PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

2720 AND 2808 W WASHINGTON AVENUE
YAKIMA, WASHINGTON

Project No. 1006709.020101

April 2009
Prepared For

GE Aviation
1 Neumann Way
Cincinnati, Ohio 45215

Prepared By

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YAKIMA, WASHINGTON

FOR

GE AVIATION
Cincinnati, Ohio
United States

Prepared by: _____ May 6, 2009
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PHASE I ESA OBJECTIVE:

To identify the presence or likely presence of a release of hazardous substances or petroleum products into structures, the ground, groundwater, or surface water of the property by means of a review of available environmental records, a Site visit, and interviews with Site personnel.

EXECUTIVE SUMMARY

Location Description & Adjacent Properties	• The Site is comprised of two separate buildings, one owned by GE (Main Facility at 2720 W Washington Avenue) and the other leased (Leased Facility at 2808 W Washington Avenue), in Yakima, Washington. The Main Facility is a two-story structure of approximately 90,000 square feet (sf). An additional approximately 10,000-sf outdoor storage area is located on the west side of the building. The southern half of the outdoor storage area is covered. The outdoor storage area is secured with perimeter fencing. • The Leased Facility (2808) is one level covering approximately 10,000 sf and is located across from the Main Facility on the west side of South 28th Avenue. • The Site (including both the Main Facility and Leased Facility) covers an area of approximately 15 acres and according to the City of Yakima, is zoned for light industrial use. Adjacent and to the south of the Site is the Yakima Airport. To the east of the Site is an office building with Granite Northwest identified on the exterior. To the west and north of the Leased Facility is Noland Dakoto Flying Services, Inc, comprised of sheet metal hangars and asphalt paved areas contiguous to the Yakima Airport. West Washington Avenue defines the northern boundary of the Main Facility. Wide Hollow Creek and a residential area lie beyond West Washington Avenue to the north.
Site Historical Land Use	• According to the Site contact, the site property was historically agricultural in use with a farmhouse. The Main Facility was reportedly constructed in 1968. • According to the Site contact, the Main Facility has been used for the manufacturing of aerospace parts since its construction.
Operations Summary	• The Main Facility designs, manufactures, assembles, tests, and ships hydraulic actuators for commercial and military uses. Operations include receiving of raw materials, machining, parts cleaning, painting, assembly of parts into units, testing of units, and shipping units off-site for delivery. • The Leased Facility is mainly used for repair of current and

	discontinued hydraulic actuators. High pressure testing of actuators is also conducted.
Key Findings Summary	• Hydraulic testing operations use hydraulic oil pumped from equipment on the southeastern corner of the Main Facility. Hydraulic oil is pumped through steel piping within an approximate 2-foot deep trench system just inside exterior walls and into test areas on the southeastern corner of the Main Facility. Staining was observed on the base of the trench in an accessible area where conveyance piping enters the trench system from the hydraulic oil pump equipment rooms on the south side of the Main Facility. • Staining was observed on flooring in the oil pump rooms located on the southeastern corner of the Main Facility. A sump is located in each of the two oil pump rooms (Skydrol Oil Pump Room and the Mill Oil Pump Room). According to the site contact, the sumps are approximately 3 feet deep and have an approximate capacity of 50 gallons. The sumps were inaccessible and the condition of the bottom of the sumps could not be observed; however, staining was observed on the walls of the sumps. • Degreasing operations using trichloroethylene (TCE) are conducted in the Main Facility. The TCE degreaser is located adjacent to a water evaporator system in the Main Facility. No staining was observed on surfaces near the TCE degreaser or the water evaporator system. According to Site contacts, the Main Facility used approximately 5,000 lbs of trichloroethylene (TCE) in 2008. • The facility is permitted under the Yakima Regional Clean Air Authority for a maximum of 8,000 lbs of TCE use annually and 25 tons per year of all other hazardous air pollutants (including TCE) combined. Volatile organic compound emissions must not exceed 100 tons per year. There are two sources of air emissions at the facility, a paint booth and the water evaporator system. • Site contacts indicated an underground storage tank (UST) was previously located on the western side of the Main Facility. A Site Assessment Engineering Report was submitted to the Washington Department of Ecology (DOE) and MWH requested a copy of the document for review. Site contacts provided MWH with correspondence letters describing the discovery and reporting of a minor release of heavy, petroleum-based cooling oil. No information regarding the size of release, location of tank, or closure verification from DOE was provided.

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SECTION 1.0 - SITE DESCRIPTION

1.1 SITE LOCATION AND DESCRIPTION	• This Phase I Environmental Site Assessment (ESA) was completed by MWH Americas, Inc. (MWH) on behalf of GE Aviation (GE) for the properties located at 2720 and 2808 West Washington Avenue, Yakima, Washington 98903 (the "Site"). The Site location is shown on ***Figure 1***. The Site visit for the Phase I ESA was completed on April 13, 2009 by Frank Tam and Joseph Rock of MWH. MWH personnel were accompanied by Simon Prior - Plant Manager, Don Baumbauch - Operations Manager, and Rob Case - Maintenance Supervisor. Daryl Robins, the Site EHS manager, provided additional information during the interview. • This report is based on information obtained during the site visit, an Environmental Data Resources (EDR) Radius Map Report with Geocheck® (***Appendix A***), aerial photographs obtained from EDR (***Appendix B***), topographic maps obtained from EDR (***Appendix C***), and the City Directory Abstract obtained from EDR (***Appendix D***). Historical Sanborn® Fire Insurance Maps were not available for the Site (***Appendix E***). • The Site is comprised of two separate facilities, one owned by GE (Main Facility at 2720 W Washington Ave) and the other leased from Noland Dakoto (Leased Facility at 2808 W Washington Ave). The Main Facility is a two-story structure covering approximately 90,000 square feet (sf). An additional approximately 10,000-sf outdoor storage area is located on the west side of the building. The southern half of the outdoor storage area is covered. The outdoor storage area is secured with perimeter fencing. The Main Facility includes an approximate 1-acre grassy landscaped area on the north side of the building. • The Leased Facility consists of one floor on the ground level covering approximately 10,000 sf. • The Site (including both facilities) covers an area of approximately 15 acres. Both facilities are surrounded by asphalt paved parking areas and access roads. Adjacent and to the south of the Site is the Yakima Airport. To the east of the Site is an office building with Granite Northwest identified on the exterior. To the west is Nolan Dakoto Flying Services, Inc, comprised of small hangars and asphalt paved areas contiguous to the Yakima Airport. West Washington Avenue defines the northern boundary of the Main Facility. Wide Hollow Creek and a residential area lie beyond West

	Washington Avenue to the north. Site features are shown on ***Figures 2 and 3***. • The following utilities are provided to the Site: • Water – City of Yakima • Sewer – City of Yakima • Electric – Pacifc Power • Natural Gas – Cascade Natural • Waste – Yakima Waste Systems, Inc. • Entrance to both the Main Facility and Leased Facility is from West Washington Avenue to South 28th Avenue.
1.2 CURRENT SITE OPERATIONS ACTIVITIES SUMMARY AND PERMITS	• The Main Facility designs, manufactures, assembles, tests, and ships hydraulic actuators for commercial and military uses. Operations include receiving of raw materials, machining, parts cleaning, painting, assembly of parts into units, testing of units, and shipping units off-site for delivery. • Operations at the Leased Facility consist of repair of current and discontinued hydraulic actuators. High pressure testing of actuators is also conducted in the Leased Facility.
1.3 SITE HISTORICAL LAND USE	• According to the Site contacts, the Site was historically agricultural in use and a farmhouse was located on the Site, north of the Main Facility in the present day grassy landscaped area. The farmhouse was not visible on historical aerial photographs of the Site; however, a structure is identified on historical topographic maps in the location identified by Site contacts as the location of the historical farmhouse. According to information obtained from the Yakima County Assessor, the Main Facility was reportedly constructed in 1968. • According to the site contact, the Main Facility has been used for the manufacturing of aerospace parts including hydraulic actuators, since its construction. • EDR provided a review of historical city directory listings for the Site (***Appendix D***). The Main Facility was first identified in the 1988 Polk City Directory as Dowty Decoto Inc. (hydraulic components). Dowty Aerospace Yakima was identified at the Site in the 1993 and 1998 city directories and Smiths Aerospace was identified in the 2003 and 2008 city directories. No information was identified in the city directory search for the Leased Facility.
1.3.1 AERIAL PHOTOGRAPH SUMMARIES	• EDR provided historical aerial photographs for the Site for the years 1971, 1981, 1990, 1996, and 2006 (***Appendix B***). A discussion on the review of the available aerial photographs for the area of the Site is presented below:

	• **1971** – Both the Main Facility and Leased Facility are visible. The areas immediately north and south of the Main Facility appear to be unpaved. The property adjacent and to the east appears to be undeveloped. The Yakima Airport is visible immediately to the south of the Site. Wide Hollow Creek is visible to the north of the Site. • **1981** – The aerial photograph is of poor quality. Site and surrounding features cannot be distinguished. • **1990** – Areas immediately north, south, and east of the Main Facility appear to be paved for vehicle parking. The Main Facility appears to have undergone an expansion on the east and west sides of the building. A structure is visible on the adjacent property to the east. The Yakima Airport is visible immediately to the south of the Site. Wide Hollow Creek is visible to the north of the Site. • **1996** – There appears to be an irrigated landscaped area north of the parking lot on the north side of the Main Facility. An expansion to the northeast side of the Main Facility is visible. Adjacent properties appear unchanged from the 1990 aerial photograph. • **2006** – The Site appears unchanged from the 1996 aerial photograph.
1.3.2 TOPOGRAPHIC MAP SUMMARIES	• MWH obtained available historical United States Geologic Survey (USGS) topographic maps for the years 1901, 1958, 1974, and 1985 from EDR (***Appendix C***). A discussion on the review of available historic topographic maps for the area of the Site is presented below: • **1900** – Yakima West, WA 30-minute Series: The scale, 1:125,000 is too large to determine detail in the area of the Site. • **1958** – Yakima West, WA 7.5-minute Series: West Washington Avenue is visible to the south of the Site location adjacent to the Yakima Airport. South 28th Avenue is visible running north/south. The Leased Facility structure is visible, adjacent to South 29th Avenue. A structure is visible northeast of the Leased Facility, directly north of where the present day Main Facility is located. Several small structures are visible on properties to the east. • **1974** – Yakima West, WA 7.5-minute Series: West Washington Avenue has been rerouted around the Site to the north. The Main Facility structure is visible. A small structure is visible on the Site, north and adjacent to the Main Facility. Several structures appear on the adjacent property to the west.

	• **1985** – Yakima West, WA 7.5-minute Series: The area of the Site appears similar to the 1974 topographic map with the exception that the small structure north of the Main Facility is no longer visible. More structures are visible on the adjacent property to the west.
1.4 PREVIOUS ENVIRONMENTAL ASSESSMENTS	• A limited environmental, health, and safety (EHS) compliance assessment was performed by MWH in 2007 for GE as Project Jump. The limited EHS compliance assessment consisted of a site visit, review of an EDR report, and a review of available Site records. Documents from the GE due diligence project are presented in ***Appendix H***. The documents include an EHS Site Summary Package, an EDR Industrial Site Package report dated December 13, 2006, and an historical Phase I ESA. The Phase I ESA report was dated October 19, 2006. The Phase I ESA was performed by Environmental Resources Management, Inc. (ERM) for the Smiths Group. • The following key findings were identified in a review of the documents: • According to the historical Phase I ESA report, there is known asbestos containing material on the roof of the Main Facility. No asbestos survey was reportedly performed. The historical Phase I ESA also reported that potential use of hexavalent chromium was observed, however, quantities were unknown. TCE was reported to have been used at the Site since at least 1981. No historical releases were identified. • Additionally, the historical Phase I ESA report indicated that heavy oil staining was observed in the engineering test area, outdoor equipment rinsing was observed, and concrete staining was observed in the dye penetrant area. • The Site has a permit for air emissions. The Site is permitted for 8,000 lbs of TCE use per year under the Yakima Regional Clean Air Authority (YRCAA). No information pertaining to historical air emission quantities was reported. • Nine notices of violations were reported for the Site in an EDR Radius Map Report beginning in 2002 from the Washington Department of Ecology (DOE). • In addition to the limited EHS compliance assessment, an investigation was performed in the north lawn of the Main Facility. According to Site contacts, a pipe protruding from the ground surface in the north lawn north of the Main Facility was removed by contractors in approximately 2002. The pipe was reportedly located near a farmhouse previously on the property. Reportedly, the pipe was 3 inches in diameter by 4 feet in length. An excavation approximately 10 feet across and

	9 feet deep revealed no tanks or subsurface structures associated with the pipe. According to Site contacts, no records exist documenting removal of the pipe.
1.5 ADJOINING AND SURROUNDING PROPERTIES	• Developed properties near the Site consist primarily of airline operations and commercial business offices. • **North**: The Site is bounded to the north by West Washington Avenue. Wide Hollow Creek, a tributary to the Yakima River, runs adjacent and to the north of West Washington Avenue, approximately 1/8 mile north of the Site. Residential properties lie beyond Wide Hollow Creek (1/4 mile from Site). • **East**: Granite Northwest occupies a commercial building approximately 1/8 mile east of the Site. Beyond lies the Yakima Airport terminal and McCllure Elementary School. • **South**: A chain-linked fence separates the Site from Yakima Airport. • **West**: South 28th Avenue separates the Main Facility from the Leased Facility. Two other tenants occupy space within a building adjoining the Leased Facility; Accurate Metallurgical, Inc., and Solar Graphics, Inc. A city directory search of Acurate Metallurgical identifies the business as manufacturing cold-rolled steel shapes including sheets, strips, and bars. Solar Graphics, Inc is a graphics design firm which conducts printing operations for pre-formed and machined parts, apparel, vinyl, and screen printing. To the west and north of the Leased Facility is Noland Dakoto Flying Services, Inc., a charter aircraft company.

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SECTION 2.0 - REGULATORY AGENCY RECORDS REVIEW	
2.1 ENVIRONMENTAL DATABASES	• A database search was obtained from EDR (***Appendix A***). The EDR Radius Map with GeoCheck®, dated April 14, 2009, was obtained from the EDR search. This report presents the results of databases searched for environmental regulatory agency records.
2.1.1 TARGET SITE RECORDS DATA	• The Site was identified in environmental databases under two separate names; Dowtry Aerospace Yakima and GE Aviation, LLC Yakima. • The environmental database that identified Dowtry Aerospace Yakima was not reported by EDR; however, a US Environmental Protection Agency (EPA) ID of WAD009266511 was associated with the Site. Dowtry Aerospace Yakima was identified as having a waste category consisting of off-speciation, aged, or surplus organics. Waste volumes of 0.44 tons and 0.22 tons were recorded for the Site. No further information was reported by EDR for Dowtry Aerospace Yakima. • GE Aviation, LLC Yakima was identified in the following databases: • Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG) in 2008. The Site was identified as a SQG in 2003, and 2005. The Site was identified as a Large Quantity Generator (LQG) from 1990 to 2002. Currently the Site is listed as a Medium Quantity Generator (MQG). • Ten notices of violations (NOVs) were reported for the facility. All were written informal notices. The first was reported in 1984 with the most recent reported in February 2008. The 2008 NOV was a pre-transport issue and the case was closed in March 2008. No further information was provided regarding the violations. • The Site was identified in the Confirmed and Suspected Contaminated Sites List (CSCSL) database. The CSCSL identifies properties potentially planned for cleanup. EDR reported that the Site entered onto the list in May, 2008. The Site was reported as having suspect affected groundwater. No further information was reported by EDR or from Site contacts regarding the identification of the Site in the CSCSL database. • The Site was identified in the EPA Facility Index/Facility Registry System (FINDS). No information was reported by EDR or obtained by a search of the EPA FINDS database. • The Site was identified in a Hazardous Waste Manifest database maintained by the Department of Natural Resources.

	No further information beyond property ownership and Site contact information was provided.
2.1.2 OFFSITE RECORDS DATA	• Surrounding or adjoining properties identified by the EDR database search are either considered *plotted* sites (those that could be located by a given address and are identified on the EDR Report Overview Map) or *orphan* sites (sites with insufficient address information such that they can only be identified within the zip code, city, or county of the Site). The proximity of the plotted and orphan sites to the Site, along with the geologic characteristics of the area, could have implications relative to potential environmental impacts at the Site. • The EDR search located 14 *orphan* sites, as listed in the attached EDR Radius Map report (***Appendix A***). Based on the databases listed and the distance from the Site, the orphan sites were not considered to be of environmental concern with respect to the Site. • The EDR Radius Map report listed 28 plotted sites within a 1-mile radius of the Site. These sites are identified as follows: • One Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) No Further Remedial Action Planned (NFRAP) site • Two Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG) sites • One site on the Hazardous Site List (HSL - equivalent to a National Priority List [NPL] site) • Nine CSCSL sites • Four leaking underground storage tank (LUST) sites • Seven underground storage tank (UST) sites • One UST on Indian land • One Voluntary Cleanup Program (VCP) site • Six sites in the Independent Cleanup Report (ICR) database • Three Brownfields sites • Two CSCSL No Further Action (NFA) sites • Three RCRA-Non Generator sites • One site listed on a manifest database maintained by the Department of Natural Resources • The following properties were identified in the EDR report as reporting releases or impacts on nearby properties (located within 1/8 mile) and properties within 1/4 mile that are located upgradient (i.e. southeast) of the Site: • Noland Decoto Flying Services, Inc. located adjacent and to

	the west of the Leased Facility at an elevation reported by EDR as being higher than the Site. A confirmed release of petroleum products was reported for the property in 1999 affecting soil and groundwater. A steel UST of unknown capacity was installed in 1964 and reportedly removed in 1996. A groundwater sampling report was reported for January 2001. No further indication of the cleanup status was reported by EDR. A search of the DOE Facility/Site database identifying cleanup sites in Washington identifies the site as an active LUST cleanup site. • Graham Equipment is located less than ¼ mile west of the Site at an elevation reported by EDR as being higher than the Site. A confirmed release of petroleum products was reported for the property in affecting soil and groundwater. A single walled steel UST with a reported maximum capacity of 1,100 gallons was installed in 1964 and reportedly removed in 1996. A search of the DOE Facility/Site database identifying cleanup sites in Washington identifies the site as an inactive LUST cleanup site.
2.2 SITE PHYSICAL SETTING - GEOLOGY AND HYDROGEOLOGY	• **Topography**: Based on information obtained from the EDR report, the Site is located approximately 1,074 feet above mean sea level. The topography of the Site is relatively flat and the immediate area slopes gently from the northwest to the southeast. • **Site Geology**: As reported by EDR, the dominant soil type located in the general area of the Site consists mainly of fine-grained soils. The soil type is loamy sand to at least 6 feet below ground surface (bgs). The soil drainage class is defined as somewhat poorly drained. • **Groundwater**: A federal United States Geological Survey (USGS) well was identified by EDR at a location less than ¼ miles west of the Site at an elevation higher than the Site. A groundwater elevation was recorded in the well in 1984 at 6 feet bgs. A federal USGS well identified at a location less than ¼ mile northwest of the Site at a higher elevation reported a depth to groundwater of 32 feet (bgs) in 1988. • **Surface Water**: The nearest surface water body is Wide Hollow Creek, approximately 1/8 mile north of the Site. • **Wetlands:** No obvious signs of wetlands were observed on the Site during the site visit. • **Flood Zone**: No information was reported by EDR regarding FEMA flood zones. A search of the Yakima County tax assessor database indicated the Site is not located within a flood way or flood plain; however, an area approximately 1/8

	mile north of the Site along Wide Hollow Creek is identified as a flood way.
2.3 WATER SUPPLY WELL SEARCH	• The EDR report indicated that no water supply wells were identified in the federal or state databases within a 1-mile radius of the Site. Sixty-eight federal USGS wells were identified within 1-mile of the Site.
2.4 SUMMARY OF ENVIRONMENTAL IMPACTS IDENTIFIED BY RECORDS REVIEW	**Target Site:** • No environmental impacts were identified for the Site in the state and federal databases searched by EDR. **Surrounding Sites**: • Noland Decoto Flying Services, Inc. located adjacent and to the west of the Leased Facility at an elevation reported by EDR as being higher than the Site. A confirmed release of petroleum products was reported for the property in 1999 affecting soil and groundwater. A steel UST of unknown capacity was installed in 1964 and reportedly removed in 1996. A groundwater sampling report was reported for January 2001. No further indication of the cleanup status was reported by EDR. A search of the DOE Facility/Site database identifying cleanup sites in Washington identifies the site as an active LUST cleanup site. • Graham Equipment is located less than ¼ mile west of the Site at an elevation reported by EDR as being higher than the Site. A confirmed release of petroleum products was reported for the property affecting soil and groundwater. A single-walled steel UST with a reported maximum capacity of 1,100 gallons was installed in 1964 and reportedly removed in 1996. A search of the DOE Facility/Site database identifying cleanup sites in Washington identifies the site as an inactive LUST cleanup site.

SECTION 3.0 - OBSERVATIONS AND FINDINGS

3.1 BUILDINGS

- MWH completed a Site reconnaissance on April 13, 2009. Photographs taken during the Site reconnaissance are provided in ***Appendix F***. ***Figures 2 and 3*** provide a photograph location maps for the Main Facility and the Leased Facility respectively.
- The Main Facility is a two-story 90,000-sf building with a slab on grade foundation. The ground level is approximately 70,000 sf and all manufacturing operations are conducted on the ground level. Engineering offices are located on the second story. Interior walls are constructed of brick masonry. Loading docks with roll up doors are located on the southwest side of the building. A trench system, approximately 2 feet deep and covered by wood and metal plating, contains steel piping used for hydraulic oil distribution. The trench system is located on the southeastern corner of the building (***Figure 2***).
- An approximately 10,000-sf outdoor storage area is located on the west side of the building. The southern half of the outdoor storage area is covered. The outdoor storage area is secured with perimeter fencing. A stainless steel lined trench system installed in 2009 is located beneath the covered area. Wastewater collected in the trench system is pumped from a sump in the trench through below ground piping into the building and through aboveground piping to a water evaporator system. No staining was observed in the trench system.
- The Leased Facility consists of an approximate 10,000-sf single-story slab on grade building. Interior walls are constructed of brick masonry. A roll up door (not in use) is located on the north side of the building. No appurtances are associated with the Leased Facility.
- The concrete slab flooring in the facilities are not coated. There were no visible cracks or staining observed on the floors with exception to staining observed on flooring in the oil pump rooms located on the southeastern corner of the Main Facility.
- A sump is located in each of the two oil pump rooms (Skydrol Oil Pump Room and the Mill Oil Pump Room). According to the Site contact, the sumps are approximately 3 feet deep and have an approximate capacity of 50 gallons. The sumps were inaccessible and the condition of the bottom of the sumps could not be observed; however, staining was observed on the walls of the sumps. Pumping equipment in the oil pump rooms is located on 120-gallon stainless steel day tanks for

	secondary containment. No cracks were observed in the secondary containment systems. • Several areas were observed where the concrete floor in the Main Facility had been penetrated with attachment bolts, possibly for former equipment. The penetration points had been sealed. • Staining was observed at the base of the trench system located in the southeastern corner of the Main Facility. Access to the trench system was limited and visual observations were confined to the hydraulic oil conveyance piping entrance point in the Skydrol Pump Room (***Figure 2 and Appendix F***).
3.2 PERMITS AND LEASE CONDITIONS	• **Permits:** The Site is currently listed as a RCRA-MQG with an EPA number of WAD009266511. Additionally, the Site is permitted under the YRCAA for a maximum of 8,000 lbs of trichloroethylene (TCE) use annually. According to the air emissions permit, all other hazardous air pollutants, including TCE, must not exceed 25 tons per year. VOC emissions must not exceed 100 tons per year. Daily and monthly emission records must be submitted to YRCAA in a quarterly report and quantities of TCE, paint, and solvents used must be reported annually. A copy of the permit is included in ***Appendix H***. Site contacts indicated that approximately 5,000 lbs of TCE was used in 2008. • **Lease:** According to the site contacts, the Leased Facility is leased from Noland Dakoto. The lease expired in June, 2007; however, the Site continues to pay rent on a month to month basis based on an informal agreement with Noland Dakoto.
3.3 PROPERTY AND ENVIRONMENTAL IMPACT EVIDENCE	• No visible evidence of environmental impact was observed during the site visit inside the building, or outside on the surrounding property. • No evidence of landfilling, lagoons, stressed vegetation, or pits was observed on Site. • No floor drains were observed in either of the buildings; however, two floor drains are visible on plumbing diagrams provided for review for the Main Facility. The floor drains appear to be located just north of the present day stockroom. The plumbing diagrams are included in the Site records provided as ***Appendix H***. According to the SPCC plan for the Site, no floor drains connect to any catch basins or the sanitary sewer from either of the facilities. • According to the SPCC plan, a spill of approximately 13 gallons of Skydrol (hydraulic fluid) through a window panel was reported in the spring of 1998. The SPCC plan indicated

	that the material was immediately removed from the soil surface and all stain soil was removed. The Yakima County Emergency Reponse Authority was notified and provided consultation on cleanup and disposal of the impacted soil. The Washington State Department of Ecology required no further action. • The SPCC plan also indicated that a leak was discovered in underground piping associated with an underground containment sump in the outdoor storage area in November 2007. Reportedly, the underground containment sump collected water from outdoor catch basins in the outdoor storage area and pumped to the water evaporator system through underground piping. No further information regarding the leak was reported. During MWH's site reconnaissance, a stainless steel lined trench system, newly installed in 2009, was observed in the outdoor storage area. The trench system is sloped down gradient to a sump pump within the trench that pumps collected fluids underground to the water evaporator.
3.4 WATER USES AND DISCHARGES	• **Wastewater:** Sanitary wastewater at both facilities is discharged to the City of Yakima municipal sewer system via piping from the buildings to a sewer main within South 28th Avenue. According to the site contacts there are no industrial wastewater discharges from the facilities. • **Stormwater:** There were no visible stormwater drains, or basins, located within the Site boundary. According to a Site contact, the facility is not required to maintain a stormwater pollution prevention plan.
3.5 WATER WELLS	• A water well is located on the northwest corner of the Main Facility. According to the Site contact, the water well is used as an irrigation supply well for the landscaped areas of the Main Facility. No construction information was available for the well. • A water well was observed in a room in the northern portion of the Leased Facility. The Site contacts had no information pertaining to the construction or purpose of the well. No record of the well was identified in the EDR report. No staining was observed on the concrete surfaces near the well. • A search of the Washington Department of Ecology water well database indicated that an irrigation water well was installed at 2801 W Washington Avenue in 1986. The well was constructed of 6-inch steel casing with a total depth of 160 feet bgs. Static depth to water was reported at 12 feet bgs. The well log indicates the subsurface consisted primarily of sand and gravel. A 3-horse power submersible pump was installed,

	providing 100 gallons of water per minute. A copy of the well log is included in ***Appendix H***. No information could be obtained to verify if this well is associated with the irrigation well located on the north side of the Main Facility or associated with the water supply well in the Leased Facility.
3.6 WATER SUPPLY	• Potable water is supplied to the Site from the City of Yakima.
3.7 GROUNDWATER MONITORING	• No groundwater monitoring wells were observed on the Site.
3.8 AIR EMISSIONS	• No impacts to the Site associated with air emissions were observed during the Site visit. No unusual odors were noticed during the Site reconnaissance. • There are two air emission sources at the Site; a water evaporator and a paint booth. The facility is permitted under the YRCAA for a maximum of 8,000 lbs of trichloroethylene (TCE) use annually. All other hazardous air pollutants, including TCE, must not exceed 25 tons per year. VOC emissions must not exceed 100 tons per year. Daily and monthly emission records must be submitted to YRCAA in a quarterly report and quantities of TCE, paint, and other solvents used must be reported annually. According to the Site contact, the Site used approximately 5,000 lbs of TCE in 2008.
3.9 CHEMICAL MANAGEMENT	• Chemicals used in manufacturing operations at the Site include oils, coolants, solvents, paints, and primers. An inventory of chemicals currently in use at the facility during an inventory audit conducted in January 2009 was provided for review. The chemical inventory is provided in ***Appendix H***. Copies of MSDSs for all chemicals are maintained by the Site EHS manager. • Manufacturing equipment and oil pumping equipment in the Main Facility and Leased Facility that utilize fluids are closed-loop systems on secondary containment. No staining was observed on flooring surrounding the manufacturing equipment. • According to Site contacts, the Main Facility used approximately 5,000 lbs of trichloroethylene (TCE) in 2008. Degreasing operations using TCE are conducted at one location, adjacent to the water evaporator in the Main Facility. The facility is permitted under the YRCAA for a maximum of 8,000 lbs of TCE use annually and 25 tons per year of all other hazardous air pollutants (including TCE). VOC emissions must not exceed 100 tons per year. • No information was provided by the Site contact identifying when the TCE degreaser and the water evaporator were put

	into operation.
3.10 STORAGE AND HANDLING OF MATERIALS	• Raw materials are brought into the facility at the loading docks on the southwestern corner of the Main Facility. Materials are stored in the stockroom on the central eastern portion of the Main Facility. • Chemicals are stored at various locations in the Main Facility. New bulk product (55-gallon drums) is stored in the uncovered portion of the outdoor storage area on the west side of the building. No staining was observed in the area. Bulk drums of hydraulic oil are also stored in the oil pump rooms on the southeastern corner of the building. Various oils were also stored in individual containers on a storage rack on the west wall of the Main Facility. The storage rack contained 16 61-gallon containers. The storage rack was over a stainless steel secondary containment system. No staining was observed on the flooring in this area. • The Site maintains a spill prevention control and countermeasures plan (SPCC) as well as a contingency plan. A copy of the SPCC was provided for review and was updated in 2008. The SPCC is provided in ***Appendix H***. • According to the SPCC there are three coolant oil reservoirs contained within floor sumps in the Main Facility. The reservoirs have a capacity of 300, 700, and 1,200 gallons. These reservoirs were not observed during the site reconnaissance. • Paints and primers used in painting operations are stored in flammables cabinets in the paint booth room. Flammable chemicals are also stored in various flammables cabinets throughout the first floor of the Main Facility. Painting operations appeared to be confined to the paint booth and overspray was not observed. No staining was observed near the flammables cabinets. • A fixed bulk tank containing liquid nitrogen was observed in the outdoor storage area. Liquid nitrogen is transferred to smaller portable tanks and brought into the facility for use. No staining was observed on surfaces near the tank. • Drums of hydraulic oil were observed on secondary containment near hydraulic test equipment in the Leased Facility. A small closed-loop parts washer was observed near the central area of the building. According to the SPCC, approximately 300 gallons of hydraulic oil is associated with oil-filled equipment in the Leased Building. No other chemicals were observed in the Leased Building and no staining was observed on flooring around the identified

	chemical use areas. • Site contacts indicated an underground storage tank (UST) was previously located on the western side of the Main Facility. A Site Assessment Engineering Report was submitted to the Washington Department of Ecology (DOE) and MWH requested a copy of the document for review. Site contacts provided MWH with correspondence letters describing the discovery and reporting of a minor release of heavy, petroleum-based cooling oil from the former UST. No information regarding the size of release, location of tank, or closure verification from DOE was provided. The Site Assessment Engineering Report was also not provided. The correspondence letters are included in ***Appendix H***.
3.11 WASTE MANAGEMENT	• Hazardous waste is accumulated at satellite accumulation areas staged throughout the Main Facility and the Leased Facility and at the TCE degreaser in the Main Facility. Hazardous waste is staged for off-site transport at the hazardous waste storage area located under cover in the outdoor storage area. The hazardous waste storage area is surrounded by a 6-inch concrete berm. Containers are stored within the bermed area on spill containment pallets. No staining was observed on the concrete surfaces or within the spill containment pallets. Emerald Services is the contracted hazardous waste vendor for the Site. Approximately 6,005 lbs and 4,245 lbs of hazardous waste was generated at the Site in 2007 and 2008 respectively. A copy of the 2007 and 2008 Dangerous Waste Site Identification Forms (Annual Hazardous Waste Reports) are included in ***Appendix H***. • There are three mop water/wastewater dump stations located in the Main Facility. Wastewater collected at these locations as well as the lined trench system in the outdoor storage area, is pumped through aboveground piping to a water evaporator system. No staining was observed on the concrete flooring in the area of the wastewater dump stations or the water evaporator. No information was provided by Site contacts identifying when the water evaporator system was put into operation or what the mop water management consisted of prior to use of the water evaporator. • No staining was observed on flooring near the TCE degreaser. • Scrap metal is collected in two large roll-off dumpsters located in the outdoor storage area. High-grade stainless steel is collected in a dumpster underneath the covered portion of the outdoor storage area. Lower-grade stainless steel is collected in a dumpster in the uncovered portion of the outdoor storage area. Both dumpsters had stainless steel secondary

	containment pains beneath drain piping at the base of the dumpsters. No staining was observed on the concrete surfaces near the dumpsters.
3.12 INDOOR AIR AND INDUSTRIAL HYGIENE	• There was no visible vapor, mist, or dusts observed in the buildings during the Site reconnaissance.
3.13 ASBESTOS - BUILDING MATERIAL AND PROCESS USE	• An asbestos survey was not performed as part of this Phase I ESA. • A formal ACM and Lead Based Paint (LBP) survey was performed at the Main Facility by Landau Associates in July 2007. A copy of the ACM/LBP survey results was provided for review and is presented in ***Appendix H***. Results of the ACM survey indicated that out of 60 samples of suspect ACM collected, three types of ACM were detected, all from the lunchroom at the Main Facility. The ACM consisted of floor tile and a compacted powdery material present behind molding. Results of the LBP survey indicated that none of the 22 samples analyzed were above an abatement level of 1.0 milligrams per centimeter squared.
3.14 PCBS	• A pad mounted electrical transformer was observed on the northwestern corner of the Main Facility. No labels indicating PCB content were observed on the transformer. No cracking or staining was observed on surfaces surrounding the transformer. No information was obtained regarding the ownership of the transformer. • Two sets of pole-mounted transformers were observed near the northeastern corner of the Leased Facility. The pole-mounted transformers are owned and maintained by Pacific Power, the electrical service provider to the Site. No labels were observed on the transformers indicating PCB content. No cracking or staining was observed on the transformers. • According to the Site contacts, no official PCB surveys have been performed at the Site. Reportedly, PCB containing items were identified by an internal survey conducted by the plant maintenance team but a report documenting the survey was not provided. No further information was provided regarding the PCB containing items or the methods used once identified.

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SECTION 4.0 - LIMITATIONS AND EXCEPTIONS

MWH completed this Phase I ESA in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. Information provided to MWH was accepted in good faith and was assumed to be accurate unless written documentation or visual observations presented contradictions to this assumption.

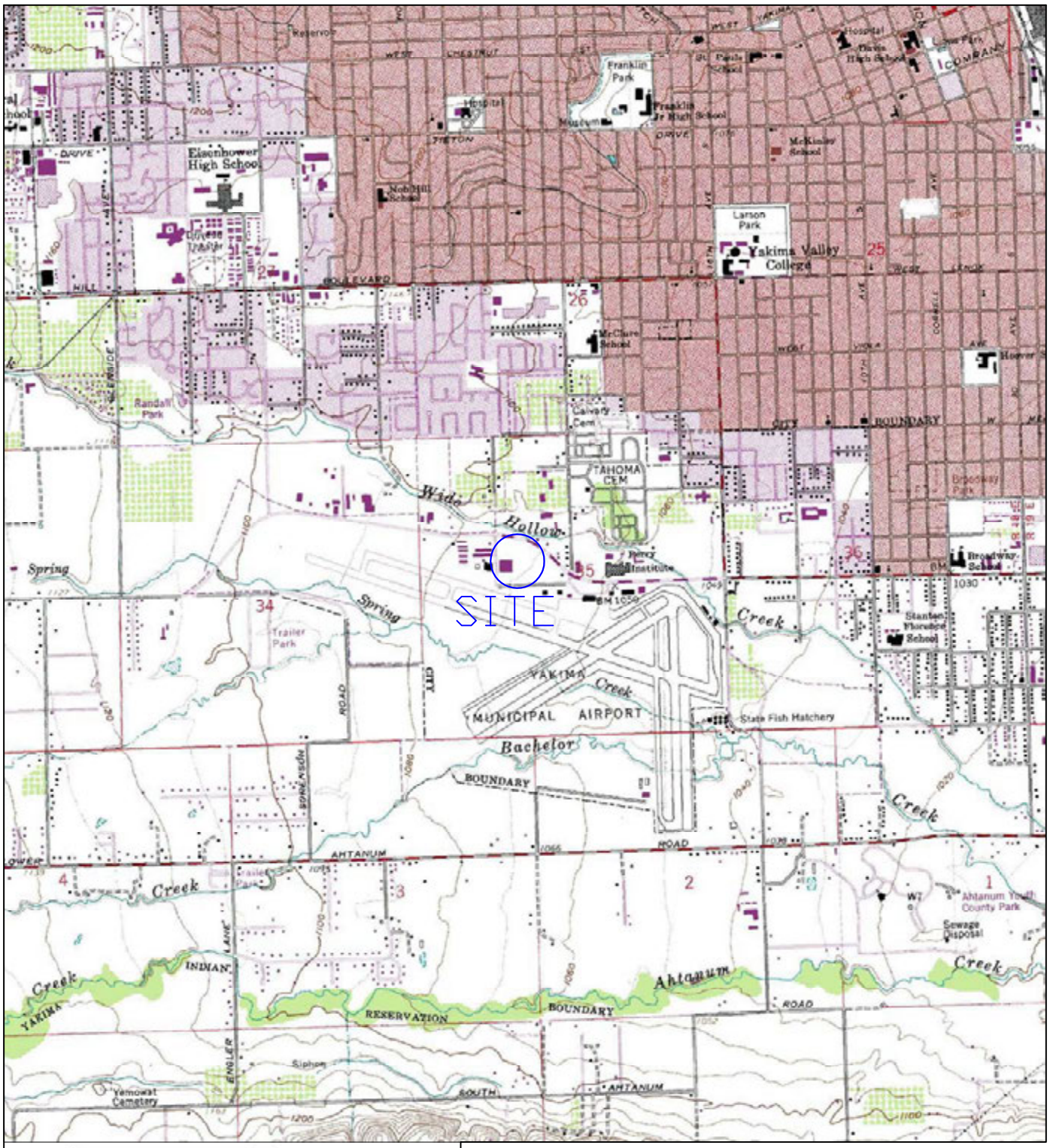
A site walk, by nature, is limited in its ability to fully assess potential environment liabilities associated with a property. Further investigation would be required to identify potential environmental liabilities that may be present at the Site. National and local laws and regulations, if referenced in this report, are provided for informational purposes and should not be construed as legal opinion or recommendation.

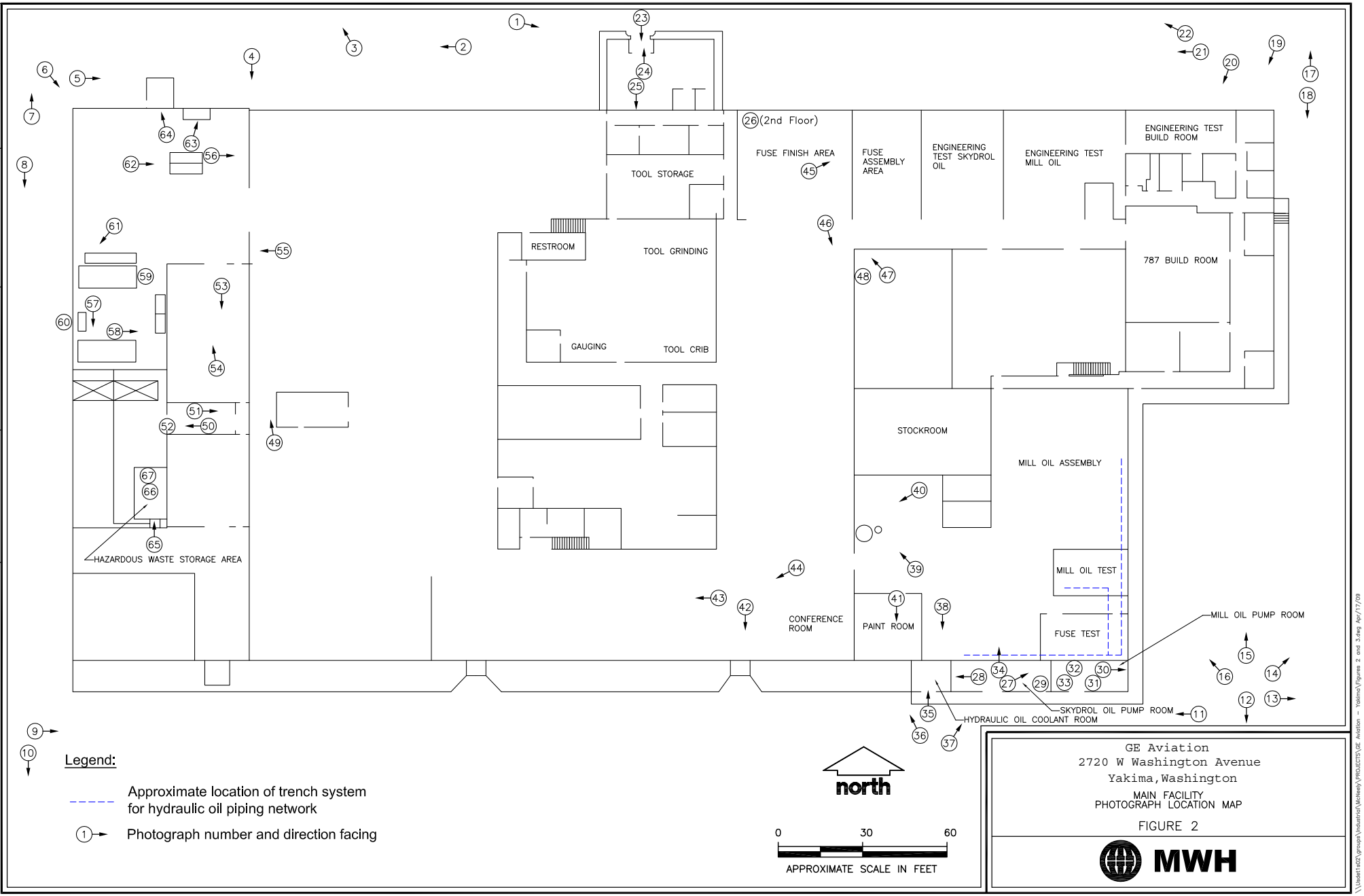
The information contained in this report reflects MWH's professional judgment based on the above limitations, and is subject to the information reasonably available at the time of report preparation. MWH's findings are based the data collected at one point in time and the conditions at the time of the site visit. A change in any of these factors may alter the findings and conclusions expressed by MWH.

This report is solely for the use and information of our client, GE Aviation. Use of this report by any third party is expressly prohibited without written approval from both GE Aviation and MWH Americas, Inc. Any third party may necessarily have different interests, purposes, and motives than GE Aviation with regard to this assessment and report. Any third party use of the report, or any reliance on or decisions made on the basis on the report will be the responsibility of such third party. MWH will accept no responsibility for damages, if any, suffered by a third party as a result of decisions made or actions taken based on the report.

FIGURES

Drawn By & Date: DTM 4/16/09 | Approved By & Date: | Revised By & Date: | Approved By & Date:





Legend:

Approximate location of trench system for hydraulic oil piping network

(1) Photograph number and direction facing

GE Aviation
2720 W Washington Avenue
Yakima, Washington

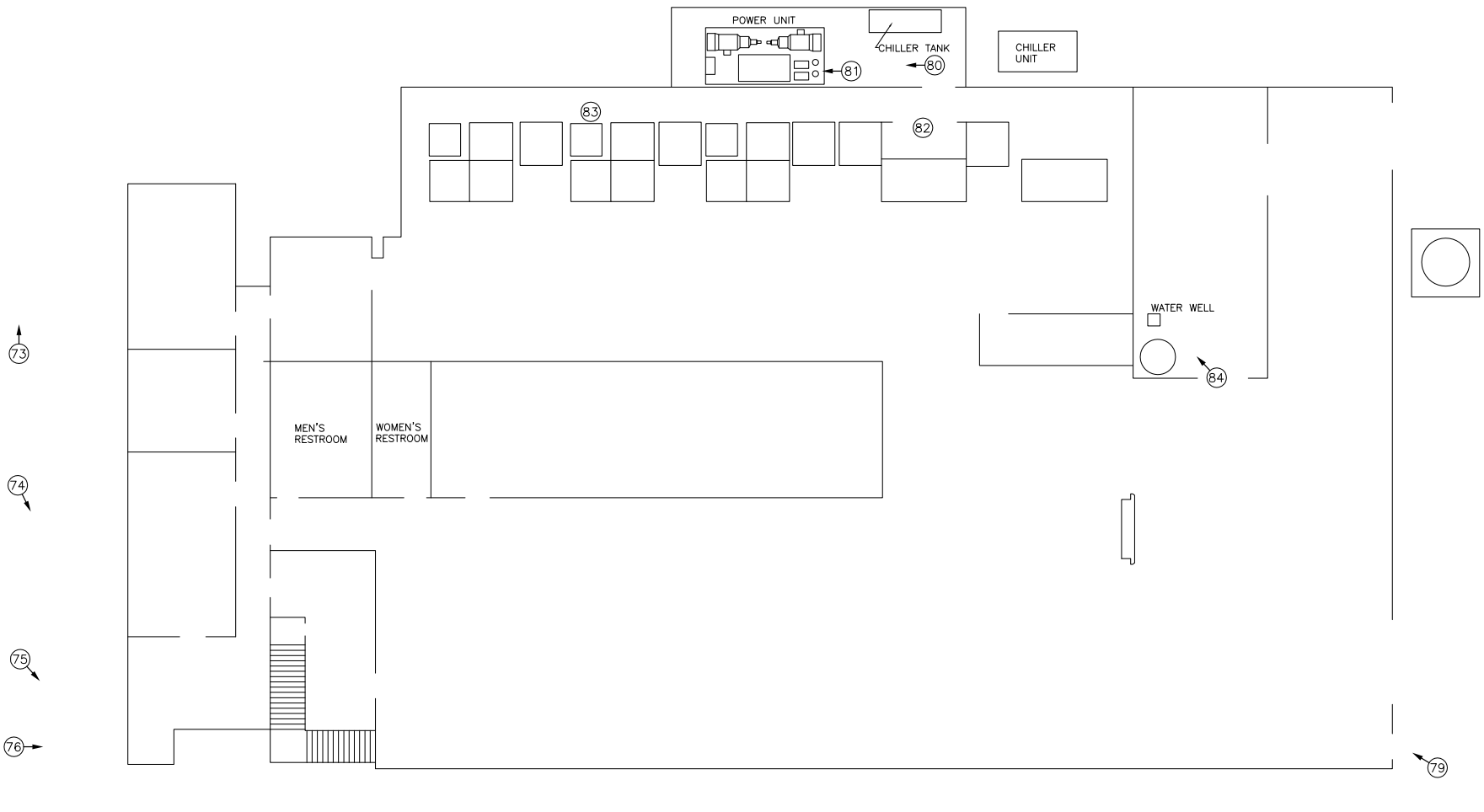
MAIN FACILITY
PHOTOGRAPH LOCATION MAP

FIGURE 2

MWH

Drawn By & Date: DTM 4/16/09 | Approved By & Date: | Revised By & Date: DTM 04/17/09 | Approved By & Date:

\\Global1\kt2\groups\Industrial\McNeely\PROJECTS\GE Aviation - Yakima\Figures 2 and 3.dwg Apr/17/09



Legend:

(1)→ Photograph number and direction facing

north

0 20 40

APPROXIMATE SCALE IN FEET

GE Aviation
2808 W Washington Avenue
Yakima, Washington

LEASED FACILITY
PHOTOGRAPH LOCATION MAP

FIGURE 3

MWH

Drawn By & Date: DTM 4/16/09 | Approved By & Date: | Revised By & Date: | 04/17/09 | Approved By & Date:

\\Global1\401\groups\Industrial\McNeely\PROJECTS\GE Aviation - Yakima\Figures 2 and 3.dwg Apr/17/09

APPENDIX A

EDR Radius Map with Geocheck®

2720 W. Washington Ave.
2720 W. Washington Ave.
Yakima, WA 98902

Inquiry Number: 2466396.2s
April 14, 2009

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Government Records Searched/Data Currency Tracking	GR-1

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2720 W. WASHINGTON AVE.
YAKIMA, WA 98902

COORDINATES

Latitude (North):	46.573100 - 46° 34' 23.2''
Longitude (West):	120.544800 - 120° 32' 41.3''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	688142.2
UTM Y (Meters):	5160436.0
Elevation:	1074 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	46120-E5 YAKIMA WEST, WA
Most Recent Revision:	1985

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2006
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DOWTY AEROSPACE YAKIMA 2720 W WASHINGTON AVE YAKIMA, WA 98903	HAZNET	N/A
GE AVIATION LLC YAKIMA 2720 W WASHINGTON AVE YAKIMA, WA 98903	RCRA-SQG CSCSL FINDS MANIFEST	WAD009266511

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Transporters, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Facility Database

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST ---------- Aboveground Storage Tank Locations

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

INST CONTROL ---------- Institutional Control Site List

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
SWTIRE ---------- Solid Waste Tire Facilities
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---------- Clandestine Drug Labs
CDL ---------- Clandestine Drug Lab Contaminated Site List
HIST CDL ---------- List of Sites Contaminated by Clandestine Drug Labs

Local Land Records

LIENS 2 ---------- CERCLA Lien Information
LUCIS ---------- Land Use Control Information System

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
SPILLS ---------- Reported Spills

Other Ascertainable Records

DOT OPS ---------- Incident and Accident Data
DOD ---------- Department of Defense Sites
FUDS ---------- Formerly Used Defense Sites
CONSENT ---------- Superfund (CERCLA) Consent Decrees
ROD ---------- Records Of Decision
UMTRA ---------- Uranium Mill Tailings Sites
MINES ---------- Mines Master Index File
TRIS ---------- Toxic Chemical Release Inventory System
TSCA ---------- Toxic Substances Control Act
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ---------- Section 7 Tracking Systems
ICIS ---------- Integrated Compliance Information System

PADS PCB Activity Database System
MLTS Material Licensing Tracking System
RADINFO Radiation Information Database
RAATS RCRA Administrative Action Tracking System
DRYCLEANERS Drycleaner List
NPDES Water Quality Permit System Data
AIRS Washington Emissions Data System
Inactive Drycleaners Inactive Drycleaners
INDIAN RESERV Indian Reservations
SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/03/2007 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IRWIN RESEARCH & DEVELOPMENT	***1702 S 24TH AV***	***NE 1/8 - 1/4 (0.141 mi.)***	***8***	***33***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 11/12/2008 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOLAR GRAPHICS INC	***2804 W WASHINGTON STE 4***	***WNW 0 - 1/8 (0.071 mi.)***	***B5***	***22***
IRWIN RESEARCH & DEVELOPMENT	***1702 S 24TH AV***	***NE 1/8 - 1/4 (0.141 mi.)***	***8***	***33***

State- and tribal - equivalent NPL

HSL: The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

A review of the HSL list, as provided by EDR, and dated 08/20/2008 has revealed that there is 1 HSL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NOLAND DECOTO FLYING SER INC	***2809 W WASHINGTON***	***WNW 0 - 1/8 (0.074 mi.)***	***B6***	***26***

State- and tribal - equivalent CERCLIS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 02/10/2009 has revealed that there are 9 CSCSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NOLAND DECOTO FLYING SER INC	***2809 W WASHINGTON***	***WNW 0 - 1/8 (0.074 mi.)***	***B6***	***26***
KISSEL PARK	***32ND AVE & MEAD AVE***	***NW 1/4 - 1/2 (0.476 mi.)***	***24***	***85***
TIGER OIL 24TH AVE & W NOB HIL	2312 W NOB HILL BLVD	NNE 1/2 - 1 (0.881 mi.)	26	88
SAFEWAY FUEL CENTER 1235	***2204 W NOB HILL BLVD***	***NNE 1/2 - 1 (0.901 mi.)***	***27***	***92***

Lower Elevation	Address	Direction / Distance	Map ID	Page
YAKIMA AIR TERMINAL	***2400 W WASHINGTON AVE***	***SE 1/8 - 1/4 (0.227 mi.)***	***D17***	***46***
YAKIMA CITY AIRPORT	***2300 W WASHINGTON AVE***	***ESE 1/4 - 1/2 (0.289 mi.)***	***E18***	***54***
WAYNE G TURNER AIRCRAFT SERVIC	***2008 W WASHINGTON AVE***	***ESE 1/4 - 1/2 (0.446 mi.)***	***F20***	***59***
MCALLISTER FLYING SERVICE	***2000 S 16TH AVE***	***ESE 1/2 - 1 (0.754 mi.)***	***25***	***86***
RICHARDSON AIRWAYS	***YAKIMA MUNICIPAL AIRPOR***	***SE 1/2 - 1 (0.982 mi.)***	***28***	***95***

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 03/10/2009 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NOLAND DECOTO FLYING SER INC	***2809 W WASHINGTON***	***WNW 0 - 1/8 (0.074 mi.)***	***B6***	***26***

Lower Elevation	Address	Direction / Distance	Map ID	Page
YAKIMA AIR TERMINAL	***2400 W WASHINGTON AVE***	***SE 1/8 - 1/4 (0.227 mi.)***	***D17***	***46***
YAKIMA CITY AIRPORT	***2300 W WASHINGTON AVE***	***ESE 1/4 - 1/2 (0.291 mi.)***	***E19***	***56***
WAYNE G TURNER AIRCRAFT SERVIC	***2008 W WASHINGTON AVE***	***ESE 1/4 - 1/2 (0.446 mi.)***	***F20***	***59***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 03/10/2009 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FLIGHTLINE CONVENIENCE CENTER	***2805 W WASHINGTON***	***WNW 0 - 1/8 (0.071 mi.)***	***B4***	***20***
NOLAND DECOTO FLYING SER INC	***2809 W WASHINGTON***	***WNW 0 - 1/8 (0.074 mi.)***	***B6***	***26***
GRAHAM EQUIPMENT	3003 W WASHINGTON	W 1/8 - 1/4 (0.191 mi.)	C10	37
KNDO TV	1608 S 24TH AVE	ENE 1/8 - 1/4 (0.204 mi.)	11	39

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL WEATHER SERVICE	2406 W WASHINGTON AVE	SE 1/8 - 1/4 (0.220 mi.)	D12	40
YAKIMA CITY FIRE DEPARTMENT US	2404 W WASHINGTON AVE	SE 1/8 - 1/4 (0.223 mi.)	D14	41
YAKIMA AIR TERMINAL	***2400 W WASHINGTON AVE***	***SE 1/8 - 1/4 (0.227 mi.)***	***D17***	***46***

INDIAN UST: A listing of underground storage tank locations on Indian Land.

A review of the INDIAN UST list, as provided by EDR, and dated 02/19/2009 has revealed that there is 1 INDIAN UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FAA YAKIMA RCAG	2406 W. WASHINGTON AVE.	SE 1/8 - 1/4 (0.221 mi.)	D13	41

State and tribal voluntary cleanup sites

VCP: Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

A review of the VCP list, as provided by EDR, and dated 02/10/2009 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IRWIN RESEARCH & DEVELOPMENT	***1702 S 24TH AV***	***NE 1/8 - 1/4 (0.141 mi.)***	***8***	***33***

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there are 6 ICR sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NOLAND DECOTO FLYING SER INC	***2809 W WASHINGTON***	***WNW 0 - 1/8 (0.074 mi.)***	***B6***	***26***
GRAHAM EQUIPMENT	3003 W. WASHINGTON AVE.	W 1/8 - 1/4 (0.190 mi.)	C9	36
WESTERN RECREATIONAL VEHICLES	***3401 WEST WASHINGTON AV***	***WNW 1/4 - 1/2 (0.470 mi.)***	***23***	***62***

Lower Elevation	Address	Direction / Distance	Map ID	Page
YAKIMA AIR TERMINAL	2400 W. WASHINGTON AVE.	SE 1/8 - 1/4 (0.227 mi.)	D16	46
YAKIMA AIR TERMINAL	2008 W. WASHINGTON AVE.	ESE 1/4 - 1/2 (0.446 mi.)	F21	62
J.M. PERRY TECHNICAL INSTITUTE	2011 W. WASHINGTON	ESE 1/4 - 1/2 (0.459 mi.)	F22	62

State and tribal Brownfields sites

BROWNFIELDS: A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

A review of the BROWNFIELDS list, as provided by EDR, and dated 02/10/2009 has revealed that there are 3 BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
YAKIMA AIR TERMINAL	***2400 W WASHINGTON AVE***	***SE 1/8 - 1/4 (0.227 mi.)***	***D17***	***46***
YAKIMA CITY AIRPORT	***2300 W WASHINGTON AVE***	***ESE 1/4 - 1/2 (0.289 mi.)***	***E18***	***54***
WAYNE G TURNER AIRCRAFT SERVIC	***2008 W WASHINGTON AVE***	***ESE 1/4 - 1/2 (0.446 mi.)***	***F20***	***59***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CSCSL NFA: The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a No Further Action code is entered based upon the type of NFA determination the site received.

A review of the CSCSL NFA list, as provided by EDR, and dated 02/10/2009 has revealed that there are 2 CSCSL NFA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IRWIN RESEARCH & DEVELOPMENT	*1702 S 24TH AV*	*NE 1/8 - 1/4 (0.141 mi.)*	*8*	*33*
WESTERN RECREATIONAL VEHICLES	*3401 WEST WASHINGTON AV*	*WNW 1/4 - 1/2 (0.470 mi.)*	*23*	*62*

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 11/12/2008 has revealed that there are 3 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YAKIMA AIRPORT	*2800 W WASHINGTON AVE*	*WNW 0 - 1/8 (0.069 mi.)*	*B3*	*19*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
BLAZE CONSTRUCTION INC	*2520 W WASHINGTON*	*ESE 1/8 - 1/4 (0.137 mi.)*	*7*	*32*
HORIZON AIR YAKIMA AIR TERMINA	*2400 W WASHINGTON AVE*	*SE 1/8 - 1/4 (0.227 mi.)*	*D15*	*45*

MANIFEST: Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2007 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

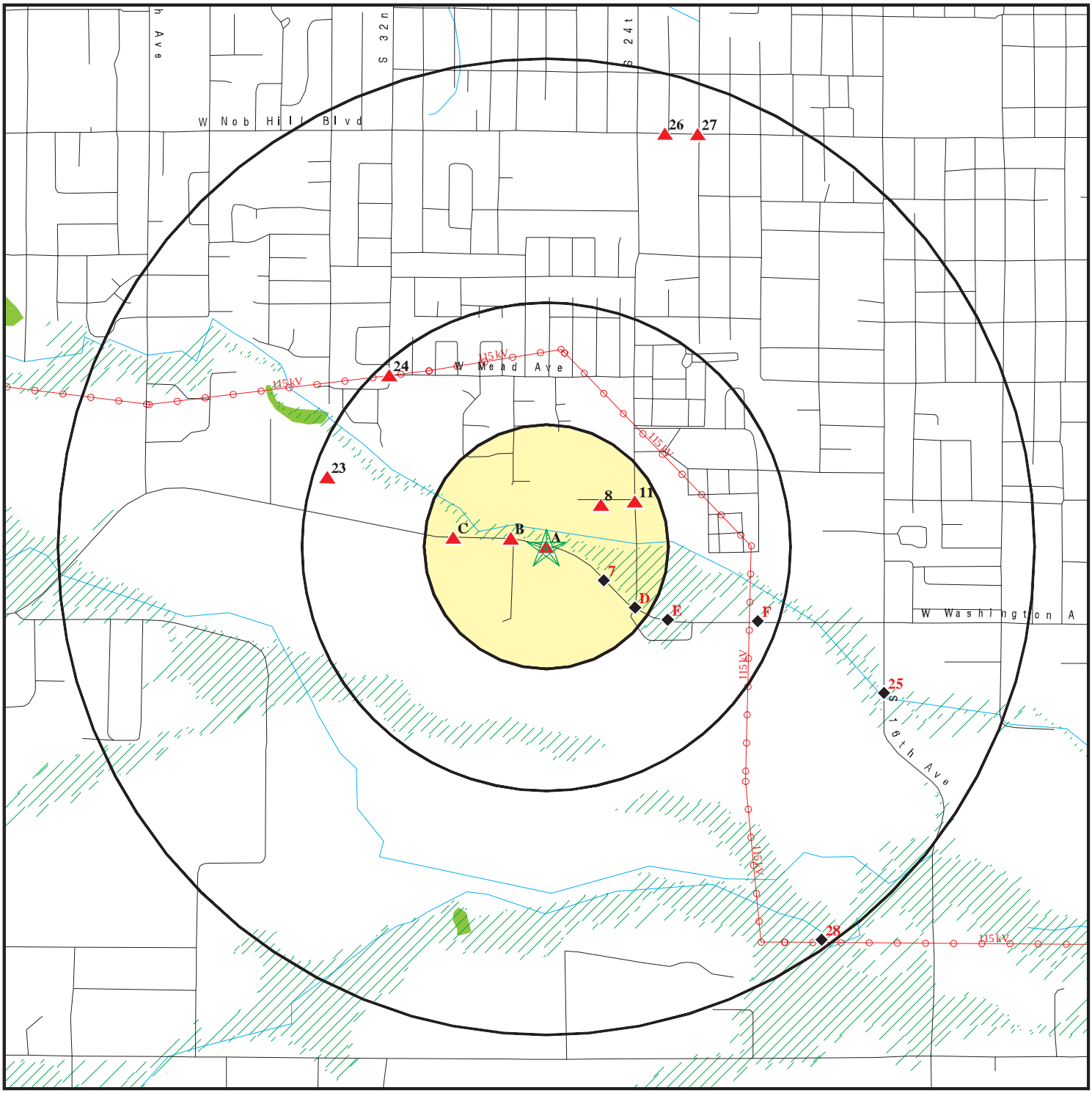
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOLAR GRAPHICS INC	*2804 W WASHINGTON STE 4*	*WNW 0 - 1/8 (0.071 mi.)*	*B5*	*22*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
MARVIN GARDENS	CSCSL
LONGFIBER ROAD SITE	CERC-NFRAP
WASHINGTON FRUIT	SPILLS
WASHINGTON FRUIT	SPILLS
AT&T YAKIMA AVE	PADS, FINDS, UST, RCRA-NonGen
CEREXAGRI INC YAKIMA	FINDS, MANIFEST, RCRA-NonGen
TSA YAKIMA AIR TERMINAL MCALLISTER	RCRA-CESQG
909 NACHES AVE	ERNS
WASHINGTON STREET	ERNS
S 83RD AVE AT SHAW CREEK CROSSING	FINDS
CENTRAL WASHINGTON HALIDE & HYDROP	FINDS
HATHAWAY AVE SITE	FINDS
UNITED PARCEL SERVICE	ICR
TSA YAKIMA AIR TERMINAL MCALLISTER	MANIFEST

OVERVIEW MAP - 2466396.2s



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2720 W. Washington Ave.	CLIENT: Montgomery Watson
ADDRESS: 2720 W. Washington Ave. Yakima WA 98902	CONTACT: Rovelle Federico
LAT/LONG: 46.5731 / 120.5448	INQUIRY #: 2466396.2s
	DATE: April 14, 2009 7:25 am

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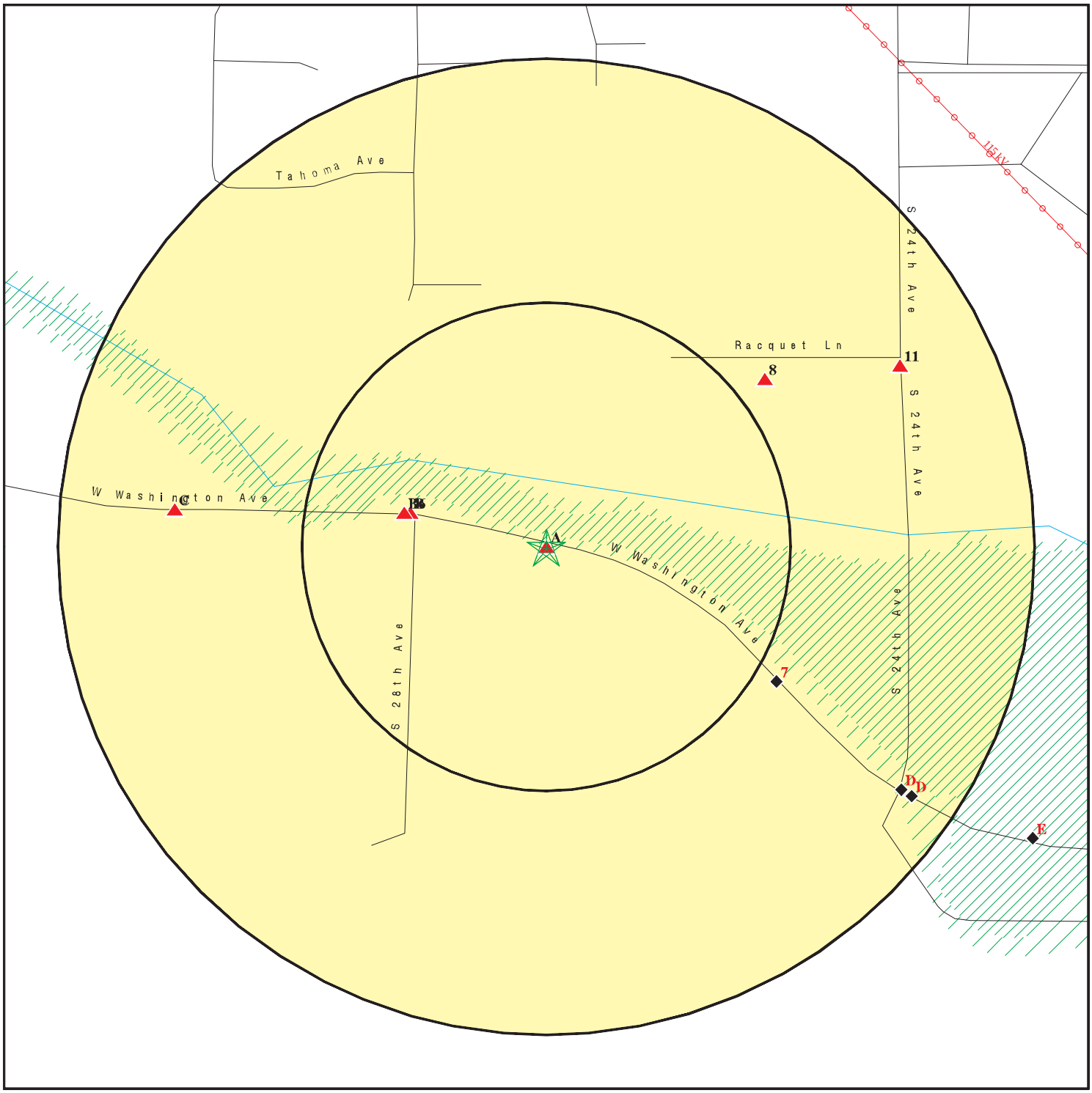
DETAIL MAP - 2466396.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

0 1/16 1/8 1/4 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2720 W. Washington Ave.	CLIENT: Montgomery Watson
ADDRESS: 2720 W. Washington Ave. Yakima WA 98902	CONTACT: Rovelle Federico
LAT/LONG: 46.5731 / 120.5448	INQUIRY #: 2466396.2s
	DATE: April 14, 2009 7:26 am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	1	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG	X	0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	1	1	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
HSL		1.000	1	0	0	0	NR	1
State- and tribal - equivalent CERCLIS								
CSCSL	X	1.000	1	1	3	4	NR	9
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	1	1	2	NR	NR	4
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	2	5	NR	NR	NR	7

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	1	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
INST CONTROL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	1	0	NR	NR	1
ICR		0.500	1	2	3	NR	NR	6
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	1	2	NR	NR	3
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
CSCSL NFA		0.500	0	1	1	NR	NR	2
CDL		TP	NR	NR	NR	NR	NR	0
HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	1	2	NR	NR	NR	3
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
MANIFEST	X	0.250	1	0	NR	NR	NR	1
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
Inactive Drycleaners		0.250	0	0	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
DOWTY AEROSPACE YAKIMA
2720 W WASHINGTON AVE
YAKIMA, WA 98903

HAZNET **S106084704**
N/A

Site 1 of 2 in cluster A

Actual: 1074 ft.

HAZNET:

Gepaid:	WAD009266511
Contact:	DARYL ROBINS
Telephone:	5092485000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 9907
Mailing City,St,Zip:	YAKIMA, WA 989090907
Gen County:	Not reported
TSD EPA ID:	Not reported
TSD County:	Sacramento
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	Disposal, Other
Tons:	0.44
Facility County:	Not reported

Gepaid:	WAD009266511
Contact:	DARYL ROBINS
Telephone:	5092485000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 9907
Mailing City,St,Zip:	YAKIMA, WA 989090907
Gen County:	99
TSD EPA ID:	CAD980884183
TSD County:	99
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	Disposal, Other
Tons:	0.22
Facility County:	99

A2
Target Property
GE AVIATION LLC YAKIMA
2720 W WASHINGTON AVE
YAKIMA, WA 98903

RCRA-SQG **1000423023**
CSCSL **WAD009266511**
FINDS
MANIFEST

Site 2 of 2 in cluster A

Actual: 1074 ft.

RCRA-SQG:

Date form received by agency:	02/06/2008
Facility name:	GE AVIATION LLC YAKIMA
Facility address:	2720 W WASHINGTON AVE YAKIMA, WA 98903
EPA ID:	WAD009266511
Mailing address:	PO BOX 9907 YAKIMA, WA 98903
Contact:	DARYL E ROBINS
Contact address:	PO BOX 9907 YAKIMA, WA 98903
Contact country:	US
Contact telephone:	(509)248-5000
Contact email:	Not reported
EPA Region:	10
Land type:	Private
Classification:	Small Small Quantity Generator

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: GE AVIATION LLC
Owner/operator address: PO BOX 9907
YAKIMA, WA 98903
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/26/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 12/31/2005
Facility name: GE AVIATION LLC YAKIMA
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS YAKIM
Classification: Small Quantity Generator

Date form received by agency: 12/31/2003
Facility name: GE AVIATION LLC YAKIMA
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS YAKIM
Classification: Small Quantity Generator

Date form received by agency: 03/06/2002
Facility name: GE AVIATION LLC YAKIMA
Site name: SMITHS AEROSPACE ACTUATION SYSTEMS YAKIM
Classification: Large Quantity Generator

Date form received by agency: 02/18/2000
Facility name: GE AVIATION LLC YAKIMA
Site name: DOWTY AEROSPACE YAKIMA
Classification: Large Quantity Generator

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Date form received by agency: 10/12/1998
Facility name: GE AVIATION LLC YAKIMA
Site name: DOWTY AEROSPACE YAKIMA
Classification: Large Quantity Generator

Date form received by agency: 03/01/1996
Facility name: GE AVIATION LLC YAKIMA
Site name: DOWTY AEROSPACE YAKIMA
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Facility name: GE AVIATION LLC YAKIMA
Site name: DOWTY AEROSPACE YAKIMA
Classification: Large Quantity Generator

Date form received by agency: 09/01/1993
Facility name: GE AVIATION LLC YAKIMA
Site name: DOWTY AEROSPACE YAKIMA
Classification: Large Quantity Generator

Date form received by agency: 12/31/1990
Facility name: GE AVIATION LLC YAKIMA
Site name: DOWTY DECOTO INC.
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/12/2008
Date achieved compliance: 02/12/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/21/2008
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 03/17/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 200(1)(b) abr 630(5)(a)
Area of violation: Generators - General
Date violation determined: 07/12/2005
Date achieved compliance: 09/01/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/23/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 170(2) abr 201(2)(c)
Area of violation: Generators - General
Date violation determined: 07/12/2005

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Date achieved compliance: 09/01/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/23/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 515(6) abr 40/279.22(c)(1)
Area of violation: Generators - General
Date violation determined: 07/12/2005
Date achieved compliance: 09/01/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/23/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - -395(6)
Area of violation: Generators - General
Date violation determined: 05/14/2002
Date achieved compliance: 05/16/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - -630(6)
Area of violation: Generators - General
Date violation determined: 05/14/2002
Date achieved compliance: 05/16/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - -630(5)(a)
Area of violation: Generators - General
Date violation determined: 05/14/2002
Date achieved compliance: 05/17/2002

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - -200(1)(d)
Area of violation: Generators - General
Date violation determined: 05/14/2002
Date achieved compliance: 05/16/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - -330(2)
Area of violation: Generators - General
Date violation determined: 05/14/2002
Date achieved compliance: 06/13/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - -200(2)
Area of violation: Generators - General
Date violation determined: 05/14/2002
Date achieved compliance: 06/13/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/21/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/20/1984
Date achieved compliance: 07/04/1994
Violation lead agency: State

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/12/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/12/2008
Evaluation lead agency: State

Evaluation date: 07/12/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/01/2005
Evaluation lead agency: State

Evaluation date: 05/14/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/16/2002
Evaluation lead agency: State

Evaluation date: 05/14/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/17/2002
Evaluation lead agency: State

Evaluation date: 05/14/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/13/2002
Evaluation lead agency: State

Evaluation date: 07/18/1996
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/04/1994
Evaluation lead agency: State

CSCSL:

Facility ID: 13175868
Facility Type: Not reported
Region: Central
Ecology Status Code: 1

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Entered Date:	5/6/2008
Updated Date:	5/6/2008
Brownfield Status:	0
Rank Status:	Not reported
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57309
Longitude:	-120.54479
Lat/Long:	46.57309 / -120.54479
Lat/Long (dms):	46 34 23.12 / 120 32 41.24
Media Status Desc:	5/6/2008
Affected Media:	Groundwater
Affected Media Status:	Suspected
Pesticides:	Not reported
Petroleum Products:	Suspected
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Awaiting SHA

Facility ID:	13175868
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	1
Entered Date:	5/6/2008
Updated Date:	5/6/2008
Brownfield Status:	0
Rank Status:	Not reported
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57309

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Longitude:	-120.54479
Lat/Long:	46.57309 / -120.54479
Lat/Long (dms):	46 34 23.12 / 120 32 41.24
Media Status Desc:	5/6/2008
Affected Media:	Soil
Affected Media Status:	Suspected
Pesticides:	Not reported
Petroleum Products:	Suspected
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Awaiting SHA

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110000897147

Not reported

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA MANIFEST:

Facility Site ID Number:	13175868
Permit by Rule:	FALSE

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Treatment by Generator:	FALSE
Mixed radioactive waste:	FALSE
Importer of hazardous waste:	FALSE
Immediate recycler:	FALSE
Treatment/Storage/Disposal/Recycling Facility:	FALSE
Generator of dangerous fuel waste:	FALSE
Generator marketing to burner:	FALSE
"Other marketers (i.e., blender, distributor, etc.)":	FALSE
Utility boiler burner:	FALSE
Industry boiler burner:	FALSE
Industrial Furnace:	FALSE
Smelter defferal:	FALSE
Universal waste - batteries - generate:	FALSE
Universal waste - thermostats - generate:	FALSE
Universal waste - mercury - generate:	FALSE
Universal waste - lamps - generate:	FALSE
Universal waste - batteries - accumulate:	FALSE
Universal waste - thermostats - accumulate:	FALSE
Universal waste - mercury - accumulate:	FALSE
Universal waste - lamps - accumulate:	FALSE
Destination Facility for Universal Waste:	FALSE
Off-specification used oil burner - utility boiler:	FALSE
Off-specification used oil burner - industrial boiler:	FALSE
Off-specification used oil burner - industrial furnace:	FALSE
EPA ID:	WAD009266511
Facility Address 2:	Not reported
TAX REG NBR:	397014030
NAICS CD:	33641
BUSINESS TYPE:	Aerospace Mfg.
MAIL NAME:	Smiths Aerospace Actuation Systems Yakim
MAIL ADDR LINE1:	PO Box 9907
MAIL CITY,ST,ZIP:	YAKIMA, WA 98909-0907
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Smiths Group PLC
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	765 Finchley Rd
LEGAL CITY,ST,ZIP:	LONDON NW118DS
LEGAL COUNTRY:	UNITED KINGDOM
LEGAL PHONE NBR:	011 44 1452716000
LEGAL EFFECTIVE DATE:	7/1/2001
LAND ORG NAME:	Smiths Aerospace Acutation Systems Yakim
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	PO Box 9907
LAND CITY,ST,ZIP:	YAKIMA, WA 98909-0907
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	(509)248-5000
OPERATOR ORG NAME:	Smiths Aerospace Acutation Systems Yakim
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	PO Box 9907
OPERATOR CITY,ST,ZIP:	YAKIMA, WA 98909-0907
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(509)248-5000
OPERATOR EFFECTIVE DATE:	6/26/1996
SITE CONTACT NAME:	Daryl E Robins
SITE CONTACT ADDR LINE1:	PO Box 9907
SITE CONTACT ZIP:	YAKIMA, WA 98909-0907

GE AVIATION LLC YAKIMA (Continued) **1000423023**

SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(509)248-5000
SITE CONTACT EMAIL:	Daryl.Robins@smiths-aerospace.com
FORM CONTACT NAME:	Daryl Robins
FORM CONTACT ADDR LINE1:	PO Box 9907
FORM CONTACT CITY,ST,ZIP:	YAKIMA, WA 98909-0907
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	(509)248-5000
FORM CONTACT EMAIL:	daryl.robins@smiths-aerospace.com
GEN STATUS CD:	MQG
MONTHLY GENERATION:	TRUE
BATCH GENERATION:	FALSE
ONE TIME GENERATION:	FALSE
TRANSPORTS OWN WASTE:	FALSE
TRANSPORTS OTHRS WASTE:	FALSE
RECYCLER ONSITE:	FALSE
TRANSFER FACILITY:	FALSE
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	FALSE
USED OIL TRANSPORTER:	FALSE
USED OIL TRANSFER FACLTY:	FALSE
USED OIL PROCESSOR:	FALSE
USED OIL REREFINER:	FALSE
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	FALSE
USED OIL FUEL MRKTR MEETS SPECS:	FALSE

Facility Site ID Number:	13175868
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD009266511
Facility Address 2:	Not reported
TAX REG NBR:	601722581
NAICS CD:	33641
BUSINESS TYPE:	Aerospace Mfg.

GE AVIATION LLC YAKIMA (Continued) **1000423023**

MAIL NAME:	GE Aviation LLC
MAIL ADDR LINE1:	PO Box 9907
MAIL CITY,ST,ZIP:	Yakima, WA 98903
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	GE Aviation LLC
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO Box 9907
LEGAL CITY,ST,ZIP:	Yakima, WA 98903
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(509)248-5000, ext 261
LEGAL EFFECTIVE DATE:	7/1/2001
LAND ORG NAME:	GE Aviation LLC
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	PO Box 9907
LAND CITY,ST,ZIP:	Yakima, WA 98903
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	(509)248-5000, ext 261
OPERATOR ORG NAME:	GE Aviation LLC
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	PO Box 9907
OPERATOR CITY,ST,ZIP:	YAKIMA, WA 98903
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(509)248-5000, ext 261
OPERATOR EFFECTIVE DATE:	06/26/96
SITE CONTACT NAME:	Daryl E Robins
SITE CONTACT ADDR LINE1:	PO Box 9907
SITE CONTACT ZIP:	YAKIMA, WA 98903
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(509)248-5000, ext 26
SITE CONTACT EMAIL:	Daryl.Robins@ge.com
FORM CONTACT NAME:	Daryl E Robins
FORM CONTACT ADDR LINE1:	PO Box 9907
FORM CONTACT CITY,ST,ZIP:	YAKIMA, WA 98903
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	(509)248-5000, ext 261
FORM CONTACT EMAIL:	Daryl.Robins@ge.com
GEN STATUS CD:	MQG
MONTHLY GENERATION:	True
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False
USED OIL FUEL MRKTR MEETS SPECS:	False

Facility Site ID Number:	13175868
Permit by Rule:	No
Treatment by Generator:	No

GE AVIATION LLC YAKIMA (Continued) **1000423023**

Mixed radioactive waste:	No
Importer of hazardous waste:	No
Immediate recycler:	No
Treatment/Storage/Disposal/Recycling Facility:	No
Generator of dangerous fuel waste:	No
Generator marketing to burner:	No
"Other marketers (i.e., blender, distributor, etc.)":	No
Utility boiler burner:	No
Industry boiler burner:	No
Industrial Furnace:	No
Smelter defferal:	No
Universal waste - batteries - generate:	No
Universal waste - thermostats - generate:	No
Universal waste - mercury - generate:	No
Universal waste - lamps - generate:	No
Universal waste - batteries - accumulate:	No
Universal waste - thermostats - accumulate:	No
Universal waste - mercury - accumulate:	No
Universal waste - lamps - accumulate:	No
Destination Facility for Universal Waste:	No
Off-specification used oil burner - utility boiler:	No
Off-specification used oil burner - industrial boiler:	No
Off-specification used oil burner - industrial furnace:	No
EPA ID:	WAD009266511
Facility Address 2:	Not reported
TAX REG NBR:	397014030
NAICS CD:	33641
BUSINESS TYPE:	Not reported
MAIL NAME:	Smiths Aerospace Actuation Systems Yakim
MAIL ADDR LINE1:	PO Box 9907
MAIL CITY,ST,ZIP:	YAKIMA, WA 98909-0907
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Smiths Group PLC
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	765 Finchley Rd
LEGAL CITY,ST,ZIP:	LONDON NW118DS
LEGAL COUNTRY:	UNITED KINGDOM
LEGAL PHONE NBR:	011 44 1452716000
LEGAL EFFECTIVE DATE:	7/1/2001
LAND ORG NAME:	Smiths Aerospace Acutation Systems Yakim
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	PO Box 9907
LAND CITY,ST,ZIP:	YAKIMA, WA 98909-0907
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	(509)248-5000
OPERATOR ORG NAME:	Smiths Aerospace Acutation Systems Yakim
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	PO Box 9907
OPERATOR CITY,ST,ZIP:	YAKIMA, WA 98909-0907
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(509)248-5000
OPERATOR EFFECTIVE DATE:	6/26/1996
SITE CONTACT NAME:	Daryl Robins
SITE CONTACT ADDR LINE1:	PO Box 9907
SITE CONTACT ZIP:	YAKIMA, WA 98909-0907
SITE CONTACT COUNTRY:	UNITED STATES

GE AVIATION LLC YAKIMA (Continued) **1000423023**

SITE CONTACT PHONE NBR:	(509)248-5000
SITE CONTACT EMAIL:	Daryl.Robins@smiths-aerospace.com
FORM CONTACT NAME:	Daryl Robins
FORM CONTACT ADDR LINE1:	PO Box 9907
FORM CONTACT CITY,ST,ZIP:	YAKIMA, WA 98909-0907
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	(509)248-5000
FORM CONTACT EMAIL:	daryl.robins@smiths-aerospace.com
GEN STATUS CD:	MQG
MONTHLY GENERATION:	Yes
BATCH GENERATION:	No
ONE TIME GENERATION:	No
TRANSPORTS OWN WASTE:	No
TRANSPORTS OTHRS WASTE:	No
RECYCLER ONSITE:	No
TRANSFER FACILITY:	No
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	No
USED OIL TRANSPORTER:	No
USED OIL TRANSFER FACLTY:	No
USED OIL PROCESSOR:	No
USED OIL REREFINER:	No
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	No
USED OIL FUEL MRKTR MEETS SPECS:	No

B3 **YAKIMA AIRPORT** **FINDS** **1000456108**
WNW **2800 W WASHINGTON AVE** **RCRA-NonGen** **WAD988497285**
< 1/8 **YAKIMA, WA 98903**
0.069 mi.
367 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
1075 ft.

Registry ID: 110005369047

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RCRA-NonGen:

Date form received by agency:	11/09/1993
Facility name:	YAKIMA AIRPORT
Facility address:	2800 W WASHINGTON AVE YAKIMA, WA 989031100
EPA ID:	WAD988497285
Mailing address:	106 S 6TH AVE YAKIMA, WA 98902-3387
Contact:	DON BEERY
Contact address:	106 S 6TH AVE YAKIMA, WA 98902-3387
Contact country:	US
Contact telephone:	(509)457-7119

YAKIMA AIRPORT (Continued) **1000456108**

Contact email: Not reported
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WA ECY
Owner/operator address: 106 S 6TH AVE
YAKIMA, WA 98902
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/09/1993
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

B4 **FLIGHTLINE CONVENIENCE CENTER** **FINDS** **1007073644**
WNW **2805 W WASHINGTON** **UST** **N/A**
< 1/8 **YAKIMA, WA 98903**
0.071 mi.
376 ft. **Site 2 of 4 in cluster B**

Relative:
Higher

Actual:
1075 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110015502794

Not reported

UST:
Facility ID: 25798875
Site ID: 100524
Lat Deg: 46
Lat Min: 34
Lat Sec: 22.15
Long Deg: 120

FLIGHTLINE CONVENIENCE CENTER (Continued) **1007073644**

Long Min:	32
Long Sec:	50.83
UBI:	6025928250010001
Phone Number:	5094576609
Tank ID:	6663
Tank Name:	2
Install Date:	1/15/1989
Capacity:	10,000 to 19,999 Gallons
Tank Upgrade Date:	5/4/1998
TankSystem Status:	Operational
TankSystem Status Change Date:	8/26/1996
Tank Status:	Operational
Tank Permit Expiration Date:	3/31/2010
Tank Closure Date:	1/1/0001
Tank Pumping System:	Pressurized System
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Automatic Shutoff (fill pipe)
Tank Material:	Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Part of Automatic Tank Gauging (ATG) System
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detection
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Tank Primary Release Detection:	Automatic Tank Gauging
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Annual
Tank Actual Status Date:	8/6/1996
Tag Number:	A3587

Tank ID:	6770
Tank Name:	3
Install Date:	1/15/1989
Capacity:	10,000 to 19,999 Gallons
Tank Upgrade Date:	5/4/1998
TankSystem Status:	Operational
TankSystem Status Change Date:	8/26/1996
Tank Status:	Operational
Tank Permit Expiration Date:	3/31/2010
Tank Closure Date:	1/1/0001
Tank Pumping System:	Pressurized System
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Automatic Shutoff (fill pipe)
Tank Material:	Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Part of Automatic Tank Gauging (ATG) System
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Fiberglass
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Automatic Line Leak Detection
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Corrosion Resistant
Tank Primary Release Detection:	Automatic Tank Gauging

FLIGHTLINE CONVENIENCE CENTER (Continued) **1007073644**

Tank Second Release Detection: Not reported
Pipe Tightness Test: Annual
Tank Actual Status Date: 8/6/1996
Tag Number: A3587

Tank ID: 6836
Tank Name: 1
Install Date: 1/15/1989
Capacity: 5,000 to 9,999 Gallons
Tank Upgrade Date: 5/4/1998
TankSystem Status: Operational
TankSystem Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 3/31/2010
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Automatic Shutoff (fill pipe)
Tank Material: Coated Steel
Tank Construction: Single Wall Tank
Tank Tightness Test: Part of Automatic Tank Gauging (ATG) System
Tank Corrosion Protection: Sacrificial Anode
Pipe Material: Fiberglass
Pipe Construction: Single Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Tank Primary Release Detection: Automatic Tank Gauging
Tank Second Release Detection: Not reported
Pipe Tightness Test: Annual
Tank Actual Status Date: 8/6/1996
Tag Number: A3587

B5 **SOLAR GRAPHICS INC** **FINDS** **1000659443**
WNW **2804 W WASHINGTON STE 4** **MANIFEST** **WAD988491148**
< 1/8 **YAKIMA, WA 98903** **RCRA-CESQG**
0.071 mi.
377 ft. **Site 3 of 4 in cluster B**

Relative: Higher

Actual: 1075 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110005364480

Not reported

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WA MANIFEST:
Facility Site ID Number: 25285243

SOLAR GRAPHICS INC (Continued) **1000659443**

Permit by Rule:	No
Treatment by Generator:	No
Mixed radioactive waste:	No
Importer of hazardous waste:	No
Immediate recycler:	No
Treatment/Storage/Disposal/Recycling Facility:	No
Generator of dangerous fuel waste:	No
Generator marketing to burner:	No
"Other marketers (i.e., blender, distributor, etc.)":	No
Utility boiler burner:	No
Industry boiler burner:	No
Industrial Furnace:	No
Smelter defferal:	No
Universal waste - batteries - generate:	No
Universal waste - thermostats - generate:	No
Universal waste - mercury - generate:	No
Universal waste - lamps - generate:	No
Universal waste - batteries - accumulate:	No
Universal waste - thermostats - accumulate:	No
Universal waste - mercury - accumulate:	No
Universal waste - lamps - accumulate:	No
Destination Facility for Universal Waste:	No
Off-specification used oil burner - utility boiler:	No
Off-specification used oil burner - industrial boiler:	No
Off-specification used oil burner - industrial furnace:	No
EPA ID:	WAD988491148
Facility Address 2:	Not reported
TAX REG NBR:	600592397
NAICS CD:	33995
BUSINESS TYPE:	Not reported
MAIL NAME:	Solar Graphics
MAIL ADDR LINE1:	2804 W WASHINGTON AVE
MAIL CITY,ST,ZIP:	YAKIMA, WA 98903-1100
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Solar Graphics
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	2804 W WASHINGTON AVE
LEGAL CITY,ST,ZIP:	YAKIMA, WA 98903-1100
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	0000000000
LEGAL EFFECTIVE DATE:	4/2/1997
LAND ORG NAME:	Decoto Airpark
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	4603 DOUGLAS DR
LAND CITY,ST,ZIP:	YAKIMA, WA 98908-2525
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	0000000000
OPERATOR ORG NAME:	Not reported
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	2804 W WASHINGTON AVE STE 4
OPERATOR CITY,ST,ZIP:	YAKIMA, WA 98903-1100
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(509)248-1129
OPERATOR EFFECTIVE DATE:	4/2/1997
SITE CONTACT NAME:	Kenneth Harris
SITE CONTACT ADDR LINE1:	2804 W WASHINGTON AVE STE 4

SOLAR GRAPHICS INC (Continued) **1000659443**

SITE CONTACT ZIP: YAKIMA, WA 98903-1100
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (509)248-1129
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Kenneth Harris
FORM CONTACT ADDR LINE1: 2804 W WASHINGTON AVE STE 4
FORM CONTACT CITY,ST,ZIP: YAKIMA, WA 98903-1100
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (509)248-1129
FORM CONTACT EMAIL: Not reported
GEN STATUS CD: SQG
MONTHLY GENERATION: No
BATCH GENERATION: Yes
ONE TIME GENERATION: No
TRANSPORTS OWN WASTE: No
TRANSPORTS OTHRS WASTE: No
RECYCLER ONSITE: No
TRANSFER FACILITY: No
OTHER EXEMPTION: Not reported
UW BATTERY GEN: No
USED OIL TRANSPORTER: No
USED OIL TRANSFER FACLTY: No
USED OIL PROCESSOR: No
USED OIL REREFINER: No
USED OIL FUEL MRKTR DIRECTS SHPMNTS: No
USED OIL FUEL MRKTR MEETS SPECS: No

RCRA-CESQG:
Date form received by agency: 04/25/2006
Facility name: SOLAR GRAPHICS INC
Facility address: 2804 W WASHINGTON STE 4
YAKIMA, WA 98903
EPA ID: WAD988491148
Mailing address: 2804 W WASHINGTON AVE
YAKIMA, WA 98903-1100
Contact: KENNETH HARRIS
Contact address: 2804 W WASHINGTON AVE
YAKIMA, WA 98903-1100
Contact country: US
Contact telephone: (509)248-1129
Contact email: Not reported
EPA Region: 10
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

SOLAR GRAPHICS INC (Continued) **1000659443**

hazardous waste

Owner/Operator Summary:
Owner/operator name: KENNETH HARRIS
Owner/operator address: 2804 W WASHINGTON AVE
YAKIMA, WA 98903
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/02/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 12/31/2005
Facility name: SOLAR GRAPHICS INC
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Facility name: SOLAR GRAPHICS INC
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 05/01/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/28/1995
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SOLAR GRAPHICS INC (Continued) **1000659443**

Evaluation date:	07/29/1991
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

B6 **NOLAND DECOTO FLYING SER INC** **CSCSL** **U003026181**
WNW **2809 W WASHINGTON** **LUST** **N/A**
< 1/8 **YAKIMA, WA 98909** **UST**
0.074 mi. **HSL**
393 ft. **Site 4 of 4 in cluster B** **ICR**

Relative:
Higher

Actual:
1075 ft.

CSCSL:

Facility ID:	39563633
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	3
Entered Date:	5/1/2000
Updated Date:	1/15/2009
Brownfield Status:	0
Rank Status:	5
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.5733
Longitude:	-120.54735
Lat/Long:	46.5733 / -120.54735
Lat/Long (dms):	46 34 23 / 120 32 50
Media Status Desc:	1/1/0001
Affected Media:	Groundwater
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

NOLAND DECOTO FLYING SER INC (Continued) **U003026181**

Facility ID:	39563633
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	3
Entered Date:	5/1/2000
Updated Date:	1/15/2009
Brownfield Status:	0
Rank Status:	5
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.5733
Longitude:	-120.54735
Lat/Long:	46.5733 / -120.54735
Lat/Long (dms):	46 34 23 / 120 32 50
Media Status Desc:	1/1/0001
Affected Media:	Soil
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

LUST:

FS ID:	39563633
Facility ID:	1967
Facility Status:	Cleanup Started
Release ID:	532154
Affected Media:	Ground Water
Alternate Name:	Not reported
Release Notification Date:	11/19/1999
Release Status Date:	11/29/1999
Site Response Unit Code:	CENTRAL

NOLAND DECOTO FLYING SER INC (Continued) **U003026181**

Lat/Long: 46.5733 / -120.54735

FS ID: 39563633
Facility ID: 1967
Facility Status: Awaiting Cleanup
Release ID: 532154
Affected Media: Ground Water
Alternate Name: Not reported
Release Notification Date: 11/19/1999
Release Status Date: 11/29/1999
Site Response Unit Code: CENTRAL
Lat/Long: 46.5733 / -120.54735

FS ID: 39563633
Facility ID: 1967
Facility Status: Monitoring
Release ID: 532154
Affected Media: Ground Water
Alternate Name: Not reported
Release Notification Date: 11/19/1999
Release Status Date: 3/16/2000
Site Response Unit Code: CENTRAL
Lat/Long: 46.5733 / -120.54735

FS ID: 39563633
Facility ID: 1967
Facility Status: Awaiting Cleanup
Release ID: 532154
Affected Media: Soil
Alternate Name: Not reported
Release Notification Date: 11/19/1999
Release Status Date: 11/29/1999
Site Response Unit Code: CENTRAL
Lat/Long: 46.5733 / -120.54735

FS ID: 39563633
Facility ID: 1967
Facility Status: Cleanup Started
Release ID: 532154
Affected Media: Soil
Alternate Name: Not reported
Release Notification Date: 11/19/1999
Release Status Date: 11/29/1999
Site Response Unit Code: CENTRAL
Lat/Long: 46.5733 / -120.54735

FS ID: 39563633
Facility ID: 1967
Facility Status: Monitoring
Release ID: 532154
Affected Media: Soil
Alternate Name: Not reported
Release Notification Date: 11/19/1999
Release Status Date: 3/16/2000
Site Response Unit Code: CENTRAL
Lat/Long: 46.5733 / -120.54735

NOLAND DECOTO FLYING SER INC (Continued) **U003026181**

UST:

Facility ID:	39563633
Site ID:	1967
Lat Deg:	46
Lat Min:	34
Lat Sec:	23
Long Deg:	120
Long Min:	32
Long Sec:	50
UBI:	Not reported
Phone Number:	5092481370

Tank ID:	36428
Tank Name:	2
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	36493
Tank Name:	1
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported

NOLAND DECOTO FLYING SER INC (Continued) **U003026181**

Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	36548
Tank Name:	3
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

HSL:

Rank:	5
Facility Status:	RA in progress
Facility Type:	**Not reported**
FSID Number:	39563633

ICR:

Date Ecology Received Report:	12/22/99
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-22
County Code:	39

NOLAND DECOTO FLYING SER INC (Continued) **U003026181**

Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	03/16/00
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-25
County Code:	39
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	11/29/99
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-21
County Code:	39
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	12/22/99
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-25
County Code:	39
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	11/29/99
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-25
County Code:	39
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	07/27/00
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-27
County Code:	39
Contact:	Not reported
Report Title:	Not reported

NOLAND DECOTO FLYING SER INC (Continued) **U003026181**

Date Ecology Received Report:	11/03/00
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-30
County Code:	39
Contact:	Not reported
Report Title:	Ground Water Sampling & Testing

Date Ecology Received Report:	02/02/01
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-33
County Code:	39
Contact:	Not reported
Report Title:	Ground Water Sampling Results for January 2001

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7 **BLAZE CONSTRUCTION INC** **FINDS** **1000443079**
ESE **2520 W WASHINGTON** **RCRA-NonGen** **WAD147233043**
1/8-1/4 **YAKIMA, WA 98903**
0.137 mi.
722 ft.

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
1072 ft.

Registry ID: 110005332096

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

Date form received by agency:	09/26/1989
Facility name:	BLAZE CONSTRUCTION INC
Facility address:	2520 W WASHINGTON YAKIMA, WA 98903
EPA ID:	WAD147233043
Mailing address:	PO BOX 10325 YAKIMA, WA 98909-1325
Contact:	PAUL UNDERDAL
Contact address:	PO BOX 10325 YAKIMA, WA 98909-1325
Contact country:	US
Contact telephone:	(509)248-5880
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator

BLAZE CONSTRUCTION INC (Continued) **1000443079**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BLAZE CONSTRUCTION INC
Owner/operator address: PO BOX 10325
YAKIMA, WA 98909
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/26/1989
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

8
NE
1/8-1/4
0.141 mi.
746 ft.

IRWIN RESEARCH & DEVELOPMENT
1702 S 24TH AV
YAKIMA, WA 98903

FINDS **1000255463**
CERC-NFRAP **WAD041339227**
CSCSL NFA
VCP
RCRA-CESQG

Relative: Higher

Actual: 1084 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110005319841

Not reported

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERC-NFRAP:
Site ID: 1000708
Federal Facility: Not a Federal Facility

IRWIN RESEARCH & DEVELOPMENT (Continued) **1000255463**

NPL Status: Not on the NPL
Non NPL Status: NFRAP

Site Description: Not reported

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/30/1987
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 06/17/1988
Date Completed: 06/23/1988
Priority Level: High

Action: SITE INSPECTION
Date Started: 02/02/1990
Date Completed: 02/02/1990
Priority Level: NFRAP (No Futher Remedial Action Planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 02/02/1990
Priority Level: Not reported

CSCSL NFA:
Facility/Site Id: 449
NFA Type: NFA after assessment, IRAP, or VCP
NFA Date: 5/19/1998
Rank: 2
Alternate Name: Alternate Names: IRAD,

VCP:
Facility ID: 449
VCP Status: Not reported
VCP: Y
Ecology Status: Not reported
NFA Type: NFA after assessment, IRAP, or VCP
Date NFA: 5/19/1998
Rank: 2

RCRA-CESQG:
Date form received by agency: 03/03/1997
Facility name: IRWIN RESEARCH & DEVELOPMENT
Facility address: 1702 S 24TH AV
YAKIMA, WA 98903
EPA ID: WAD041339227
Mailing address: 1702 S 24TH AVE
YAKIMA, WA 98902-5721
Contact: DAVID FERIANTE
Contact address: 1702 S 24TH AVE
YAKIMA, WA 98902-5721
Contact country: US
Contact telephone: (509)248-0194
Contact email: Not reported

IRWIN RESEARCH & DEVELOPMENT (Continued) **1000255463**

EPA Region: 10
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: IRWIN RESEARCH & DEVELOPMENT INC
Owner/operator address: 1702 S 24TH AVE
YAKIMA, WA 98902
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/07/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/04/1984
Date achieved compliance: 07/04/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/07/1984
Enf. disposition status: Not reported

IRWIN RESEARCH & DEVELOPMENT (Continued) **1000255463**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/04/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 07/04/1994
Evaluation lead agency: State

C9 **GRAHAM EQUIPMENT** **ICR** **S104486838**
West **3003 W. WASHINGTON AVE.** **N/A**
1/8-1/4 **YAKIMA, WA 98902**
0.190 mi.
1004 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
1084 ft.

ICR:
Date Ecology Received Report: 01/17/91
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: Central
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 91-22
County Code: 39
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/02/91
Contaminants Found at Site: Metals, Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: Central
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 91-26
County Code: 39
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/02/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: Central
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-31
County Code: 39
Contact: Not reported
Report Title: Not reported

C10
West
1/8-1/4
0.191 mi.
1008 ft.

GRAHAM EQUIPMENT — **UST** — **U001124934**
3003 W WASHINGTON — **N/A**
YAKIMA, WA 98903

Site 2 of 2 in cluster C

Relative:
Higher

Actual:
1084 ft.

UST:

Facility ID:	92998881
Site ID:	7333
Lat Deg:	46
Lat Min:	34
Lat Sec:	24
Long Deg:	120
Long Min:	32
Long Sec:	55
UBI:	Not reported
Phone Number:	5094539019

Tank ID:	43401
Tank Name:	2
Install Date:	12/31/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	43425
Tank Name:	4
Install Date:	12/31/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported

GRAHAM EQUIPMENT (Continued) **U001124934**

Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	43469
Tank Name:	3
Install Date:	12/31/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	43492
Tank Name:	1
Install Date:	12/31/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported

GRAHAM EQUIPMENT (Continued) **U001124934**

Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

11
ENE
1/8-1/4
0.204 mi.
1076 ft.

KNDO TV **UST** **U001778040**
1608 S 24TH AVE **N/A**
YAKIMA, WA 98902

Relative:
Higher

Actual:
1085 ft.

UST:

Facility ID:	28173116
Site ID:	102076
Lat Deg:	46
Lat Min:	34
Lat Sec:	34.09
Long Deg:	120
Long Min:	32
Long Sec:	31.62
UBI:	Not reported
Phone Number:	Not reported
Tank ID:	1652
Tank Name:	2
Install Date:	1/1/1953
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported

KNDO TV (Continued) **U001778040**

Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

Tank ID: 1777
Tank Name: 1
Install Date: 1/1/1953
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 8/26/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Not reported
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

D12 **NATIONAL WEATHER SERVICE** **UST** **U003027880**
SE **2406 W WASHINGTON AVE** **N/A**
1/8-1/4 **YAKIMA, WA 98903**
0.220 mi.
1163 ft. **Site 1 of 6 in cluster D**

Relative:
Lower

Actual:
1068 ft.

UST:
Facility ID: 25433282
Site ID: 6748
Lat Deg: 46
Lat Min: 34
Lat Sec: 15.84
Long Deg: 120
Long Min: 32
Long Sec: 32.12
UBI: Not reported
Phone Number: 5095755826

Tank ID: 26941
Tank Name: 1
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed

NATIONAL WEATHER SERVICE (Continued) **U003027880**

TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

D13 **FAA YAKIMA RCAG** **INDIAN UST** **1009395397**
SE **2406 W. WASHINGTON AVE.** **N/A**
1/8-1/4 **YAKIMA, WA 98903**
0.221 mi.
1164 ft. **Site 2 of 6 in cluster D**

Relative:
Lower

Actual:
1068 ft.

Indian UST:

Region:	10
Facility ID:	4260055
Tank ID:	1
Alternate Tank ID:	1
Installation Date:	1/1/1958
Tank Status:	Permanently Out of Use
Content:	Diesel
Federally Regulated:	True
Owner Name:	FAA - Auburn, WA

D14 **YAKIMA CITY FIRE DEPARTMENT UST 7636** **UST** **U001125066**
SE **2404 W WASHINGTON AVE** **N/A**
1/8-1/4 **YAKIMA, WA 98903**
0.223 mi.
1175 ft. **Site 3 of 6 in cluster D**

Relative:
Lower

Actual:
1068 ft.

UST:

Facility ID:	86342998
Site ID:	7636
Lat Deg:	46
Lat Min:	34
Lat Sec:	15.77
Long Deg:	120
Long Min:	32
Long Sec:	32.05
UBI:	3970052720010003
Phone Number:	5095766412

YAKIMA CITY FIRE DEPARTMENT UST 7636 (Continued) **U001125066**

Tank ID:	5788
Tank Name:	24 AVE #1
Install Date:	1/1/1968
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	11/30/1998
TankSystem Status:	Operational
TankSystem Status Change Date:	8/26/1996
Tank Status:	Operational
Tank Permit Expiration Date:	7/31/2009
Tank Closure Date:	1/1/0001
Tank Pumping System:	Suction System Tank Check Valve
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Automatic Shutoff (fill pipe)
Tank Material:	Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not Performed
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	No Piping Attached to Tank
Pipe Construction:	No Piping Attached to Tank
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Weekly Manual Gauging
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	No Piping Attached to Tank
Tank Actual Status Date:	8/6/1996
Tag Number:	A4463

Tank ID:	5874
Tank Name:	24 AVE #2
Install Date:	1/1/1968
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	11/30/1998
TankSystem Status:	Operational
TankSystem Status Change Date:	8/26/1996
Tank Status:	Operational
Tank Permit Expiration Date:	7/31/2009
Tank Closure Date:	1/1/0001
Tank Pumping System:	Suction System Tank Check Valve
Tank Spill Prevention:	Spill Bucket/Spill Box
Tank Overfill Prevention:	Automatic Shutoff (fill pipe)
Tank Material:	Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not Performed
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	No Piping Attached to Tank
Pipe Construction:	No Piping Attached to Tank
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Weekly Manual Gauging
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	No Piping Attached to Tank
Tank Actual Status Date:	8/6/1996
Tag Number:	A4463

YAKIMA CITY FIRE DEPARTMENT UST 7636 (Continued) **U001125066**

Tank ID:	6499
Tank Name:	24TH AVE #5
Install Date:	1/1/1973
Capacity:	10,000 to 19,999 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	6/30/1996
Tank Closure Date:	1/1/0001
Tank Pumping System:	Other
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	None
Pipe Material:	No Piping Attached to Tank
Pipe Construction:	No Piping Attached to Tank
Pipe Primary Release Detection:	Other
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Other
Tank Primary Release Detection:	Statistical Inventory Reconciliation
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	A4463

Tank ID:	6544
Tank Name:	24TH AVE #3
Install Date:	1/1/1973
Capacity:	10,000 to 19,999 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	6/30/1996
Tank Closure Date:	1/1/0001
Tank Pumping System:	Other
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Other
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Statistical Inventory Reconciliation
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Annual
Tank Actual Status Date:	8/6/1996
Tag Number:	A4463

YAKIMA CITY FIRE DEPARTMENT UST 7636 (Continued) **U001125066**

Tank ID:	6603
Tank Name:	24TH AVE #6
Install Date:	1/1/1982
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	6/30/1996
Tank Closure Date:	1/1/0001
Tank Pumping System:	Gravity Delivery System (No Pump)
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	None
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Other
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Statistical Inventory Reconciliation
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	A4463

Tank ID:	6635
Tank Name:	24TH AVE #4
Install Date:	1/1/1973
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	6/30/1996
Tank Closure Date:	1/1/0001
Tank Pumping System:	Other
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Other
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Statistical Inventory Reconciliation
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Annual
Tank Actual Status Date:	8/6/1996
Tag Number:	A4463

D15 **HORIZON AIR YAKIMA AIR TERMINAL** **FINDS** **1000708643**
SE **2400 W WASHINGTON AVE** **RCRA-NonGen** **WAD988473120**
1/8-1/4 **YAKIMA, WA 98903**
0.227 mi.
1197 ft. **Site 4 of 6 in cluster D**

Relative:
Lower

Actual:
1068 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110005352947

Not reported

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

RCRA-NonGen:

Date form received by agency:	05/03/1997
Facility name:	HORIZON AIR YAKIMA AIR TERMINAL
Facility address:	2400 W WASHINGTON AVE YAKIMA, WA 989031134
EPA ID:	WAD988473120
Contact:	BOB CLEM
Contact address:	2400 W WASHINGTON AVE YAKIMA, WA 98903-1134
Contact country:	US
Contact telephone:	(509)575-6149
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HORIZON AIR INDUSTRIES INC
Owner/operator address:	2400 W WASHINGTON AVE YAKIMA, WA 98903
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1997
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

HORIZON AIR YAKIMA AIR TERMINAL (Continued) **1000708643**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Violation Status: No violations found

D16 **YAKIMA AIR TERMINAL** **ICR** **S104485997**
SE **2400 W. WASHINGTON AVE.** **N/A**
1/8-1/4 **YAKIMA, WA 98903**
0.227 mi.
1198 ft. **Site 5 of 6 in cluster D**

Relative:
Lower

Actual:
1068 ft.

ICR:

Date Ecology Received Report:	05/15/00
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-25
County Code:	39
Contact:	Not reported
Report Title:	Not reported

D17 **YAKIMA AIR TERMINAL** **CSCSL** **U000921579**
SE **2400 W WASHINGTON AVE** **LUST** **N/A**
1/8-1/4 **YAKIMA, WA 98903** **UST**
0.227 mi. **BROWNFIELDS**
1198 ft. **Site 6 of 6 in cluster D**

Relative:
Lower

Actual:
1068 ft.

CSCSL:

Facility ID:	1137597
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	2
Entered Date:	7/24/2001
Updated Date:	2/4/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57103
Longitude:	-120.54148
Lat/Long:	46.57103 / -120.54148
Lat/Long (dms):	46 34 15 / 120 32 29

YAKIMA AIR TERMINAL (Continued) **U000921579**

Media Status Desc:	1/1/0001
Affected Media:	Soil
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported

Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Ranked, Awaiting RA

Facility ID:	1137597
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	2
Entered Date:	7/24/2001
Updated Date:	2/4/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57103
Longitude:	-120.54148
Lat/Long:	46.57103 / -120.54148
Lat/Long (dms):	46 34 15 / 120 32 29
Media Status Desc:	1/1/0001
Affected Media:	Groundwater
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported

YAKIMA AIR TERMINAL (Continued) **U000921579**

Responsible Unit: CENTRAL
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported
Dioxin: Not reported
Non-Halogenated Solvents: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tibutyl Tin Contaminant Group: Not reported
Bioassay/Benthic Failures Contaminant Group: Not reported
Wood Debris Contaminant Group: Not reported
Other Deleterious Substance Group: Not reported
Ecology Site Status (MTCA cleanup process): Ranked, Awaiting RA

LUST:
FS ID: 1137597
Facility ID: 6113
Facility Status: Cleanup Started
Release ID: 532620
Affected Media: Ground Water
Alternate Name: Not reported
Release Notification Date: 5/15/2000
Release Status Date: 7/8/1996
Site Response Unit Code: CENTRAL
Lat/Long: 46.57103 / -120.54148

FS ID: 1137597
Facility ID: 6113
Facility Status: Unknown
Release ID: 3437
Affected Media: Soil
Alternate Name: CORPORATE AIRCRAFT HANGAR/INTERWEST
Release Notification Date: 1/16/1992
Release Status Date: 6/1/1995
Site Response Unit Code: CENTRAL
Lat/Long: 46.57103 / -120.54148

FS ID: 1137597
Facility ID: 6113
Facility Status: Awaiting Cleanup
Release ID: 532620
Affected Media: Ground Water
Alternate Name: Not reported
Release Notification Date: 5/15/2000
Release Status Date: 7/8/1996
Site Response Unit Code: CENTRAL
Lat/Long: 46.57103 / -120.54148

FS ID: 1137597
Facility ID: 6113
Facility Status: Awaiting Cleanup

YAKIMA AIR TERMINAL (Continued) **U000921579**

Release ID: 532620
Affected Media: Soil
Alternate Name: Not reported
Release Notification Date: 5/15/2000
Release Status Date: 7/8/1996
Site Response Unit Code: CENTRAL
Lat/Long: 46.57103 / -120.54148

FS ID: 1137597
Facility ID: 6113
Facility Status: Cleanup Started
Release ID: 3437
Affected Media: Soil
Alternate Name: CORPORATE AIRCRAFT HANGAR/INTERWEST
Release Notification Date: 1/16/1992
Release Status Date: 2/27/2002
Site Response Unit Code: CENTRAL
Lat/Long: 46.57103 / -120.54148

FS ID: 1137597
Facility ID: 6113
Facility Status: Cleanup Started
Release ID: 532620
Affected Media: Soil
Alternate Name: Not reported
Release Notification Date: 5/15/2000
Release Status Date: 7/8/1996
Site Response Unit Code: CENTRAL
Lat/Long: 46.57103 / -120.54148

UST:
Facility ID: 1137597
Site ID: 6113
Lat Deg: 46
Lat Min: 34
Lat Sec: 15
Long Deg: 120
Long Min: 32
Long Sec: 29
UBI: 6004716740010001
Phone Number: 5095756149

Tank ID: 18638
Tank Name: 5
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 8/26/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported

YAKIMA AIR TERMINAL (Continued) **U000921579**

Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	18670
Tank Name:	9
Install Date:	12/31/1964
Capacity:	10,000 to 19,999 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	18695
Tank Name:	1
Install Date:	10/15/1982
Capacity:	1,101 to 2,000 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	10/31/1995
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Not reported

YAKIMA AIR TERMINAL (Continued) **U000921579**

Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	None
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Suction
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	1/25/1996
Tag Number:	Not reported

Tank ID:	18721
Tank Name:	3
Install Date:	12/31/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	10/31/1995
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	1/1/1993
Tag Number:	Not reported

Tank ID:	18742
Tank Name:	7
Install Date:	12/31/1964
Capacity:	1,101 to 2,000 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	10/31/1995
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported

YAKIMA AIR TERMINAL (Continued) **U000921579**

Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	18801
Tank Name:	6
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	10/31/1995
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	1/1/1993
Tag Number:	Not reported

Tank ID:	18828
Tank Name:	2
Install Date:	10/15/1982
Capacity:	1,101 to 2,000 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	10/31/1995
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	None

YAKIMA AIR TERMINAL (Continued) **U000921579**

Tank Overfill Prevention:	None
Tank Material:	Not reported
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	None
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Suction
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	1/25/1996
Tag Number:	Not reported

Tank ID:	18855
Tank Name:	4
Install Date:	12/31/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	10/31/1995
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	1/1/1993
Tag Number:	Not reported

Tank ID:	18886
Tank Name:	8
Install Date:	12/31/1964
Capacity:	10,000 to 19,999 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported

YAKIMA AIR TERMINAL (Continued) **U000921579**

Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

BROWNFIELDS:

Facilty ID:	1137597
Rank:	2
Site Manager:	BASSETT, DICK
Voluntary Cleanup:	FALSE
NFA Decision:	FALSE
Ecology Status:	Ranked, Awaiting RA
Lat/Longitude:	46.571 / -120.541

E18 **YAKIMA CITY AIRPORT** **CSCSL** **1007073421**
ESE **2300 W WASHINGTON AVE** **FINDS** **N/A**
1/4-1/2 **YAKIMA, WA 98903** **BROWNFIELDS**
0.289 mi.
1527 ft. **Site 1 of 2 in cluster E**

Relative:
Lower

Actual:
1065 ft.

CSCSL:

Facility ID:	27389546
Facility Type:	Independent
Region:	Central
Ecology Status Code:	1
Entered Date:	7/31/2006
Updated Date:	2/4/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.571
Longitude:	-120.54172
Lat/Long:	46.571 / -120.54172
Lat/Long (dms):	46 34 15 / 120 32 30
Media Status Desc:	7/31/2006
Affected Media:	Soil
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported

YAKIMA CITY AIRPORT (Continued) **1007073421**

Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Awaiting SHA

Facility ID:	27389546
Facility Type:	Independent
Region:	Central
Ecology Status Code:	1
Entered Date:	7/31/2006
Updated Date:	2/4/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.571
Longitude:	-120.54172
Lat/Long:	46.571 / -120.54172
Lat/Long (dms):	46 34 15 / 120 32 30
Media Status Desc:	1/1/0001
Affected Media:	Groundwater
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported

YAKIMA CITY AIRPORT (Continued) **1007073421**

Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Awaiting SHA

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110015500554

Not reported

BROWNFIELDS:

Facilty ID:	27389546
Rank:	2
Site Manager:	BASSETT, DICK
Voluntary Cleanup:	FALSE
NFA Decision:	FALSE
Ecology Status:	Awaiting SHA
Lat/Longitude:	46.571 / -120.542

E19 **YAKIMA CITY AIRPORT** **LUST U001123532**
ESE **2300 W WASHINGTON AVE** **UST N/A**
1/4-1/2 **YAKIMA, WA 98903**
0.291 mi.
1534 ft. **Site 2 of 2 in cluster E**

Relative:
Lower

Actual:
1065 ft.

LUST:

FS ID:	27389546
Facility ID:	4244
Facility Status:	Awaiting Cleanup
Release ID:	532602
Affected Media:	Ground Water
Alternate Name:	Not reported
Release Notification Date:	2/8/1996
Release Status Date:	2/8/1996
Site Response Unit Code:	CENTRAL
Lat/Long:	46.571 / -120.54172

FS ID:	27389546
Facility ID:	4244
Facility Status:	Awaiting Cleanup
Release ID:	532602
Affected Media:	Soil
Alternate Name:	Not reported
Release Notification Date:	2/8/1996
Release Status Date:	2/8/1996
Site Response Unit Code:	CENTRAL

YAKIMA CITY AIRPORT (Continued) **U001123532**

Lat/Long: 46.571 / -120.54172

FS ID: 27389546
Facility ID: 4244
Facility Status: Cleanup Started
Release ID: 532602
Affected Media: Ground Water
Alternate Name: Not reported
Release Notification Date: 2/8/1996
Release Status Date: 2/8/1996
Site Response Unit Code: CENTRAL
Lat/Long: 46.571 / -120.54172

FS ID: 27389546
Facility ID: 4244
Facility Status: Cleanup Started
Release ID: 532602
Affected Media: Soil
Alternate Name: Not reported
Release Notification Date: 2/8/1996
Release Status Date: 2/8/1996
Site Response Unit Code: CENTRAL
Lat/Long: 46.571 / -120.54172

UST:
Facility ID: 27389546
Site ID: 4244
Lat Deg: 46
Lat Min: 34
Lat Sec: 15
Long Deg: 120
Long Min: 32
Long Sec: 30
UBI: Not reported
Phone Number: 5095756149

Tank ID: 11376
Tank Name: 3
Install Date: 12/31/1964
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 9/12/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Steel
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported

YAKIMA CITY AIRPORT (Continued) **U001123532**

Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	11435
Tank Name:	1
Install Date:	12/31/1964
Capacity:	5,000 to 9,999 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	11621
Tank Name:	2
Install Date:	12/31/1964
Capacity:	5,000 to 9,999 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	9/12/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported

YAKIMA CITY AIRPORT (Continued) **U001123532**

Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

F20 **WAYNE G TURNER AIRCRAFT SERVICE INC** **CSCSL** **1007073508**
ESE **2008 W WASHINGTON AVE** **FINDS** **N/A**
1/4-1/2 **YAKIMA, WA 98903** **LUST**
0.446 mi. **BROWNFIELDS**
2356 ft. **Site 1 of 3 in cluster F**

Relative:
Lower

Actual:
1057 ft.

CSCSL:
Facility ID: 26698574
Facility Type: Not reported
Region: Central
Ecology Status Code: 1
Entered Date: 7/31/2006
Updated Date: 2/4/2009
Brownfield Status: 1
Rank Status: 3
PSI Status: Not reported
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 46.57073
Longitude: -120.5358
Lat/Long: 46.57073 / -120.5358
Lat/Long (dms): 46 34 14 / 120 32 8
Media Status Desc: 7/31/2006
Affected Media: Soil
Affected Media Status: Confirmed
Pesticides: Not reported
Petroleum Products: Confirmed
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: CENTRAL
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported
Dioxin: Not reported
Non-Halogenated Solvents: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tibutyl Tin Contaminant Group: Not reported
Bioassay/Benthic Failures Contaminant Group: Not reported

WAYNE G TURNER AIRCRAFT SERVICE INC (Continued) **1007073508**

Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Awaiting SHA

Facility ID:	26698574
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	1
Entered Date:	7/31/2006
Updated Date:	2/4/2009
Brownfield Status:	1
Rank Status:	3
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57073
Longitude:	-120.5358
Lat/Long:	46.57073 / -120.5358
Lat/Long (dms):	46 34 14 / 120 32 8
Media Status Desc:	1/1/0001
Affected Media:	Groundwater
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported

Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Awaiting SHA

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110015501429

Not reported

WAYNE G TURNER AIRCRAFT SERVICE INC (Continued) **1007073508**

LUST:

FS ID:	26698574
Facility ID:	11546
Facility Status:	Cleanup Started
Release ID:	532611
Affected Media:	Soil
Alternate Name:	YAKIMA AIR TERMINAL
Release Notification Date:	5/15/2000
Release Status Date:	7/8/1996
Site Response Unit Code:	CENTRAL
Lat/Long:	46.57073 / -120.5358

FS ID:	26698574
Facility ID:	11546
Facility Status:	Awaiting Cleanup
Release ID:	532611
Affected Media:	Soil
Alternate Name:	YAKIMA AIR TERMINAL
Release Notification Date:	5/15/2000
Release Status Date:	7/8/1996
Site Response Unit Code:	CENTRAL
Lat/Long:	46.57073 / -120.5358

FS ID:	26698574
Facility ID:	11546
Facility Status:	Awaiting Cleanup
Release ID:	532611
Affected Media:	Ground Water
Alternate Name:	YAKIMA AIR TERMINAL
Release Notification Date:	5/15/2000
Release Status Date:	7/8/1996
Site Response Unit Code:	CENTRAL
Lat/Long:	46.57073 / -120.5358

FS ID:	26698574
Facility ID:	11546
Facility Status:	Cleanup Started
Release ID:	532611
Affected Media:	Ground Water
Alternate Name:	YAKIMA AIR TERMINAL
Release Notification Date:	5/15/2000
Release Status Date:	7/8/1996
Site Response Unit Code:	CENTRAL
Lat/Long:	46.57073 / -120.5358

BROWNFIELDS:

Facilty ID:	26698574
Rank:	3
Site Manager:	BASSETT, DICK
Voluntary Cleanup:	FALSE
NFA Decision:	FALSE
Ecology Status:	Awaiting SHA
Lat/Longitude:	46.571 / -120.536

F21
ESE
1/4-1/2
0.446 mi.
2356 ft.

YAKIMA AIR TERMINAL
2008 W. WASHINGTON AVE.
YAKIMA, WA 98903

Site 2 of 3 in cluster F

ICR **S104485996**
N/A

Relative:
Lower

Actual:
1057 ft.

ICR:

Date Ecology Received Report:	05/15/00
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	98-25
County Code:	39
Contact:	Not reported
Report Title:	Not reported

F22
ESE
1/4-1/2
0.459 mi.
2425 ft.

J.M. PERRY TECHNICAL INSTITUTE
2011 W. WASHINGTON
YAKIMA, WA 98902

Site 3 of 3 in cluster F

ICR **S104486949**
N/A

Relative:
Lower

Actual:
1057 ft.

ICR:

Date Ecology Received Report:	10/11/93
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	Central
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-16
County Code:	39
Contact:	Not reported
Report Title:	Not reported

23
WNW
1/4-1/2
0.470 mi.
2484 ft.

WESTERN RECREATIONAL VEHICLES INC
3401 WEST WASHINGTON AVENUE
YAKIMA, WA 98903

RCRA-SQG **1000403325**
FINDS **WAD053821492**
UST
CSCSL NFA
MANIFEST
AIRS
ICR

Relative:
Higher

Actual:
1093 ft.

RCRA-SQG:

Date form received by agency:	02/29/2008
Facility name:	WESTERN RECREATIONAL VEHICLES INC
Facility address:	3401 W WASHINGTON AVE YAKIMA, WA 989031138
EPA ID:	WAD053821492
Mailing address:	2900 SUTHERLAND PARK DRIVE UNION GAP, WA 98909
Contact:	SANDRA S SWEEDEN
Contact address:	2900 SUTHERLAND PARK DRIVE UNION GAP, WA 98909
Contact country:	US
Contact telephone:	(509)457-4133
Contact email:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

EPA Region: 10
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: WESTERN RECREATIONAL VEHICLE
Owner/operator address: 2900 SUTHERLAND PARK DRIVE
UNION GAP, WA 98909
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/19/1999
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Yes

Historical Generators:
Date form received by agency: 12/31/2005
Facility name: WESTERN RECREATIONAL VEHICLES INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2003
Facility name: WESTERN RECREATIONAL VEHICLES INC
Classification: Large Quantity Generator

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Date form received by agency: 01/12/1994
Facility name: WESTERN RECREATIONAL VEHICLES INC
Site name: WESTERN RECREATIONAL VEHICLES
Classification: Large Quantity Generator

Date form received by agency: 09/01/1993
Facility name: WESTERN RECREATIONAL VEHICLES INC
Site name: WESTERN RECREATIONAL VEHICLES
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 05/30/2006
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/19/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 05/30/2006
Date achieved compliance: 06/01/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/19/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 05/30/2006
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/19/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/30/2006
Date achieved compliance: 06/13/2006

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/19/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 05/30/2006
Date achieved compliance: 06/01/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/19/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 05/30/2006
Date achieved compliance: 07/19/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/19/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 05/30/2006
Date achieved compliance: 06/13/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/18/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 07/19/2006
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 06/01/2006

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 06/13/2006
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/13/2006
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 06/13/2006
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 07/19/2006
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 06/13/2006
Evaluation lead agency: State

Evaluation date: 05/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 06/01/2006
Evaluation lead agency: State

Evaluation date: 08/30/2001
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110000491227

Not reported

AFS (Aerometric Information Retrieval System (AIRS) Facility

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

UST:

Facility ID:	46666512
Site ID:	6600
Lat Deg:	46
Lat Min:	34
Lat Sec:	28
Long Deg:	120
Long Min:	33
Long Sec:	21
UBI:	Not reported
Phone Number:	5094574133
Tank ID:	32117
Tank Name:	2
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	32190
Tank Name:	1
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	32308
Tank Name:	3
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Tank Corrosion Protection: Not reported
Pipe Material: Steel
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

CSCSL NFA:
Facility/Site Id: 46666512
NFA Type: NFA after assessment, IRAP, or VCP
NFA Date: 7/13/2006
Rank: Not reported
Alternate Name: Alternate Names: WESTERN RECREATION VEHICLES INC , WESTERN RECREATIONAL VEHICLES, , WESTERN RECREATIONAL VEHICLES YAK

WA MANIFEST:
Facility Site ID Number: 46666512
Permit by Rule: FALSE
Treatment by Generator: FALSE
Mixed radioactive waste: FALSE
Importer of hazardous waste: FALSE
Immediate recycler: FALSE
Treatment/Storage/Disposal/Recycling Facility: FALSE
Generator of dangerous fuel waste: FALSE
Generator marketing to burner: FALSE
"Other marketers (i.e., blender, distributor, etc.)": FALSE
Utility boiler burner: FALSE
Industry boiler burner: FALSE
Industrial Furnace: FALSE
Smelter defferal: FALSE
Universal waste - batteries - generate: FALSE
Universal waste - thermostats - generate: FALSE
Universal waste - mercury - generate: FALSE
Universal waste - lamps - generate: FALSE
Universal waste - batteries - accumulate: FALSE
Universal waste - thermostats - accumulate: FALSE
Universal waste - mercury - accumulate: FALSE
Universal waste - lamps - accumulate: FALSE
Destination Facility for Universal Waste: FALSE
Off-specification used oil burner - utility boiler: FALSE
Off-specification used oil burner - industrial boiler: FALSE
Off-specification used oil burner - industrial furnace: FALSE
EPA ID: WAD053821492
Facility Address 2: Not reported
TAX REG NBR: 600092987
NAICS CD: 336214
BUSINESS TYPE: Not reported
MAIL NAME: Western Recreational Vehicles Inc
MAIL ADDR LINE1: PO Box 9547
MAIL CITY,ST,ZIP: YAKIMA, WA 98909-0547
MAIL COUNTRY: UNITED STATES

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

LEGAL ORG NAME:	Western Recreational Vehicles Inc
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO Box 9547
LEGAL CITY,ST,ZIP:	YAKIMA, WA 98908-1587
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(509)965-6457
LEGAL EFFECTIVE DATE:	8/26/1996
LAND ORG NAME:	Recreational Holdings
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	311 N 4th St
LAND CITY,ST,ZIP:	YAKIMA, WA 98907
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	(509)966-0721
OPERATOR ORG NAME:	Not reported
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	PO Box 9547
OPERATOR CITY,ST,ZIP:	YAKIMA, WA 98908-1587
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(509)965-6457
OPERATOR EFFECTIVE DATE:	8/26/1996
SITE CONTACT NAME:	Greg Knoebel
SITE CONTACT ADDR LINE1:	PO Box 9547
SITE CONTACT ZIP:	YAKIMA, WA 98903
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(509)457-4133, ext 220
SITE CONTACT EMAIL:	GKNOEBEL@WRV.COM
FORM CONTACT NAME:	Greg Knoebel
FORM CONTACT ADDR LINE1:	PO Box 9547
FORM CONTACT CITY,ST,ZIP:	YAKIMA, WA 98903
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	(509)457-4133,ext 220
FORM CONTACT EMAIL:	GKNOEBEL@WRV.COM
GEN STATUS CD:	MQG
MONTHLY GENERATION:	TRUE
BATCH GENERATION:	FALSE
ONE TIME GENERATION:	FALSE
TRANSPORTS OWN WASTE:	FALSE
TRANSPORTS OTHRS WASTE:	FALSE
RECYCLER ONSITE:	FALSE
TRANSFER FACILITY:	FALSE
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	FALSE
USED OIL TRANSPORTER:	FALSE
USED OIL TRANSFER FACLTY:	FALSE
USED OIL PROCESSOR:	FALSE
USED OIL REREFINER:	FALSE
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	FALSE
USED OIL FUEL MRKTR MEETS SPECS:	FALSE

Facility Site ID Number:	46666512
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	True
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False
Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAD053821492
Facility Address 2:	Not reported
TAX REG NBR:	600092987
NAICS CD:	336214
BUSINESS TYPE:	Not reported
MAIL NAME:	Western Recreational Vehicles Inc
MAIL ADDR LINE1:	2900 Sutherland Park Drive
MAIL CITY,ST,ZIP:	Union Gap, WA 98909
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Western Recreational Vehicles Inc
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	2900 Sutherland Park Drive
LEGAL CITY,ST,ZIP:	Union Gap, WA 98903
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(509)457-4133
LEGAL EFFECTIVE DATE:	1/15/1999
LAND ORG NAME:	Benaroya Companies
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	1100 Olive Way
LAND ADDR LINE2:	Suite 1700
LAND CITY,ST,ZIP:	Seattle, WA 98101
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	(206)343-4750
OPERATOR ORG NAME:	Western Recreational Vehicle
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	2900 Sutherland Park Drive
OPERATOR CITY,ST,ZIP:	Union Gap, WA 98903
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(509)457-4133
OPERATOR EFFECTIVE DATE:	01/19/99
SITE CONTACT NAME:	Sandra S Sweeden
SITE CONTACT ADDR LINE1:	2900 Sutherland Park Drive
SITE CONTACT ZIP:	Union Gap, WA 98903
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(509)457-4133
SITE CONTACT EMAIL:	ssweeden@WRV.COM
FORM CONTACT NAME:	Beth F Hodgson

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

FORM CONTACT ADDR LINE1:	Spring Environmental, Inc.
FORM CONTACT ADDR LINE2:	1011 N. Cedar Street
FORM CONTACT CITY,ST,ZIP:	Spokane, WA 99201
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	(509)328-7500
FORM CONTACT EMAIL:	beth@springenvironmental.com
GEN STATUS CD:	MQG
MONTHLY GENERATION:	True
BATCH GENERATION:	False
ONE TIME GENERATION:	False
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	True
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False
USED OIL PROCESSOR:	False
USED OIL REREFINER:	False
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	False
USED OIL FUEL MRKTR MEETS SPECS:	False

Facility Site ID Number:	46666512
Permit by Rule:	No
Treatment by Generator:	No
Mixed radioactive waste:	No
Importer of hazardous waste:	No
Immediate recycler:	No
Treatment/Storage/Disposal/Recycling Facility:	No
Generator of dangerous fuel waste:	No
Generator marketing to burner:	No
"Other marketers (i.e., blender, distributor, etc.)":	No
Utility boiler burner:	No
Industry boiler burner:	No
Industrial Furnace:	No
Smelter defferal:	No
Universal waste - batteries - generate:	No
Universal waste - thermostats - generate:	No
Universal waste - mercury - generate:	No
Universal waste - lamps - generate:	No
Universal waste - batteries - accumulate:	No
Universal waste - thermostats - accumulate:	No
Universal waste - mercury - accumulate:	No
Universal waste - lamps - accumulate:	No
Destination Facility for Universal Waste:	No
Off-specification used oil burner - utility boiler:	No
Off-specification used oil burner - industrial boiler:	No
Off-specification used oil burner - industrial furnace:	No
EPA ID:	WAD053821492
Facility Address 2:	Not reported
TAX REG NBR:	600092987
NAICS CD:	336214
BUSINESS TYPE:	Not reported
MAIL NAME:	Western Recreational Vehicles Inc
MAIL ADDR LINE1:	PO Box 9547
MAIL CITY,ST,ZIP:	YAKIMA, WA 98909-0547

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	Western Recreational Vehicles Inc
LEGAL ORG TYPE:	Private
LEGAL ADDR LINE1:	PO Box 9547
LEGAL CITY,ST,ZIP:	YAKIMA, WA 98908-1587
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(509)965-6457
LEGAL EFFECTIVE DATE:	8/26/1996
LAND ORG NAME:	Recreational Holdings
LAND ORG TYPE:	Private
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	311 N 4th St
LAND CITY,ST,ZIP:	YAKIMA, WA 98907
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	(509)966-0721
OPERATOR ORG NAME:	Not reported
OPERATOR ORG TYPE:	Private
OPERATOR ADDR LINE1:	PO Box 9547
OPERATOR CITY,ST,ZIP:	YAKIMA, WA 98908-1587
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(509)965-6457
OPERATOR EFFECTIVE DATE:	8/26/1996
SITE CONTACT NAME:	Greg Knoebel
SITE CONTACT ADDR LINE1:	PO Box 9547
SITE CONTACT ZIP:	YAKIMA, WA 98903
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(509)457-4133 ext 220
SITE CONTACT EMAIL:	GKNOEBEL@WRV.COM
FORM CONTACT NAME:	Greg Knoebel
FORM CONTACT ADDR LINE1:	PO Box 9547
FORM CONTACT CITY,ST,ZIP:	YAKIMA, WA 98903
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	(509)457-4133ext 220
FORM CONTACT EMAIL:	GKNOEBEL@WRV.COM
GEN STATUS CD:	MQG
MONTHLY GENERATION:	Yes
BATCH GENERATION:	No
ONE TIME GENERATION:	No
TRANSPORTS OWN WASTE:	No
TRANSPORTS OTHRS WASTE:	No
RECYCLER ONSITE:	Yes
TRANSFER FACILITY:	No
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	No
USED OIL TRANSPORTER:	No
USED OIL TRANSFER FACLTY:	No
USED OIL PROCESSOR:	No
USED OIL REREFINER:	No
USED OIL FUEL MRKTR DIRECTS SHPMNTS:	No
USED OIL FUEL MRKTR MEETS SPECS:	No

AIRS (EMI):

Facility ID:	Not reported
Ecolgy Fac ID:	46666512
Local ID:	Not reported
County Code:	Not reported
Facility type:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Local Air Agency ID:	G
Fed County Code:	077
Source Number:	0060
Process ID:	01
Year Of Info:	2000
Contact Name:	GREG KNOEBEL
Contact Phone:	(509)457-4133
Contact Fax:	(509)457-8184
Contact E-mail:	gknoebel@wrv.com
Mailing Name:	WESTERN RV
Mailing Address:	PO BOX 9547
Mailing City,St,Zip:	YAKIMA, WA 98909
Tot Suspended Partclte Emissions Estmn Code:	Not reported
PM10 Nonattainment Area:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
NO2 Chemical:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
CO Nonattainment Area:	Not reported
Univsl Business ID:	Not reported
Boilers Design Capacity At A Point:	Not reported
% Of Ops Occuring During Qtr Jan-Mar:	Not reported
% Of Ops Occuring During Qtr Dec-Feb:	21
% Of Ops Occuring During Qtr Apr-Jun:	Not reported
% Of Ops Occuring During Qtr Mar-May:	24
% Of Ops Occuring During Qtr Jun-Aug:	31
% Of Ops Occuring During Qtr Jul-Sep:	Not reported
% Of Ops Occuring During Qtr Sep-Nov:	24
% Of Ops Occuring During Qtr Oct-Dec:	Not reported
# Of Hours Facility Operates Each Day:	10
# Of Days Facility Operates Each Week:	4
# Of Weeks Facility Operates Each Year:	52
Exit Temp Of A Stack Or Vent:	Not reported
% Wtr In Stack / Vent Exhaust:	Not reported
Height Of Stack:	Not reported
Diameter Of Stack:	Not reported
Air Flow From A Vent Or Stack:	Not reported
% Oxygen In Stack / Vent Exhaust:	Not reported
Vertical Dist Exhaust Travels From Stack/vent Outlet:	Not reported
SCC Process Desc:	31499999
EPA Code For Throughput Unit Of Measure:	TON
EPA Mat Code For Throughput At Each Process:	189
EPA Code For Mat Throput Fate Desc/input/output/existing:	I
Description Of Material:	Material
Annual Qty Of Throughput Mat:	243
Maximum Rate/amount Of Annual Throughput:	Not reported
% Of Sulfur In Fuels:	Not reported
% Of Ash In Fuels:	Not reported
Emission Unit Output Threshhold:	Not reported
Facility's Throughput Data Confidential:	No
Tot Suspended Partclt Emissn Tons/Year:	Not reported
Tot Suspended Partclte Emissions Estmn Code:	Not reported
Pri Particulate Matter Cntrl Tech Code At Point/Segment:	Not reported
Sec Partciulate Matter Cntrl Tech Code At Point/segment:	Not reported
% Control Of Particulate Matter Emissions:	Not reported
Particulate Matter Emission (?10microns) Tons/Year:	Not reported
Partclte Matter Emission (?10microns) Est Code:	Not reported
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Prtclte Matter (? 10microns) Emisns:	Not reported
Prticlte Matter (?2.5microns)emisins In Tons/Yr:	Not reported
Prticlte Matter Emisn (?2.5microns) Est Code:	Not reported
Pri Ptculate Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
Sec Prticlte Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions:	Not reported
Sulfur Dioxide Emissions Tons/Year:	Not reported
Sulfur Dioxide Emission Estimation Code:	Not reported
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
Nitrous Oxides Emissions In Tons/Yr:	Not reported
Nitrous Oxides Emission Estimation Code:	Not reported
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment:	Not reported
Sec Nitrous Oxide Control Tech Code At Point Segment:	Not reported
% Control Of Nitrous Oxides Emissions:	Not reported
Volatile Organic Compound Emitted Desc:	Not reported
Volatile Organic Compound Emissions In Tons/Year:	Not reported
Voltl Organic Compound Emissions Est Code:	Not reported
Pri Voltl Organic Compound Cntl Tech Code At Pt/seg:	Not reported
Sec Voltle Organic Compound Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
Carbon Monoxide Emissions In Tons/Year:	Not reported
Carbon Monoxide Emission Est Code:	Not reported
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Carbon Monoxide Emissions:	Not reported
Lead Emissions In Tons/Year:	Not reported
Lead Emission Estimation Code:	Not reported
PM10 Nonattainment Area:	Not reported
Ozone Nonattainment Area:	Not reported
CO Nonattainment Area:	Not reported
UTM East:	Not reported
UTM North:	Not reported
UTM Zone:	Not reported
P NH3 Control:	Not reported
NH3 tpy:	Not reported
S NH3 ctrl:	Not reported
NH3 % ctrl:	Not reported
STK ACFS:	Not reported
Plant Name:	WESTERN RV
Plant SIC Code:	3716
Plant NAICS:	Not reported
Plant Lat/Long:	Not reported
Plant Lat/Long (dms):	46 34 10 / 121 33 20
Plant UTM East:	Not reported
Plant UTM North:	Not reported
Plant UTM Zone:	Not reported
Point Process SIC:	3716
Point Num:	01
Point NAICS:	Not reported
Lat/Long:	Not reported
Lat/Long (dms):	46 34 10 / 121 33 20
Point UTM East:	Not reported
Point UTM North:	Not reported
Point UTM Zone:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Point Desc:	MOTORCOACH ASSEMBLY
Point Comments:	Not reported
SCC Process Desc:	op rate=#vehicles produced
Primary Control Device Code for SO2:	Not reported
Secondary Control Device Code for SO2:	Not reported
Insignificant Emissions Unit:	Not reported
Latitude/Longitude:	Not reported
Whether Source Is An AOP(Title V) Source:	Not reported

Facility ID:	Not reported
Ecolgy Fac ID:	46666512
Local ID:	Not reported
County Code:	Not reported
Facility type:	Not reported
Local Air Agency ID:	G
Fed County Code:	077
Source Number:	0060
Process ID:	01
Year Of Info:	2000
Contact Name:	GREG KNOEBEL
Contact Phone:	(509)457-4133
Contact Fax:	(509)457-8184
Contact E-mail:	gknoebel@wrv.com
Mailing Name:	WESTERN RV
Mailing Address:	PO BOX 9547
Mailing City,St,Zip:	YAKIMA, WA 98909
Tot Suspended Partclte Emissions Estmn Code:	Not reported
PM10 Nonattainment Area:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
NO2 Chemical:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
CO Nonattainment Area:	Not reported
Univsl Business ID:	Not reported
Boilers Design Capacity At A Point:	Not reported
% Of Ops Occuring During Qtr Jan-Mar:	Not reported
% Of Ops Occuring During Qtr Dec-Feb:	29
% Of Ops Occuring During Qtr Apr-Jun:	Not reported
% Of Ops Occuring During Qtr Mar-May:	30
% Of Ops Occuring During Qtr Jun-Aug:	18
% Of Ops Occuring During Qtr Jul-Sep:	Not reported
% Of Ops Occuring During Qtr Sep-Nov:	23
% Of Ops Occuring During Qtr Oct-Dec:	Not reported
# Of Hours Facility Operates Each Day:	10
# Of Days Facility Operates Each Week:	4
# Of Weeks Facility Operates Each Year:	52
Exit Temp Of A Stack Or Vent:	Not reported
% Wtr In Stack / Vent Exhaust:	Not reported
Height Of Stack:	Not reported
Diameter Of Stack:	Not reported
Air Flow From A Vent Or Stack:	Not reported
% Oxygen In Stack / Vent Exhaust:	Not reported
Vertical Dist Exhaust Travels From Stack/vent Outlet:	Not reported
SCC Process Desc:	31499999
EPA Code For Throughput Unit Of Measure:	TON
EPA Mat Code For Throughput At Each Process:	189
EPA Code For Mat Throput Fate Desc/input/output/existing:	I
Description Of Material:	Material

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Annual Qty Of Throughput Mat:	Not reported
Maximum Rate/amount Of Annual Throughput:	Not reported
% Of Sulfur In Fuels:	Not reported
% Of Ash In Fuels:	Not reported
Emission Unit Output Threshhold:	Not reported
Facility's Throughput Data Confidential:	No
Tot Suspended Partclt Emissn Tons/Year:	Not reported
Tot Suspended Partclte Emissions Estmn Code:	Not reported
Pri Particulate Matter Cntrl Tech Code At Point/Segment:	Not reported
Sec Partciulate Matter Cntrl Tech Code At Point/segment:	Not reported
% Control Of Particulate Matter Emissions:	Not reported
Particulate Matter Emission (?10microns) Tons/Year:	Not reported
Partclte Matter Emission (?10microns) Est Code:	Not reported
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg:	Not reported
Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Prtclte Matter (? 10microns) Emisns:	Not reported
Prticlte Matter (?2.5microns)emisins In Tons/Yr:	Not reported
Prticlte Matter Emisn (?2.5microns) Est Code:	Not reported
Pri Ptculate Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
Sec Prticlte Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions:	Not reported
Sulfur Dioxide Emissions Tons/Year:	Not reported
Sulfur Dioxide Emission Estimation Code:	Not reported
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
Nitrous Oxides Emissions In Tons/Yr:	Not reported
Nitrous Oxides Emission Estimation Code:	Not reported
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment:	Not reported
Sec Nitrous Oxide Control Tech Code At Point Segment:	Not reported
% Control Of Nitrous Oxides Emissions:	Not reported
Volatile Organic Compound Emitted Desc:	Not reported
Volatile Organic Compound Emissions In Tons/Year:	Not reported
Voltl Organic Compound Emissions Est Code:	Not reported
Pri Voltl Organic Compound Cntl Tech Code At Pt/seg:	Not reported
Sec Voltle Organic Compound Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
Carbon Monoxide Emissions In Tons/Year:	Not reported
Carbon Monoxide Emission Est Code:	Not reported
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Carbon Monoxide Emissions:	Not reported
Lead Emissions In Tons/Year:	Not reported
Lead Emission Estimation Code:	Not reported
PM10 Nonattainment Area:	Not reported
Ozone Nonattainment Area:	Not reported
CO Nonattainment Area:	Not reported
UTM East:	Not reported
UTM North:	Not reported
UTM Zone:	Not reported
P NH3 Control:	Not reported
NH3 tpy:	Not reported
S NH3 ctrl:	Not reported
NH3 % ctrl:	Not reported
STK ACFS:	Not reported
Plant Name:	WESTERN RV
Plant SIC Code:	3716

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Plant NAICS:	Not reported
Plant Lat/Long:	Not reported
Plant Lat/Long (dms):	46 34 10 / 121 33 20
Plant UTM East:	Not reported
Plant UTM North:	Not reported
Plant UTM Zone:	Not reported
Point Process SIC:	3716
Point Num:	02
Point NAICS:	Not reported
Lat/Long:	Not reported
Lat/Long (dms):	46 34 10 / 121 33 20
Point UTM East:	Not reported
Point UTM North:	Not reported
Point UTM Zone:	Not reported
Point Desc:	TOWABLES - ASSEMBLY
Point Comments:	CAMPERS AND FIFTH-WHEELS
SCC Process Desc:	Not reported
Primary Control Device Code for SO2:	Not reported
Secondary Control Device Code for SO2:	Not reported
Insignificant Emissions Unit:	Not reported
Latitude/Longitude:	Not reported
Whether Source Is An AOP(Title V) Source:	Not reported

Facility ID:	Not reported
Ecolgy Fac ID:	46666512
Local ID:	Not reported
County Code:	Not reported
Facility type:	Not reported
Local Air Agency ID:	G
Fed County Code:	077
Source Number:	0060
Process ID:	01
Year Of Info:	2000
Contact Name:	GREG KNOEBEL
Contact Phone:	(509)457-4133
Contact Fax:	(509)457-8184
Contact E-mail:	gknoebel@wrv.com
Mailing Name:	WESTERN RV
Mailing Address:	PO BOX 9547
Mailing City,St,Zip:	YAKIMA, WA 98909
Tot Suspended Partclte Emissions Estmn Code:	Not reported
PM10 Nonattainment Area:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
NO2 Chemical:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
CO Nonattainment Area:	Not reported
Univsl Business ID:	Not reported
Boilers Design Capacity At A Point:	Not reported
% Of Ops Occuring During Qtr Jan-Mar:	Not reported
% Of Ops Occuring During Qtr Dec-Feb:	25
% Of Ops Occuring During Qtr Apr-Jun:	Not reported
% Of Ops Occuring During Qtr Mar-May:	29
% Of Ops Occuring During Qtr Jun-Aug:	25
% Of Ops Occuring During Qtr Jul-Sep:	Not reported
% Of Ops Occuring During Qtr Sep-Nov:	21
% Of Ops Occuring During Qtr Oct-Dec:	Not reported
# Of Hours Facility Operates Each Day:	10

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

# Of Days Facility Operates Each Week:	4
# Of Weeks Facility Operates Each Year:	52
Exit Temp Of A Stack Or Vent:	Not reported
% Wtr In Stack / Vent Exhaust:	Not reported
Height Of Stack:	Not reported
Diameter Of Stack:	Not reported
Air Flow From A Vent Or Stack:	Not reported
% Oxygen In Stack / Vent Exhaust:	Not reported
Vertical Dist Exhaust Travels From Stack/vent Outlet:	Not reported
SCC Process Desc:	31499999
EPA Code For Throughput Unit Of Measure:	TON
EPA Mat Code For Throughput At Each Process:	189
EPA Code For Mat Throput Fate Desc/input/output/existing:	I
Description Of Material:	Material
Annual Qty Of Throughput Mat:	Not reported
Maximum Rate/amount Of Annual Throughput:	Not reported
% Of Sulfur In Fuels:	Not reported
% Of Ash In Fuels:	Not reported
Emission Unit Output Threshhold:	Not reported
Facility's Throughput Data Confidential:	No
Tot Suspended Partclt Emissn Tons/Year:	Not reported
Tot Suspended Partclte Emissions Estmn Code:	3
Pri Particulate Matter Cntrl Tech Code At Point/Segment:	Not reported
Sec Partciulate Matter Cntrl Tech Code At Point/segment:	Not reported
% Control Of Particulate Matter Emissions:	Not reported
Particulate Matter Emission (?10microns) Tons/Year:	Not reported
Partclte Matter Emission (?10microns) Est Code:	3
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg:	Not reported
Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Prtclte Matter (? 10microns) Emisns:	Not reported
Prticlte Matter (?2.5microns)emisins In Tons/Yr:	Not reported
Prticlte Matter Emisn (?2.5microns) Est Code:	Not reported
Pri Ptculate Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
Sec Prticlte Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions:	Not reported
Sulfur Dioxide Emissions Tons/Year:	Not reported
Sulfur Dioxide Emission Estimation Code:	Not reported
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
Nitrous Oxides Emissions In Tons/Yr:	Not reported
Nitrous Oxides Emission Estimation Code:	Not reported
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment:	Not reported
Sec Nitrous Oxide Control Tech Code At Point Segment:	Not reported
% Control Of Nitrous Oxides Emissions:	Not reported
Volatile Organic Compound Emitted Desc:	Not reported
Volatile Organic Compound Emissions In Tons/Year:	Not reported
Voltl Organic Compound Emissions Est Code:	Not reported
Pri Voltl Organic Compound Cntl Tech Code At Pt/seg:	Not reported
Sec Voltle Organic Compound Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
Carbon Monoxide Emissions In Tons/Year:	Not reported
Carbon Monoxide Emission Est Code:	Not reported
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Carbon Monoxide Emissions:	Not reported
Lead Emissions In Tons/Year:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Lead Emission Estimation Code:	Not reported
PM10 Nonattainment Area:	Not reported
Ozone Nonattainment Area:	Not reported
CO Nonattainment Area:	Not reported
UTM East:	Not reported
UTM North:	Not reported
UTM Zone:	Not reported
P NH3 Control:	Not reported
NH3 tpy:	Not reported
S NH3 ctrl:	Not reported
NH3 % ctrl:	Not reported
STK ACFS:	Not reported
Plant Name:	WESTERN RV
Plant SIC Code:	3716
Plant NAICS:	Not reported
Plant Lat/Long:	Not reported
Plant Lat/Long (dms):	46 34 10 / 121 33 20
Plant UTM East:	Not reported
Plant UTM North:	Not reported
Plant UTM Zone:	Not reported
Point Process SIC:	3716
Point Num:	03
Point NAICS:	Not reported
Lat/Long:	Not reported
Lat/Long (dms):	46 34 10 / 121 33 20
Point UTM East:	Not reported
Point UTM North:	Not reported
Point UTM Zone:	Not reported
Point Desc:	WOODWORKING
Point Comments:	Not reported
SCC Process Desc:	BLDG F
Primary Control Device Code for SO2:	Not reported
Secondary Control Device Code for SO2:	Not reported
Insignificant Emissions Unit:	Not reported
Latitude/Longitude:	Not reported
Whether Source Is An AOP(Title V) Source:	Not reported

Facility ID:	Not reported
Ecolgy Fac ID:	46666512
Local ID:	Not reported
County Code:	Not reported
Facility type:	Not reported
Local Air Agency ID:	G
Fed County Code:	077
Source Number:	0060
Process ID:	01
Year Of Info:	2000
Contact Name:	GREG KNOEBEL
Contact Phone:	(509)457-4133
Contact Fax:	(509)457-8184
Contact E-mail:	gknoebel@wrv.com
Mailing Name:	WESTERN RV
Mailing Address:	PO BOX 9547
Mailing City,St,Zip:	YAKIMA, WA 98909
Tot Suspended Partclte Emissions Estmn Code:	Not reported
PM10 Nonattainment Area:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

NO2 Chemical:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
CO Nonattainment Area:	Not reported
Univsl Business ID:	Not reported
Boilers Design Capacity At A Point:	Not reported
% Of Ops Occuring During Qtr Jan-Mar:	Not reported
% Of Ops Occuring During Qtr Dec-Feb:	21
% Of Ops Occuring During Qtr Apr-Jun:	Not reported
% Of Ops Occuring During Qtr Mar-May:	24
% Of Ops Occuring During Qtr Jun-Aug:	31
% Of Ops Occuring During Qtr Jul-Sep:	Not reported
% Of Ops Occuring During Qtr Sep-Nov:	24
% Of Ops Occuring During Qtr Oct-Dec:	Not reported
# Of Hours Facility Operates Each Day:	10
# Of Days Facility Operates Each Week:	4
# Of Weeks Facility Operates Each Year:	52
Exit Temp Of A Stack Or Vent:	Not reported
% Wtr In Stack / Vent Exhaust:	Not reported
Height Of Stack:	29
Diameter Of Stack:	2.63
Air Flow From A Vent Or Stack:	4000
% Oxygen In Stack / Vent Exhaust:	Not reported
Vertical Dist Exhaust Travels From Stack/vent Outlet:	Not reported
SCC Process Desc:	31499999
EPA Code For Throughput Unit Of Measure:	TON
EPA Mat Code For Throughput At Each Process:	189
EPA Code For Mat Throput Fate Desc/input/output/existing:	I
Description Of Material:	Material
Annual Qty Of Throughput Mat:	243
Maximum Rate/amount Of Annual Throughput:	Not reported
% Of Sulfur In Fuels:	Not reported
% Of Ash In Fuels:	Not reported
Emission Unit Output Threshhold:	Not reported
Facility's Throughput Data Confidential:	No
Tot Suspended Partclt Emissn Tons/Year:	Not reported
Tot Suspended Partclte Emissions Estmn Code:	3
Pri Particulate Matter Cntrl Tech Code At Point/Segment:	Not reported
Sec Partciulate Matter Cntrl Tech Code At Point/segment:	Not reported
% Control Of Particulate Matter Emissions:	Not reported
Particulate Matter Emission (?10microns) Tons/Year:	Not reported
Partclte Matter Emission (?10microns) Est Code:	3
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg:	Not reported
Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Prtclte Matter (? 10microns) Emisns:	Not reported
Prticlte Matter (?2.5microns)emisins In Tons/Yr:	Not reported
Prticlte Matter Emisn (?2.5microns) Est Code:	Not reported
Pri Ptculate Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
Sec Prticlte Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions:	Not reported
Sulfur Dioxide Emissions Tons/Year:	Not reported
Sulfur Dioxide Emission Estimation Code:	Not reported
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
Nitrous Oxides Emissions In Tons/Yr:	Not reported
Nitrous Oxides Emission Estimation Code:	Not reported
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Sec Nitrous Oxide Control Tech Code At Point Segment: Not reported
% Control Of Nitrous Oxides Emissions: Not reported
Volatile Organic Compound Emitted Desc: Not reported
Volatile Organic Compound Emissions In Tons/Year: Not reported
Voltl Organic Compound Emissions Est Code: Not reported
Pri Voltl Organic Compound Cntl Tech Code At Pt/seg: Not reported
Sec Voltle Organic Compound Cntl Tech Code At Pt/Seg: Not reported
% Cntrl Of Volatile Organic Compound Emissions: Not reported
Carbon Monoxide Emissions In Tons/Year: Not reported
Carbon Monoxide Emission Est Code: Not reported
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg: Not reported
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg: Not reported
% Cntrl Of Carbon Monoxide Emissions: Not reported
Lead Emissions In Tons/Year: Not reported
Lead Emission Estimation Code: Not reported
PM10 Nonattainment Area: Not reported
Ozone Nonattainment Area: Not reported
CO Nonattainment Area: Not reported
UTM East: Not reported
UTM North: Not reported
UTM Zone: Not reported
P NH3 Control: Not reported
NH3 tpy: Not reported
S NH3 ctrl: Not reported
NH3 % ctrl: Not reported
STK ACFS: Not reported
Plant Name: WESTERN RV
Plant SIC Code: 3716
Plant NAICS: Not reported
Plant Lat/Long: Not reported
Plant Lat/Long (dms): 46 34 10 / 121 33 20
Plant UTM East: Not reported
Plant UTM North: Not reported
Plant UTM Zone: Not reported
Point Process SIC: 3716
Point Num: 04
Point NAICS: Not reported
Lat/Long: Not reported
Lat/Long (dms): 46 34 10 / 121 33 20
Point UTM East: Not reported
Point UTM North: Not reported
Point UTM Zone: Not reported
Point Desc: WOODWORKING
Point Comments: Not reported
SCC Process Desc: SUTHERLAND PLANT/op rate=#vehicles produced
Primary Control Device Code for SO2: Not reported
Secondary Control Device Code for SO2: Not reported
Insignificant Emissions Unit: Not reported
Latitude/Longitude: Not reported
Whether Source Is An AOP(Title V) Source: Not reported

Facility ID: Not reported
Ecolgy Fac ID: 46666512
Local ID: Not reported
County Code: Not reported
Facility type: Not reported
Local Air Agency ID: G

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Fed County Code:	077
Source Number:	0060
Process ID:	01
Year Of Info:	2000
Contact Name:	GREG KNOEBEL
Contact Phone:	(509)457-4133
Contact Fax:	(509)457-8184
Contact E-mail:	gknoebel@wrv.com
Mailing Name:	WESTERN RV
Mailing Address:	PO BOX 9547
Mailing City,St,Zip:	YAKIMA, WA 98909
Tot Suspended Partclte Emissions Estmn Code:	Not reported
PM10 Nonattainment Area:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
NO2 Chemical:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
CO Nonattainment Area:	Not reported
Univsl Business ID:	Not reported
Boilers Design Capacity At A Point:	Not reported
% Of Ops Occuring During Qtr Jan-Mar:	Not reported
% Of Ops Occuring During Qtr Dec-Feb:	21
% Of Ops Occuring During Qtr Apr-Jun:	Not reported
% Of Ops Occuring During Qtr Mar-May:	24
% Of Ops Occuring During Qtr Jun-Aug:	31
% Of Ops Occuring During Qtr Jul-Sep:	Not reported
% Of Ops Occuring During Qtr Sep-Nov:	24
% Of Ops Occuring During Qtr Oct-Dec:	Not reported
# Of Hours Facility Operates Each Day:	6
# Of Days Facility Operates Each Week:	4
# Of Weeks Facility Operates Each Year:	52
Exit Temp Of A Stack Or Vent:	80
% Wtr In Stack / Vent Exhaust:	Not reported
Height Of Stack:	31
Diameter Of Stack:	3.33
Air Flow From A Vent Or Stack:	25500
% Oxygen In Stack / Vent Exhaust:	Not reported
Vertical Dist Exhaust Travels From Stack/vent Outlet:	Not reported
SCC Process Desc:	31499999
EPA Code For Throughput Unit Of Measure:	TON
EPA Mat Code For Throughput At Each Process:	189
EPA Code For Mat Throput Fate Desc/input/output/existing:	I
Description Of Material:	Material
Annual Qty Of Throughput Mat:	243
Maximum Rate/amount Of Annual Throughput:	Not reported
% Of Sulfur In Fuels:	Not reported
% Of Ash In Fuels:	Not reported
Emission Unit Output Threshhold:	Not reported
Facility's Throughput Data Confidential:	No
Tot Suspended Partclt Emissn Tons/Year:	Not reported
Tot Suspended Partclte Emissions Estmn Code:	3
Pri Particulate Matter Cntrl Tech Code At Point/Segment:	Not reported
Sec Partciulate Matter Cntrl Tech Code At Point/segment:	Not reported
% Control Of Particulate Matter Emissions:	Not reported
Particulate Matter Emission (?10microns) Tons/Year:	Not reported
Partclte Matter Emission (?10microns) Est Code:	3
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg:	Not reported
Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg:	Not reported

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

% Cntrl Of Prtclte Matter (? 10microns) Emisns:	Not reported
Prticlte Matter (?2.5microns)emisins In Tons/Yr:	Not reported
Prticlte Matter Emisn (?2.5microns) Est Code:	Not reported
Pri Ptculate Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
Sec Prticlte Matter (?2.5microns) Ctl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions:	Not reported
Sulfur Dioxide Emissions Tons/Year:	Not reported
Sulfur Dioxide Emission Estimation Code:	Not reported
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg:	Not reported
% Control Of Sulfur Dioxide Emissions:	Not reported
Nitrous Oxides Emissions In Tons/Yr:	Not reported
Nitrous Oxides Emission Estimation Code:	Not reported
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment:	Not reported
Sec Nitrous Oxide Control Tech Code At Point Segment:	Not reported
% Control Of Nitrous Oxides Emissions:	Not reported
Volatile Organic Compound Emitted Desc:	Not reported
Volatile Organic Compound Emissions In Tons/Year:	19
Voltl Organic Compound Emissions Est Code:	3
Pri Voltl Organic Compound Cntl Tech Code At Pt/seg:	Not reported
Sec Voltle Organic Compound Cntl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Volatile Organic Compound Emissions:	Not reported
Carbon Monoxide Emissions In Tons/Year:	Not reported
Carbon Monoxide Emission Est Code:	Not reported
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg:	Not reported
% Cntrl Of Carbon Monoxide Emissions:	Not reported
Lead Emissions In Tons/Year:	Not reported
Lead Emission Estimation Code:	Not reported
PM10 Nonattainment Area:	Not reported
Ozone Nonattainment Area:	Not reported
CO Nonattainment Area:	Not reported

UTM East:	Not reported
UTM North:	Not reported
UTM Zone:	Not reported
P NH3 Control:	Not reported
NH3 tpy:	Not reported
S NH3 ctrl:	Not reported
NH3 % ctrl:	Not reported
STK ACFS:	Not reported
Plant Name:	WESTERN RV
Plant SIC Code:	3716
Plant NAICS:	Not reported
Plant Lat/Long:	Not reported
Plant Lat/Long (dms):	46 34 10 / 121 33 20
Plant UTM East:	Not reported
Plant UTM North:	Not reported
Plant UTM Zone:	Not reported
Point Process SIC:	3716
Point Num:	05
Point NAICS:	Not reported
Lat/Long:	Not reported
Lat/Long (dms):	46 34 10 / 121 33 20
Point UTM East:	Not reported
Point UTM North:	Not reported
Point UTM Zone:	Not reported
Point Desc:	MOTORCOACH PAINTING

WESTERN RECREATIONAL VEHICLES INC (Continued) **1000403325**

Point Comments: Not reported
SCC Process Desc: op rate=#of vehicles produced
Primary Control Device Code for SO2: Not reported
Secondary Control Device Code for SO2: Not reported
Insignificant Emissions Unit: Not reported
Latitude/Longitude: Not reported
Whether Source Is An AOP(Title V) Source: Not reported

Click this hyperlink while viewing on your computer to access
56 additional WA AIR_EMISSIONS: record(s) in the EDR Site Report.

ICR:
Date Ecology Received Report: 10/13/99
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: Central
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-19
County Code: 39
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 05/14/02
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: Central
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-48
County Code: 39
Contact: Not reported
Report Title: Soil Sampling

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24 **KISSEL PARK** **CSCSL** **1007069354**
NW **32ND AVE & MEAD AVE** **FINDS** **N/A**
1/4-1/2 **YAKIMA, WA 98902**
0.476 mi.
2512 ft.

Relative:
Higher

Actual:
1111 ft.

CSCSL:
Facility ID: 52475978
Facility Type: Not reported
Region: Central
Ecology Status Code: 7
Entered Date: 4/11/2001
Updated Date: 12/15/2005
Brownfield Status: 0
Rank Status: Not reported
PSI Status: Not reported
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 46.5779025634229
Longitude: -120.552565395643
Lat/Long: 46.5779025634229 / -120.552565395643

KISSEL PARK (Continued) **1007069354**

Lat/Long (dms):	46 34 41 / 120 33 5
Media Status Desc:	1/1/0001
Affected Media:	Soil
Affected Media Status:	Suspected
Pesticides:	Not reported
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Confirmed
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Confirmed
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA conducted, residual contam. left, instit contrl

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110015459555

Not reported

25
ESE
1/2-1
0.754 mi.
3980 ft.

MCALLISTER FLYING SERVICE **CSCSL** **1007073919**
2000 S 16TH AVE **FINDS** **N/A**
YAKIMA, WA 98903 **BROWNFIELDS**

Relative:
Lower

Actual:
1044 ft.

CSCSL:

Facility ID:	24492962
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	2
Entered Date:	7/24/2006
Updated Date:	8/14/2008
Brownfield Status:	1
Rank Status:	1
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported

MCALLISTER FLYING SERVICE (Continued) **1007073919**

Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.56877
Longitude:	-120.53039
Lat/Long:	46.56877 / -120.53039
Lat/Long (dms):	46 34 7 / 120 31 49
Media Status Desc:	7/24/2006
Affected Media:	Soil
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported

Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Ranked, Awaiting RA

Facility ID:	24492962
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	2
Entered Date:	7/24/2006
Updated Date:	8/14/2008
Brownfield Status:	1
Rank Status:	1
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.56877
Longitude:	-120.53039
Lat/Long:	46.56877 / -120.53039
Lat/Long (dms):	46 34 7 / 120 31 49
Media Status Desc:	7/24/2006
Affected Media:	Groundwater
Affected Media Status:	Confirmed
Pesticides:	Not reported

MCALLISTER FLYING SERVICE (Continued) **1007073919**

Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported

Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	Ranked, Awaiting RA

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110015505559

Not reported

BROWNFIELDS:

Facilty ID:	24492962
Rank:	1
Site Manager:	ABBOTT, DON
Voluntary Cleanup:	FALSE
NFA Decision:	FALSE
Ecology Status:	Ranked, Awaiting RA
Lat/Longitude:	46.569 / -120.530

26
NNE
1/2-1
0.881 mi.
4650 ft.

Relative: Higher

Actual: 1083 ft.

TIGER OIL 24TH AVE & W NOB HILL **CSCSL** **S103084210**
2312 W NOB HILL BLVD **N/A**
YAKIMA, WA 98902

CSCSL:

Facility ID:	469
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3
Entered Date:	3/1/1988
Updated Date:	1/15/2009
Brownfield Status:	1

TIGER OIL 24TH AVE & W NOB HILL (Continued) **S103084210**

Rank Status:	1
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.58514
Longitude:	-120.54021
Lat/Long:	46.58514 / -120.54021
Lat/Long (dms):	46 35 6 / 120 32 24
Media Status Desc:	1/1/0001
Affected Media:	Groundwater
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

Facility ID:	469
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3
Entered Date:	3/1/1988
Updated Date:	1/15/2009
Brownfield Status:	1
Rank Status:	1
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.58514
Longitude:	-120.54021
Lat/Long:	46.58514 / -120.54021
Lat/Long (dms):	46 35 6 / 120 32 24

TIGER OIL 24TH AVE & W NOB HILL (Continued) **S103084210**

Media Status Desc:	1/1/0001
Affected Media:	Soil
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported

Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

Facility ID:	469
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3
Entered Date:	3/1/1988
Updated Date:	1/15/2009
Brownfield Status:	1
Rank Status:	1
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.58514
Longitude:	-120.54021
Lat/Long:	46.58514 / -120.54021
Lat/Long (dms):	46 35 6 / 120 32 24
Media Status Desc:	1/1/0001
Affected Media:	Sediment
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported

TIGER OIL 24TH AVE & W NOB HILL (Continued) **S103084210**

Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

Facility ID:	469
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3
Entered Date:	3/1/1988
Updated Date:	1/15/2009
Brownfield Status:	1
Rank Status:	1
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Single Family
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.58514
Longitude:	-120.54021
Lat/Long:	46.58514 / -120.54021
Lat/Long (dms):	46 35 6 / 120 32 24
Media Status Desc:	1/1/0001
Affected Media:	Drinking Water
Affected Media Status:	Suspected
Pesticides:	Not reported
Petroleum Products:	Suspected
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported

TIGER OIL 24TH AVE & W NOB HILL (Continued) **S103084210**

Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

27
NNE
1/2-1
0.901 mi.
4756 ft.

SAFEWAY FUEL CENTER 1235
2204 W NOB HILL BLVD
YAKIMA, WA 98901

CSCSL **1007677639**
FINDS **N/A**
INST CONTROL

Relative:
Higher

Actual:
1082 ft.

CSCSL:

Facility ID:	5883805
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	3
Entered Date:	8/14/2006
Updated Date:	6/25/2007
Brownfield Status:	0
Rank Status:	Not reported
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.585163
Longitude:	-120.538633
Lat/Long:	46.585163 / -120.538633
Lat/Long (dms):	46 35 6.587 / 120 32 19.079
Media Status Desc:	8/14/2006
Affected Media:	Groundwater
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

SAFEWAY FUEL CENTER 1235 (Continued) **1007677639**

Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

Facility ID:	5883805
Facility Type:	Not reported
Region:	Central
Ecology Status Code:	3
Entered Date:	8/14/2006
Updated Date:	6/25/2007
Brownfield Status:	0
Rank Status:	Not reported
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.585163
Longitude:	-120.538633
Lat/Long:	46.585163 / -120.538633
Lat/Long (dms):	46 35 6.587 / 120 32 19.079
Media Status Desc:	1/1/0001
Affected Media:	Surface Water
Affected Media Status:	Confirmed
Pesticides:	Not reported
Petroleum Products:	Confirmed
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110017943412

SAFEWAY FUEL CENTER 1235 (Continued) **1007677639**

Not reported

INST CONTROL:

Facility Site ID:	5883805
Decision Type:	Consent Decree (CD)
Document Type:	Restrictive Covenant
County Filing # For Individual IC Doc:	7387855
Filing Date Of Individual IC Doc:	3/4/2004
Status:	Active
Status Date:	3/11/2004
Anchorage Restrictions:	No
Drinking Water Restrictions:	No
Education Programs:	No
Financial Assurance:	No
Finfish Harvesting Restrictions:	No
Groundwater Restriction:	Yes
Maintenance Requirements:	No
No Dredge Zone:	No
No Wake Zone:	No
Physical Measures:	No
Property Use Restriction:	Yes
Restrictive Signage:	No
Shellfish Harvesting Restrictions:	No
Soil Restriction:	Yes
Surface Water Restriction:	No
Swimming Restriction:	No
Vessel Draft Restriction:	No

Facility Site ID:	5883805
Decision Type:	Consent Decree (CD)
Document Type:	Restrictive Covenant
County Filing # For Individual IC Doc:	Not reported
Filing Date Of Individual IC Doc:	6/19/2003
Status:	Active
Status Date:	6/19/2003
Anchorage Restrictions:	No
Drinking Water Restrictions:	No
Education Programs:	No
Financial Assurance:	No
Finfish Harvesting Restrictions:	No
Groundwater Restriction:	Yes
Maintenance Requirements:	Yes
No Dredge Zone:	No
No Wake Zone:	No
Physical Measures:	No
Property Use Restriction:	No
Restrictive Signage:	No
Shellfish Harvesting Restrictions:	No
Soil Restriction:	No
Surface Water Restriction:	No
Swimming Restriction:	No
Vessel Draft Restriction:	No

28
SE
1/2-1
0.982 mi.
5187 ft.

Relative:
Lower

Actual:
1044 ft.

RICHARDSON AIRWAYS
YAKIMA MUNICIPAL AIRPORT
YAKIMA, WA 98901

Database(s): CSCSL, FINDS, CERC-NFRAP, BROWNFIELDS, INST CONTROL, RCRA-NonGen

EDR ID Number: 1000456106
EPA ID Number: WAD027582352

CSCSL:

Facility ID:	442
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3
Entered Date:	3/1/1988
Updated Date:	1/6/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57098
Longitude:	-120.54168
Lat/Long:	46.57098 / -120.54168
Lat/Long (dms):	46 34 15 / 120 32 30
Media Status Desc:	1/1/0001
Affected Media:	Surface Water
Affected Media Status:	Suspected
Pesticides:	Suspected
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

Facility ID:	442
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3

RICHARDSON AIRWAYS (Continued) **1000456106**

Entered Date:	3/1/1988
Updated Date:	1/6/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57098
Longitude:	-120.54168
Lat/Long:	46.57098 / -120.54168
Lat/Long (dms):	46 34 15 / 120 32 30
Media Status Desc:	1/1/0001
Affected Media:	Soil
Affected Media Status:	Confirmed
Pesticides:	Confirmed
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

Facility ID:	442
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3
Entered Date:	3/1/1988
Updated Date:	1/6/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Community
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57098

RICHARDSON AIRWAYS (Continued) **1000456106**

Longitude:	-120.54168
Lat/Long:	46.57098 / -120.54168
Lat/Long (dms):	46 34 15 / 120 32 30
Media Status Desc:	1/1/0001
Affected Media:	Drinking Water
Affected Media Status:	Suspected
Pesticides:	Suspected
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Responsible Unit:	CENTRAL
Arsenic Code:	Not reported
MTBE Code:	Not reported
UXO Code:	Not reported
Dioxin:	Not reported
Non-Halogenated Solvents:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Tibutyl Tin Contaminant Group:	Not reported
Bioassay/Benthic Failures Contaminant Group:	Not reported
Wood Debris Contaminant Group:	Not reported
Other Deleterious Substance Group:	Not reported
Ecology Site Status (MTCA cleanup process):	RA in Progress

Facility ID:	442
Facility Type:	Program Plan
Region:	Central
Ecology Status Code:	3
Entered Date:	3/1/1988
Updated Date:	1/6/2009
Brownfield Status:	1
Rank Status:	2
PSI Status:	Not reported
Clean Method:	Not reported
Drinking Water Type:	Not reported
Cleanup Standard:	Not reported
Acres Remediated:	Not reported
Latitude:	46.57098
Longitude:	-120.54168
Lat/Long:	46.57098 / -120.54168
Lat/Long (dms):	46 34 15 / 120 32 30
Media Status Desc:	1/1/0001
Affected Media:	Groundwater
Affected Media Status:	Suspected
Pesticides:	Suspected
Petroleum Products:	Not reported
Phenolic Compounds:	Not reported
Reactive Wastes:	Not reported

RICHARDSON AIRWAYS (Continued) **1000456106**

Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: CENTRAL
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported
Dioxin: Not reported
Non-Halogenated Solvents: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tibutyl Tin Contaminant Group: Not reported
Bioassay/Benthic Failures Contaminant Group: Not reported
Wood Debris Contaminant Group: Not reported
Other Deleterious Substance Group: Not reported
Ecology Site Status (MTCA cleanup process): RA in Progress

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110008216055

Not reported

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERC-NFRAP:
Site ID: 1000699
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: RICHARDSON AIRWAY
Alias Address: Not reported
WA
Site Description: Not reported

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/30/1987
Priority Level: Not reported

RICHARDSON AIRWAYS (Continued) **1000456106**

Action: PRELIMINARY ASSESSMENT
Date Started: 11/15/1988
Date Completed: 11/15/1988
Priority Level: Low

Action: SITE INSPECTION
Date Started: 08/19/1994
Date Completed: 08/19/1994
Priority Level: NFRAP (No Futher Remedial Action Planned

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 08/19/1994
Priority Level: Not reported

BROWNFIELDS:
Facilty ID: 442
Rank: 2
Site Manager: BASSETT, DICK
Voluntary Cleanup: FALSE
NFA Decision: FALSE
Ecology Status: RA in Progress
Lat/Longitude: 46.571 / -120.542

INST CONTROL:
Facility Site ID: 442
Decision Type: Consent Decree (CD)
Document Type: Not reported
County Filing # For Individual IC Doc: Not reported
Filing Date Of Individual IC Doc: Not reported
Status: Not reported
Status Date: Not reported
Anchorage Restrictions: No
Drinking Water Restrictions: No
Education Programs: No
Financial Assurance: No
Finfish Harvesting Restrictions: No
Groundwater Restriction: No
Maintenance Requirements: No
No Dredge Zone: No
No Wake Zone: No
Physical Measures: No
Property Use Restriction: No
Restrictive Signage: No
Shellfish Harvesting Restrictions: No
Soil Restriction: No
Surface Water Restriction: No
Swimming Restriction: No
Vessel Draft Restriction: No

Facility Site ID: 442
Decision Type: Consent Decree (CD)
Document Type: Restrictive Covenant
County Filing # For Individual IC Doc: Not reported
Filing Date Of Individual IC Doc: Not reported
Status: Active

RICHARDSON AIRWAYS (Continued) **1000456106**

Status Date:	Not reported
Anchorage Restrictions:	No
Drinking Water Restrictions:	No
Education Programs:	No
Financial Assurance:	No
Finfish Harvesting Restrictions:	No
Groundwater Restriction:	No
Maintenance Requirements:	Yes
No Dredge Zone:	No
No Wake Zone:	No
Physical Measures:	No
Property Use Restriction:	Yes
Restrictive Signage:	No
Shellfish Harvesting Restrictions:	No
Soil Restriction:	No
Surface Water Restriction:	No
Swimming Restriction:	No
Vessel Draft Restriction:	No

RCRA-NonGen:

Date form received by agency:	08/18/1980
Facility name:	RICHARDSON AIRWAYS
Facility address:	YAKIMA MUNICIPAL AIRPORT YAKIMA, WA 98901
EPA ID:	WAD027582352
Mailing address:	PO BOX 192 MAPLE VALLEY, WA 98038-0192
Contact:	JILL BROWN
Contact address:	PO BOX 192 MAPLE VALLEY, WA 98038-0192
Contact country:	US
Contact telephone:	(360)432-5040
Contact email:	Not reported
EPA Region:	10
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RICHARDSON AIRWAY
Owner/operator address:	PO BOX 192 MAPLE VALLEY, WA 98038
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/18/1980
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

RICHARDSON AIRWAYS (Continued) **1000456106**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	03/01/1984
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
YAKIMA	1007677421	S 83RD AVE AT SHAW CREEK CROSSING	S 83RD AVE		FINDS
YAKIMA	S108676821	WASHINGTON FRUIT	BETWEEN LINCOLN / D STREETS		SPILLS
YAKIMA	S105789977	WASHINGTON FRUIT	200 W. DAVID STREET		SPILLS
YAKIMA	1004614551	CENTRAL WASHINGTON HALIDE & HYDROP	2208 G FRUITVALE BLVD	98902	FINDS
YAKIMA	1007728299	HATHAWAY AVE SITE	HATHAWAY AVE	98902	FINDS
YAKIMA	S109394665	MARVIN GARDENS	HATHAWAY AVE	98902	CSCSL
YAKIMA	2004726554	909 NACHES AVE	909 NACHES AVE		ERNS
YAKIMA	1003880620	LONGFIBER ROAD SITE	E SIDE LONGFIBER RD AT WASHING	98903	CERC-NFRAP
YAKIMA	2004727868	WASHINGTON STREET	WASHINGTON STREET		ERNS
YAKIMA	1005445515	CEREXAGRI INC YAKIMA	10 1/2 WASHINGTON AVE	98903	FINDS, MANIFEST, RCRA-NonGen
YAKIMA	1010337642	TSA YAKIMA AIR TERMINAL MCALLISTER	2400 W WASHINGTON AVE TSA	98903	RCRA-CESQG
YAKIMA	S107672216	TSA YAKIMA AIR TERMINAL MCALLISTER	2400 W WASHINGTON AVE TSA	98903	MANIFEST
YAKIMA	1000100632	AT&T YAKIMA AVE	208 W YAKIMA AVE AT&T	98902	PADS, FINDS, UST, RCRA-NonGen
YAKIMA	S103510387	UNITED PARCEL SERVICE	W. YAKIMA VALLEY BLVD.	98902	ICR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/02/2009
Date Data Arrived at EDR: 02/12/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 46

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/02/2009
Date Data Arrived at EDR: 02/12/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 46

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/02/2009
Date Data Arrived at EDR: 02/12/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 46

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/07/2008
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 53

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 01/30/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Date Data Arrived at EDR: 12/06/2007
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 76

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/17/2008
Date Data Arrived at EDR: 12/22/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 98

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/03/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 54

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/30/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 08/20/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/24/2008
Number of Days to Update: 5

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 03/05/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Semi-Annually

State- and tribal - equivalent CERCLIS

CSCSL: Confirmed and Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 02/10/2009
Date Data Arrived at EDR: 02/11/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 41

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 02/11/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 01/13/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks Site List
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/10/2009
Date Data Arrived at EDR: 03/11/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 13
Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 03/11/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/15/2009
Date Data Arrived at EDR: 02/27/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 17
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/03/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 20
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/20/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 03/13/2009
Date Data Arrived at EDR: 03/17/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 13
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/15/2008
Date Data Arrived at EDR: 12/16/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 03/03/2009
Date Data Arrived at EDR: 03/04/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/10/2009
Date Data Arrived at EDR: 03/11/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 03/11/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations
A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 11/24/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 02/13/2009
Number of Days to Update: 80

Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 03/03/2009
Date Data Arrived at EDR: 03/04/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/25/2008
Date Data Arrived at EDR: 11/26/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 27

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/20/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 03/13/2009
Date Data Arrived at EDR: 03/17/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/15/2008
Date Data Arrived at EDR: 12/16/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 90

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List
Sites that have institutional controls.

Date of Government Version: 03/04/2009
Date Data Arrived at EDR: 03/05/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 03/05/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Varies

ICR: Independent Cleanup Reports
These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: No Update Planned

VCP: Voluntary Cleanup Program Sites
Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 02/10/2009
Date Data Arrived at EDR: 02/20/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 32

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 02/11/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing
A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 02/10/2009
Date Data Arrived at EDR: 02/11/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 41

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 02/11/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 11/14/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 02/10/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Varies

SWTIRE: Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 04/03/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 53
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/26/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Quarterly

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action
The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 02/10/2009
Date Data Arrived at EDR: 02/11/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 41
Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 02/11/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Semi-Annually

CDL: Clandestine Drug Lab Contaminated Site List
Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 02/09/2009
Date Data Arrived at EDR: 03/18/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 6
Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 03/05/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs
This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/19/2007
Number of Days to Update: 23
Source: Department of Health
Telephone: 360-236-3381
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/20/2008
Date Data Arrived at EDR: 12/23/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/03/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/09/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 34

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/30/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: Annually

SPILLS: Reported Spills

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 01/13/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 70

Source: Department of Ecology
Telephone: 360-407-6950
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Semi-Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/24/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/06/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 11/03/2008
Date Data Arrived at EDR: 01/06/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 83

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/21/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 55

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 12/23/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 97

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/24/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 04/09/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 02/18/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 12/04/2008
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2008
Date Data Arrived at EDR: 08/13/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 27
Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 02/02/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/07/2009
Date Data Arrived at EDR: 01/15/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 74
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/28/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/30/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/30/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 53

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/19/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Biennially

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/20/2008
Date Made Active in Reports: 06/26/2008
Number of Days to Update: 37

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/20/2008
Date Made Active in Reports: 06/26/2008
Number of Days to Update: 37

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Varies

NPDES: Water Quality Permit System Data
A listing of permitted wastewater facilities.

Date of Government Version: 02/10/2009
Date Data Arrived at EDR: 02/11/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 41

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 02/11/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Quarterly

AIRS (EMI): Washington Emissions Data System
Emissions inventory data.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 01/15/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 68

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Annually

INACTIVE DRYCLEANERS: Inactive Drycleaners
A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/20/2008
Date Made Active in Reports: 06/26/2008
Number of Days to Update: 37

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/06/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 12/08/2008
Date Data Arrived at EDR: 12/09/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 97

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 02/06/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District
Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 01/30/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 53

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 01/15/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey
Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 12/11/2008
Date Made Active in Reports: 03/19/2009
Number of Days to Update: 98

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/13/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/27/2009
Date Data Arrived at EDR: 02/25/2009
Date Made Active in Reports: 03/12/2009
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/25/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/02/2008
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/09/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/08/2008
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing
Source: Department of Social & Health Services
Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2720 W. WASHINGTON AVE.
2720 W. WASHINGTON AVE.
YAKIMA, WA 98902

TARGET PROPERTY COORDINATES

Latitude (North):	46.57310 - 46° 34' 23.2''
Longitude (West):	120.5448 - 120° 32' 41.3''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	688142.2
UTM Y (Meters):	5160436.0
Elevation:	1074 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	46120-E5 YAKIMA WEST, WA
Most Recent Revision:	1985

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

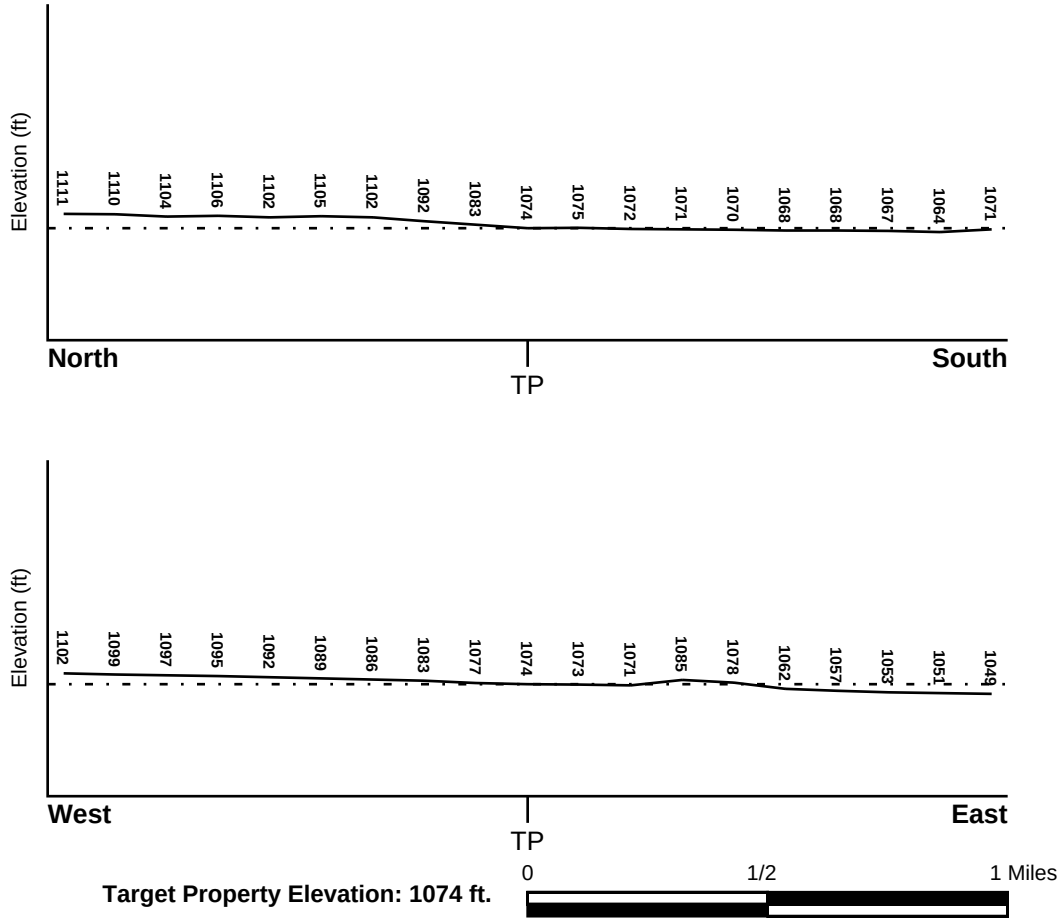
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1074 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
YAKIMA, WA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	5303110003A
Additional Panels in search area:	5302171033B 5302171029B 5302171034B 5303110001A 5302171041B 5302171042B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
YAKIMA WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

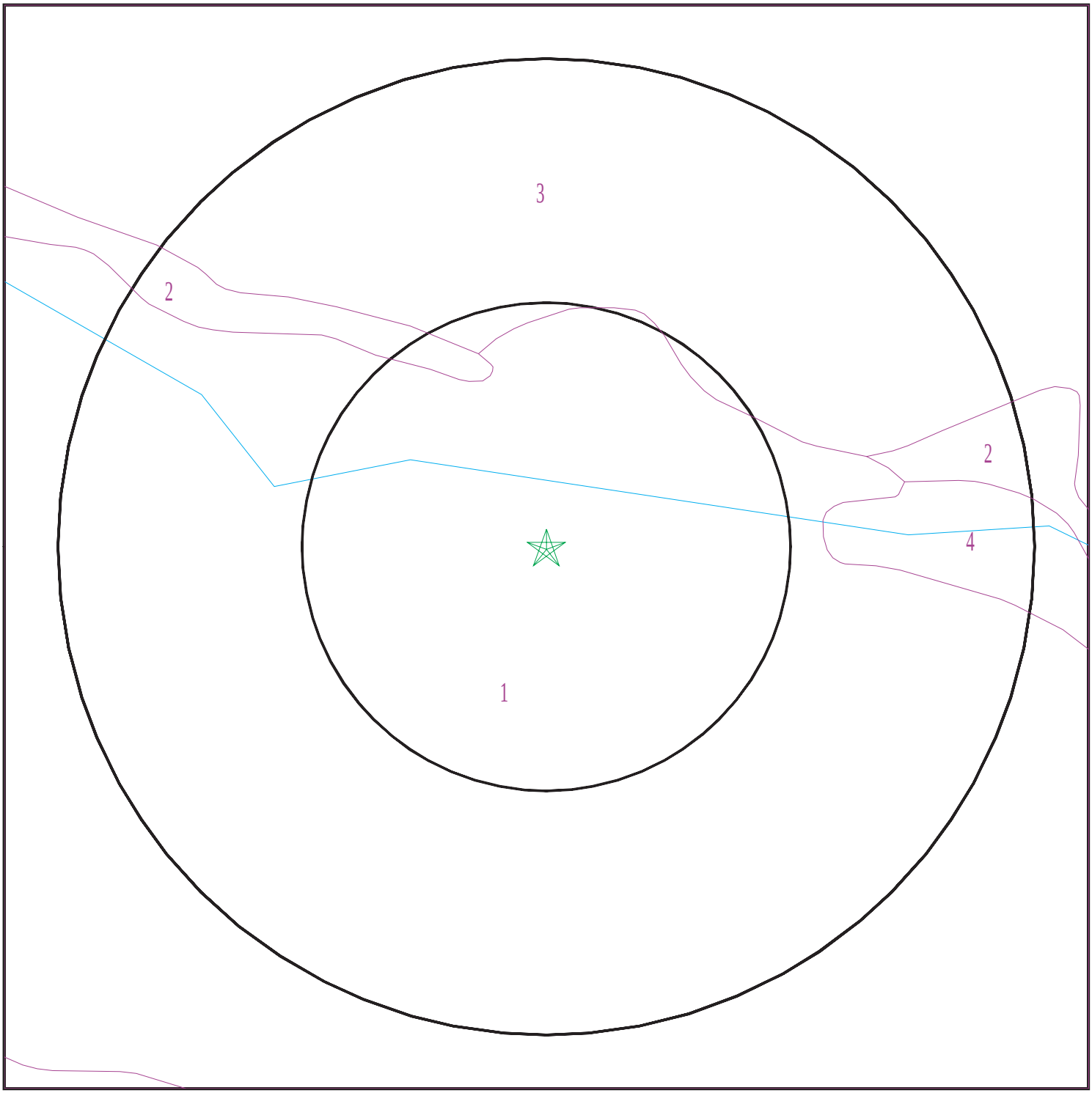
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2466396.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	2720 W. Washington Ave.	CLIENT:	Montgomery Watson
ADDRESS:	2720 W. Washington Ave. Yakima WA 98902	CONTACT:	Rovelle Federico
LAT/LONG:	46.5731 / 120.5448	INQUIRY #:	2466396.2s
		DATE:	April 14, 2009 7:26 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Umapine

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 92 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9.6 Min: 7.3
2	7 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9.6 Min: 7.3

Soil Map ID: 2

Soil Component Name: Warden

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9
2	5 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9
3	18 inches	59 inches	stratified very fine sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9

Soil Map ID: 3

Soil Component Name: Warden

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9
2	5 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9
3	18 inches	59 inches	stratified very fine sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9

Soil Map ID: 4

Soil Component Name: Esquatzel

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.4
2	16 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.4
3	59 inches	63 inches	stratified fine sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS3213689	1/8 - 1/4 Mile West
2	USGS3213688	1/8 - 1/4 Mile NW
A3	USGS3213630	1/8 - 1/4 Mile NNE
A4	USGS3213629	1/8 - 1/4 Mile NNE
A5	USGS3214039	1/8 - 1/4 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	USGS3213791	1/8 - 1/4 Mile SE
7	USGS3213809	1/8 - 1/4 Mile WSW
A8	USGS3213644	1/8 - 1/4 Mile NNE
9	USGS3213643	1/4 - 1/2 Mile NNE
B10	USGS3213518	1/4 - 1/2 Mile NNW
12	USGS3213632	1/4 - 1/2 Mile WNW
13	USGS3213539	1/4 - 1/2 Mile NE
14	USGS3213690	1/4 - 1/2 Mile West
15	USGS3213434	1/4 - 1/2 Mile NE
C16	USGS3213807	1/4 - 1/2 Mile ESE
D19	USGS3213631	1/4 - 1/2 Mile NW
21	USGS3213436	1/2 - 1 Mile NNW
22	USGS3213970	1/2 - 1 Mile SW
23	USGS3213756	1/2 - 1 Mile WNW
24	USGS3214038	1/2 - 1 Mile South
E25	USGS3213435	1/2 - 1 Mile NE
27	USGS3213628	1/2 - 1 Mile ENE
28	USGS3213971	1/2 - 1 Mile SW
29	USGS3213691	1/2 - 1 Mile West
30	USGS3213874	1/2 - 1 Mile SW
31	USGS3213873	1/2 - 1 Mile WSW
32	USGS3213633	1/2 - 1 Mile WNW
F33	USGS3213846	1/2 - 1 Mile ESE
34	USGS3213388	1/2 - 1 Mile NNE
F35	USGS3213996	1/2 - 1 Mile ESE
G36	USGS3213387	1/2 - 1 Mile NNE
37	USGS3214196	1/2 - 1 Mile South
G38	USGS3213386	1/2 - 1 Mile NNE
39	USGS3213796	1/2 - 1 Mile WSW
H40	USGS3213845	1/2 - 1 Mile ESE
G41	USGS3213396	1/2 - 1 Mile NNE
J43	USGS3213687	1/2 - 1 Mile East
J44	USGS3213682	1/2 - 1 Mile East
I45	USGS3214210	1/2 - 1 Mile SSW
K46	USGS3213437	1/2 - 1 Mile NW
H47	USGS3213969	1/2 - 1 Mile ESE
J48	USGS3213686	1/2 - 1 Mile East
J49	USGS3213681	1/2 - 1 Mile East
50	USGS3213621	1/2 - 1 Mile ENE
I51	USGS3214197	1/2 - 1 Mile SSW
I52	USGS3214198	1/2 - 1 Mile SSW
K53	USGS3213479	1/2 - 1 Mile NW
L54	USGS3214152	1/2 - 1 Mile SE
L55	USGS3214151	1/2 - 1 Mile SE
56	USGS3213952	1/2 - 1 Mile WSW
57	USGS3213692	1/2 - 1 Mile West
58	USGS3214291	1/2 - 1 Mile South
59	USGS3213844	1/2 - 1 Mile ESE
M60	USGS3214211	1/2 - 1 Mile SW
M61	USGS3214212	1/2 - 1 Mile SW
M62	USGS3214199	1/2 - 1 Mile SW
63	USGS3213788	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
64	USGS3213875	1/2 - 1 Mile WSW
M65	USGS3214200	1/2 - 1 Mile SW
66	USGS3214497	1/2 - 1 Mile South
67	USGS3213962	1/2 - 1 Mile WSW
68	USGS3213211	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

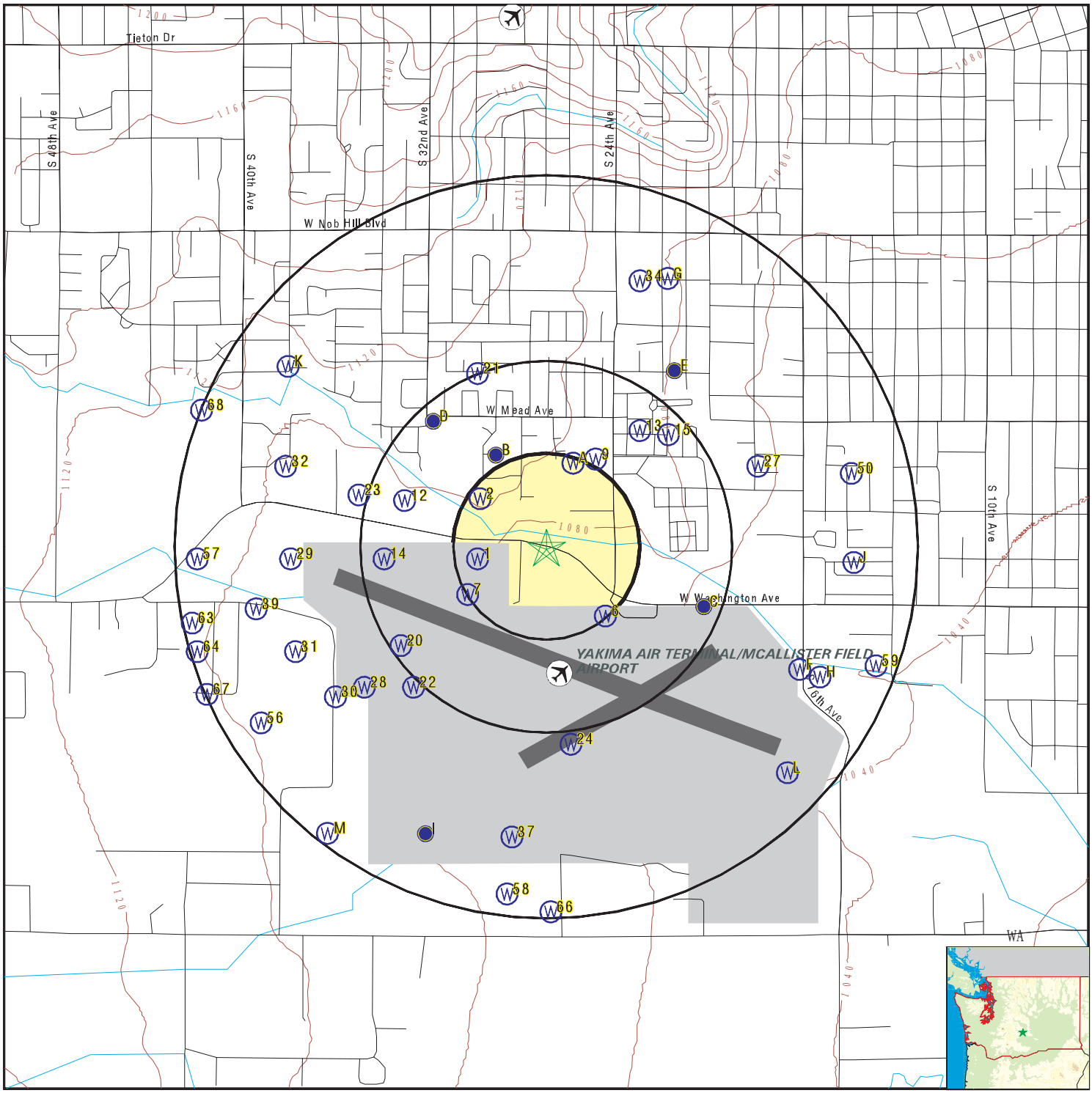
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B11	WA5000000004198	1/4 - 1/2 Mile NNW
D17	WA5000000004209	1/4 - 1/2 Mile NW
C18	WA5000000004165	1/4 - 1/2 Mile ESE
20	WA5000000004157	1/4 - 1/2 Mile SW
E26	WA5000000004221	1/2 - 1 Mile NE
I42	WA5000000004122	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 2466396.2s



County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data

SITE NAME: 2720 W. Washington Ave.	CLIENT: Montgomery Watson
ADDRESS: 2720 W. Washington Ave. Yakima WA 98902	CONTACT: Rovelle Federico
LAT/LONG: 46.5731 / 120.5448	INQUIRY #: 2466396.2s
	DATE: April 14, 2009 7:26 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
West
1/8 - 1/4 Mile
Higher

FED USGS **USGS3213689**

Agency cd:	USGS	Site no:	463422120325101
Site name:	13N/18E-35E02		
Latitude:	463422		
Longitude:	1203251	Dec lat:	46.57262638
Dec lon:	-120.54867723	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW NW S35 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19840728
Date inventoried:	19840730	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	61	Hole depth:	61
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1984-07-28	Ground water data end date:	1984-07-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1984-07-28	6	

2
NW
1/8 - 1/4 Mile
Higher

FED USGS **USGS3213688**

Agency cd:	USGS	Site no:	463422120323201
Site name:	13N/18E-35D05		
Latitude:	463430.44		
Longitude:	1203250.47	Dec lat:	46.57497082
Dec lon:	-120.54853003	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NW S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19881205
Date inventoried:	20000831	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	93	Hole depth:	93
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1988-12-07	Ground water data end date:	1988-12-07
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1988-12-07	32	

A3
NNE
1/8 - 1/4 Mile
Higher

FED USGS USGS3213630

Agency cd:	USGS	Site no:	463435120323201
Site name:	13N/18E-35C02		
Latitude:	463435		
Longitude:	1203232	Dec lat:	46.57623753
Dec lon:	-120.54339936	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S35 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19870916
Date inventoried:	19870922	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	48	Hole depth:	48
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1987-09-23	Ground water data end date:	1987-09-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-09-23	21	

A4
NNE
1/8 - 1/4 Mile
Higher

FED USGS **USGS3213629**

Agency cd:	USGS	Site no:	463435120323101
Site name:	13N/18E-35C03		
Latitude:	463435		
Longitude:	1203231	Dec lat:	46.57623754
Dec lon:	-120.54312158	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S35 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19880315
Date inventoried:	19880318	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	130	Hole depth:	130
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1988-03-17	Ground water data end date:	1988-03-17
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1988-03-17	24	

A5
NNE
1/8 - 1/4 Mile
Higher

FED USGS **USGS3214039**

Agency cd:	USGS	Site no:	463356120323301
Site name:	13N/18E-35C05		
Latitude:	463435.71		
Longitude:	1203232.35	Dec lat:	46.57643475
Dec lon:	-120.54349659	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1095		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19790922
Date inventoried:	20000831	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	235	Hole depth:	238
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1979-09-26	Ground water data end date:	2000-08-31
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2000-08-31	41.35		1979-09-26	37	

6
SE
1/8 - 1/4 Mile
Lower

FED USGS **USGS3213791**

Agency cd:	USGS	Site no:	463414120322501
Site name:	13N/18E-35L01		
Latitude:	463414		
Longitude:	1203225	Dec lat:	46.57040423
Dec lon:	-120.5414548	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE SW S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1065		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19510802	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

7
WSW
1/8 - 1/4 Mile
Higher

FED USGS **USGS3213809**

Agency cd:	USGS	Site no:	463417120325301
Site name:	13N/18E-35E01		
Latitude:	463417		
Longitude:	1203253	Dec lat:	46.57123749
Dec lon:	-120.54923279	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW NW S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1075		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19750806
Date inventoried:	19750904	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1975-08-06	Ground water data end date:	1975-08-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1975-08-06	17	

A8
NNE
1/8 - 1/4 Mile
Higher

FED USGS USGS3213644

Agency cd:	USGS	Site no:	463436120323101
Site name:	13N/18E-35C04		
Latitude:	463436		
Longitude:	1203231	Dec lat:	46.57651531
Dec lon:	-120.54312158	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S35 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19901211
Date inventoried:	19901213	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	80	Hole depth:	80
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-12-12	Ground water data end date:	1990-12-12
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-12-12	26	

9
NNE **FED USGS** **USGS3213643**
1/4 - 1/2 Mile
Higher

Agency cd:	USGS	Site no:	463436120322702
Site name:	13N/18E-35C01D1		
Latitude:	463436		
Longitude:	1203227	Dec lat:	46.57651532
Dec lon:	-120.54201044	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S35 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19760629
Date inventoried:	19770331	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	70	Hole depth:	70
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-03-16	Ground water data end date:	1977-03-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-03-16	21	

B10
NNW **FED USGS** **USGS3213518**
1/4 - 1/2 Mile
Higher

Agency cd:	USGS	Site no:	463437120324601
Site name:	13N/18E-35D01		
Latitude:	463437		
Longitude:	1203246	Dec lat:	46.57679305
Dec lon:	-120.54728836	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NW S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19650820
Date inventoried:	19651031	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	132	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1965-09-02	Ground water data end date:	1965-09-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1965-09-02	12	

B11
NNW
1/4 - 1/2 Mile
Higher

WA WELLS **WA5000000004198**

Objectid:	300	Srcid:	309
Srcrootid:	309	Wsorgid:	8431
Wsleid:	47048	Wslerootid:	47048
Pwsid:	00276	Srcnum:	01
Pwssrcid:	0027601	Systemname:	DAHKLE WELL
Systemgrp:	B	Systemtype:	Group B
Sourcename:	WELL 1	Sourcetype:	Well
Sourcelbl:	S01 / WELL 1	Region:	Eastern
Wria:	37	County:	YAKIMA
Contadd1:	Not Reported	Contadd2:	1608 S 27TH

Contphone:	(509) 452-4065	Contcity:	YAKIMA
Contstate:	WA	Contzipcd:	98902
Sma:	Not Reported	Smaname:	Not Reported
Usecode:	Permanent		
Capacity:	6		
Treated:	Not Reported	Suscept:	Not Rated
Whpatype:	Not Reported	Doewellid:	Not Reported
Latitude:	46.57656		
Longitude:	-120.548		
Llmethod:	Quarter Quarter Section	Site id:	WA5000000004198

12
WNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS3213632**

Agency cd:	USGS	Site no:	463435120331001
Site name:	13N/18E-34A01		
Latitude:	463430.19		
Longitude:	1203305.83	Dec lat:	46.57490134
Dec lon:	-120.55279681	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NE S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1094		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19871125
Date inventoried:	20000831	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	78	Hole depth:	78
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1987-11-30	Ground water data end date:	2002-03-26
Ground water data count:	4		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-03-26	8.26				
Note: The site had been pumped recently.					
2001-03-13	8.50				
Note: The site had been pumped recently.					
2000-08-31	11.02				
Note: The site had been pumped recently.					

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1987-11-30	8				

13
NE
1/4 - 1/2 Mile
Higher

FED USGS **USGS3213539**

Agency cd:	USGS	Site no:	463440120321801
Site name:	13N/18E-35B01		
Latitude:	463440		
Longitude:	1203218	Dec lat:	46.57762645
Dec lon:	-120.53951039	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NE S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1080		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19490428
Date inventoried:	19531104	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	56	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1949-04-28	Ground water data end date:	1949-04-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1949-04-28	19	

14
West
1/4 - 1/2 Mile
Higher

FED USGS **USGS3213690**

Agency cd:	USGS	Site no:	463422120331001
Site name:	13N/18E-34H01		
Latitude:	463422		
Longitude:	1203310	Dec lat:	46.57262634
Dec lon:	-120.55395515	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE NE S34 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19871216
Date inventoried:	19871226	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	130	Hole depth:	130
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1987-12-18	Ground water data end date:	1987-12-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-12-18	7	

15
NE
1/4 - 1/2 Mile
Higher

FED USGS USGS3213434

Agency cd:	USGS	Site no:	463448120321201
Site name:	13N/18E-35B02		
Latitude:	463439.43		
Longitude:	1203212.19	Dec lat:	46.57746813
Dec lon:	-120.53789646	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NE S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1075		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19860923
Date inventoried:	20000830	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	190	Hole depth:	205
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1986-09-30	Ground water data end date:	2003-06-18
Ground water data count:	11		

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-06-18	99.76				
Note: The site was being pumped.					
2003-02-18	20.74		2002-09-27	21.54	
2002-06-07	147.1				
Note: The site had been pumped recently.					
2002-03-26	21.33		2002-02-20	21.37	
2001-11-02	21.2				
2001-08-23	22.66				
Note: The site had been pumped recently.					
2001-03-13	21.54		2000-08-30	21.60	
1986-09-30	20				

C16
ESE
1/4 - 1/2 Mile
Lower

FED USGS USGS3213807

Agency cd:	USGS	Site no:	463416120320501
Site name:	13N/18E-35K01		
Latitude:	463415.5		
Longitude:	1203205.1	Dec lat:	46.57082094
Dec lon:	-120.53592688	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SE S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1050		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19610213
Date inventoried:	20010308	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	1044	Hole depth:	1099
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1961-02-13
Ground water data count: 48
Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data end date: 2001-03-08

Ground-water levels, Number of Measurements: 48

Date	Feet below Surface	Feet to Sealevel
2001-03-08	-32	
1999-07-11	-32.3	
1999-05-18	-46.1	
1999-03-19	-41.5	
1998-12-18	-46.1	
1998-10-22	-41.5	
1998-08-18	-41.5	
1998-06-23	-43.8	
1998-03-22	-46.1	
1997-12-25	-41.5	
1997-10-22	-36.9	
1997-08-05	-36.9	
1997-06-24	-18.5	
1997-04-05	-50.8	
1997-02-24	-46.1	
1996-12-28	-41.5	
1996-10-05	-41.5	
1996-08-09	-36.9	
1996-05-28	-46.1	
1996-04-01	-43.8	
1996-02-06	-41.5	
1995-12-06	-36.6	
1995-10-03	-41.5	
1961-02-13	197	
Note: The site was being pumped.		
1961-02-13	-72	
1999-08-14	-43.8	
1999-06-15	-32.3	
1999-04-26	-46.1	
1999-01-18	-46.1	
1998-11-20	-41.5	
1998-09-29	-36.9	
1998-07-22	-36.9	
1998-05-26	-36.9	
1998-02-16	-36.9	
1997-11-28	-41.5	
1997-09-20	-41.5	
1997-07-19	-23.1	
1997-05-27	-50.8	
1997-03-28	-50.8	
1997-01-27	-34.6	
1996-11-05	-41.5	
1996-09-05	-39.2	
1996-06-30	-43.8	
1996-04-28	-48.4	
1996-03-05	-41.5	
1996-01-02	-50.8	
1995-10-31	-48.4	
1995-09-05	-36.9	

D17
NW
1/4 - 1/2 Mile
Higher

WA WELLS **WA5000000004209**

Objectid:	26314	Srcid:	129157
Srcrootid:	26448	Wsorgid:	83064
Wsleid:	137469	Wslerootid:	67481
Pwsid:	99150	Srcnum:	08
Pwssrcid:	9915008	Systemname:	YAKIMA WATER DIVISION, CITY OF
Systemgrp:	A	Systemtype:	Community
Sourcename:	Kissel Well	Sourcetype:	Well
Sourcelbl:	S08 / Kissel Well	Region:	Eastern
Wria:	37	County:	YAKIMA
Contadd1:	Not Reported	Contadd2:	2301 Fruitvale Blvd
Contphone:	(509) 575-6204	Contcity:	Yakima
Contstate:	WA	Contzipcd:	989021225
Sma:	Not Reported	Smaname:	Not Reported
Usecode:	Emergency		
Capacity:	2900		
Treated:	Not Reported	Suscept:	Not Rated
Whpatype:	Not Reported	Doewellid:	Not Reported
Latitude:	46.577944		
Longitude:	-120.551155		
Llmethod:	GPS	Site id:	WA5000000004209

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

C18
ESE
1/4 - 1/2 Mile
Lower

WA WELLS **WA5000000004165**

Objectid:	26310	Srcid:	129154
Srcrootid:	26442	Wsorgid:	83064
Wsleid:	137469	Wslerootid:	67481
Pwsid:	99150	Srcnum:	02
Pwssrcid:	9915002	Systemname:	YAKIMA WATER DIVISION, CITY OF
Systemgrp:	A	Systemtype:	Community
Sourcename:	Airport Well	Sourcetype:	Well
Sourcelbl:	S02 / Airport Well	Region:	Eastern
Wria:	37	County:	YAKIMA
Contadd1:	Not Reported	Contadd2:	2301 Fruitvale Blvd
Contphone:	(509) 575-6204	Contcity:	Yakima
Contstate:	WA	Contzipcd:	989021225
Sma:	Not Reported	Smaname:	Not Reported
Usecode:	Emergency		
Capacity:	2800		
Treated:	Not Reported	Suscept:	Not Rated
Whpatype:	Not Reported	Doewellid:	Not Reported
Latitude:	46.570726		
Longitude:	-120.535867		
Llmethod:	GPS	Site id:	WA5000000004165

D19
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS3213631**

Agency cd:	USGS	Site no:	463435120325101
Site name:	13N/18E-35D04 SWQA3		
Latitude:	463441.5		
Longitude:	1203300.1	Dec lat:	46.57804302
Dec lon:	-120.55120514	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NW S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1110		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19910102
Date inventoried:	20010308	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	1171	Hole depth:	1171
Source of depth data:	driller		
Project number:	WA9BI39		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count: 0
Water quality data end date: 2003-09-15
Ground water data begin date: 1991-03-19
Ground water data count: 50
Water quality data begin date: 2003-07-28
Water quality data count: 2
Ground water data end date: 2001-03-08

Ground-water levels, Number of Measurements: 50

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2001-03-08	37		1999-08-14	32	
1999-07-11	34		1999-06-15	34	
1999-05-18	24		1999-04-26	23	
1999-03-19	25		1999-01-18	24	
1998-12-18	25		1998-11-20	30	
1998-10-22	35		1998-09-29	37	
1998-08-18	38		1998-07-22	30	
1998-06-23	28		1998-05-26	31	
1998-03-22	30		1998-02-16	34	
1997-12-28	27		1997-12-25	27	
1997-11-28	28		1997-10-22	183	
1997-09-20	43		1997-08-05	48	
1997-07-19	49		1997-06-24	62	
1997-05-27	97		1997-04-05	40	
1997-03-28	21		1997-02-24	24	
1997-01-27	26		1996-12-28	30	
1996-11-05	30		1996-10-05	32	
1996-09-05	33		1996-08-09	35	
1996-06-30	31		1996-05-28	24	
1996-04-28	23		1996-04-01	24	
1996-03-05	38		1996-02-06	43	
1996-01-02	23		1995-12-06	36	
1995-10-31	24		1995-10-03	30	
1995-09-05	34				
1991-03-20	142				
Note: The site was being pumped.					
1991-03-19	-20		1991-03-19	20	

20
SW
1/4 - 1/2 Mile
Higher

WA WELLS **WA5000000004157**

Objectid:	3651	Srcid:	149371
Srcrootid:	3601	Wsorgid:	92187
Wsleid:	147586	Wslerootid:	49995
Pwsid:	03223	Srcnum:	01
Pwssrcid:	0322301	Systemname:	ALBANO COMMUNITY WELL
Systemgrp:	B	Systemtype:	Group B
Sourcename:	WELL 1	Sourcetype:	Well
Sourcelbl:	S01 / WELL 1	Region:	Eastern
Wria:	38	County:	YAKIMA
Contadd1:	Not Reported	Contadd2:	4104 SPRINGCREEK RD.
Contphone:	(509) 965-1137	Contcity:	YAKIMA
Contstate:	WA	Contzipcd:	98903
Sma:	Not Reported	Smaname:	Not Reported
Usecode:	Permanent		
Capacity:	50		
Treated:	Not Reported	Suscept:	Not Rated
Whpatype:	Not Reported	Doewellid:	Not Reported
Latitude:	46.56925		
Longitude:	-120.553		
Llmethod:	Quarter Quarter Section	Site id:	WA5000000004157

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

21
NNW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS3213436**

Agency cd:	USGS	Site no:	463448120325101
Site name:	13N/18E-26N01		
Latitude:	463448		
Longitude:	1203251	Dec lat:	46.57984859
Dec lon:	-120.54867732	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW SW S26 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19850217
Date inventoried:	19850225	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	57	Hole depth:	57
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1985-02-20	Ground water data end date:	1985-02-20
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1985-02-20	25	

22
SW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS3213970**

Agency cd:	USGS	Site no:	463404120330401
Site name:	13N/18E-34J01		
Latitude:	463404		
Longitude:	1203304	Dec lat:	46.56762636
Dec lon:	-120.55228838	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE SE S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1078		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19510802	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	10	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1951-08-02	Ground water data end date:	1951-08-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951-08-02	6.25	

23
WNW
1/2 - 1 Mile
Higher

FED USGS USGS3213756

Agency cd:	USGS	Site no:	463431120331501
Site name:	13N/18E-34A02		
Latitude:	463430.98		
Longitude:	1203315.13	Dec lat:	46.57512077
Dec lon:	-120.55538021	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NE S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1092		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	20000831	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2000-08-31	Ground water data end date:	2000-08-31
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
2000-08-31	8.73	

24
South
1/2 - 1 Mile
Lower

FED USGS **USGS3214038**

Agency cd:	USGS	Site no:	463356120323201
Site name:	13N/18E-35P02		
Latitude:	463356		
Longitude:	1203232	Dec lat:	46.56540422
Dec lon:	-120.54339923	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE SW S35 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19840710
Date inventoried:	19840713	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	113	Hole depth:	113
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1984-07-12	Ground water data end date:	1984-07-12
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1984-07-12	10	

E25
NE
1/2 - 1 Mile
Higher

FED USGS **USGS3213435**

Agency cd:	USGS	Site no:	463448120321301
Site name:	13N/18E-26Q01		
Latitude:	463448		
Longitude:	1203213	Dec lat:	46.57984868
Dec lon:	-120.53812149	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW SE S26 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19860920
Date inventoried:	19860921	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	132
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

E26
NE
1/2 - 1 Mile
Higher

WA WELLS **WA5000000004221**

Objectid:	26307	Srcid:	26439
Srcrootid:	26439	Wsorgid:	28862
Wsleid:	67479	Wslerootid:	67479
Pwsid:	99130	Srcnum:	01
Pwssrcid:	9913001	Systemname:	YAKIMA VALLEY SPRAY SERVICE
Systemgrp:	B	Systemtype:	Group B
Sourcename:	WELL 1	Sourcetype:	Well
Sourcelbl:	S01 / WELL 1	Region:	Eastern
Wria:	37	County:	YAKIMA
Contadd1:	Not Reported	Contadd2:	1321 S 24TH AVE

Contphone:	Not Reported	Contcity:	YAKIMA
Contstate:	WA	Contzipcd:	98902
Sma:	Not Reported	Smaname:	Not Reported
Usecode:	Permanent		
Capacity:	9999		
Treated:	Not Reported	Suscept:	Not Rated
Whpatype:	Not Reported	Doewellid:	Not Reported
Latitude:	46.58008		
Longitude:	-120.537		
Llmethod:	Quarter Quarter Section	Site id:	WA5000000004221

27
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS3213628**

Agency cd:	USGS	Site no:	463435120315401
Site name:	13N/18E-35A01		
Latitude:	463435		
Longitude:	1203154	Dec lat:	46.57623762
Dec lon:	-120.53284353	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NE S35 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19800415
Date inventoried:	19800515	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	42	Hole depth:	42
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1980-04-15	Ground water data end date:	1980-04-15
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-04-15	16	

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

28
SW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS3213971**

Agency cd:	USGS	Site no:	463404120331401
Site name:	13N/18E-34J02		
Latitude:	463404		
Longitude:	1203314	Dec lat:	46.56762634
Dec lon:	-120.55506623	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE SE S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1185		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19510802	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	11	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1951-08-02	Ground water data end date:	1951-08-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951-08-02	5.47	

29
West
1/2 - 1 Mile
Higher | **FED USGS** | **USGS3213691**

Agency cd:	USGS	Site no:	463422120332901
Site name:	13N/18E-34G01		
Latitude:	463422		
Longitude:	1203329	Dec lat:	46.57262629
Dec lon:	-120.55923306	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW NE S34 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19810928
Date inventoried:	19810930	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	89	Hole depth:	92
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1981-09-28	Ground water data end date:	1981-09-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1981-09-28	8	

30
SW
1/2 - 1 Mile
Higher

FED USGS **USGS3213874**

Agency cd:	USGS	Site no:	463409120332901
Site name:	13N/18E-34R01		
Latitude:	463402.66		
Longitude:	1203319.87	Dec lat:	46.5672541
Dec lon:	-120.55669682	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE SE S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1088		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19820217
Date inventoried:	20000831	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	751	Hole depth:	751
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1982-05-05	Ground water data end date:	1982-05-05
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1982-05-05	-21	

31
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS3213873**

Agency cd:	USGS	Site no:	463409120332801
Site name:	13N/18E-34K02		
Latitude:	463409		
Longitude:	1203328	Dec lat:	46.56901519
Dec lon:	-120.55895523	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SE S34 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19900505
Date inventoried:	19900508	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	70	Hole depth:	77
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-05-08	Ground water data end date:	1990-05-08
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-05-08	8	

32
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS3213633**

Agency cd:	USGS	Site no:	463435120333001
Site name:	13N/18E-34B01		
Latitude:	463435		
Longitude:	1203330	Dec lat:	46.5762374
Dec lon:	-120.55951089	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NE S34 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19731019
Date inventoried:	19731029	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	117	Hole depth:	117
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F33
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS3213846**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	463407120314701
Site name:	13N/18E-35J01		
Latitude:	463407		
Longitude:	1203147	Dec lat:	46.56845987
Dec lon:	-120.53089894	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE SE S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1040		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19250101
Date inventoried:	19510802	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	69	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1951-08-02	Ground water data end date:	2001-03-08
Ground water data count:	48		

Ground-water levels, Number of Measurements: 48

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2001-03-08	-32		1999-08-14	-44	
1999-07-11	-32		1999-06-15	-32	
1999-05-18	-46		1999-04-26	-46	
1999-03-19	-45		1999-01-18	-46	
1998-12-19	-46		1998-11-20	-42	
1998-10-22	-42		1998-09-29	-37	
1998-08-18	-42		1998-07-22	-37	
1998-06-23	-44		1998-05-26	-37	
1998-03-22	-46		1998-02-16	-37	
1997-12-25	-42		1997-11-28	-42	
1997-10-22	-37		1997-09-20	-42	
1997-08-05	-37		1997-07-19	-23	
1997-06-27	-18		1997-05-27	-51	
1997-04-05	-51		1997-03-28	-51	
1997-02-24	-46		1997-01-27	-35	
1996-12-28	-42		1996-11-05	-42	
1996-10-05	-42		1996-10-03	-42	
1996-09-05	-39		1996-08-09	-37	
1996-06-30	-44		1996-05-28	-46	
1996-04-28	-48		1996-04-01	-44	
1996-03-05	-42		1996-02-06	-42	
1996-01-02	-51		1995-12-06	-37	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1995-09-05	-37	
1961-03-13	197	
Note: The site was being pumped.		
1961-02-13	-72	
1951-08-02	7	

34
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS3213388**

Agency cd:	USGS	Site no:	463501120321801
Site name:	13N/18E-26K01		
Latitude:	463501		
Longitude:	1203218	Dec lat:	46.58345978
Dec lon:	-120.53951046	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SE S26 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1080		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19600428
Date inventoried:	19600830	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	117	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1960-04-28	Ground water data end date:	1960-04-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1960-04-28	14	

F35
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS3213996**

Agency cd:	USGS	Site no:	463406120314401
Site name:	13N/18E-35F01		
Latitude:	463406		
Longitude:	1203144	Dec lat:	46.5681821
Dec lon:	-120.53006558	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE NW S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1049		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19680604
Date inventoried:	19680812	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	290	Hole depth:	290
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1968-08-06	Ground water data end date:	1968-08-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1968-08-06	32	

G36
NNE
1/2 - 1 Mile
Higher

FED USGS USGS3213387

Agency cd:	USGS	Site no:	463501120321301
Site name:	13N/18E-26K02		
Latitude:	463501		
Longitude:	1203213	Dec lat:	46.58345979
Dec lon:	-120.53812153	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SE S26 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19890719
Date inventoried:	19890719	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20	Hole depth:	20
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1989-07-19	Ground water data end date:	1989-07-19
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1989-07-19	12	

37
South
1/2 - 1 Mile
Lower

FED USGS **USGS3214196**

Agency cd:	USGS	Site no:	463343120324401
Site name:	12N/18E-03A01		
Latitude:	463343		
Longitude:	1203244	Dec lat:	46.56179308
Dec lon:	-120.54673261	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NE S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19850705
Date inventoried:	19850709	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	130	Hole depth:	130
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1985-07-06	Ground water data end date:	1985-07-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1985-07-06	21	

G38
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS3213386**

Agency cd:	USGS	Site no:	463501120321201
Site name:	13N/18E-26K03		
Latitude:	463501		
Longitude:	1203212	Dec lat:	46.58345979
Dec lon:	-120.53784375	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SE S26 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19890719
Date inventoried:	19890719	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20	Hole depth:	20
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1989-07-19	Ground water data end date:	1989-07-19
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1989-07-19	8	

39
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS3213796**

Agency cd:	USGS	Site no:	463415120333601
Site name:	13N/18E-34(1)		
Latitude:	463415		
Longitude:	1203336	Dec lat:	46.57068184
Dec lon:	-120.56117753	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1030		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19731018
Date inventoried:	19731026	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	117	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1973-10-19	Ground water data end date:	1973-10-19
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1973-10-19	30	

H40
ESE
1/2 - 1 Mile
Lower

FED USGS USGS3213845

Agency cd:	USGS	Site no:	463407120314201
Site name:	13N/18E-36M03		
Latitude:	463406.85		
Longitude:	1203141.75	Dec lat:	46.56841822
Dec lon:	-120.52944057	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SW S36 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1045		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19960422
Date inventoried:	20000912	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	190	Hole depth:	190
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1996-04-24	Ground water data end date:	2000-09-12
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2000-09-12	16.21		1996-04-24	6	

G41
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS3213396**

Agency cd:	USGS	Site no:	463502120321201
Site name:	13N/18E-26K04		
Latitude:	463502		
Longitude:	1203212	Dec lat:	46.58373757
Dec lon:	-120.53784375	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SE S26 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19890825
Date inventoried:	19890908	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	16	Hole depth:	16
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1989-08-25	Ground water data end date:	1989-08-25
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1989-08-25	5	

I42
SSW
1/2 - 1 Mile
Higher

WA WELLS **WA5000000004122**

Objectid:	7749	Srcid:	104149
Srcrootid:	7809	Wsorgid:	69394
Wsleid:	122241	Wslerootid:	53861
Pwsid:	07089	Srcnum:	01
Pwssrcid:	0708901	Systemname:	ROSE WATER SYSTEM
Systemgrp:	B	Systemtype:	Group B
Sourcename:	WELL 1 / AET556	Sourcetype:	Well
Sourcelbl:	S01 / WELL 1 / AET556	Region:	Eastern
Wria:	38	County:	YAKIMA
Contadd1:	Not Reported	Contadd2:	302 S 1st St
Contphone:	(509) 697-4000	Contcity:	Selah
Contstate:	WA	Contzipcd:	98942
Sma:	Not Reported	Smaname:	Not Reported
Usecode:	Permanent		
Capacity:	29		
Treated:	Not Reported	Suscept:	Not Rated
Whpatype:	Not Reported	Doewellid:	Not Reported
Latitude:	46.56203		
Longitude:	-120.551		
Llmethod:	Quarter Quarter Section	Site id:	WA5000000004122

J43
East
1/2 - 1 Mile
Lower

FED USGS **USGS3213687**

Agency cd:	USGS	Site no:	463422120313501
Site name:	13N/18E-36E04		
Latitude:	463422		
Longitude:	1203135	Dec lat:	46.57262656
Dec lon:	-120.52756557	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW NW S36 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19910325
Date inventoried:	19910329	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	180	Hole depth:	180
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1991-03-27	Ground water data end date:	1991-03-27
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1991-03-27	21	

J44
East
1/2 - 1 Mile
Lower

FED USGS **USGS3213682**

Agency cd:	USGS	Site no:	463421120313501
Site name:	13N/18E-36E01		
Latitude:	463421		
Longitude:	1203135	Dec lat:	46.57234879
Dec lon:	-120.52756557	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW NW S36 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19830523
Date inventoried:	19830601	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	65	Hole depth:	65
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1983-05-31	Ground water data end date:	1983-05-31
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1983-05-31	15	

I45
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS3214210**

Agency cd:	USGS	Site no:	463344120330201
Site name:	12N/18E-03B03		
Latitude:	463344		
Longitude:	1203302	Dec lat:	46.56207082
Dec lon:	-120.55173274	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NE S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19770815
Date inventoried:	19770915	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	120	Hole depth:	120
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-08-15	Ground water data end date:	1977-08-15
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-08-15	24	

K46
NW
1/2 - 1 Mile
Higher

FED USGS USGS3213437

Agency cd:	USGS	Site no:	463448120332901
Site name:	13N/18E-27Q02		
Latitude:	463448		
Longitude:	1203329	Dec lat:	46.5798485
Dec lon:	-120.55923315	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW SE S27 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19810212
Date inventoried:	19810312	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	58	Hole depth:	58
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1981-02-12	Ground water data end date:	1981-02-12
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1981-02-12	7	

H47
ESE
1/2 - 1 Mile
Lower

FED USGS USGS3213969

Agency cd:	USGS	Site no:	463404120314101
Site name:	13N/18E-36M01		
Latitude:	463404		
Longitude:	1203141	Dec lat:	46.56762656
Dec lon:	-120.52923222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SW S36 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1046		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19200101
Date inventoried:	19510802	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	15	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1951-08-02	Ground water data end date:	1951-08-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951-08-02	9.66	

J48
East
1/2 - 1 Mile
Lower

FED USGS **USGS3213686**

Agency cd:	USGS	Site no:	463422120313401
Site name:	13N/18E-36E03		
Latitude:	463422		
Longitude:	1203134	Dec lat:	46.57262657
Dec lon:	-120.52728779	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW NW S36 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19900625
Date inventoried:	19900628	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	120	Hole depth:	120
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-06-26	Ground water data end date:	1990-06-26
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-06-26	21	

J49
East
1/2 - 1 Mile
Lower

FED USGS **USGS3213681**

Agency cd:	USGS	Site no:	463421120313401
Site name:	13N/18E-36E02		
Latitude:	463421		
Longitude:	1203134	Dec lat:	46.57234879
Dec lon:	-120.52728779	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW NW S36 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19890623
Date inventoried:	19890626	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	90	Hole depth:	98
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1989-06-23	Ground water data end date:	1989-06-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1989-06-23	19	

50
ENE
1/2 - 1 Mile
Lower

FED USGS USGS3213621

Agency cd:	USGS	Site no:	463434120313501
Site name:	13N/18E-36D01		
Latitude:	463434		
Longitude:	1203135	Dec lat:	46.57595989
Dec lon:	-120.52756561	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NW S36 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19800403
Date inventoried:	19800403	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20	Hole depth:	20
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1980-04-03	Ground water data end date:	1980-04-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-04-03	13	

I51
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS3214197**

Agency cd:	USGS	Site no:	463343120330201
Site name:	12N/18E-03B02		
Latitude:	463343		
Longitude:	1203302	Dec lat:	46.56179304
Dec lon:	-120.55173274	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NE S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19770812
Date inventoried:	19770915	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	115	Hole depth:	115
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-08-12	Ground water data end date:	1977-08-12
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-08-12	25	

I52
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS3214198**

Agency cd:	USGS	Site no:	463343120330301
Site name:	12N/18E-03B01		
Latitude:	463343		
Longitude:	1203303	Dec lat:	46.56179304
Dec lon:	-120.55201052	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW NE S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19770806
Date inventoried:	19770825	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	121	Hole depth:	121
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-08-06	Ground water data end date:	1977-08-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-08-06	40	

K53
NW
1/2 - 1 Mile
Higher

FED USGS **USGS3213479**

Agency cd:	USGS	Site no:	463450120333001
Site name:	13N/18E-27Q01		
Latitude:	463450		
Longitude:	1203330	Dec lat:	46.58040406
Dec lon:	-120.55951094	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW SE S27 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19481123
Date inventoried:	19531104	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	100	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1949-05-02	Ground water data end date:	1949-05-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1949-05-02	15	

L54
SE
1/2 - 1 Mile
Lower

FED USGS USGS3214152

Agency cd:	USGS	Site no:	463352120314901
Site name:	13N/18E-35R02		
Latitude:	463352		
Longitude:	1203149	Dec lat:	46.56429321
Dec lon:	-120.53145446	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE SE S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1040		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19791117	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	422	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

L55
SE
1/2 - 1 Mile
Lower

FED USGS USGS3214151

Agency cd:	USGS	Site no:	463352120314701
Site name:	13N/18E-35R01		
Latitude:	463352		
Longitude:	1203147	Dec lat:	46.56429321
Dec lon:	-120.53089889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE SE S35 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1040		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19510321	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	65	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1951-03-21	Ground water data end date:	1951-03-21
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951-03-21	55	

56
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS3213952**

Agency cd:	USGS	Site no:	463359120333501
Site name:	13N/18E-34Q01		
Latitude:	463359		
Longitude:	1203335	Dec lat:	46.5662374
Dec lon:	-120.5608997	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SW SE S34 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19780526
Date inventoried:	19780601	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	350	Hole depth:	352
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1978-05-31	Ground water data end date:	1978-05-31
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1978-05-31	60	

57
West
1/2 - 1 Mile
Higher

FED USGS **USGS3213692**

Agency cd:	USGS	Site no:	463422120334801
Site name:	13N/18E-34F01		
Latitude:	463422		
Longitude:	1203348	Dec lat:	46.57262625
Dec lon:	-120.56451098	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE NW S34 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19770715
Date inventoried:	19770722	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	75	Hole depth:	75
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-07-21	Ground water data end date:	1977-07-21
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-07-21	6	

58
South
1/2 - 1 Mile
Higher

FED USGS **USGS3214291**

Agency cd:	USGS	Site no:	463335120324501
Site name:	12N/18E-03H02		
Latitude:	463335		
Longitude:	1203245	Dec lat:	46.55957086
Dec lon:	-120.54701037	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE NE S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19760101
Date inventoried:	19760624	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	14	Hole depth:	14
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1976-06-22	Ground water data end date:	1976-06-22
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1976-06-22	6	

59
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS3213844**

Agency cd:	USGS	Site no:	463407120313001
Site name:	13N/18E-36M02		
Latitude:	463407		
Longitude:	1203130	Dec lat:	46.56845991
Dec lon:	-120.5261766	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NW SW S36 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1042		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19760128
Date inventoried:	19760202	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	80	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1976-01-30	Ground water data end date:	1976-01-30
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1976-01-30	17.5	

M60
SW
1/2 - 1 Mile
Higher

FED USGS **USGS3214211**

Agency cd:	USGS	Site no:	463344120332101
Site name:	12N/18E-03C04		
Latitude:	463344		
Longitude:	1203321	Dec lat:	46.56207077
Dec lon:	-120.55701066	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19770802
Date inventoried:	19770825	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	115	Hole depth:	115
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-08-02	Ground water data end date:	1977-08-02
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-08-02	20	

M61
SW
1/2 - 1 Mile
Higher

FED USGS **USGS3214212**

Agency cd:	USGS	Site no:	463344120332202
Site name:	12N/18E-03C05D1		
Latitude:	463344		
Longitude:	1203322	Dec lat:	46.56207077
Dec lon:	-120.55728844	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19870121
Date inventoried:	19870121	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	70	Hole depth:	70
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1987-01-21	Ground water data end date:	1987-01-21
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1987-01-21	22	

M62
SW
1/2 - 1 Mile
Higher

FED USGS USGS3214199

Agency cd:	USGS	Site no:	463343120332101
Site name:	12N/18E-03C03		
Latitude:	463343		
Longitude:	1203321	Dec lat:	46.561793
Dec lon:	-120.55701065	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19770801
Date inventoried:	19770804	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	122	Hole depth:	122
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-08-01	Ground water data end date:	1977-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-08-01	17	

63
WSW **FED USGS** **USGS3213788**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	463413120334901
Site name:	13N/18E-34L01		
Latitude:	463413		
Longitude:	1203349	Dec lat:	46.57012625
Dec lon:	-120.56478873	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE SW S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19750728
Date inventoried:	19750830	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1975-07-28	Ground water data end date:	1975-07-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1975-07-28	5.5	

64
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS3213875**

Agency cd:	USGS	Site no:	463409120334801
Site name:	13N/18E-34L04		
Latitude:	463409		
Longitude:	1203348	Dec lat:	46.56901514
Dec lon:	-120.56451093	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE SW S34 T13N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19840127
Date inventoried:	19840127	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	118	Hole depth:	120
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1984-10-27	Ground water data end date:	1984-10-27
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1984-10-27	10	

M65
SW
1/2 - 1 Mile
Higher

FED USGS **USGS3214200**

Agency cd:	USGS	Site no:	463343120332201
Site name:	12N/18E-03C02		
Latitude:	463343		
Longitude:	1203322	Dec lat:	46.561793
Dec lon:	-120.55728844	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE NW S03 T12N R18E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99		
Altitude method:	Unknown		
Altitude accuracy:	999		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19770729
Date inventoried:	19770804	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	103	Hole depth:	103
Source of depth data:	driller		
Project number:	WA00228		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-07-29	Ground water data end date:	1977-07-29
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1977-07-29	57	

66
South
1/2 - 1 Mile
Lower

FED USGS **USGS3214497**

Agency cd:	USGS	Site no:	463332120323601
Site name:	12N/18E-03H03		
Latitude:	463332.5		
Longitude:	1203236.1	Dec lat:	46.55887644
Dec lon:	-120.54453807	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE NE S03 T12N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1068		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19940627
Date inventoried:	20000911	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	163	Hole depth:	163
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1994-06-29	Ground water data end date:	2002-03-26
Ground water data count:	5		

Ground-water levels, Number of Measurements: 5

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-03-26	7.27				
Note: The site had been pumped recently.					
2001-08-22	24.46		2001-03-14	5.30	
2000-09-11	23.04		1994-06-29	23	

67
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS3213962**

Agency cd:	USGS	Site no:	463403120334601
Site name:	13N/18E-34J03		
Latitude:	463403		
Longitude:	1203346	Dec lat:	46.56734848
Dec lon:	-120.56395534	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	NE SE S34 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19610324
Date inventoried:	19610420	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	32	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1961-03-24	Ground water data end date:	1961-03-24
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1961-03-24	7	

68
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS3213211**

Agency cd:	USGS	Site no:	463514120334701
Site name:	13N/18E-27P01		
Latitude:	463442.86		
Longitude:	1203347.10	Dec lat:	46.57842068
Dec lon:	-120.56426104	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	077
Country:	US	Land net:	SE SW S27 T13N R18E W
Location map:	YAKIMA WEST	Map scale:	24000
Altitude:	1100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Yakima, Washington. Area = 2950 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19900309
Date inventoried:	20000830	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	UNCLASSIFIED OVERBURDEN		
Well depth:	60	Hole depth:	60
Source of depth data:	driller		
Project number:	WA43900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-03-09	Ground water data end date:	1990-03-09
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1990-03-09	4	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for YAKIMA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98902

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.859 pCi/L	94%	6%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.583 pCi/L	94%	6%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells
Source: Department of Health
Telephone: 360-236-3148
Group A and B well locations.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX B

EDR Aerial Photo Decade Package

2720 W. Washington Ave.
2720 W. Washington Ave.
Yakima, WA 98902

Inquiry Number: 2466396.5
April 14, 2009

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography April 14, 2009

Target Property:

2720 W. Washington Ave.
Yakima, WA 98902

Year	***Scale***	***Details***	***Source***
1971	Aerial Photograph. Scale: 1"=1000'	Panel #: 2446120-E5/Flight Date: September 08, 1971	EDR
1981	Aerial Photograph. Scale: 1"=1000'	Panel #: 2446120-E5/Flight Date: July 22, 1981	EDR
1990	Aerial Photograph. Scale: 1"=750'	Panel #: 2446120-E5/Flight Date: June 18, 1990	EDR
1996	Aerial Photograph. Scale: 1"=750'	Panel #: 2446120-E5/Flight Date: July 21, 1996	EDR
2006	Aerial Photograph. Scale: 1"=538'	Flight Year: 2006	EDR

INQUIRY #: 2466396.5
YEAR: 1971
= 1000'
N

INQUIRY #: 2466396.5
YEAR: 1981
= 1000'
N

INQUIRY #: 2466396.5
YEAR: 1990
= 750'
N

INQUIRY #: 2466396.5
YEAR: 1996
= 750'
N

INQUIRY #: 2466396.5
YEAR: 2006
= 538'
N

APPENDIX C

EDR Topographic Map Report

2720 W. Washington Ave.
2720 W. Washington Ave.
Yakima, WA 98902

Inquiry Number: 2466396.4
April 13, 2009

The EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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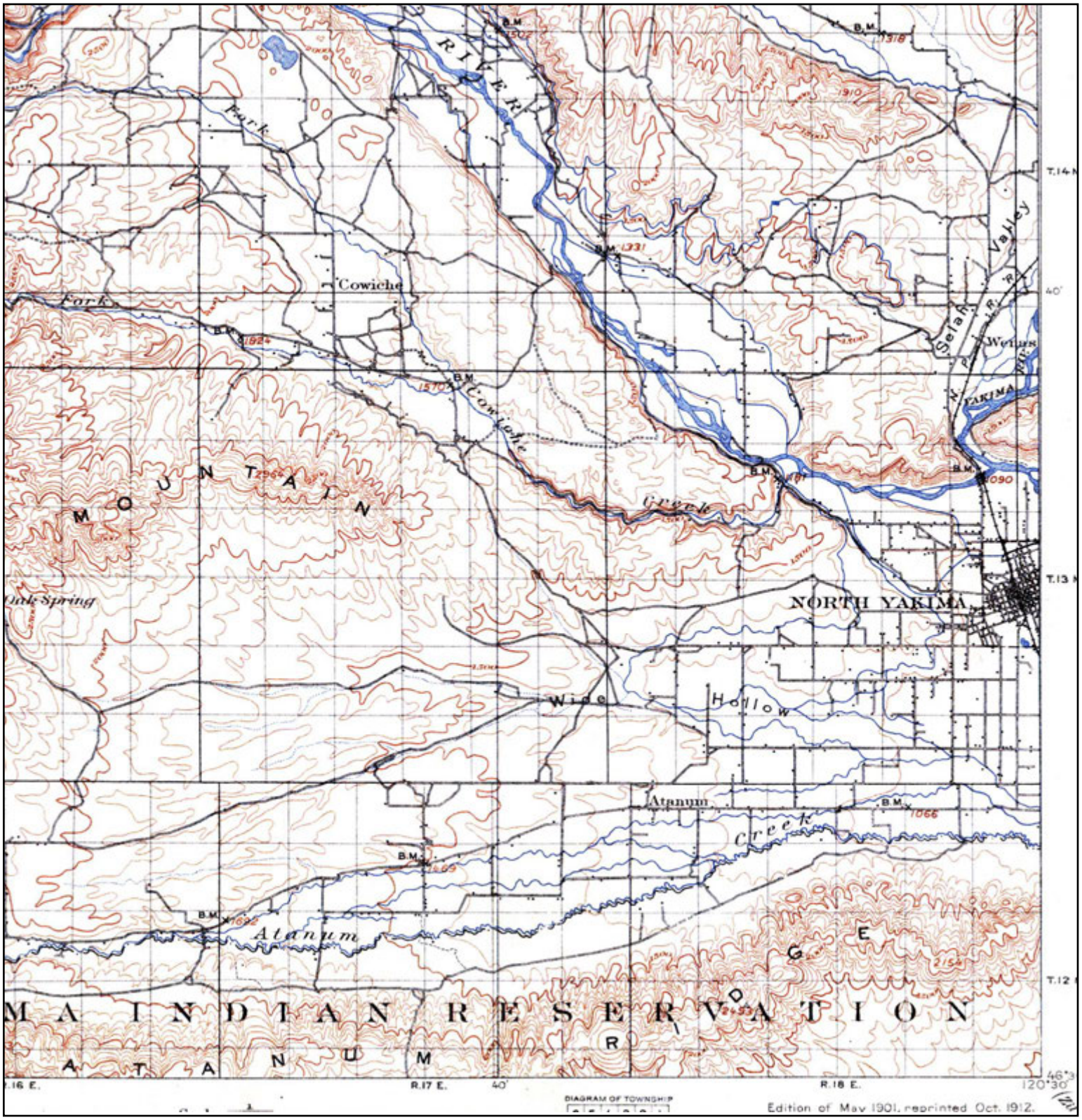
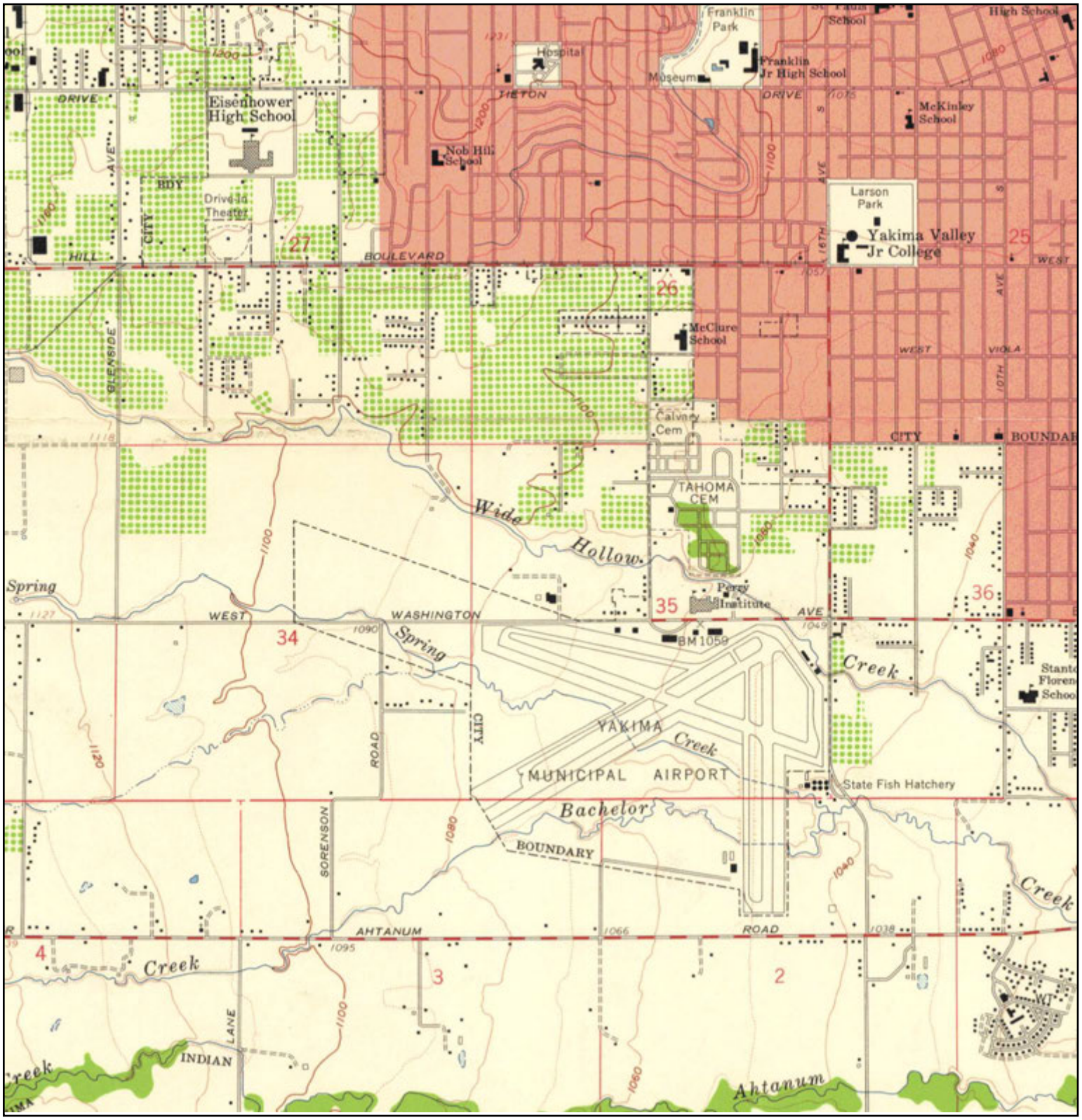
Historical Topographic Map



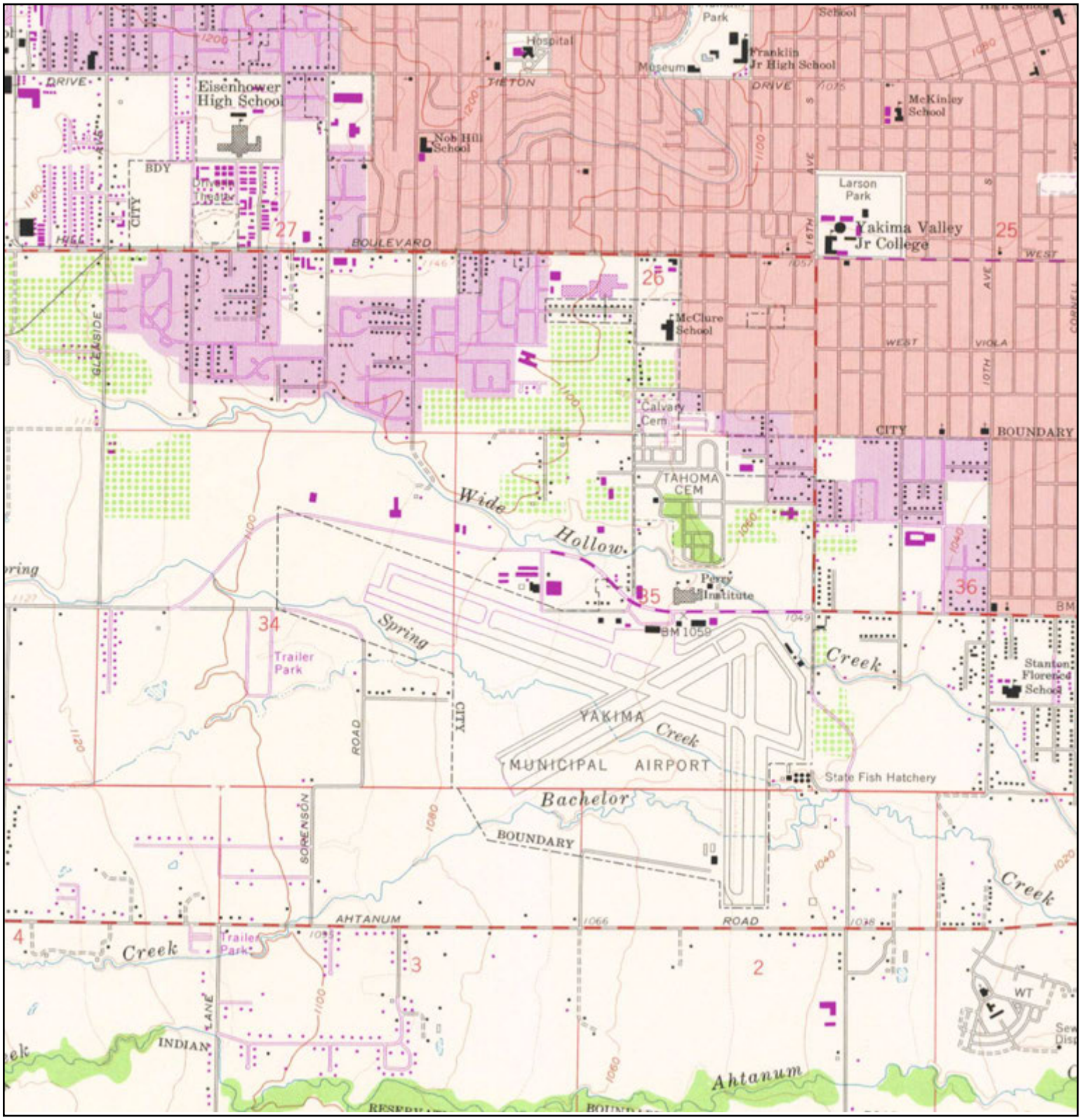
N	TARGET QUAD NAME: Ellensburg, WA MAP YEAR: 1901 SERIES: 30 SCALE: 1:125,000	SITE NAME: 2720 W. Washington Ave. ADDRESS: 2720 W. Washington Ave. Yakima, WA 98902 LAT/LONG: 46.5731 / 120.544	CLIENT: Montgomery Watson CONTACT: Rovelle Federico INQUIRY#: 2466396.4 RESEARCH DATE: 04/13/2009

Historical Topographic Map



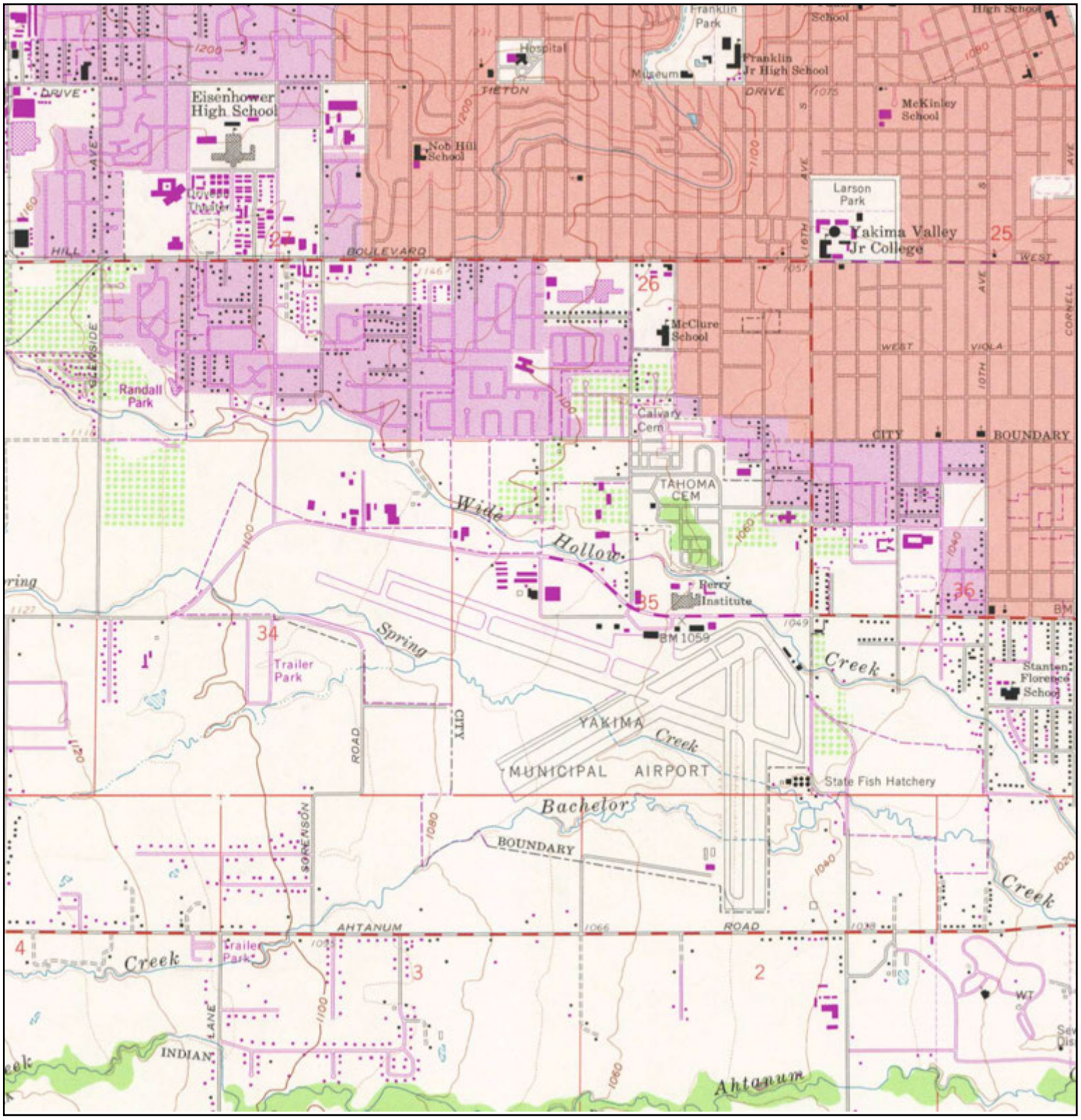
N	TARGET QUAD NAME: Yakima West, WA MAP YEAR: 1958 SERIES: 7.5 SCALE: 1:24,000	SITE NAME: 2720 W. Washington Ave. ADDRESS: 2720 W. Washington Ave. Yakima, WA 98902 LAT/LONG: 46.5731 / 120.544	CLIENT: Montgomery Watson CONTACT: Rovelle Federico INQUIRY#: 2466396.4 RESEARCH DATE: 04/13/2009

Historical Topographic Map



N	TARGET QUAD NAME: Yakima West, WA MAP YEAR: 1974 PHOTOREVISED FROM:1958 SERIES: 7.5 SCALE: 1:24,000	SITE NAME: 2720 W. Washington Ave. ADDRESS: 2720 W. Washington Ave. Yakima, WA 98902 LAT/LONG: 46.5731 / 120.544	CLIENT: Montgomery Watson CONTACT: Rovelle Federico INQUIRY#: 2466396.4 RESEARCH DATE: 04/13/2009

Historical Topographic Map



N	TARGET QUAD NAME: Yakima West, WA MAP YEAR: 1985 PHOTOREVISED FROM:1958 SERIES: 7.5 SCALE: 1:24,000	SITE NAME: 2720 W. Washington Ave. ADDRESS: 2720 W. Washington Ave. Yakima, WA 98902 LAT/LONG: 46.5731 / 120.544	CLIENT: Montgomery Watson CONTACT: Rovelle Federico INQUIRY#: 2466396.4 RESEARCH DATE: 04/13/2009

APPENDIX D

EDR City Directory Abstract

2720 W. Washington Ave.
2720 W. Washington Ave.
Yakima, WA 98902

Inquiry Number: 2466396.6
April 15, 2009

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

Thank you for your business.
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2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2008	Polk's City Directory	X	X	X	-
2003	Polk's City Directory	X	X	X	-
1998	Polk's City Directory	X	X	X	-
1993	Polk's City Directory	X	X	X	-
1988	Polk's City Directory	X	X	X	-
1983	Polk's City Directory	-	X	X	-
1978	Polk's City Directory	-	X	X	-
1974	Polk's City Directory	-	X	X	-
1969	Polk's City Directory	-	X	X	-
1964	Polk's City Directory	-	X	X	-
1951	Polk's City Directory	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
2808 W. Washington Ave.	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2720 W. Washington Ave.
Yakima, WA 98902

FINDINGS DETAIL

Target Property research detail.

Year	*Uses*	*Source*
2008	Smiths Aerospace Mech Systems (aircraft component mfr)	Polk's City Directory
2003	Smiths Aerospace Actuation (aircraft component mfr)	Polk's City Directory
1998	Dowty Aerospace Yakima (aircraft component mfr)	Polk's City Directory
1993	Dowty Aerospace Yakima (hydraulic components)	Polk's City Directory
1988	Dowty Decoto Inc (hydraulic components)	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

W. Washington Ave.

2520 W. Washington Ave.

Year	Uses	Source
2008	Granite Northwest Inc (indus equip)	Polk's City Directory
2003	Christa McAuliffe Academy	Polk's City Directory
	Columbia Publishing & Design	Polk's City Directory
	Yakima Processors Inc	Polk's City Directory
1998	Columbia Publishing	Polk's City Directory
	Eagle Business Consulting	Polk's City Directory
	Tenneco Packaging	Polk's City Directory
	Yakima Indian Petroleum	Polk's City Directory
1993	Blaze Construction Inc	Polk's City Directory
	Gray Surveying	Polk's City Directory
1988	Gray Surveying	Polk's City Directory

2575 W. Washington Ave.

Year	Uses	Source
1983	Quality Body & Paint	Polk's City Directory

2601 W. Washington Ave.

Year	Uses	Source
2008	US Civil Air Patrol	Polk's City Directory
	Zikes Produce (frts/veg)	Polk's City Directory
1988	Vacant	Polk's City Directory

2801 W. Washington Ave.

Year	Uses	Source
2008	Accurate Metallurgical Inc (heat trtg mtl)	Polk's City Directory
2003	Accurate Metallurgical Inc (heat trtg mtl)	Polk's City Directory
1983	Decoto Aircraft Inc (aircraft parts)	Polk's City Directory
1978	Decoto Aircraft Inc (aircraft parts)	Polk's City Directory
1974	Decoto Aircraft Inc (aircraft parts)	Polk's City Directory
1969	Decoto Aircraft Inc (aircraft parts)	Polk's City Directory
1964	Decoto Bros Aircraft Div Inc (aircraft parts mfr)	Polk's City Directory

FINDINGS

2803 W. Washington Ave.

Year	Uses	Source
2008	No current listing	Polk's City Directory

2804 W. Washington Ave.

Year	Uses	Source
2008	Solar Graphics Inc	Polk's City Directory
2003	Intermountain Cleaning Svc Inc	Polk's City Directory
	Motorhead Auto Detail	Polk's City Directory
	Solar Graphics Inc	Polk's City Directory
	Specialty Detail	Polk's City Directory
1998	Horizon Concepts	Polk's City Directory
	Intermountain Cleaning Svc Inc	Polk's City Directory
	Scuba Mule	Polk's City Directory
	Solar Graphics Inc	Polk's City Directory
	Spanton Business Forms	Polk's City Directory
	Specialty Detail	Polk's City Directory
	Yakima Industrial Electric	Polk's City Directory
1993	Computer Professional Inc	Polk's City Directory
	Maximum Fix Laboratories	Polk's City Directory
	Open Door Prefinish	Polk's City Directory
	Solar Graphics Inc	Polk's City Directory
	Yakima Plastics	Polk's City Directory
1988	Northwest Challenger Boats	Polk's City Directory

FINDINGS

TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

Address Researched	Address Not Listed in Research Source
2720 W. Washington Ave.	1983, 1978, 1974, 1969, 1964, 1951

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched	Address Not Listed in Research Source
2520 W. Washington Ave.	1983, 1978, 1974, 1969, 1964, 1951
2575 W. Washington Ave.	1978, 1974, 1969, 1964, 1951
2601 W. Washington Ave.	2003, 1998, 1993, 1983, 1978, 1974, 1969, 1964, 1951
2801 W. Washington Ave.	1998, 1993, 1988, 1951
2803 W. Washington Ave.	2003, 1998, 1993, 1988, 1983, 1978, 1974, 1969, 1964, 1951
2804 W. Washington Ave.	1983, 1978, 1974, 1969, 1964, 1951
2808 W. Washington Ave.	2008, 2003, 1998, 1993, 1988, 1983, 1978, 1974, 1969, 1964, 1951

APPENDIX E

EDR Certified Sanborn® Map Report

2720 W. Washington Ave.
2720 W. Washington Ave.
Yakima, WA 98902

Inquiry Number: 2466396.3
April 13, 2009

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

4/13/09

Site Name:
2720 W. Washington Ave.
2720 W. Washington Ave.
Yakima, WA 98902

Client Name:
Montgomery Watson
3050 Saturn Street
Brea, CA 92821

EDR Inquiry # 2466396.3

Contact: Rovelle Federico

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Montgomery Watson were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 2720 W. Washington Ave.
Address: 2720 W. Washington Ave.
City, State, Zip: Yakima, WA 98902
Cross Street:
P.O. # NA
Project: NA
Certification # E058-4506-908A

Sanborn® Library search results
Certification # E058-4506-908A

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

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APPENDIX F

Photographic Log

MWH

Photographic Log

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 1

Photo Location:
Main Facility Exterior

Direction:
Southeast

Survey Date:
4/13/2009

Comments:
Exterior view of Main Facility and north parking area. Main facility surrounded on all sides by asphalt paved parking areas, access roads, and grass covered landscaping.

FileName:
IMG_1075.jpg

Photograph ID: 2

Photo Location:
Main Facility Exterior

Direction:
West

Survey Date:
4/13/2009

Comments:
Access road to north parking area from South 28th Avenue.

FileName:
IMG_1078.jpg

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 3	
Photo Location: Main Facility Exterior	
Direction: Northwest	
Survey Date: 4/13/2009	
Comments: South 28th Avenue accessed from West Washington Avenue. Roland Dakoto Flying Services property is adjacent and west of S. 28th Ave. Two aboveground storage tanks (contents unknown) observed on this property.	
FileName: IMG_1095.jpg	
Photograph ID: 4	
Photo Location: Main Facility Exterior	
Direction: South	
Survey Date: 4/13/2009	
Comments: According to site contact, this structure houses a groundwater well. Water from this well is reportedly used for irrigation purposes for the Main Facility landscaped areas.	
FileName: IMG_1079.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 5	
Photo Location: Main Facility Exterior	
Direction: East	
Survey Date: 4/13/2009	
Comments: Electrical transformer located on northwest corner of Main Facility. No labels identifying PCB content were observed. No cracking or staining observed. Outdoor storage area for Main Facility visible on right side of photo.	
FileName: IMG_1081.jpg	
Photograph ID: 6	
Photo Location: Main Facility Exterior	
Direction: Southeast	
Survey Date: 4/13/2009	
Comments: Outdoor storage for the Main Facility. Includes scrap metal containers, new product containers, empty drum storage, liquid nitrogen storage, and hazardous waste storage.	
FileName: IMG_1082.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 7 **Photo Location:** Main Facility Exterior **Direction:** North **Survey Date:** 4/13/2009 **Comments:** South 28th Avenue. This is the access road from West Washington Avenue to the facilities. **FileName:** IMG_1080.jpg	
Photograph ID: 8 **Photo Location:** Main Facility Exterior **Direction:** South **Survey Date:** 4/13/2009 **Comments:** South 28th Avenue looking south towards the Yakima Airport. Main Facility is on the left, and the Leased Facility is on the right. **FileName:** IMG_1083.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 9 **Photo Location:** Main Facility Exterior **Direction:** East **Survey Date:** 4/13/2009 **Comments:** South parking area for the Main Facility. **FileName:** IMG_1053.jpg	
Photograph ID: 10 **Photo Location:** Main Facility Exterior **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Access road between facilities. Yakima Airport is beyond the fencing. **FileName:** IMG_1054.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 11 **Photo Location:** Main Facility Exterior **Direction:** West **Survey Date:** 4/13/2009 **Comments:** South parking area looking west. **FileName:** IMG_1062.jpg	
Photograph ID: 12 **Photo Location:** Main Facility Exterior **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Storage containers in the south parking area of the Main Facility. Containers used for parts storage by the maintenance and engineering test groups. **FileName:** IMG_1065.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 13 **Photo Location:** Main Facility Exterior **Direction:** East **Survey Date:** 4/13/2009 **Comments:** Adjacent property to the east is occupied by Granite Northwest. **FileName:** IMG_1059.jpg	
Photograph ID: 14 **Photo Location:** Main Facility Exterior **Direction:** Northeast **Survey Date:** 4/13/2009 **Comments:** View from south parking area to the northeast. Area is unpaved beyond the south parking area to the neighboring property to the east. **FileName:** IMG_1058.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 15 **Photo Location:** Main Facility Exterior **Direction:** North **Survey Date:** 4/13/2009 **Comments:** Southeast corner of south parking area for the Main Facility. **FileName:** IMG_1057.jpg	
Photograph ID: 16 **Photo Location:** Main Facility Exterior **Direction:** Northwest **Survey Date:** 4/13/2009 **Comments:** Southeast corner of south parking area for the Main Facility. **FileName:** IMG_1063.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 17 **Photo Location:** Main Facility Exterior **Direction:** North **Survey Date:** 4/13/2009 **Comments:** North lawn of Main Facility. West Washington Avenue is running east/west adjacent to northern property boundary. Wide Hollow Creek is beyond the trees. **FileName:** IMG_1066.jpg	
Photograph ID: 18 **Photo Location:** Main Facility Exterior **Direction:** South **Survey Date:** 4/13/2009 **Comments:** North lawn of Main Facility looking south towards Yakima Airport. **FileName:** IMG_1068.jpg	

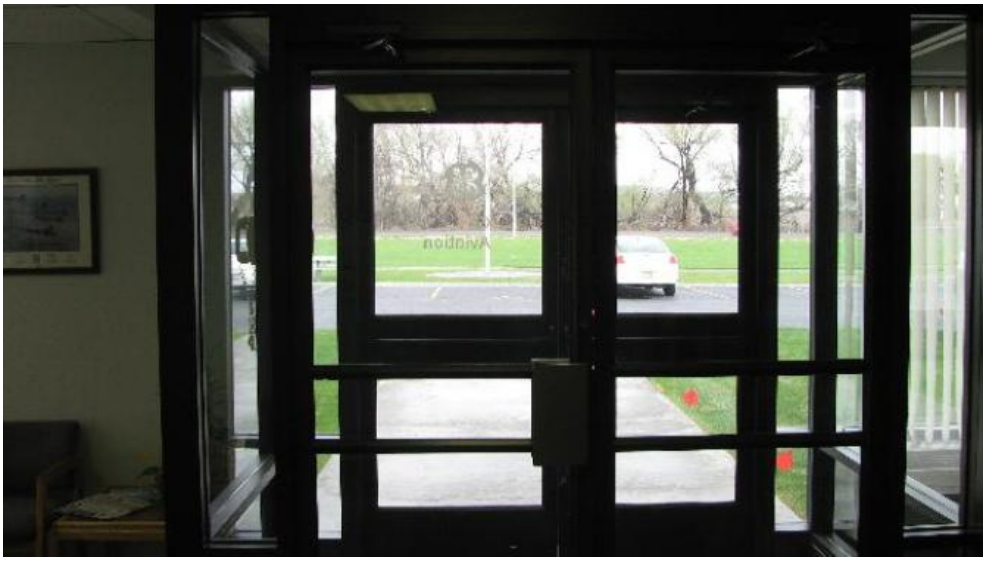
Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 19 **Photo Location:** Main Facility Exterior **Direction:** South **Survey Date:** 4/13/2009 **Comments:** View of northeast corner of facility and north lawn. **FileName:** IMG_1069.jpg	
Photograph ID: 20 **Photo Location:** Main Facility Exterior **Direction:** West **Survey Date:** 4/13/2009 **Comments:** Landscaped area on north side of the Main Facility. **FileName:** IMG_1070.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 21 **Photo Location:** Main Facility Exterior **Direction:** West **Survey Date:** 4/13/2009 **Comments:** Landscaped area on north side of the Main Facility. **FileName:** IMG_1071.jpg	
Photograph ID: 22 **Photo Location:** Main Facility Exterior **Direction:** Northwest **Survey Date:** 4/13/2009 **Comments:** Landscaped area on north side of the Main Facility. West Washington Avenue is on the far right of photo. **FileName:** IMG_1072.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 23 **Photo Location:** Main Facility **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Entrance to the Main Facility. Security controlled double entry doors. The main facility consists of two floors. Top floor consists of office space. Main manufacturing operations are performed on the ground level. **FileName:** IMG_1085.jpg	
Photograph ID: 24 **Photo Location:** Main Facility **Direction:** North **Survey Date:** 4/13/2009 **Comments:** Entrance to the Main Facility. Security controlled double entry doors. **FileName:** IMG_1087.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 25 **Photo Location:** Main Facility **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Reception desk at entrance to Main Facility. Desk is no longer staffed and a steel framed, glass security wall with locked door (left side of photo) was installed. A security badging program is in place for the facility. visitors. **FileName:** IMG_1086.jpg	
Photograph ID: 26 **Photo Location:** Main Facility **Direction:** North **Survey Date:** 4/13/2009 **Comments:** Typical office space located on second floor. **FileName:** IMG_1088.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 27	
Photo Location: Main Facility	
Direction: East	
Survey Date: 4/13/2009	
Comments: Skydrol Oil Pump Room. Contains pumping equipment for supplying skydrol oil to hydraulic test equipment in the southeast corner of the facility. Equipment and materials surrounding pumps in this room are on top of metal grating. Staining was observed on the concrete floor beneath the grating. No cracks observed in concrete floor.	
FileName: IMG_0996.jpg	

Photograph ID: 28	
Photo Location: Main Facility	
Direction: West	
Survey Date: 4/13/2009	
Comments: Skydrol Oil Pump Room. Pumping equipment in this room was on secondary containment consisting of 120-gallon stainless steel day tanks.	
FileName: IMG_0997.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 29

Photo Location:
Main Facility

Direction:
Down

Survey Date:
4/13/2009

Comments:
Sump in Skydrol Oil Pump Room. According to site contact, sump is approximately 3 feet deep (50 gallon capacity). Waste oil/water collected in this sump is pumped to a oil recovery system. Condition of sump unknown due to inaccessibility.

FileName:
IMG_0998.jpg

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 30

Photo Location:
Main Facility

Direction:
East

Survey Date:
4/13/2009

Comments:
Mill Oil Pump Room. Contains pumping equipment for supplying mill oil to hydraulic test equipment in the southeast corner of the facility. Pumping equipment on secondary containmnet consisting of 120-gallon stainless steel day tanks. Equipment and materials in this room are on top of metal grating. Staining was observed on the concrete floor beneath the grating. No cracks observed in concrete floor.

FileName:
IMG_0999.jpg

Photograph ID: 31

Photo Location:
Main Facility

Direction:
Down

Survey Date:
4/13/2009

Comments:
Sump in Mill Oil Room. According to site contact. sump is approximatley 3 feet deep (50 gallon capacity). Sump collects waste oil/water and pumps to oil recovery system.

FileName:
IMG_1000.jpg

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 32	
Photo Location: Main Facility	
Direction: Down	
Survey Date: 4/13/2009	
Comments: Drums containing hydraulic oil in Mill Oil Pump Room. Drums contained Castrol Brayco Micronic 756 and 882, and Exxon HyJet IV-A.	
FileName: IMG_1001.jpg	
Photograph ID: 33	
Photo Location: Main Facility	
Direction: Down	
Survey Date: 4/13/2009	
Comments: Stainless steel day tank (120-gallon capacity) used for secondary containment for pumping equipment in oil pump rooms. Hydraulic oil was observed in this secondary containment system. No cracking observed in secondary containment systems.	
FileName: IMG_1002.jpg	

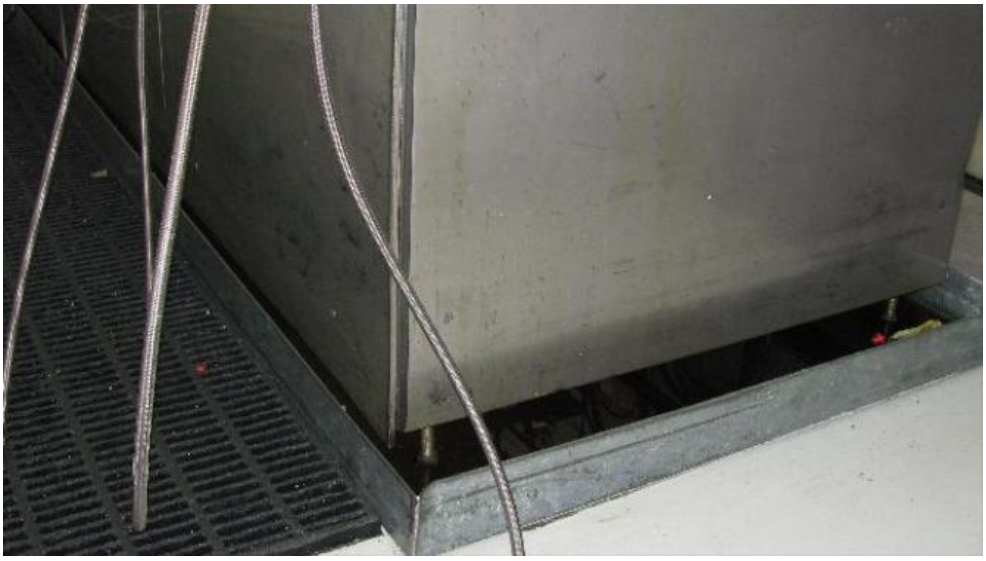
Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 34	
Photo Location: Main Facility	
Direction: North	
Survey Date: 4/13/2009	
Comments: Hydraulic oil from oil pump rooms is routed through piping in an approximatley 2 foot deep trench located in the southeastern corner of the building. Staining was observed at the entrance to the trench system. Condition of trench could not be determined due to inaccessibility.	
FileName: IMG_1004.jpg	
Photograph ID: 35	
Photo Location: Main Facility	
Direction: North	
Survey Date: 4/13/2009	
Comments: Hydraulic Oil Coolant Room adjacent to Skydrol Oil Pump Room. Room is self enclosed (secondary containment). No staining or cracking was observed in the concrete floor.	
FileName: IMG_1005.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 36 **Photo Location:** Main Facility **Direction:** Up **Survey Date:** 4/13/2009 **Comments:** Roof mounted chiller above Hydraulic Oil Coolant Room. **FileName:** IMG_1006.jpg	
Photograph ID: 37 **Photo Location:** Main Facility **Direction:** Up **Survey Date:** 4/13/2009 **Comments:** Roof mounted chiller above Skydrol Oil Pump Room. **FileName:** IMG_1007.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 38 **Photo Location:** Main Facility **Direction:** Down **Survey Date:** 4/13/2009 **Comments:** Skydrol Test Area, bench #6. Example of stainless steel secondary containment system implemented for hydraulic test equipment at facility. No leaks from secondary containment systems observed. **FileName:** IMG_1008.jpg	
Photograph ID: 39 **Photo Location:** Main Facility **Direction:** Northwest **Survey Date:** 4/13/2009 **Comments:** Water evaporator system reportedly permitted for maximum 8,000 lbs of air emissions annually. Approximately 5,000 lbs of TCE degreaser was used by the facility in 2008. **FileName:** IMG_1009.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 40 **Photo Location:** Main Facility **Direction:** Southwest **Survey Date:** 4/13/2009 **Comments:** TCE degreasing system adjacent to water evaporator system. **FileName:** IMG_1093.jpg	
Photograph ID: 41 **Photo Location:** Main Facility **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Paint booth. Four flammable storage cabinets located in this room containing paints and acetone. Approximately 70 gallons of paint and 70 gallons of paint thinner used in 2008. **FileName:** IMG_1010.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 42	
Photo Location: Main Facility	
Direction: South	
Survey Date: 4/13/2009	
Comments: Cleaning/Rinsing/Etching Station. Closed-loop system. Turco Acid used in process. Equipment on secondary containment.	
FileName: IMG_1011.jpg	
Photograph ID: 43	
Photo Location: Main Facility	
Direction: West	
Survey Date: 4/13/2009	
Comments: Dye Penetrant Test Area utliizing a solution containing hexavalent chromium. Closed-loop system.	
FileName: IMG_1012.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 44

Photo Location:
Main Facility

Direction:
West

Survey Date:
4/13/2009

Comments:
One of three mop waste water collection stations. Waste water in this collection tank is routed through above ground piping to the water evaporator system. Non-coated concrete flooring was observed throughout the ground level with exception to office areas which were carpeted.

FileName:
IMG_1013.jpg

Photograph ID: 45

Photo Location:
Main Facility

Direction:
East

Survey Date:
4/13/2009

Comments:
Parts washer/polisher. Closed-loop system on secondary containment. No staining was observed on the concrete flooring around this equipment.

FileName:
IMG_1014.jpg

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 46

Photo Location:
Main Facility

Direction:
Down

Survey Date:
4/13/2009

Comments:
Typical set-up adjacent to manufacturing equipment using oil. Note oil containment basin and absorbent pads.

FileName:
IMG_1015.jpg

Photograph ID: 47

Photo Location:
Main Facility

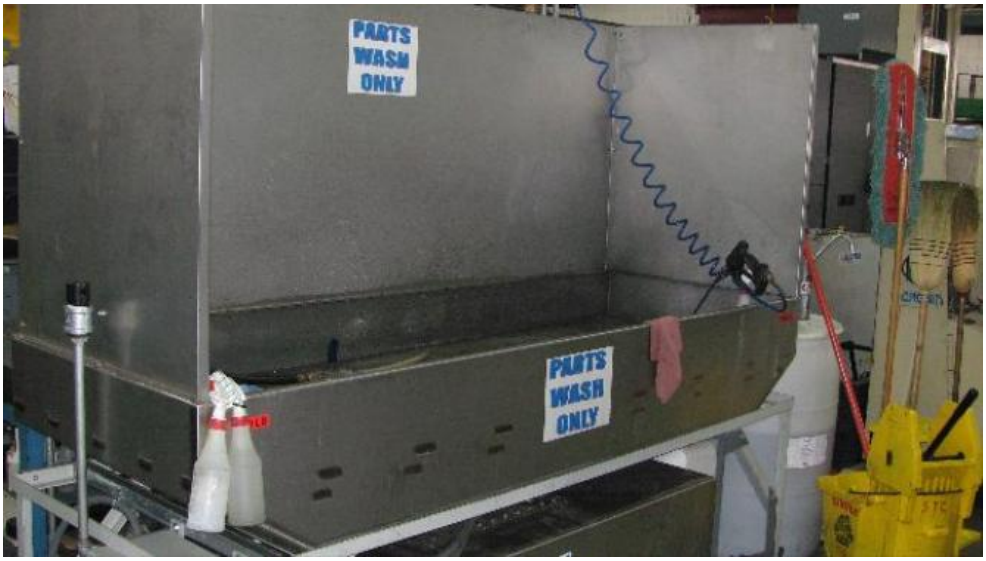
Direction:
East

Survey Date:
4/13/2009

Comments:
Entrance to Bag House Room.

FileName:
IMG_1016.jpg

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 48 **Photo Location:** Main Facility **Direction:** Up **Survey Date:** 4/13/2009 **Comments:** Bag House. Collection of emissions from welding, laser engraving, sand blasters, and grinders from machine shop. Recirculating system, no discharges from facility. **FileName:** IMG_1018.jpg	
Photograph ID: 49 **Photo Location:** Main Facility **Direction:** East **Survey Date:** 4/13/2009 **Comments:** One of three mop waste water collection stations. Waste water at this station is pumped through above ground piping to the water evaporator system. **FileName:** IMG_1019.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 50 **Photo Location:** Main Facility **Direction:** West **Survey Date:** 4/13/2009 **Comments:** Compressor Room. Compressed air distributed throughout facility from this location. No staining was observed on the concrete flooring in this room. **FileName:** IMG_1020.jpg	
Photograph ID: 51 **Photo Location:** Main Facility **Direction:** Up **Survey Date:** 4/13/2009 **Comments:** Compressor Room. Pressurized tanks located in small mezanine above compressor room. **FileName:** IMG_1021.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 52 **Photo Location:** Main Facility **Direction:** Down **Survey Date:** 4/13/2009 **Comments:** Secondary containment trench located in Compressor Room. Trench was dry and no staining was observed. **FileName:** IMG_1022.jpg	
Photograph ID: 53 **Photo Location:** Main Facility **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Future water evaporator system. Current system will be moved to this location. Exhaust system under construction. **FileName:** IMG_1023.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 54

Photo Location:
Main Facility

Direction:
North

Survey Date:
4/13/2009

Comments:
Future water evaporator system.

FileName:
IMG_1024.jpg

Photograph ID: 55

Photo Location:
Main Facility

Direction:
West

Survey Date:
4/13/2009

Comments:
Oil Storage Rack. Contained various oils used in the manufacturing/testing processes. Sixteen containers on the rack. Containers are filled in place. Rack was above a stainless steel secondary containment system. No staining was observed on the concrete flooring in this area.

FileName:
IMG_1025.jpg

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 56	
Photo Location: Main Facility	
Direction: Northeast	
Survey Date: 4/13/2009	
Comments: Main electrical service entrance to the Main Facility. Northwest corner. These were "dry" type transformers. No labels indicating PCB content were observed. No staining or cracking of transformers was observed.	
FileName: IMG_1026.jpg	

Photograph ID: 57	
Photo Location: Main Facility - Outdoor Storage	
Direction: South	
Survey Date: 4/13/2009	
Comments: Metals recycling container for high grade metals. Located in outdoor covered area on west side of Main Facility. Covered area surrounded by stainless steel lined trench installed beginning 2009.	
FileName: IMG_1028.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 58 **Photo Location:** Main Facility - Outdoor Storage **Direction:** Down **Survey Date:** 4/13/2009 **Comments:** Waste oil drain pipe beneath metals recycling container. Outdoor storage area slopes towards a stainless steel lined trench system. **FileName:** IMG_1029.jpg	
Photograph ID: 59 **Photo Location:** Main Facility - Outdoor Storage **Direction:** Down **Survey Date:** 4/13/2009 **Comments:** Newly installed (2009) stainless steel lined trench along permiter of covered outdoor storage area. **FileName:** IMG_1027.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 60	
Photo Location: Main Facility - Outdoor Storage	
Direction: Down	
Survey Date: 4/13/2009	
Comments: Sump in stainless steel lined trench. Contents of trench system is pumped to the water evaporator system.	
FileName: IMG_1030.jpg	
Photograph ID: 61	
Photo Location: Main Facility - Outdoor Storage	
Direction: Southwest	
Survey Date: 4/13/2009	
Comments: Outdoor empty container storage area adjacent to covered area. Approximately 10 to 12 empty drums previously containing oils and solvents were observed in this area. No staining was observed on the concrete surfaces in this area.	
FileName: IMG_1031.jpg	

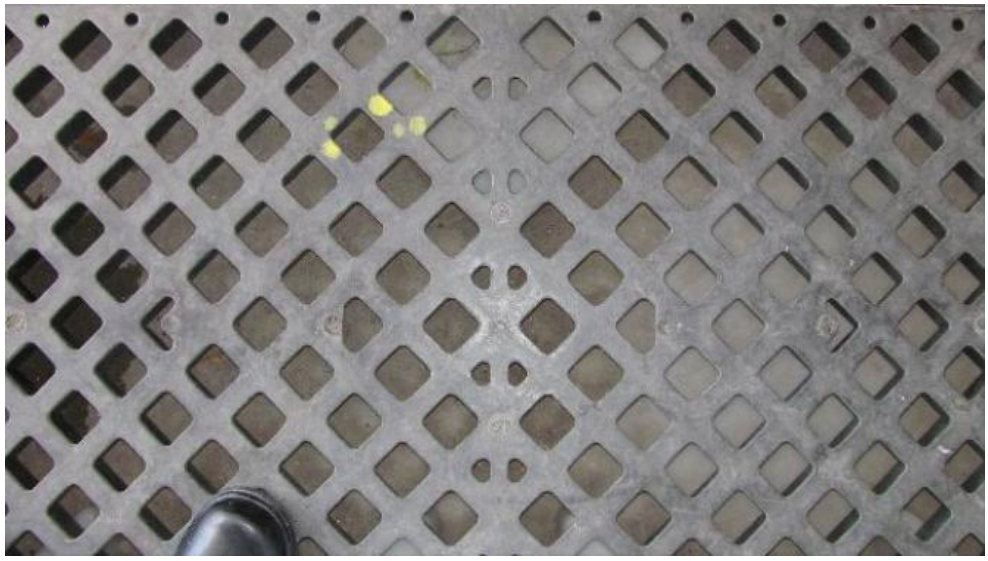
Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 62	
Photo Location: Main Facility - Outdoor Storage	
Direction: East	
Survey Date: 4/13/2009	
Comments: New product storage area adjacent to outdoor covered area. Approximately 20 drums containing oils, coolant, and solvents were observed on the storage rack. No staining was observed on the concrete surfaces in this area.	
FileName: IMG_1032.jpg	
Photograph ID: 63	
Photo Location: Main Facility - Outdoor Storage	
Direction: North	
Survey Date: 4/13/2009	
Comments: Metals recycling container. Lower grade metals are recycled in this container. Secondary containment located beneath container at waste oil drain pipe.	
FileName: IMG_1033.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 64	
Photo Location: Main Facility - Outdoor Storage	
Direction: North	
Survey Date: 4/13/2009	
Comments: Liquid nitrogen storage tank under outdoor covered area adjacent to metals recycling container. Liquid nitrogen used in testing processes. Liquid nitrogen is transfered to portable tanks for distribution to testing equipment.	
FileName: IMG_1034.jpg	
Photograph ID: 65	
Photo Location: Main Facility - Outdoor Storage	
Direction: North	
Survey Date: 4/13/2009	
Comments: Outdoor Hazardous Waste Storage Area. Area was covered with two containment systems. Drums were stored on spill containment pallets. The storage area was surrounded by a 6-inch concrete berm.	
FileName: IMG_1089.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 66 **Photo Location:** Main Facility - Outdoor Storage **Direction:** Down **Survey Date:** 4/13/2009 **Comments:** View of interior of a spill containment pallet in the Hazardous Waste Storage Area. Interior was dry, no staining was observed. **FileName:** IMG_1090.jpg	
Photograph ID: 67 **Photo Location:** Main Facility - Outdoor Storage **Direction:** Down **Survey Date:** 4/13/2009 **Comments:** Concrete containment berm surrounding the perimeter of the Hazardous Waste Storage Area. **FileName:** IMG_1092.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 68	
Photo Location: Leased Facility Exterior	
Direction: Southwest	
Survey Date: 4/13/2009	
Comments: View of Leased Facility from South 28th Avenue. Leased Facility surrounded by asphalt paved parking areas and access roads. Landscaped area on the southern side of building.	
FileName: IMG_1084.jpg	
Photograph ID: 69	
Photo Location: Leased Facility Exterior	
Direction: North	
Survey Date: 4/13/2009	
Comments: South 28th Avenue separating the GE leased facility (left side of photo) and the Main Facility (right side of photo).	
FileName: IMG_1051.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 70	
Photo Location: Leased Facility Exterior	
Direction: Northwest	
Survey Date: 4/13/2009	
Comments: Southeast corner of Leased Facility. The space on this portion of the building is not occupied by GE. Sign at entrance indicates Accurate Metallurgical, Inc. and Solar Graphics, Inc. as occupants.	
FileName: IMG_1056.jpg	
Photograph ID: 71	
Photo Location: Leased Facility Exterior	
Direction: East	
Survey Date: 4/13/2009	
Comments: South parking areas for the GE facilities. Yakima Air Terminal/McCallister Field is located to the right. Perimeter fencing separates the parking areas from the Airport.	
FileName: IMG_1047.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 72 **Photo Location:** Leased Facility Exterior **Direction:** South **Survey Date:** 4/13/2009 **Comments:** South parking area for the GE leased facility. Yakima Air Terminal/McCallister Field is located in the distance. **FileName:** IMG_1048.jpg	
Photograph ID: 73 **Photo Location:** Leased Facility Exterior **Direction:** West **Survey Date:** 4/13/2009 **Comments:** Roland Decoto Flying Services, Inc. is located beyond the perimeter fenching to the west of the GE leased facility. **FileName:** IMG_1049.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 74

Photo Location:
Leased Facility Exterior

Direction:
Northeast

Survey Date:
4/13/2009

Comments:
View from south parking area of the GE leased building. Main Facility is visible in distance. Asphalt covered parking areas and driveways separate the two buildings.

FileName:
IMG_1046.jpg

Photograph ID: 75

Photo Location:
Leased Facility Exterior

Direction:
North

Survey Date:
4/13/2009

Comments:
View from south parking area of the Leased Facility. Entrance to GE's portion of the building is on the far left of the photo. The balance of the photo to the right of GE's entrance door is reportedly occupied by Accurate Metallurgical, Inc. and Solar Graphics, Inc.

FileName:
IMG_1045.jpg

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 76	
Photo Location: Leased Facility Exterior	
Direction: North	
Survey Date: 4/13/2009	
Comments: View from south parking area of the GE leased building. GE occupies the left (west) side of the building. The south entrance to GEs leased portion is on the right side of the photo.	
FileName: IMG_1044.jpg	
Photograph ID: 77	
Photo Location: Leased Facility Exterior	
Direction: Up	
Survey Date: 4/13/2009	
Comments: One of two sets of pole mounted electrical transformers located adjacent (northeast corner) of Leased Facility. No cracking or staining observed. No labels identifying PCB content were observed.	
FileName: IMG_1036.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 78	
Photo Location: Leased Facility Exterior	
Direction: Up	
Survey Date: 4/13/2009	
Comments: One of two sets of pole mounted electrical transformers located adjacent (northeast corner) of Leased Facility. No cracking or staining observed. No labels identifying PCB content were observed.	
FileName: IMG_1037.jpg	
Photograph ID: 79	
Photo Location: Leased Facility Exterior	
Direction: Southwest	
Survey Date: 4/13/2009	
Comments: Entrance to leased facility. Facility is leased from Nolan Dakoto. Operations consist of inspection, repair, assembly, and shipping. Testing of high pressure actuators is also conducted.	
FileName: IMG_1035.jpg	

Client:	GE Aviation	Project Number:	1006709.020101
Site Name:	Yakima Phase I ESA	Site Location:	Yakima, Washington

Photograph ID: 80 **Photo Location:** Leased Facility **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Hydraulic Oil Pump Room located in a separate room along the west wall of the leased facility. White tank is a chiller for cooling hydraulic oil. No evidence of staining or cracked flooring was observed. **FileName:** IMG_1039.jpg	
Photograph ID: 81 **Photo Location:** Leased Facility **Direction:** South **Survey Date:** 4/13/2009 **Comments:** Hydraulic Oil Pump Room. Hydraulic oil pumping equipment located on secondary containment. Absorbent pads were observed but no evidence of staining or cracked flooring was observed. **FileName:** IMG_1040.jpg	

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 82

Photo Location:
Leased Facility

Direction:
Down

Survey Date:
4/13/2009

Comments:
Example of double-walled stainless steel piping used for hydraulic oil transfer from the Hydraulic Oil Pump Room to test equipment in the adjacent room.

FileName:
IMG_1041.jpg

Photograph ID: 83

Photo Location:
Leased Facility

Direction:
Down

Survey Date:
4/13/2009

Comments:
New product drum storage on secondary containment. No staining observed on concrete flooring.

FileName:
IMG_1042.jpg

Client:	**GE Aviation**	**Project Number:**	**1006709.020101**
Site Name:	**Yakima Phase I ESA**	**Site Location:**	**Yakima, Washington**

Photograph ID: 84

Photo Location:
Leased Facility

Direction:
South

Survey Date:
4/13/2009

Comments:
Water supply well. Site contact had no information pertaining to the construction or use of the water supply well. No staining was observed around the water supply well.

FileName:
IMG_1043.jpg

APPENDIX G

GE Appendix F: Statement of Work for Transactions Involving Manufacturing or Service Sites

OPENING STATEMENT

This Appendix is being completed for an existing facility located at 2720 and 2808 West Washington Avenue, Yakima, Washington. This Appendix was prepared based upon information available at the time of the site visit, which was conducted on April 13, 2009 and information provided by the designated site contact and other interviewees.

Statement of Work for Transactions Involving Manufacturing or Service Sites

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MODULE 1

Description of Real Property

Objective:

To provide a background for interpreting the results of the investigation, the report must describe the property and its history and define its boundaries.

Tasks:

The contractor will perform the following general tasks to prepare a property description:

1. Review past and present owner/operator records and site plans for the facility.
2. Visit the site.
3. Review public records.
4. Interview persons knowledgeable about the site.

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Description of Real Property Questionnaire

1. What is the location and mailing address of the property? (List both if different)

   Street Address: 2720 and 2808 West Washington Avenue

   Municipality: Yakima

   State: Washington Zip Code: 98903

2. Attach a scale map or dimensional sketch and a physical description of the property. Include:

   - Total land area
   - Area devoted to structures, parking, and other uses
   - Shape of the property, indicating the present and proposed property boundaries
   - Number of structures and floor area of each
   - Floor plans of every structure on site
   - Adjoining streets or highways, including those that transect the property
   - Surface water bodies**,** wetlands, bogs, creeks, swamps, and rivers
   - Location of utilities, railroad tracks, sewers, drainage channels, storage and process tanks, piping, wells, septic systems, waste management, treatment and waste storage areas

   Property Description:

   The site is comprised of two separate facilities, one owned by GE and the other leased from Noland Dakoto. The Main Facility covers approximately 90,000 square feet including a ground level and second floor. An approximately 10,000-sf outdoor storage area is located on the west side of the building. The southern half of the outdoor storage area is covered. The outdoor storage area is secured with perimeter fencing. The Leased Facility consists of one floor on the ground level covering approximately 10,000 square feet. The site covers an area of approximately 10 acres. Both facilities are surrounded by asphalt paved parking areas and access roads. A grassy landscaped area is located on the north side of the Main Facility.

3. How is the property zoned? Are there any restrictions on future use of the land? Does the local government's land use plan show a planned or possible change in the site's use? Do local zoning laws allow a change in land use?

   According to City of Yakima land use information, the property is zoned as Central Business District Support.

4. For structures: attach a map showing existing floor plans, floor drains**,** pits, trenches, utilities, sewers, storage and process tanks, piping, wells, septic systems, waste management and waste storage areas or sumps. Indicate location of activities within structures.

   Figure 2 and 3 of the Phase I ESA show the existing floor plan. Plumbing diagrams for the Main Facility provided by site contacts, is presented in Appendix H of the Phase I ESA.

5. What is the source of drinking water and other water used at the site? (Provide construction details, copies of permits and boring logs for any groundwater wells, including depth, soil geology profile, material of construction, pumping rate, etc. Also provide copies of all analytical results from laboratory testing.)

   Indicate whether a permit is required for consumption of water and attach a copy of the permit.

   Drinking water is supplied by the City of Yakima Public Works. An irrigation water supply well is located on the northwest side of the Main Facility. According to the site contact, this well provides water for irrigation of landscaped areas only. A water well and associated equipment were observed in the Leased Facility. Site personnel had no knowledge of the construction details or purpose of the well.

6. How is access gained to the property? (Is access directly to a public road or via an easement or other right of way?) Attach an original copy of the latest US Geological Service 1:24000 scale, 7.5 X 15 minute Quadrant Topographical Map showing the property and surrounding area.

   Access to both facilities is directly from public roads. South on S. 28th Ave. from W. Washington Ave.

7. Is there any fencing or perimeter protection, either natural or manmade? (If yes, describe.)

   Fencing is located along the southern boundary for both facilities. Fencing is owned and maintained by the Yakima Airport.

8. Are there currently or have there ever been any utilities provided to the site? (Specify: natural gas, electricity, water, sewer, solid waste pickup, etc.)

   - Water – City of Yakima
   - Sewer – City of Yakima
   - Electric – Pacifc Power
   - Natural Gas – Cascade Natural
   - Waste – Yakima Waste Systems, Inc.

9. Do railroad tracks run through or adjacent to the property? (If yes, describe function and location.)

   No

10. List and describe any buildings previously on site (removed, demolished, etc.). Attach a sketch indicating their previous location on the property in relation to present structures.

    According to site contacts, a farmhouse was previously located on the present day north lawn of the Main Facility. A structure is visible on topographic maps from 1954 and 1974. According to site contacts, a pipe protruding from the ground surface in the north lawn north of the Main Facility was removed by contractors in approximately 2002. The pipe was reportedly located in the vicinity of an historical farm house previously on the property. Reportedly, the pipe was 3 inches in diameter by 4 feet in length. An excavation approximately 10 feet across and 9 feet deep revealed no tanks or subsurface structures associated with the pipe. According to site contacts, no records exist documenting removal of the pipe.

11. If the property is to be leased, describe the entire property owned by the potential landlord including property leased by other tenants (list all tenants and their type of business). Attach a map showing this information, if available.

    The Leased Facility is currently owned by Noland Decoto and leased to GE. The leased property site map is presented as Figure 3 in the Phase I ESA.

12. Obtain and attach copies of all studies, reports or data regarding any examination of the subsurface or hydro-geological region underneath the property, and any sampling of the property's soil or groundwater.

    A request has been made to review an underground storage tank (UST) closure report for a UST that reportedly was located on the western side of the Main Facility. This has not been provided as of the date of the Phase I ESA.

13. Does the site have (currently or in the past) on-site sewage disposal, such as septic systems, leach fields, dry wells, surface impoundments, lagoons, or sewage treatment plants? (If yes, provide a brief description of the system.)

    No

14. Identify any current or proposed city or county moratorium governing the construction or occupancy of buildings and related facilities which could affect the property.

    None identified.

15. Is the property adjacent to or in close proximity to a waterway designated as a Scenic River under any federal, state, or local scenic river act or in a zone of special flood hazard as designated by the Federal Insurance Administration, the Federal Emergency Management Agency, or other agency?

    No information was reported by EDR regarding FEMA flood zones. A search of the Yakima County tax assessor database indicated the site is not located within a flood way or flood plain; however, an area approximately 1/8 mile north of the site along Wide Hollow Creek is identified as a flood way.

16. Has the property been designated as an Area of Critical Environmental Concern by a federal, state, or local agency because of its proximity to a coastline wetland, 100-year flood plain, tidal river, or fish run? If so, describe any applicable federal permit or financial assistance requirements. Please provide all documentation and maps relating thereto, including any consistency determinations and applications for such determinations.

    No such designation has been identified.

17. Are wetlands, bogs, swamp, marshes, rivers, or other bodies of water located on the property? (If yes, describe.)

    No

18. Describe any known surface waters near the property. Indicate the location(s) on the site map and attach the reports of any sampling and laboratory analysis.

    Wide Hollow Creek, a tributary to the Yakima River, runs adjacent and to the north of West Washington Avenue, approximately 1/8 mile north of the site.

19. Does the facility currently have, or has it ever had, any wells that supply water for any use and/or are used for monitoring? Attach a map indicating the location and purpose of all wells and provide copies of the results of any laboratory analysis or sampling program for the well(s).

    A water well is located on the northwest corner of the Main Facility. The water well is reportedly used as an irrigation supply well for the landscaped areas of the Main Facility. No construction information was available for the well.

    A water well was observed in a room in the northern portion of the Leased Facility. The site contacts had no information pertaining to the construction or purpose of the well. No record of the well was identified in the EDR report

20. Does the property contain any structure listed on the National Register of Historic Places or similar list?

    No

21. Is operation of the facility likely to require federal or state involvement which may require the under-taking of an environmental impact statement, assessment, or other review under the National Environmental Policy Act or equivalent state law? If so, identify the federal or state involvement, and state whether an impact statement, assessment, or other review has been conducted. Provide all documentation relating thereto.

    No

22. Describe the age and materials of construction for all sewer systems on the property. Include the repair history and observations made of the condition of the structures.

    The Main Facility was reportedly constructed in 1968. The year of construction for the Leased Facility is unknown; however, the structure is first visible on a 1958 topographic map. Plumbing diagrams for the Main Facility are included as Appendix H to the Phase I ESA.

23. Describe all discharges of hazardous materials to sewers. Indicate where and if any treatment occurs for these discharges prior to leaving the property. Indicate the location of the ultimate discharge from the property.

    Reportedly, only sanitary wastewater is discharged from the Main Facility and the Leased Facility to the public owned treatment works.

24. Create a photographic record of the property illustrating the present conditions and status of the property and documenting your observations. Provide uniquely identified color copies of the photographs and attach a property sketch indicating the location and facing direction of each photograph.

    The photographic log for the site is included as Appendix F to the Phase I ESA.

25. Have any dust control methods been employed on the property or adjacent properties? Describe the dust suppressant(s) used, and application.

    No

MODULE 2

Surrounding Land Use

Objective:

Because neighboring activities can affect the site through contaminant migration, it is important to identify chemical or waste management activities in the vicinity which have the potential to cause contamination. In addition, a thorough description of surrounding land use will identify sensitive environments in the vicinity and enable us to more accurately assess the risks associated with environmental problems on site.

Tasks:

The contractor will perform the following general tasks to describe the surrounding land use and identify high-risk activities in the vicinity of the subject site:

1. Review public records.
2. Conduct a site inspection of neighboring properties, to the extent access can be gained.
3. Interview owners, operators, and tenants of the subject site and neighboring properties, and knowledgeable local officials.
4. Review aerial photographs.

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Surrounding Land Use Questionnaire

1. Attach a map or sketch which identifies abutters and, in the case of a proposed lease, other tenants of the potential landlord, and delineates the surrounding land use.

   Yakima Airport is the only property directly adjacent to the Main Facility. It is identified on the topographic map presented as Figure 1 to the Phase I ESA. The Leased Facility is identified as a black colored structure across from the Main Facility on Figure 1 of the Phase I ESA. Other tenants of the building leased by GE include Solar Graphics, Inc. and Accurate Metallurgical. Structures north of the Leased Facility as shown on Figure 1 of the Phase I ESA are owned and operated by Noland Dakoto Flying Services, Inc.

2. Provide a general description of land use trends in the area for the past 50 years. Identify areas which were used for commercial, industrial, or residential purposes and list specific activities where they can be determined. Identify any of the following activities which have been conducted in the vicinity of the subject site, as far back as records are available:

____	Mining	____	Quarries
____	Oil and gas exploration	____	Gas stations or auto repair shops
____	Military installations	__X__	Office buildings
____	Sewage treatment plants	____	Housing
____	Farming	____	Recreation
____	Manufacturing, processing, or refining industries	____	Waste treatment, storage or disposal

__X__ Others which have been involved in chemical or waste management (specify):

   Description:

   Airline operations are conducted at the Yakima Airport, adjacent and south of the site. Noland Decoto Flying Services, Inc. located adjacent and to the west of the Leased Facility is a charter aircraft company identified in historical city directories back to 1964. Historical city directories identify several different businesses within the near vicinity of the site for the past 50 years including but not limited to publishing and design, packaging/distribution/warehousing, surveying, heavy equipment sales, graphics design, and automobile painting.

3. For each adjacent property, and any commercial or industrial properties located within one mile (particularly those up-gradient, up-hill, up-stream, or up-wind of the subject site), mark the location of each property on a map of the area (i.e. mark up a copy of the USGS Topo) and provide the following information:

   Properties identified in environmental databases searched by EDR are presented on the Overview Map and Detail Map in the EDR Radius Map Report (Appendix A to Phase I ESA). The following two properties are located upgradient from the site with identified releases.

   Facility:

   Owner/Operator/Tenant: Noland Decoto Flying Services Inc.

   Street Address: 2810 W Washington Ave.

Site location on area map: Located within 1/8 mile west of the Site.

Description of Activities: Charter aircraft
Potential Hazards: Petroleum products.
Evidence of a Release: A confirmed release of petroleum products was reported for the property in 1999 affecting soil and groundwater. A steel UST of unknown capacity was installed in 1964 and reportedly removed in 1996. A groundwater sampling report was reported for January 2001. No further indication of the cleanup status was reported by EDR. A search of the DOE Facility/Site database identifying cleanup sites in Washington identifies the site as an active LUST cleanup site.

Sources of Information: EDR Radius Map Report

Facility:

Owner/Operator/Tenant: Graham Equipment

Street Address: Address unknown. Located less than ¼ mile west of the site.

Site location on area map: Located less than ¼ mile west of the site.

Description of Activities:
Potential Hazards:
Evidence of a Release: A confirmed release of petroleum products was reported for the property in affecting soil and groundwater. A single walled steel UST with a reported maximum capacity of 1,100 gallons was installed in 1964 and reportedly removed in 1996. A search of the DOE Facility/Site database identifying cleanup sites in Washington identifies the site as an inactive LUST cleanup site.
Sources of Information: EDR Radius Map Report

4. Are there or have there ever been any disposal facilities or dump sites within one mile of the site? (If yes, describe.)

None identified.

5. Is there any documented or visible evidence of improper chemical or waste management on any of the neighboring sites? (If yes, identify the site and specify whether it was observed or reported by others, attach photographs)

_____ Stressed vegetation observed at _____

(observed _____, reported by others _____)

_____ Stained soil, paving or surfaces observed at _____

(observed _____, reported by others _____)

_____ Open or leaking containers**,** piping, tanks, transformers or other devices observed at _____

(observed _____, reported by others _____)

_____ Fumes**,** odors, chemical or other smells present at _____

(observed _____, reported by others _____)

_____ Oily sheen, foaming, high solids, or discolored surface water observed at _____

(observed _____, reported by others _____)

_____ Unexplained topography, elevations or depressions observed at _____

(observed _____, reported by others _____)

_____ Other (describe and identify the location and specify whether observed or reported by others)

None identified.

6. Do any of the neighboring sites have on site sewage disposal, such as septic systems, leach fields, dry wells, lagoons, holding ponds, surface impoundments, sludge drying beds, or sewage treatment plants? (If yes, identify the property and provide a brief description of the system.)

   None observed during the adjacent property drive-by or a review of the EDR Radius Map Report.

7. Do any of the neighboring sites have a groundwater well, pit, uncapped well, or abandoned well? (If yes, identify property and provide a brief description.)

   None observed during the adjacent property drive-by or a review of the EDR Radius Map Report.

8. Are there any surface water bodies, drainage or run-off channels, or ditches running onto the subject site from adjoining properties? (If yes, identify the property and the source of the water.)

   None observed.

9. List any environmental permits the neighboring facilities have which govern air emissions, underground storage tanks, waste water discharges, injection wells, solid waste disposal etc., including those from local, county, state, or federal environmental agencies.

   The Yakima Airport, located adjacent and to the south of the site, was identified in the EDR Radius Map Report as a RCRA-Non Generator with a USEPA ID. No violations were reported for the Yakima Airport.

   Flightline Convenience Center, located adjacent to the site at 2805 W Washington Avenue is identified in the EDR Report as having a permitted UST. No further permit related information was reported for this property by EDR.

   Solar Graphics, Inc. located adjacent to GE in the Leased Facility was identified in the EDR Radius Map Report as a RCRA-CESQG with an EPA ID number. No violations were reported for the property.

   Noland Decoto Flying Services, located adjacent to the Leased Facility at 2809 W Washington Avenue is identified in the Radius Map Report as having a permitted UST. No further permit related information was reported for this property.

10. Do any of the neighboring facilities have a history of permit or other regulatory violations? (If yes, identify the facility and describe the violations.)

    None were identified in a review of the EDR Radius Map Report.

Facility	***Violation***	***Regulatory Authority***

MODULE 3

History of Land Use

Objective:

Compiling a history of land use at the site helps identify past activities that warrant a more thorough investigation.

Tasks:

The contractor will perform the following general tasks to investigate the site's history:

1. Review public records.
2. Review the facility records.
3. Interview past and present owners, operators, tenants, neighbors, and knowledgeable local, regional, or state officials.
4. Review aerial photographs.

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History of Land Use Questionnaire

1. List all owners, operators, and tenants of the property, beginning with the most recent, and going back at least 50 years. Provide dates of ownership/occupancy and a brief description of how the property was used during each time period. Indicate reference source(s) for each owner/operator identified such as title search, Sanborn Map, city directory, interview, etc.

Time Period	***Owner/Operator/Tenant (specify)***	***Use of Property***
Prior to 1968	Unknown	Agricultural
1968 - 1988	Unknown	Manufacturing (hydraulics)
1988 - 1993	Dowty Decoto Inc.	Manufacturing (hydraulics)
1993 - 1998	Dowty Aerospace Yakima	Manufacturing (hydraulics)
1998 -2003	Dowty Aerospace Yakima	Manufacturing (hydraulics)
2003-2008	Smiths Aerospace Actuation	Manufacturing (hydraulics)

The above information was obtained from EDRs search of historical city directories and information reported by the site contact. According to the site contacts, the site has been used for aerospace parts manufacturing (actuators) since its construction in 1968.

2. Provide a brief history of significant modifications or improvements made to the property. Include construction or demolition of buildings, parking lots, and roads; installation and removal of underground tanks; filling and grading; and installation and removal of waste water treatment systems, including septic systems. Identify and indicate each structure, improvement, or modification on a site map.

Two improvements to the building were observed in a review of aerial photos (Appendix B to Phase I ESA). Site contacts did not have information pertaining to the years that improvements had been made.

Year	***Description of Improvements/Modification***
1990	In a 1990 aerial photo, improvements were observe on the west and east sides as compared to a 1974 photo.
1996	An improvement was also observed in a 1996 aerial photo on the northeast side of the Main Facility.

3. Describe in chronological order the site development and uses as shown in historical aerial photographs of the property. Provide copies.

The following information was provided by the EDR Aerial Photo Decade Package (Appendix B of the Phase I ESA).

- **1971** – Both the Main Facility and Leased Facility are visible. The areas immediately north and south of the Main Facility appear to be unpaved. The property adjacent and to the east appears to

be undeveloped. The Yakima Airport is visible immediately to the south of the site. Wide Hollow Creek is visible to the north of the site.

- **1981** – The aerial photograph is of poor quality. Site and surrounding features cannot be distinguished.
- **1990** – Areas immediately north, south, and east of the Main Facility appear to be paved for vehicle parking. The Main Facility appears to have undergone an expansion on the east and west sides of the building. A structure is visible on the adjacent property to the east. The Yakima Airport is visible immediately to the south of the site. Wide Hollow Creek is visible to the north of the site.
- **1996** – There appears to be an irrigated landscaped area north of the parking lot on the north side of the Main Facility. An expansion to the northeast side of the Main Facility is visible. Adjacent properties appear unchanged from the 1990 aerial photograph.

  2006 – The site appears unchanged from the 1996 aerial photograph.

4. Perform and describe the results of a title search of the property.

   A title search was not performed as part of the Phase I ESA.

MODULE 4

Descriptions of Operations

Objective:

A thorough understanding of past and present activities at the facility will enable us to identify potential environmental liabilities, such as recurring regulatory compliance problems and releases of hazardous chemicals into the environment, which require a more detailed investigation.

Chemical and waste management practices are the primary source of most environmental contamination. To identify and evaluate the magnitude of environmental liabilities, it is necessary to identify chemicals used, stored, generated, treated, or disposed of on site and how they are managed, or have been managed in the past.

Tasks:

The contractor will perform the following general tasks to investigate the facility's operations and chemical and waste management practices:

1. Review facility records.
2. Conduct a site inspection.
3. Interview a significant cross section of knowledgeable facility personnel, neighbors, and knowledgeable local officials.
4. Review public records.

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Descriptions of Operations Questionnaire

Part 1. General Operations

1. Describe the current land use, including a summary of operations.

   The Main Facility designs, manufactures, assembles, tests, and ships hydraulic actuators for commercial and military uses. Operations include receiving of raw materials, machining, parts cleaning, painting, assembly of parts into units, testing of units, and shipping units off-site for delivery.

   Operations at the Leased Facility consist of repair of current and discontinued hydraulic actuators. High pressure testing of actuators is also conducted in the Leased Facility.

2. Attach copies of process flow diagrams, illustrating the raw materials and chemicals used, the industrial process, and the wastes and products generated for industrial activities, including maintenance, and any involving the use of chemicals or hazardous materials.

   No process flow diagrams were provided for review.

3. Identify any past activities which are no longer conducted at the site (e.g., an old electroplating room that has been converted to a machine shop), or any past modifications to current activities which might influence the potential for environmental contamination. An example of a modification is the past use of chemicals different from those currently in use in the same process. Attach process flow diagrams.

   No information was provided by site contacts regarding the treatment of mop water/wastewater prior to implementation of the water evaporator system currently in place.

Time Period	***Description of Activity/Modification***
N/A	

4. Divide the current floor plans (or use overlays) into areas of similar activities, on the basis of hazardous material and chemical use and waste generation. For example, the plans should distinguish areas used for the following (check all that apply):

x	Waste water treatment		Electroplating
x	Degreasers	x	Sandblasting
	Ultrasonic cleaners	x	Painting
x	Parts washers		Chemical and waste transfer
x	Waste accumulation	x	Chemical and waste container storage
x	Chemical storage in tanks		Drum cleaning and reconditioning
x	Buffing/polishing recharging		Lead-acid battery use/storage maintenance or
	Laboratories	x	Metal machining, processing or treating
x	Maintenance shop areas		Printing

____ Hydraulically operated equipment

____ Auto, truck or industrial vehicle or equipment maintenance or repair area

____ Other (specify)

See photograph location maps and the photographic log from the Phase I ESA for photodocumentation of the different process areas in the facilities. A SPCC plan for the site is presented in Appendix H of the Phase I ESA. Chemicals and chemical use areas are described in the SPCC.

5. Modify and attach floor plans (or use overlays) to show historic changes in:

- Floor plans,
- Locations of sewers, trenches, pits, sumps, or underground piping
- Use of the structures, or
- Location of activities within the structures.

Plumbing drawings are included in Appendix H to the Phase I ESA.

6. On both the current and past floor plans, or on overlays, highlight points within each area where chemicals are likely to accumulate or where the levels of contamination might be highest. These include such points as:

- The floor immediately beneath a unit
- Floor sumps, pits, trenches or drains
- Paint booth water curtains
- Areas where sandblasting, grinding or buffing residues accumulated
- Low points, slab joints or cracks in floors or secondary containment areas
- Drippage areas
- Areas where spills were reported in the past
- Chemical transfer areas (e.g., areas where liquids, such as paints, were poured from one container to another)
- Deteriorated concrete, or other surfacing
- Stained floors or walls, etc.

A review of the SPCC plan for the site indicates that chemicals are stored in various locations throughout the facilities. Drums of product including oil, coolant, and solvents are stored on a storage rack in an uncovered area outdoors on the northwest corner of the Main Facility. Oil is also stored on an oil storage rack along the west wall of the Main Facility. Three oil coolant sumps are identified in the SPCC plan but were not observed during the site reconnaissance. The oil coolants sumps have capacities of 300, 700, and 1,200 gallons. Hydraulic oil is conveyed through piping contained within a 2-foot deep trench to testing equipment from two hydraulic oil pumping rooms on the southeastern corner of the facility. Oil staining was observed within the trench system and on flooring in the oil pump rooms. The SPCC plan indicates that there are no floor drains that connect to any catch basins or to the sanitary sewer.

Descriptions of Operations Questionnaire

Part 2. Chemical and Waste Management

1. Was the site ever used for research, industrial, or military purposes? (If yes, describe.)

   No

2. Is there any evidence the site has been leased to tenants who are likely to have used, transported, or disposed of chemicals?

   No

3. Have used oil, pesticides, herbicides, rodenticides, or fertilizers ever been dumped or spread on site (e.g., for weed or dust control)? (If yes, describe the history and give location.)

   According to the site contacts, no.

4. Does the property appear on any state or federal list of hazardous waste or contaminated sites? (CERCLIS, HWDMS, etc.)

   The site appears on the Confirmed and Suspected Contaminated Sites List (CSCSL), the State and Tribel equivalent to CERCLIS.

5. a. Are there or have there ever been any on site construction rubble/debris disposal, uncontrolled dumping, or abandonment of trash, garbage or other debris or land disposal units such as landfills, waste piles, burn pits, landfarms, leach fields, septic tanks, dry wells, underground injection wells, surface impoundments, sludge drying bed, or other land treatment units? (If yes, describe volume, construction, and contents, and identify on a map.)

   According to the site contacts, no.

   b. Describe any past or ongoing closure of any hazardous or solid waste management unit. Attach a copy of any plan, permit application or report for such closure and written estimates of the costs of completion of closure and post-closure maintenance.

   None.

   c. Identify any hazardous waste that the facility is disposing of in a land disposal unit. Is the waste subject to a treatment standard under RCRA? If so, does the waste meet the treatment standard or the requirements to demonstrate “no migration”?

   Hazardous waste includes but is not limited to waste paint and solvents, rags and wipes with acetone, waste paint booth filters, sandblast grit, spent TCE and water. Hazardous waste is currently handled by Emerald Services, the contracted hazardous waste vendor.

   d. Identify any non-hazardous waste the facility is disposing of in a land disposal unit.

   General trash is handled by Yakima Waste Systems, Inc.

e. If the facility is a TSD with a surface impoundment, waste pile, sludge drying bed, land treatment unit, or landfill, describe the facility groundwater monitoring program and summarize the reported results and exceedances.

The facility is not classified as a TSD

f. If the facility is a TSD, is it in material compliance with RCRA, or equivalent state regulation, applicable to owners and operators of TSD facilities? If not, explain.

The facility is not classified as a TSD

6. Are there any point sources of air releases on site, such as exhaust stacks, vents, baghouses, or scrubbers? Describe.

Two points of air releases are on site; a water evaporator system and a paint booth. Air emissions for these two sources are permitted under the Yakima Regional Clean Air Authority (YRCAA). The facility is permitted for a maximum of 8,000 lbs of trichloroethylene (TCE) use annually. All other hazardous air pollutants, including TCE, must not exceed 25 tons per year. VOC emissions must not exceed 100 tons per year. Daily and monthly emission records must be submitted to YRCAA in a quarterly report and quantities of TCE, paint, and solvents used must be reported annually.

7. Are there any non-point source air emissions on the site? Describe.

None identified by site contacts. None identified during the site visit.

8. To the best of your knowledge, have any gas stations or other fueling operations ever been located on the property? (If yes, describe.)

No

9. Is there now or has there ever been a print shop on the property? If so, identify the location on the site map, the chemicals used and the waste generated, estimate the volume of the chemicals used and waste generated (per month or per year), identify how the waste is managed and disposed, and estimate the print shop's output (per month or per year).

No

10. What types of hazardous materials and chemicals are purchased by the facility? Fuel oil, gasoline, solvents, degreasers, paint-related chemicals, radiological materials, pesticides, herbicides, fungicides, rodenticides, infectious or pathological materials, rust inhibitors, antifungal agents, freon, other?

A copy of an inventory of chemicals used at the facility as of January 2009 is included in Appendix H of the Phase I ESA. Three chemicals with known volumes observed during the site walk through are described below.

Chemical	***Annual Volume***	***Purpose***
Trichloroethylene	5,000 lbs in 2008	Degreaser
Hydraulic Oil	Unknown	Manufacturing/testing ops
Paint/Paint Thinner	140 gallons total in 2008	Manufacturing

11. If different chemicals were used in the past, list them.

Chemical	*Annual Volume*	*Purpose*
None identified		

12. Review SARA 311/312/313 reports and summarize the contents below:

Chemical Quantity	*Where Discharged*	*Annual*

No reports were provided for review.

13.a. What kinds of wastes (hazardous and/or non-hazardous) or byproducts are generated on site? How is the waste managed and disposed (treatment, recycling, landfill etc.)? If hazardous please supply RCRA code number if applicable. [Use the chart below; copy as needed.]

b. What kinds of wastes (hazardous and/or non-hazardous) or by-products have been generated in the past on site? How is the waste managed and disposed (treatment, recycling, landfill etc.)? If hazardous please supply RCRA code number if applicable. [Use the chart below; copy as needed.]

c. What kinds of wastes (hazardous and/or non-hazardous) or by-products are to be generated in the future on site? How is the waste managed and disposed (treatment, recycling, landfill etc.)? If hazardous please supply RCRA code number if applicable. [Use the chart below; copy as needed.]

The top 4 waste streams are identified below. Hazardous waste includes but is not limited to waste paint and solvents, rags and wipes with acetone, waste paint booth filters, sandblast grit, spent TCE and water. Copies of the 2007 and 2008 annual hazardous waste reports are provided in Appendix H of the Phase I ESA.

Waste or By-Product	*Hazardous?*	*Source*	*Method of Handling*
Paint/solvent	Yes	2008 Haz Waste Report	Emerald Services (Contractor)
Sandblast Grit	Yes	2008 Haz Waste Report	Emerald Services (Contractor)
TCE/Water	Yes	2008 Haz Waste Report	Emerald Services (Contractor)
Rags/Wipes	Yes	2008 Haz Waste Report	Emerald Services (Contractor)

14. Where are hazardous materials and chemicals stored? In what manner? (Describe and identify on the site map.)

Chemicals are stored at various locations in the Main Facility. New bulk product (55-gallon drums) is stored in the uncovered portion of the outdoor storage area on the west side of the building. Bulk drums of hydraulic oil are also stored in the oil pump rooms on the southeastern corner of the building. Various oils were also stored in individual containers on a storage rack on the west wall of the Main Facility. The storage rack was over a stainless steel secondary containment system.

Paints and primers used in painting operations are stored in flammables cabinets in the paint booth room. Flammable chemicals are also stored in various flammables cabinets throughout the first floor of the Main Facility.

A fixed bulk tank containing liquid nitrogen was observed in the outdoor storage area. Liquid nitrogen is transferred to smaller portable tanks and brought into the facility for use.

15. Attach a map with the location of each current and former tank system. Identify drainage paths, surface water bodies, water supply wells, and other sensitive conditions in close proximity to any tank.

The above information is presented on Figures 2 and 3 of the SPCC plan for the site (Appendix H of the Phase I ESA.

16. On the map, identify the location of container storage areas (e.g., 55-gallon drums). Include temporary accumulation areas, and product and raw material storage areas, that are not subject to permitting, as well as permitted hazardous waste storage areas.

Container storage areas are identified in the site SPCC plan, included in Appendix H of the Phase I ESA.

17. Are any chemicals stored in a flood plain?

X No _____ Yes (If yes, identify on a map)

18. Other than those previously listed in this questionnaire, has any hazardous waste or hazardous or toxic substance (as defined under state and federal law) ever been located within the property boundaries? (If yes, describe.)

Substances/Waste	***Quantity***	***Location***

None identified, other than those previously described in this questionnaire.

19. Is there a "spill prevention control countermeasures" (SPCC) plan?

__ No _____X Yes (If yes, provide a copy) The SPCC plan is included in Appendix H of the Phase I ESA.

20. Is there a contingency plan?

_____ No __X__ Yes (If yes, provide a copy)

Requested but not provided

21. Is there a Stormwater Pollution Prevention Plan (SP^3)?

__X__ No _____ Yes (If yes, provide a copy)

22. When were these plans last updated? Are they current?

2008. According to the Site EHS manager they are current.

23. List present and past waste disposal companies and/or transporters of wastes for the subject site. How are the wastes transported (e.g., truck or train; in tanks, drums, or other containers)?

Company/Location	***Nature of Work***	***Annual Volume***	***How Transported***
Emerald Services and Envirotech	Haz waste vendors	4,245 lbs	Unknown.

24. Are any of the waste disposal companies, transporters, and/or waste disposal locations serving this site considered "potentially responsible parties" (PRPs), associated with Superfund sites, or otherwise responsible for releases of hazardous substances? (If yes, list and describe.)

None identified.

25. Please attach a copy of the facility's latest biennial or annual waste report, and copies of all notifications of hazardous waste activities at the facility submitted to U.S. EPA pursuant to Section 3010 of RCRA or to the appropriate state agency under state law.

The 2007 and 2008 annual hazardous waste reports are provided in Appendix H of the Phase I ESA.

26. Does the facility import or export hazardous waste? If so, please describe.

No

27. Does the facility have any plans to perform any treatment, storage, recycling, or disposal of any solid or hazardous waste that the facility is not currently performing? If so, please describe.

No

Descriptions of Operations Questionnaire

Part 3. Tank Information

Provide the following information for each aboveground and underground tank, past and present, used to store hazardous materials, chemicals, wastes, and fuels. Include tanks which have been abandoned or removed. Also, provide a drawing of the tank system illustrating containment piping dispensers and other associated structures, equipment or devices.

Reportedly a UST was located on the western side of the Main Facility. A request has been made for any documents associated with the UST (closure report); however, the documents have not been provided for review. Correspondence documents regarding the historical UST between GE and Washington Department of Ecology are included in Appendix H of the Phase I ESA.

UST #1

1. Tank number or identification: No USTs were identified other than the historical UST.

2. Tank type: X underground ____ aboveground ____ on-ground

3. Age of tank: current status (active, abandoned, etc.) Unknown

4. Date closed, deactivated, or removed from service: Unknown

5. If deactivated, was it done according to applicable regulations and API and NFPA standards? (API Bulletins 1604 and 2202 and NFPA Bulletin 30.) Unknown

6. Present contents: According to site, decomissioned 7. Volume: Unknown

8. Waste or product? Product 9. Length of storage: Unknown

10. Past contents: Lubrication oil 11. Time period: Unknown

12 Construction material: Unknown 13. Capacity: Unknown

14. Dimensions: Unknown

15. Does the tank have corrosion protection? Unknown

16. Describe any spill prevention or containment devices: None identified

17. Describe any air pollution control devices or systems, installation date and details, and monitoring results. None identified

18. Has the tank ever been tested for leaks? (attach a copy) Unknown
If yes, by what method?

19. Describe any stationary leak detection equipment: Unknown
What were the results? ____

20. Was any remedial action taken? None identified

If yes, describe.

21. Is the tank subject to permitting or registration?

a. If yes, what type of permit? N/A
b. Regulatory agency? N/A
c. Status of the permit? N/A

22. Any record of past non-compliance? (If yes, describe.)

None identified

23. Has the tank been maintained in accordance with applicable regulations and industry standards, such as those set by the American Petroleum Institute (Bulletins 1621 and 1623), and the National Fire Protection Association (Bulletins 329, 70, and others)?

Unknown

24. Estimate future cost of compliance with federal, state, and local tank regulations.

According to site contacts, the UST was decomissioned

25. Any information about record of past spills or leaks?

Yes, minor release was reported from the historical UST. Correspondence letters from site to Washington DOE are presented in Appendix H of the Phase I ESA.

a. If yes, chemical released?

Lubrication oil.

b. Describe the quantity released, location and the response actions taken?

Unknown

c. Soil samples taken? (Summarize results.)

Unknown

d. Groundwater samples taken? (Summarize results.)

Unknown

e. Remedial action and confirmation results? (Describe.)

Unknown. See correspondence letters presented in Appendix H of the Phase I ESA.

f. Current status?

According to correspondence letters from site contacts, no further action has been identified.

26. Is there visible or documented evidence of tank leakage or spills in the vicinity? (If yes, describe.)

None identified.

AST #1

1. Tank number or identification: Unknown

2. Tank type: ____ underground __X__ aboveground ____ on-ground

3. Age of tank: current status (active, abandoned, etc.) Active

4. Date closed, deactivated, or removed from service: Tank is active

5. If deactivated, was it done according to applicable regulations and API and NFPA standards? (API Bulletins 1604 and 2202 and NFPA Bulletin 30.) Unknown

6. Present contents: Liquid nitrogen

7. Volume: ~10,000 gallons

8. Waste or product? Product

9. Length of storage: Unknown

10. Past contents: Same

11. Time period: Unknown

12 Construction material: Steel

13. Capacity: ~10,000 gallons

14. Dimensions: Unknown

15. Does the tank have corrosion protection? No

16. Describe any spill prevention or containment devices: None identified

17. Describe any air pollution control devices or systems, installation date and details, and monitoring results. None identified

18. Has the tank ever been tested for leaks? (attach a copy) Unknown
If yes, by what method?

19. Describe any stationary leak detection equipment: None identified
What were the results? ____

20. Was any remedial action taken? No leaks identified

If yes, describe.

21. Is the tank subject to permitting or registration?

a. If yes, what type of permit? None identified
b. Regulatory agency?
c. Status of the permit?

22. Any record of past non-compliance? (If yes, describe.)

None reported.

23. Has the tank been maintained in accordance with applicable regulations and industry standards, such as those set by the American Petroleum Institute (Bulletins 1621 and 1623), and the National Fire Protection Association (Bulletins 329, 70, and others)?

Unknown

24. Estimate future cost of compliance with federal, state, and local tank regulations.

Unknown

25. Any information about record of past spills or leaks?

None identified.

a. If yes, chemical released?

N/A

b. Describe the quantity released, location and the response actions taken?

N/A

c. Soil samples taken? (Summarize results.)

N/A

d. Groundwater samples taken? (Summarize results.)

N/A

e. Remedial action and confirmation results? (Describe.)

N/A

26. Is there visible or documented evidence of tank leakage or spills in the vicinity? (If yes, describe.)

No

AST #2

1. Tank number or identification: None identified. Tank is associated with the water evaporator.

2. Tank type: ____ underground __X__ aboveground ____ on-ground

3. Age of tank: current status (active, abandoned, etc.) Active

4. Date closed, deactivated, or removed from service: Active

5. If deactivated, was it done according to applicable regulations and API and NFPA standards? (API Bulletins 1604 and 2202 and NFPA Bulletin 30.) Unknown

6. Present contents: Wastewater

7. Volume: Unknown

8. Waste or product? Waste

9. Length of storage: Unknown

10. Past contents: Wastewater

11. Time period: Unknown

12 Construction material: Plastic

13. Capacity: ~1,000 gallons

14. Dimensions: Unknown

15. Does the tank have corrosion protection? No

16. Describe any spill prevention or containment devices: Tank is within secondary containment

17. Describe any air pollution control devices or systems, installation date and details, and monitoring results. None identified. Air emissions from water evaporator are permitted under the YRCAA

18. Has the tank ever been tested for leaks? (attach a copy) Unknown
If yes, by what method?

19. Describe any stationary leak detection equipment: None identified.
What were the results? _____

20. Was any remedial action taken? N/A

If yes, describe.

21. Is the tank subject to permitting or registration? None identified

a. If yes, what type of permit?
b. Regulatory agency?
c. Status of the permit?

22. Any record of past non-compliance? (If yes, describe.)

None reported.

23. Has the tank been maintained in accordance with applicable regulations and industry standards, such as those set by the American Petroleum Institute (Bulletins 1621 and 1623), and the National Fire Protection Association (Bulletins 329, 70, and others)?

Unknown

24. Estimate future cost of compliance with federal, state, and local tank regulations.

Unknown

26. Any information about record of past spills or leaks?

None identified.

a. If yes, chemical released?

N/A

b. Describe the quantity released, location and the response actions taken?

N/A

c. Soil samples taken? (Summarize results.)

N/A

d. Groundwater samples taken? (Summarize results.)

N/A

e. Remedial action and confirmation results? (Describe.)

N/A

26. Is there visible or documented evidence of tank leakage or spills in the vicinity? (If yes, describe.)

No

Descriptions of Operations Questionnaire

Part 4. Container Storage Information

Provide the following information for each container storage area used in the past and present to store hazardous materials or chemicals, including wastes and fuels. Include any areas which have been abandoned, removed, etc. Also, provide a drawing of the storage area(s) illustrating containment, piping, sumps, drains, and other associated structures, equipment or devices.

See Figures 3 and 4 of the site SPCC plan (Appendix H of the Phase I ESA)

1. Location of container storage area: Outdoor storage area on the west side of the Main Facility

2. Size: ~10,000 sf 3. Dimensions: Unknown

4. Capacity (i.e., number of drums): Approximately 20 drums observed on site during site walk

5. Containers placed on: _____ bare soil _____ concrete _____ asphalt ___X___ other (rack)

6. Describe any curbs, berms, trenches, pits, sewers, drains, liners, coatings, sealants or other spill containment/leak prevention devices. Describe and indicate on the drawing how spills and leaks are expected to be managed:

   A stainless steel lined trench is located near the covered portion of the outdoor storage area. The trench is located along the perimeter of the covered portion of the storage area, within the fencing. Wastewater collected in the trench is piped through underground piping to the water evaporator within the Main Facility.

7. Is the area protected from rainfall? (If yes, describe.) Half of the storage area is covered. The drum storage rack is uncovered.

8. If no, how is accumulated water managed? Surface runoff. Some rainwater is collected in the lined trench system near the covered portion of the outdoor storage area. Material collected in the trench system is pumped to the water evaporator within the Main Facility.

9. Describe and indicate on the drawing the location and materials of construction for any pits, sewers, drains, trenches etc. used to manage accumulated water.

   See Figure 2 of the sit SPCC plan (Appendix H of the Phase I ESA), and Figure 2 of the Phase I ESA.

10. Is the area protected from run-on? (If yes, describe.) Yes. The area is higher than the adjacent asphalt paved surfaces. The storage area is sloped from the Main Facility down towards a lined trench system. Surface drainage patterns are described in the site SPCC plan, provided in Appendix H of the Phase I ESA.

11. Is access controlled? (If yes, how?) The storage area is secured with fencing.

11. Are chemicals segregated according to compatibility?

    Yes

a. If yes, are there physical barriers between chemical types?

Oils are stored together on the drum storage rack, while solvents were stored together on a separate shelf on the storage rack.

13. List chemicals stored currently, or in the past:

Chemical	*Quantity*	*Waste or Product?*
Solvents	2 drums observed	Product
Oils	~ 15 drums observed	Product
Coolants	~3 drums observed	Product

14. How long are chemicals typically stored in this area? Unknown

15. Is the area subject to permitting? No

16. Regulatory agency? None identified

17. Status of the permit? None identified

18. Any record of past non-compliance? (If yes, describe.)

None identified

19. Any record of past spills or leaks?

According to the SPCC plan, a spill of approximately 13 gallons of Skydrol (hydraulic fluid) through a window panel was reported in the spring of 1998. Reportedly, the material was immediately removed from the soil surface and all stain soil was removed. The Yakima County Emergency Reponse Authority was notified and provided consultation on cleanup and disposal of the impacted soil. The Washington State Department of Ecology required no further action.

The SPCC plan also reported that a leak was discovered in underground piping associated with an underground containment sump in the outdoor storage area in November 2007. Reportedly, the underground containment sump collected water from outdoor catch basins in the outdoor storage area and pumped to the water evaporator system through underground piping. No further information regarding the leak was reported. During MWH's site reconnaissance, a stainless steel lined trench system, newly installed in 2009, was observed in the outdoor storage area. The trench system is graded to a sump pump within the trench that pumps collected fluids underground to the water evaporator.

20. If yes, chemical released? See above

21. Quantity released? See above

22. Soil samples taken? (Summarize results.) None reported

23. Groundwater samples taken? (Summarize results.) None reported

24. Remedial action? (Describe.) None identified

25. Current status? Storage area in use, no cleanup action identified.

26. Is there visible or documented evidence of container leakage or spills? (If yes, describe.)

None observed

26. What is the condition of the containers?

The containers were in good condition during the site visit.

Descriptions of Operations Questionnaire

Part 5. Polychlorinated Biphenyls

1. a. Have any surveys been done to identify PCBs on site? (If yes, attach a copy.)

   According to the site contacts, no official PCB surveys have been performed at the site. Reportedly, PCB containing items were identified by an internal survey conducted by the plant maintenance team. No further information was provided regarding the PCB containing items or the methods used once identified.

   b. Have any annual reports regarding PCBs been prepared? (If yes, attach a copy.)

   No

2. Are there any electrical transformers, capacitors, hydraulic systems, or heat transfer systems which may contain PCBs? (If yes, list.)

   A pad mounted electrical transformer was observed on the northwestern corner of the Main Facility. No labels indicating PCB content were observed on the transformer. No cracking or staining was observed on surfaces surrounding the transformer.

   Two sets of pole-mounted transformers were observed near the northeastern corner of the Leased Facility. The pole-mounted transformers are owned and maintained by Pacific Power, the electrical service provider to the Site. No labels were observed on the transformers indicating PCB content. No cracking or staining was observed on the transformers.

3. Are any of the above labeled as containing PCBs?

   No

4. Do any transformers or capacitors lack labels stating whether they contain PCBs? If so, has the transformer or capacitor been tested? Have the results been verified in writing with the utility company if the transformer or capacitor is utility-owned?

   Yes. Transformers located in the northwest corner of the Main Facility and near the northeast corner of the Leased Facility lack labels.

5. Are the items in #2 above inspected (documented) regularly? Are they leaking? If yes, might they contain PCBs?

   No. No leaks or staining was observed near the transformers.

6. Are any of the items in #2 located near drains?

   No

7. Has electrical equipment been maintained or disposed of on site? (If yes, describe.)

   No.

8. Do wells on site have older, submersible pumps that could contain PCB contaminated oil? (If yes, identify the location on a map.)

   Unknown.

9. Does the facility store PCBs? Where? (Identify the location on a map and illustrate the major features of the storage area.)

   None reported by site contacts. See response to Question 1

Descriptions of Operations Questionnaire

Part 6. Waste Water and Storm Water

1. a. Provide the following information for each sanitary wastewater, industrial wastewater or storm water discharge. Locate the underground pipes, ditches, discharge point, etc. on a site map and indicate the materials of construction and an evaluation of each system's integrity.

Discharge Point: South 28th Avenue (See plumbing diagrams presented in Appendix H of the Phase I ESA

Disposition of Discharge: X POTW _____ Surface Water

Other (specify): None

Type of Discharge: _____ Storm Water X Sanitary _____ Industrial

Pretreatment Required? X No _____ Yes ; Describe: _____

Source(s) of Water	***Suspected Contaminants***	***Volume/Month***

Conveyance System on Site: (e.g., pipe or ditch) Pipes

Is there a permit for this discharge? If yes, provide a copy and include monitoring requirements and compliance monitoring results for the past two years and a history of previous results.

X No _____ Yes

Describe any violations or evidence of contamination (visual or records), reasons for the violations, and response of the facility.

None identified

b. Provide the following information for each sanitary wastewater, industrial wastewater or storm water discharge. Locate the underground pipes, ditches, discharge point, etc. on a site map and indicate the materials of construction and an evaluation of each system's integrity.

Discharge Point: See Figure 2 of the site SPCC plan for surface drainage patterns (Appendix H of the Phase I ESA)

Disposition of Discharge: _____ POTW X Surface Water

Other (specify): None

Type of Discharge: X Storm Water _____ Sanitary _____ Industrial

Pretreatment Required? X No _____ Yes ; Describe: _____

Source(s) of Water	*Suspected Contaminants*	*Volume/Month*
Stormwater	None identified	Unknown

Conveyance System on Site: (e.g., pipe or ditch) Surface drainage to non-paved areas

Is there a permit for this discharge? If yes, provide a copy and include monitoring requirements and compliance monitoring results for the past two years and a history of previous results.

X No _____ Yes

Describe any violations or evidence of contamination (visual or records), reasons for the violations, and response of the facility.

NA

3. Are any wastewaters accumulated or treated on site? (If yes, describe and show the location for accumulation and treatment.)

A water evaporator system is used to treat mop water and wastewater generated from operations in the Main Facility. The water evaporator is reportedly permitted for 8,000 lbs of TCE emissions annually. The water evaporator location is shown on Figure 2 of the site SPCC plan (Appendix H of the Phase I ESA).

_____ Septic Tanks

_____ Leach Fields

_____ Seepage Pits

_____ Dry Wells or Soakaways

_____ Primary Sewage Treatment

_____ Secondary Sewage Treatment

_____ Tertiary Sewage Treatment

_____ Industrial Pretreatment

_____ Lagoons, Pits, Surface Impoundments or Holding/Retention Ponds

_____ Oil/Water Separators

_____ Sumps

_____ Sludge Handling Equipment (e.g., filter press)

_____ Holding Tanks

_____ Sludge Drying Beds

3. For all of the items in #2 above, list any permits and describe any history of non-compliance. (Attach copies of permits.)

Permit	***Authority***	***Compliance History***
Unknown	Yakima Regional Clean Air Authority	No violations identified

A copy of the RCAA permit was requested but has not been provided.

4. Describe any past releases or discharge of chemicals into storm water, sanitary and industrial systems, or surface waters. Describe any visual evidence of releases or poor performance, such as inadequate treatment or containment.

None identified

5. Identify any existing or proposed technology-based standards under the Clean Water Act or state or local law that the facility is or potentially will become subject to.

None identified

MODULE 5

Compliance Evaluation

Objective:

The compliance evaluation is designed to identify specific areas of non-compliance with environmental regulations. It is applicable to any active industrial or commercial operations on the subject property whether conducted by owners, operators, or tenants and is intended to identify potential liabilities associated with the transfer of an operating business.

The following questionnaire will help determine which environmental permits and programs are applicable to a particular facility. A finding that an environmental permit or program is applicable to a facility triggers the need to perform a more in-depth audit of the compliance status of these permits or programs. Checklists and guidance to be referenced and used in performing the appropriate audit are available in the following EPA guidance manuals:

> *Multi-Media Compliance Inspection Manual*
> U.S. Environmental Protection Agency
> Office of Enforcement and Compliance Monitoring
> National Enforcement Investigations Center
> 4th edition, July 1989. (guidance and checklists)
>
> *Multi-Media Inspection Manual*
> U.S. Environmental Protection Agency
> Office of Enforcement
> National Enforcement Investigations Center
> March, 1992. (guidance)

A compliance evaluation was not performed as part of this Phase I ESA.

Tasks:

The contractor will perform the following general tasks to meet the requirements of the compliance evaluation:

1. Review public records.
2. Review facility/owner records.
3. Conduct a site inspection.
4. Interview a significant cross section of current and former facility personnel with knowledge of environmental compliance issues.
5. Document the inspection process and findings.

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Compliance Evaluation Questionnaire

Part 1. Summary of Regulatory Status

1. List all environmental regulatory programs with which the facility must comply:

Program	***Regulated Activity***
RCRA	MQG of hazardous wastes
CERCLA	N/A
TSCA	N/A
CLEAN AIR	N/A
CLEAN WATER (NPDES)	N/A
UST	N/A
EPCRA	N/A
SDWA	N/A
Other (e.g., state and local)	Yakima Regional Clean Air Authority – Water evaporator and paint booth emissions

2. Does the facility have an EPA identification number? (If yes, record it below.)

   WAD009266511

3. List all environmental permits. Include federal, state, and local permits (e.g., underground storage tanks, air emissions, surface water discharges, hazardous waste management, and injection wells).

Permit	***I.D. #***	***Expiration Date***	***Issuing Agency***
RCRA Generator	**WAD009266511**	Unknown	EPA
RCRA Treatment Storage & Disposal	N/A		
NPDES/SPDES	N/A		
Air Emissions	**WAD009266511**	Unknown	YRCAA
Underground Storage Tanks	N/A		
Other (e.g., state and local)	N/A		

4. Have any environmental permits lapsed? (If yes, list the permit and expiration date.)

According to the Site contacts, no.

5. Identify any permits which would not be transferable to a new owner/operator.

   None identified.

6. For permits that would be transferable, describe any special conditions which must be met to transfer the existing permit or obtain a new permit, such as upgrading pollution control equipment.

   None identified.

Compliance Evaluation Questionnaire

Part 2. Compliance Status

1. Is the facility currently out of compliance with the requirements of any program or permit? (If yes, identify the program or permit, provide details of non-compliance, and indicate what steps are necessary to bring the facility into compliance.)

* The "Applicable Appendix" listing below refers to the Appendix in EPA's Multi-Media Compliance Inspection Manual 1989 (prepared by the National Enforcement Investigation Center) which contains check lists for evaluating whether or not a facility is in compliance with a particular program. The consultant should refer to these check lists to determine compliance.

** "Update" references the Media Specific Investigation Procedures page numbers in EPA's Multi-Media Inspection Manual 1992 (prepared by the National Enforcement Investigation Center) which provide more recent guidance for performance of the investigation to evaluate compliance.

No current compliance violations were identified.

Applicable Program	***Appendix****	***Update***	***Area of Non-Compliance***	***Required Response***
Air Pollution	*D*	*68 - 73*	N/A	
Water Pollution	*E*	*64 - 68*	N/A	
RCRA	*F*	*41 - 64*	N/A	
Hazardous Waste		*42 - 56*	N/A	
UST		*56 - 58*	N/A	
Medical Waste		*58 - 62*	N/A	
Pollution Prevention		*62 - 64*	N/A	

Applicable Program	***Appendix****	***Update***	***Area of Non-Compliance***	***Required Response***
Land Disposal Restriction	*G*	*54 - 56*	N/A	
CERCLA	*H*	*90 - 95*	N/A	

TSCA PCB	*J*	*75 - 79*	N/A	
TSCA Sections 5&8	*K*	*79 -84*	N/A	
Pesticide (FIFAA)	*L*	*84 -87*	N/A	
Water Supply (SWDA)	*M*	*73*	N/A	
Underground Injection Control		*73 - 75*	N/A	
Community Right-to-Know		*87 - 90*	N/A	
Other			N/A	

2. Has the facility been inspected by any regulatory agencies such as the fire department, health department (local, state, or federal), EPA, or OSHA? (Provide copies of inspection reports.)

   Compliance evaluation inspections by the State of Washington were reported by EDR for the years 1984, 2002, 2005, and 2008. Areas of violation reported for the inspections included General and Pre-Transport. No further information was provided by EDR.

3. Do any inspection reports indicate cases of non-compliance or enforcement actions?

   None identified

4. Do the records indicate a history of non-compliance with any of the environmental regulatory programs with which the facility must comply? (If yes, identify the program, provide details of non-compliance, and describe the measures taken, if any, to bring the facility into compliance.)

   Several written information notices of violations identified as "general" were reported for the Site by EDR. The NOVs were issued in 1984, 2002, 2005, and 2008. No further information was provided by EDR.

5. Has the facility ever been cited for a violation of environmental law or regulations, or has the facility entered into a consent order to correct such violations? (If yes, identify the program, provide details of the violation, and describe the measures taken, if any, to correct the violation and to prevent repeat occurrences.)

No such violations have been identified.

6. Has the property ever been listed as a site requiring or qualifying for cleanup under any environmental law (federal, state, or local)? (If yes, identify the program, describe the basis for such listing, and describe the outcome and current status.)

   No information regarding cleanup requirements have been identified.

7. If any regulatory programs require, or have required, periodic sampling or monitoring, provide a brief summary of these requirements, noting periods of non-compliance and attach copies of the sample results for the most recent three-year period.

   None identified.

8. If any regulatory program requires notification or reports, please provide copies.

   Not identified.

9. List and describe the spill or release event and response history of the facility. Indicate for each event the material, quantity, location, date, response actions, confirmation results, and notification and reporting performed.

   None identified.

MODULE 6

Environmental Setting

Objective:

To accurately assess the environmental risks associated with a property, we must examine the environmental media into which a pollutant might enter in the event of a release and try to predict migration pathways. This requires knowledge of the soils, geology, hydrogeology, surface water, and topography of the site and the surrounding area. In addition, environmental hazards are not always limited to problems created by man's activities; we must also be concerned with natural hazards, such as naturally occurring uranium, asbestos, and radon.

Tasks:

The contractor will perform the following general tasks to describe the environmental setting, estimate potential migration pathways, and identify natural hazards:

1. Obtain and study topographic maps, site maps and drawings, and current and historical aerial photos.
2. Conduct a site visit.
3. Review public records.
4. Interview a significant cross section of knowledgeable facility personnel and other persons knowledgeable about the area.

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Environmental Setting Questionnaire

Part 1. Topography and Surface Water

1. Attach a topographic map of the site and the immediate vicinity. Illustrate the following features on the map:

   - North arrow and scale;
   - Elevations above mean sea level;
   - Prominent topographic features (e.g., hills, valleys, and sinkholes) on the site and surrounding properties;
   - Rain patterns, especially within active industrial areas on the subject property and any surrounding properties which may contribute run-on to the subject site;
   - Surface water bodies on site and in the immediate vicinity;
   - Floodplains or tidal zones in the vicinity (if present, attach floodplain or tidal zone map);
   - Wetlands or similar protected areas (if present, attach U.S. Army Corp of Engineers Wetlands Map); and
   - Man-made features which influence, or have influenced run-off and surface water flow rates and direction (e.g., flood control devices, storm water channels, and dams).

   (If a topographic map of the site cannot be obtained, use a plot plan or provide a sketch illustrating general drainage patterns and significant topographic features.)

   Topographic maps are included as Appendix C of the Phase I ESA.

2. Prepare and attach a site drainage map and describe the flow of surface run-off from the point of origin, across the subject site, to its final destination (e.g., major surface water body). Include the following information:

   - Describe where the surface waters in the vicinity recharge and discharge;
   - Discuss the influence of rainfall run-off, groundwater springs, streams, and pumped wells to surface water and groundwater;
   - Explain how surface waters interact, recharge or discharge with groundwater; and
   - Describe how buildings, drainage ditches, subsurface pipes, sewer lines, surface waters, and grade might affect flow.

   Surface water appears to sheet flow from paved surfaces on the site to unpaved surfaces for infiltration. No catch basins or stormwater infrastructure was observed on site.

3. Attach an original copy of the U.S. Geological Service 7.5 X 15 minute Topographic Quad Map showing the site and surrounding area. The scale of the map should be 1:24000 or larger (i.e., 1:12000 would be preferred). Indicate the location of the site.

   Topographic maps are included as Appendix C of the Phase I ESA.

Environmental Setting Questionnaire

Part 2. Groundwater/Geology

1. Describe the regional geology and hydrogeology and attach a geologic map and a minimum of 2 perpendicular continuous cross-section(s) of the subject site and the immediate vicinity. Identify all soil and geologic horizons underlying the site up to and including the first sustained use potable aquifer. Review regional data, boring logs, soil survey reports, etc. Identify the following features on the map and cross section(s):

   - Depth below surface to groundwater, including perched water;
   - Aquitards and confining layers;
   - Direction of groundwater flow in each hydrogeologic strata or saturated zone;
   - Confined and unconfined aquifers;
   - Water supply and injection wells on site and in the vicinity;
   - Types of rock formations on site, their depth below surface and estimated or reported competency; and
   - Sinkholes, solution channels, Karst geology or other preferential pathways which may act as a conduit for groundwater.

   As reported by EDR, the dominant soil type located in the general area of the site consists mainly of fine-grained soils. The soil type is loamy sand to at least 6 feet below ground surface (bgs). The soil drainage class is defined as somewhat poorly drained.

2. Attach boring logs, well construction diagrams, well permits, and any sampling or monitoring results available for each groundwater well on site.

   None provided for review.

3. Attach a map showing the locations of all groundwater wells within 1 mile of the site. Describe well use, and attach copies of boring logs, well construction diagrams, well permits, and any sampling or monitoring results available for each groundwater well.

   A map is provided in the EDR Radius Map Report (Appendix A of the Phase I ESA).

4. Attach a map or sketch of soil types on the site. Provide a summary description of each soil type on the site and attach a key explaining the classification method. Where factual information is not available for geotechnical parameters, use professional judgment, and standard soil references to estimate the parameters. Identify estimated information.

   The following was provided by the EDR Radius Map Report (Appendix A of the Phase I ESA):

   Soil type #1: Silt Loam

   Location: Within 1/8 mile of the Site

   Permeability: Not identified

   Drainage: Identified as Class C soils – low infiltration rates

Texture: Fine grained soil

Structure: Not identified

Comments:

Soil type #2:

Location:

Permeability:

Drainage:

Texture:

Structure:

Comments:

Soil type #3:

Location:

Permeability:

Drainage:

Texture:

Structure:

Comments:

5. Provide a brief history of seismic activity in the vicinity and identify any known faults on or near the subject site.

   No faults were identified in the near vicinity of the site and no seismic activity was identified for the site.

6. Describe the general quality of all groundwaters in each aquifer underlying the site, classification, basis for classification other than general use and identity of any potable water sources. Include the depth of the water source below the ground surface and an estimate of well productivity.

   EDR did not identify any potable water sources within a 1-mile radius of the site. Depth to water in federal USGS wells within ¼ of a mile of the Site was reported at 6 and 32 feet below ground surface.

7. Identify any natural deposits of hazardous materials in the vicinity of the site (e.g., asbestos, evidence of environmental contamination, uranium, petroleum, and radon).

   None identified.

8. Identify on a map and describe any mining or oil and gas production activities in the vicinity.

   None identified.

MODULE 7

Evidence of Environmental Contamination

Objective:

While most of the other modules are designed to identify circumstances which create a potential for environmental contamination, we must also look for direct evidence of releases of hazardous substances into the environment. This is accomplished by examining available sampling data, visual indicators, and reports of pollution incidents.

Tasks:

The contractor will perform the following general tasks to gather evidence of environmental contamination:

1. Review public records.
2. Review on site records and those of surrounding facilities.
3. Conduct a site inspection and create a photographic record of the site and your observations.
4. Interview the facility's owner/operator, a cross section of facility employees (if allowed) and knowledgeable local officials.

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Evidence of Environmental Contamination Questionnaire

1. Is there any visual evidence or verbal report of releases of chemicals into the soil, surface water, ground water, or air on the subject site or surrounding properties? Pay particular attention to the following conditions. On an attached sheet, identify the nature of the evidence, the location, the construction volume and contents of any structure, the extent of the affected or potentially affected area, and potential migration pathways. Also attach photographs to document your observations. Describe any efforts (whether completed or ongoing) to address any resulting contamination.

   None identified.

   - No Stressed vegetation
   - No Stained soil, paving, walls, or other surfaces
   - No Newly painted or repainted surfaces
   - No Abandoned, stored, or discarded containers, tanks, or machinery
   - No Leaking or corroded containers, piping, tanks, pumps, transformers and other devices
   - No Lagoons, surface impoundments, sand filters, sludge drying beds, dry wells, pits, or other infiltration structures
   - No Stockpiled materials (rock salt, coal, etc.)
   - No Foul fumes, chemical or other odors
   - No Oily sheens, foaming, high solids, colored or discolored surface water
   - No Unexplained depressions, elevations, mounds, or piles
   - No Dead animals (including fish)
   - No Uncontrolled dumping
   - No On site waste disposal (e.g., landfilling, land treatment, waste piles)
   - No Seeps at the base of disposal sites (e.g., landfills)
   - No Seeps at the base of chemical or waste holding ponds or tanks
   - No New paving or gravel
   - No Irregular land surface
   - No Other (specify)

2. Is there any visual evidence of releases into building interiors or structure on site? Pay particular attention to the following conditions. On an attached sheet, identify the location and provide a description of the affected area. Also attach photographs to document your observations.

   - No Sumps, pits, drains, sewers
   - No Service trenches
   - No Piping, tanks or containers
   - No Stained or discolored walls
   - No Stained or discolored ceilings or structural supports
   - No Parts washing, degreasing

No Paint booths

No Plating areas

No Chemical or hazardous material storage and use and waste generation

No Other (specify)

None identified.

3. Are there any file records to indicate past releases of chemicals into the soil, surface water, air, or groundwater at the subject site or neighboring properties? Do any records indicate that the subject property or any neighboring property has been evaluated by a governmental agency for potential remediation? Consider the following sources of information. Identify the suspected source and location of the contamination, any response actions, and the current status of the releases. Attach a copy of all records which indicate a past release and provide a summary description.

No Citizen complaints

No Spill response reports

No RCRA Facility Assessment Report

No Sampling or monitoring data

No Photographs (including aerial photos)

No Records of on site disposal

No Notifications under Section 103(c) of CERCLA

No CERCLA Preliminary Assessment/Site Investigation Report

No Regulatory inspection reports

No Tank tests

No Facility records, including litigation files, notices, requests for information, etc.

No SARA 311/312/313 Reports

X Other (specify) SPCC Plan

A spill of approximately 13 gallons of Skydrol (hydraulic fluid) through a window panel was reported in the spring of 1998. Reportedly, the material was immediately removed from the soil surface and all stain soil was removed. The Yakima County Emergency Reponse Authority was notified and provided consultation on cleanup and disposal of the impacted soil. The Washington State Department of Ecology required no further action.

The SPCC plan indicated that a leak was discovered in underground piping associated with an underground containment sump in the outdoor storage area in November 2007. Reportedly, the underground containment sump collected water from outdoor catch basins and pumped to the water evaporator system. No further information regarding the leak was reported. During the site reconnaissance, a stainless steel lined trench system, newly installed in 2009, was observed in the outdoor storage area. The trench system is graded to a sump pump within the trench that pumps collected fluids underground to the water evaporator.

4. Attach a summary of any past or present sampling or monitoring conducted on the subject property or surrounding properties. Identify the purpose of the sampling (e.g., voluntary or required for compliance), summarize the results, and attach a copy of all analytical data.

   None identified.

5. Is there any evidence of on-site disposal of demolition debris?

   X No _____ Yes (If yes, attach a description)

6. Does the area receive surface run-off from adjacent sites? (If yes, could this run-off be contaminated from past or continuing releases?)

   Not observed.

7. Does the history of the property or of surrounding properties indicate past activities which are likely to have resulted in contamination? (If yes, identify the location and describe the activity on a separate sheet.)

   N/A Wood treaters

   N/A Motor vehicle or industrial fueling, maintenance, or repair shops

   N/A Truck, construction, or heavy equipment fueling, maintenance, marshaling or parking/ storage yards, or repair shops

   N/A Commercial or municipal waste disposal sites

   X Underground storage tanks, petroleum pipelines

   N/A Aboveground storage in tanks or containers of hazardous materials, chemicals, or fuels

   N/A Commercial pest applicators

   N/A Metal plating operations

   N/A Metal manufacturing or processing operations

   N/A Scrap metal recyclers, car breakers and junk yards

   N/A Oil and gas exploration

   N/A Radioactive waste management (i.e., Department of Energy property or medical offices)

   N/A Rail car maintenance, cleaning, and repair activities

   N/A Mining operations or energy production

   N/A Chemical manufacture, and blending, refining or processing

   N/A Petroleum refining, processing, transfer and bulk terminals

   N/A Military bases

   N/A Paper mills

   N/A Dry cleaners

N/A Electrical/electronics manufacturers

N/A Pharmaceutical manufacturers

N/A Industrial park

N/A Paint and solvent manufacture, blending or sales

N/A Golf courses

N/A Asphalt production facilities

N/A Marinas

N/A Airports and aircraft/aerospace industries

N/A Printing operations

N/A Degreasing

N/A Other (specify)

8. Describe any evidence of environmental contamination not otherwise addressed.

None identified.

MODULE 8

Asbestos and Indoor Contamination

Objective:

This module includes a review of conditions in or on structures on the subject site which may represent the potential for human exposure to hazardous substances. These conditions can include high levels of radon, asbestos-containing building materials, and other structural contamination.

Tasks:

The contractor will perform the following general tasks to investigate the facility's structures and potential indoor pollution:

1. Review owner/operator records and site plans for the facility.
2. Conduct an inspection of each structure and create a photographic record of the facility and your observations.
3. Interview the facility's owner/operator, a cross section of employees and knowledgeable local officials.
4. Review public records.

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Asbestos and Indoor Contamination Questionnaire

Part 1. Asbestos

1. Has a survey been done to identify asbestos-containing materials?

   __ No _____X_ Yes (If yes, attach a copy) The report is presented in Appendix H of the Phase I ESA.

2. Was the surveying directed by a Certified Industrial Hygienist (CIH)? __X__ No ____ Yes

   The survey was performed by EPA-Accredited Building Inspectors and the report reviewed by a Senior Associate Geologist.

3. What type of asbestos has been found at the facility? How much? Where? Attach a map of the facility indicating the location of all ACM.

   2% Chrysotile asbestos was detected in approximately 1,815 sf of floor tile in the Main Facility lunchroom. 1% chrysotile asbestos was detected in approximately 60 sf of molding in the lunchroom. See the report presented in Appenidx H of the Phase I ESA

4. What is its condition? Is it exposed? Friable?

   The tile and molding are exposed in the lunchroom. According to the Asbestos/LBP report, the material was considered non-friable.

5. Has an estimate for removal ever been done? (If yes, attach a copy and summarize the results below.)

   No

6. Describe the asbestos-related assessments, testing, remedial action, and O&M program. Also describe how compliance with applicable OSHA, EPA, state and local regulations is managed by these documents.

   Results of the asbestos survey are described above. If the site undergoes expansion or deconstruction, the ACM will need to be removed and disposed of in accordance with Washington State regulations by certified asbestos workers.

7. If asbestos-containing insulation materials are present on boilers or other mechanical room equipment, do employees perform routine maintenance or emergency repairs on such equipment, or are such services performed by outside contractors? Do employees working with asbestos-containing material receive special training or wear protective equipment while performing such work?

   None identified.

8. If asbestos-containing material was previously at the property but was removed, describe the removal operation, the amount of material removed, when it was done, by whom, whether the removal took place in or adjacent to areas occupied by employees and, if known, the location of disposal of the material.

No ACM removal operations were reported by the Site contacts.

9. Are there specific policies, guidelines, or procedures applicable to tenants, employees, and/or outside contractors concerning asbestos-containing materials? If so, please provide copies of any such documents.

No such information was provided by Site contacts.

Asbestos and Indoor Contamination Questionnaire

Part 2. Indoor Pollution

1. Is there noticeable vapor, mist or dust in the air within any of the buildings? (If yes, identify the location and the suspected source and composition of the dust, mist or vapor.)

   None observed.

2. Do any buildings on site contain urea formaldehyde foam insulation (UFFI)? (If yes, identify the location.)

   Yes. The Main Facility near shipping and receiving in the southwestern corner. The Leased Facility also uses UFFI for packaging near the central portion of the building.

3. Do workers wear respirators or other protective devices anywhere in the building? (If yes, identify the location and describe why these devices are necessary; if no, should they be used in any areas where they are not currently being used?)

   Yes, during painting operations in the Paint Booth Room.

4. Have workers, tenants, or other occupants reported any of the following symptoms only when they are in the building? Eye irritation, dry throat, headache, fatigue, sinus congestion, skin irritations, shortness of breath, cough, dizziness, and nausea. If yes, have these symptoms been related to building changes including remodeling, renovation, new furniture, new energy-conserving measures, extermination of pests, or switching from air conditioning to heating?

   None identified.

5. Have any complaints been registered against the facility with regulatory agencies (e.g., state and local health departments or OSHA)? (If yes, provide a copy of any available documentation and summarize below.)

   None identified.

6. Has the water ever been tested for lead? Has lead been detected in the water? Attach results.

   Not according to the Site contacts.

7. Are there any unusual odors in the building? (Describe.)

   None observed.

8. Has the building ever been tested for elevated levels of carbon monoxide, formaldehyde, radon, volatile organic compounds, pesticides (including chlordane, heptachlor or chlorpyrifos)? (If yes, attach the results and provide a summary.)

   Not according to the Site contacts.

9. Are there any records of or complaints about health problems resulting from indoor air pollution on the site? (If yes, attach the results and provide a summary.)

   None identified.

MODULE 9

Occupational Safety and Health

Objective:

This module is designed to identify significant liabilities associated with safety issues and occupational exposures to hazardous substances. The module is primarily a review of the compliance history of the facility.

Tasks:

The contractor will perform the following general tasks to investigate the facility's occupational safety and health practices:

1. Review public records.
2. Review facility records.
3. Interview the facility's owner/operator, a cross section of facility personnel (if allowed), and knowledgeable local officials.
4. Conduct a site inspection of industrial areas of the facility.
   Create a photographic record of your observations.

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Occupational Safety and Health Questionnaire

1. Describe any of the following programs or policies used in conjunction with occupational safety and health issues.

   _____ A Worker Medical Surveillance Program to medically monitor the health of workers potentially exposed to toxic materials or physical hazards?

   _____ A program for workers who are required to wear respiratory protection for maintenance, production or emergency response activities?

   _____ A Corporate Medical Policy and Safety Occupational Health Policy?

   _____ A Corporate Preventive Health Maintenance Program?

   _____ A routine Physical Exam Program?

   _____ Accident reports and records of safety and health training for all employees?

   Occupational safety and health questions were not performed as part of the Phase I ESA.

2. Are the following records available for review? If so, attach copies covering the last five (5) years or as otherwise noted.

   _____ Workers' Compensation Claim Records (annual summary for the last three (3) years).

   _____ OSHA Log of Injuries and Illnesses (annual summary for the last three (3) years).

   __X__ OSHA violations (summaries).

   _____ Corporate Safety and Health Policies and Practices.

   _____ In-house Accident and/or Injury Reports (annual summaries).

   Occupational safety and health questions were not performed as part of the Phase I ESA; however, an EDR Industrial Site Package ordered for a limited EHS compliance assessment performed by MWH in 2007 as Project Jump was reviewed. Five OSHA violations were reported for the Site.

3. Based on OSHA or Workers' Compensation Data:

   _____ List most frequent types of accidents/injuries.

   _____ List fatalities over the last three (3) years and describe the cause.

   _____ List loss incidents which exceeded twenty-five thousand dollars ($25,000) over the past three (3) years.

   Occupational safety and health questions were not performed as part of the Phase I ESA.

4. What are the names of the insurance companies/underwriters for the facility?

   Occupational safety and health questions were not performed as part of the Phase I ESA.

5. Have there been Environment Impairment Liability (EIL) insurance audits done? By whom?

   Occupational safety and health questions were not performed as part of the Phase I ESA.

6. Did the facility make any SARA Title III notifications and does it maintain Material Safety Data Sheets (MSDS)? (If yes, attach copies of the notification and most recent MSDS.)

   Occupational safety and health questions were not performed as part of the Phase I ESA.

APPENDIX H

Site Records:

Yakima Regional Clean Air Authority Permit

Plumbing Diagrams

Chemical Inventory, January 2009

Spill Prevention Control and Countermeasures Plan

Underground Storage Tank Correspondence Letters

Annual Hazardous Waste Reports for 2007 and 2008

ACM/LBP Survey, August 14, 2007

Well Log

Project Jump EHS Site Summary Package

Project Jump EDR Industrial Site Package, December 13, 2006

Phase I Site Assessment, October 19, 2006

YAKIMA REGIONAL CLEAN AIR AUTHORITY

Six So. Second St., Suite 1016 Larson Building
Yakima, WA. 98901

IN THE MATTER OF COMPLIANCE BY DOWTY AEROSPACE YAKIMA (DAY). with Section 70.94.161 RCW, Operating Permits for Air Contaminant Sources, and the rules and Regulation of the Yakima Regional Clean Air Authority (YRCAA).	))))))	Regulatory Order Number: SM. 98-002

To: Dowty Aerospace Yakima (DAY)
2720 W. Washington Avenue
P.O. Box 9907
Yakima, WA 98907-0907
Attn: Mr. Daryl Robins
E. H. & S. Manager

I.
Jurisdiction

This order is issued pursuant to the authority of Revised Code of Washington (RCW) 70.94.141 (effective 1970), Washington Administrative Code (WAC) 173-400-091 (effective 9/20/93) and WAC 173-401-300 (effective 11/4/93).

II.
Legal Authority

II.1 WAC 173-401-300(7) (effective 11/4/93), Federally Enforceable Limits, states in part:

"Any Source which is defined as a chapter 401 source solely because its potential to emit exceeds the annual tonnage thresholds defined in WAC 173-401-200(17) (effective 11/4/93) shall be exempt from the requirements to obtain an operating permit when federally enforceable conditions which limit that source's potential to emit to levels below the relevant tonnage thresholds have been established for that source".

"In applying for an exemption under this subsection, the owner or operator of the source shall demonstrate to the permitting authority that the source's potential to emit, taking into account any federally enforceable restrictions assumed by the source, does not exceed the tonnage thresholds defined in WAC 173-401-200(18) (effective 11/4/93). Such demonstrations shall be in accordance with WAC 173-401-520 (effective 11/4/93) and shall contain emissions measurement and monitoring data, location of monitoring records, and other information necessary to support the source's emission calculations".

"Permitting authorities may use the following approaches to establish

federally enforceable limitations: (i) Regulatory orders... WAC 173-400-091 (effective 9/20/93)..., (ii) Notice of Construction approvals... (iii) General permits..."

II.2 WAC 173-400-091(1) states:

"Upon request by the owner or operator of a source, ecology or the authority with jurisdiction over the source shall issue a regulatory order that limits the source's potential to emit any air contaminant or contaminants to a level agreed to by the owner or operator and ecology or the authority with jurisdiction over the source."

II.3 By limiting the potential to emit to levels below the tonnage thresholds defined in WAC 173-401-200(18), and by following the provisions of this order, Dowty Aerospace Yakima will not be required to obtain an Operating Permit in accordance with WAC 173-401, Operating Permit Regulation.

II.4 YRCAA Restated Regulation I, Article VIII (effective 11/18/93), Penalty and Severability, Section 8.02 states in parts:

"Any person who fails to take action as specified by an order issued pursuant to this Chapter (VIII) shall be liable for a civil penalty of not more than Ten Thousand Dollars ($10,000) per day for each day of continued noncompliance".

III.
Findings of Fact

The Yakima Regional Clean Air Authority (YRCAA) makes the following Findings of Fact:

III.1 Dowty Aerospace Yakima (DAY) is the owner and operator of an aerospace metal parts machining and manufacturing company which supplies finished aerospace mechanical parts such as hydraulic actuators and assemblies to the aerospace manufacturing industry. DAY is located in the City of Yakima, Yakima County, Washington. Hazardous Air Pollutants (HAP's) and Volatile Organic Compounds (VOC's) are the main air pollutants emitted from this source.

III.2 In the production of the finished mechanical parts, some require degreasing, some require painting, etc. These processes have the potential to emit HAP's that exceed the threshold given in WAC 173-401-300 applicability. Therefore, DAY, is required to obtain an Air Operating Permit in accordance with WAC 173-401, Operating Permit Regulation.

III.3 DAY has requested that YRCAA limit the above described operations' potential to emit HAP's to levels below threshold applicability to Air Operating Permit Regulation in accordance with the federal, state and YRCAA laws and regulations thresholds.

III.4 DAY, has an NOC number NC07_93 issued August 15, 1993 for the Vapor Degreaser Modification with maximum allowable emissions of 8,000 pounds of Trichloroethylene per year. A total of 8,000 pounds per year of Trichloroethylene emission cap shall be used instead of the air operation permit emission threshold of 10 tons per year based on the issued NOC. A combinations of any two HAP's is limited to 25 tons per year including the Trichloroethylene as per the air operation permit emission threshold. VOC's emissions also must be limited to not exceed 100 tons per year.

THEREFORE, IT IS ORDERED BY the Yakima Regional Clean Air Authority, in relation to the above, that the operation by Dowty Aerospace Yakima be subject to the following conditions:

IV.
Emission Limits and Conditions

IV.1 For the operations described above, the usage of Trichloroethylene must be limited to 8,000 pounds per year (4 tons per year) . All other HAP's emission including the Trichloroethylene must not exceed 25 tons per year. It is the responsibility of DAY to keep their emissions below these threshold. Dowty Aerospace Yakima must log and keep record of the daily usage of the Trichloroethylene. Quantity of paints and other used solvents must be logged and recorded based on DAY monthly usages. The daily and the monthly record shall be designed by DAY to include at least the batch number/lot number of barrels, quantity of materials used, supplier name, time and date of recording/usage.

IV.2 The daily and the monthly record must be submitted to YRCAA in a quarterly report and must be available at any time to YRCAA personnel when requested and/or during inspection. For emissions of paints and solvents which have no established emission factor by US EPA, DAY must use mass balance for calculating the air emission based on the Materials Safety Data Sheets (MSDS). The quarterly report shall be submitted to YRCAA within 10 working days of the last day of the month of each period (i.e., within 10 working days from the end of March; June; September; and December).

IV.3 The quantities of Trichloroethylene, paint and other solvents used, shall be totalled monthly which must coincide with purchase and inventory records, supplier documents and MSDS. From the log records data, the resulting emissions for all pollutants, including the Trichloroethylene and supporting documentation must be reported to YRCAA on an annual bases. The annual report must be submitted within thirty (30) working days from the end of each calendar year (i.e., 30 working days from December 31, of the prior year).

IV.4 HAP's including Trichloroethylene and VOC emissions must not exceed 25 tons and 100 tons per year, respectively. If any of the above quantity limits is exceeded during any time in the calendar year, it must be reported within ten (10) working

days of the calculation, or discovery, or order, whichever comes first. It is the responsibility of Dowty Aerospace Yakima to ensure that those quantities or the threshold limit of HAP's, VOC's or any criteria pollutants are not exceeded.

IV.5 Adjustments to the above limits may be made by issuing a separate order as provided in WAC 173 400-091 after receipt by YRCAA of a formal written request from Dowty Aerospace Yakima. Issuance of a new separate order per WAC 173 400-091 may be done if more refined calculations or testing are conducted or if justified by evidence presented to the YRCAA that assures the above thresholds will not be exceeded. In the event that Dowty Aerospace Yakima assures that the emissions threshold limits will not be exceeded through a process change, the change/s shall be reviewed through a Notice of Construction in accordance with WAC 173-400-110 and Section 4.02 of the YRCAA Regulation I.

IV.6 If DAY determines that the emissions limit of Trichloroethylene maximum limited of 8,000 pounds per year (4 tons per year) or HAP's of a maximum including the Trichloroethylene of 25 tons per year thresholds are no longer desired in their plant operation, Dowty Aerospace Yakima must submit an Air Operating Permit Application in accordance with WAC 173-401. Until an Air Operating Permit is issued, Dowty Aerospace Yakima will continue to be bound by this Order.

IV.7 Any application form, report, or compliance certification, including the quarterly and annual consumption report, submitted pursuant to this Order shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

IV.8 The pressure drop of the paint booth shall be maintained between 0.5 to 0.7 inches of water column. If the pressure drop is outside the the above range the filter must be changed immediately.

IV.9 This Order is valid only after payment of appropriate fee(s) required pursuant to WAC 173-400-104.

Nothing in this order alters the facility's obligation to comply with other laws, including air laws and regulations, except that Dowty Aerospace Yakima application for, receipt of, and compliance with this order exempts Dowty Aerospace Yakima from the requirement to obtain an Air Operating Permit.

Any violation of such rules and regulations or of the terms of this approval, including, but not limited to, exceedances of emission limits demonstrated by source testing or emissions calculations, shall be subject to the sanctions provided in Chapter 70.94 RCW and YRCAA Restated Regulation I.

The provisions of this authorization are severable and, if any provision of this authorization, or application of any provisions of this authorization to any circumstance, is

held invalid, the application of such provision to other circumstances, and the remainder of this authorization, shall not be affected thereby.

Any person feeling aggrieved by this ORDER may obtain review thereof by application, within thirty (30) days of receipt of this ORDER to the Pollution Control Hearings Board, P.O. Box 40903, Olympia, WA 98504-0903. Concurrently, a copy of the application must be sent to Yakima Regional Clean Air Authority, Six So. Second St., Suite 1016, Yakima, WA 98901. These procedures are consistent with the provisions of Chapter 43.21B RCW and the rules and regulations adopted thereunder.

DATED at Yakima, Washington this 5th day of November, 1998.

PREPARED BY:

Hasan Tahat, Ph.D.
Air Pollution Engineer
Yakima Regional Clean Air Authority

APPROVED BY:

Les Ornelas
APCO- Director
Yakima Regional Clean Air Authority

Certificate of Registration *

As a Synthetic Minor Source

Facility Name: GE Aviation

Facility Address: 2720 W. Washington Ave. Yakima, WA

YAKIMA REGIONAL

CLEAN AIR

Agency

Must be displayed conspicuously at place of business

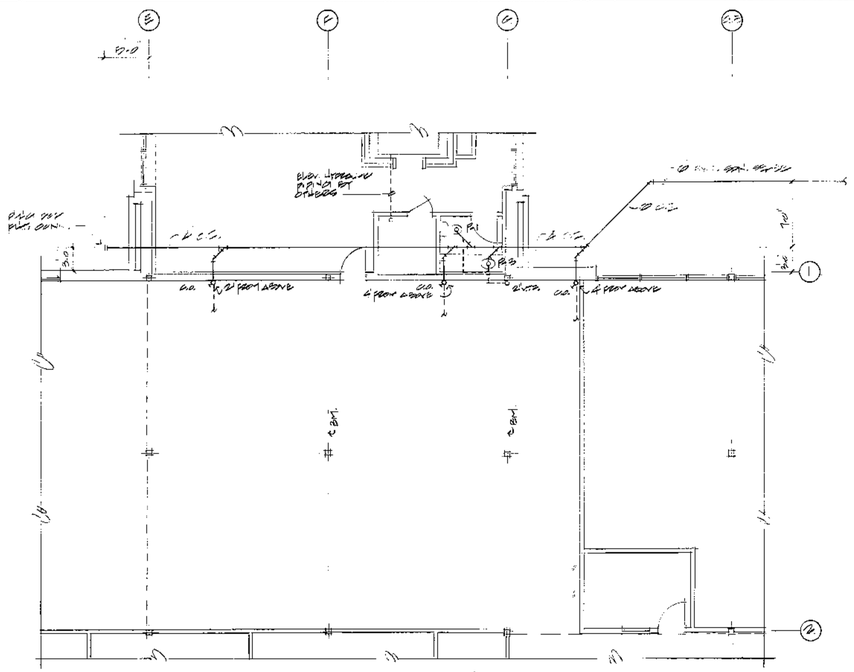
Expires 10/15/2011

329 North First Street, Yakima, WA 98901-2621

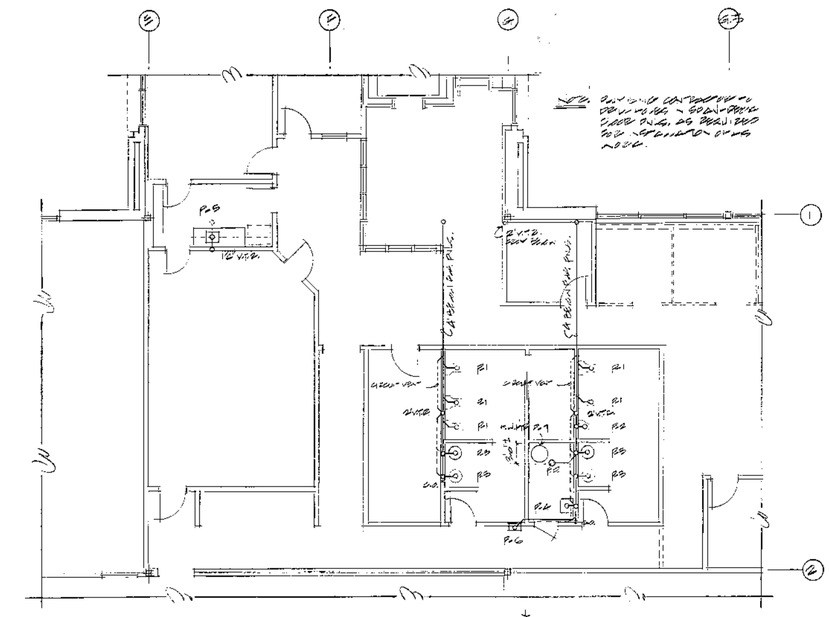
*Classification Required per Yakima Regional Clean Air Agency Regulation I

Gary W. Pruitt

Air Pollution Control Officer



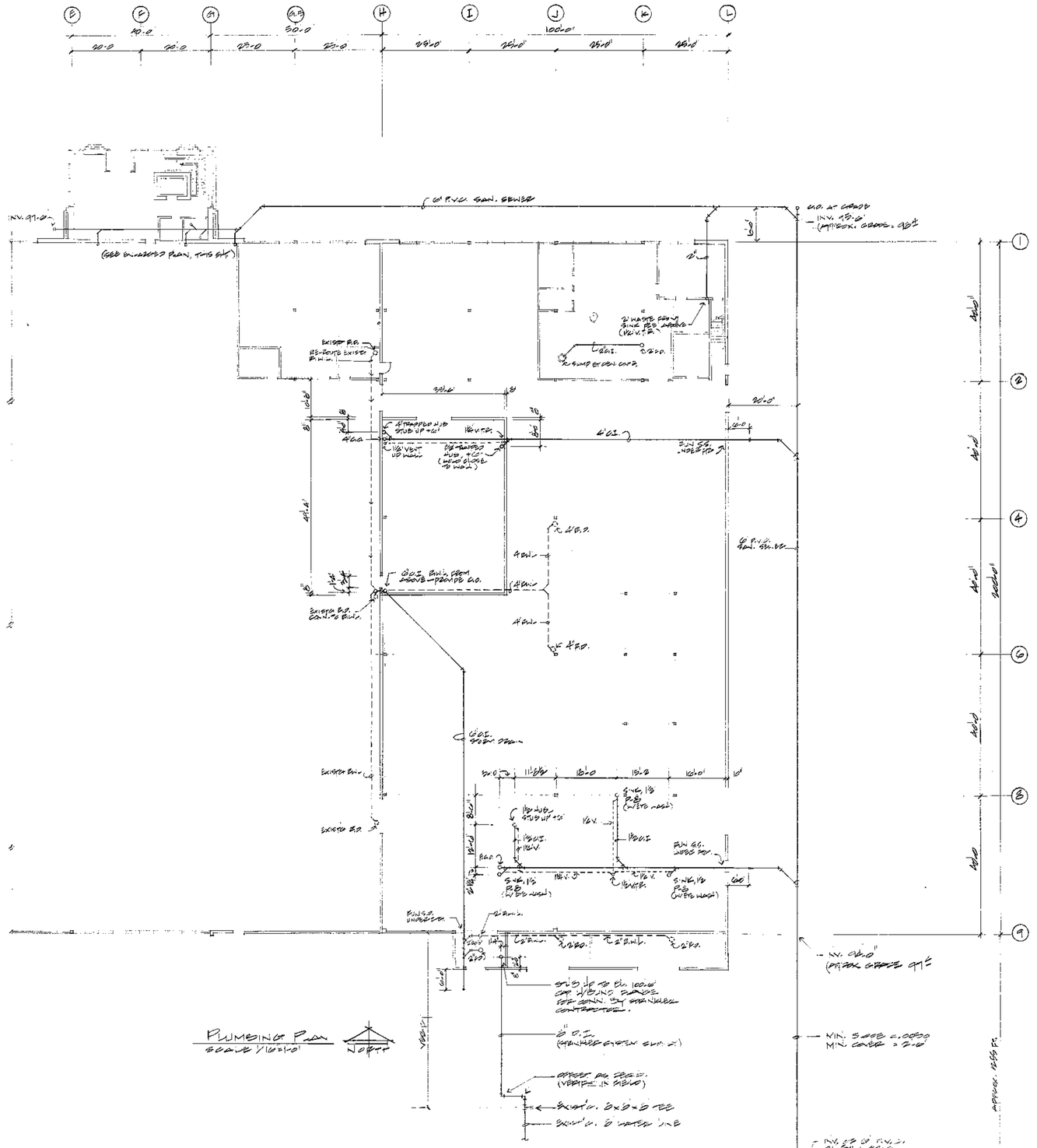
PARTIAL 1ST FLOOR PLUMBING PLAN
SCALE 1/8" = 1'-0"



PARTIAL SECOND FLOOR PLUMBING PLAN
SCALE 1/8" = 1'-0"

PLUMBING FIXTURE CONNECTIONS

FIXTURE DESIGNATION	FIXTURE	C.W.	H.W.	WASTE	VENT	REMARKS
P-1	WATER CLOSET	3/8"	—	3"	2"	TANK TYPE
P-2	URINAL	1/2"	—	2"	1 1/2"	FLUSH VALVE
P-3	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	
P-4	SERVICE SINK	1/2"	1/2"	2"	1 1/2"	
P-5	SINK	1/2"	1/2"	1 1/2"	1 1/2"	
P-6	DRINKING FT.	1/2"	—	1 1/2"	1 1/2"	
P-7	H.W. HTR.			—	—	
P-8	SINK	1/2"	1/2"	1 1/2"	1 1/2"	



PLUMBING PLAN
SCALE 1/16" = 1'-0"

R. S. CAMERON & COMPANY, P.S.
ARCHITECTS & ENGINEERS
YAKIMA, WASHINGTON PH. 453-6301

REVISIONS:

JOB NAME: ADDITIONS & ALTERATIONS TO FOOD PROCESSING FACILITIES FOR DIRECTOR OF AGRICULTURE, STATE OF WASHINGTON

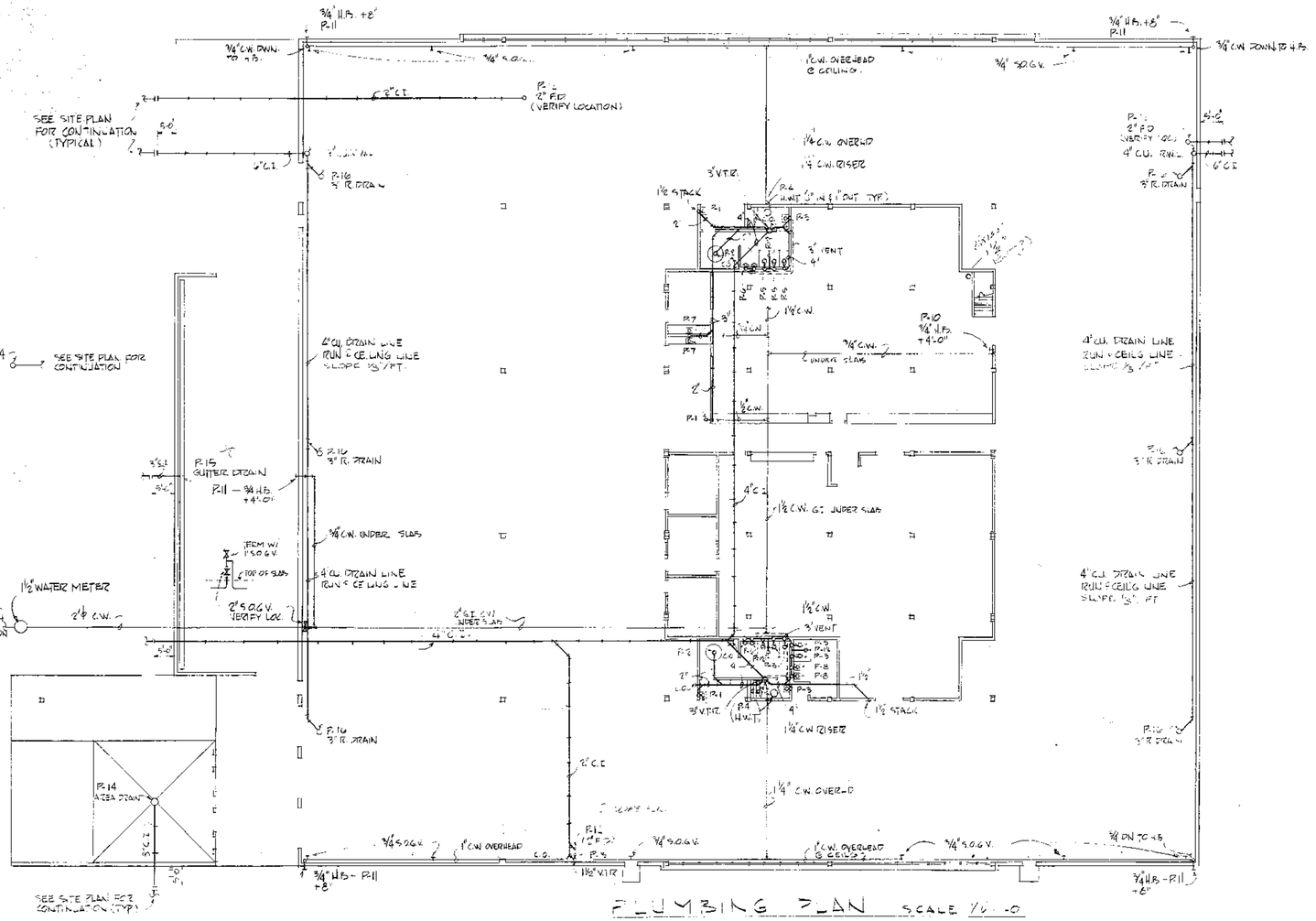
DRAWN BY:

DATE: JAN. 1984

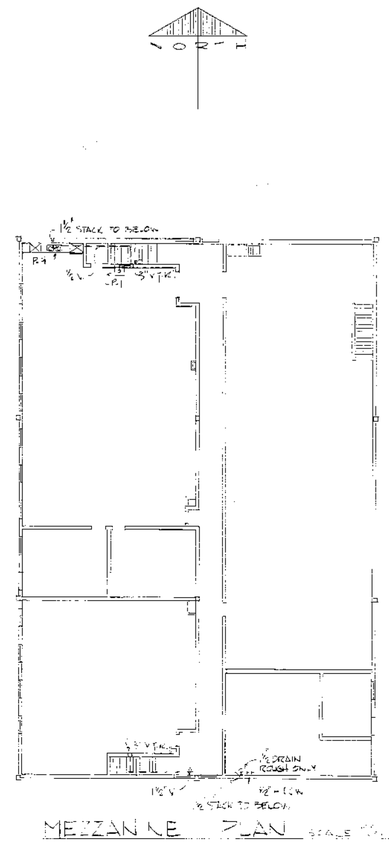
JOB NO.: PRINT DATE:

SHEET NAME: PLUMBING PLAN

M-1



PLUMBING PLAN SCALE 1/4" = 1'-0"



MEZZANINE PLAN SCALE 1/4" = 1'-0"

FIXTURE CONNECTIONS				
FIXTURE	H.W.	C.W.	WASTE	VENT
WATER CLOSET	—	1 1/4"	3"	2"
LAVATORY	1/2"	1/2"	1 1/4"	1 1/4"
URINAL	—	1 1/4"	2"	1 1/2"
SINK	1/2"	1/2"	1 1/2"	1 1/2"
DRINKING FOUNT	—	1/2"	1/4"	1/4"
F.D.	—	—	2"	1/2"
WASHFOUNTAIN	1"	1"	2"	—

NOTE: ABOVE SIZES ARE MINIMUM. LARGER SIZES SHALL BE PROVIDED WHERE REQUIRED BY JOB CONDITIONS OR PLUMBING CODES.

PLANT EXPANSION for
DESOTO DIVISION
REGAVERON-ARCHITECT
MEMBER AMERICAN INSTITUTE OF ARCHITECTS

GE Aviation Systems
Yakima, WA
Materials Used in Production Operations
Shop Floor Chemical Sweep - January 2009

MSDS#	Material Name	Manufacturer Name (Country - Phone)	Shop Floor Area
Y.1-10	EC-117S; Epoxy Primer Curing Solution	AKZO NOBEL AEROSPACE COATINGS (U.S. - 847-623-4200)	Paint Room
Y.1-102	MURIATIC ACID, 20 BAUME	ELF Atochem North America, Basic Chemicals (U.S. -)	NDT
Y.1-11	10P4-2; Cadmium Free FR Epoxy Primer	AKZO NOBEL AEROSPACE COATINGS (U.S. - 847-623-4200)	Paint Room
Y.1-112	BRAYCO 363	Castrol Industrial North America Inc. (U.S. - 1-800-621-9300)	Facility-wide
Y.1-12	X-501 CURING SOLUTION FOR 646-58 SER	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Paint Room
Y.1-122	030 L Peelable Wall Coating	Chemco Manufacturing Co., Inc. (U.S. - 708-480-7700)	Paint Room
Y.1-13	EC-213; HS EPOXY PRIMER CURE SOLUTION	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Paint Room
Y.1-14	HIGH SOLIDS EPOXY PRIMER (10P20-13)	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Paint Room
Y.1-147	PR-1440 B-1/2, Part A Accelerator component	PRC-DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Assembly & Test
Y.1-148	PR-1750 B-1/2, Part A Accelerator component	Prc-desoto International, Inc. A PPG Industries Company (U.S. - 818-240-2060)	Assembly & Test
Y.1-149	PR-1750 B-1/2, Part B Base component	PRC-DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Assembly & Test
Y.1-150	Pro-Seal 870 B-1/2, Part B Base component	PRC-DeSoto International, Inc. A PPG Industries Company (U.S. - 818-240-2060)	Assembly & Test
Y.1-166	0200T126; Curing Solution, 422XT2 & 422XT3 Series	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Paint Room
Y.1-176	MOLYKOTE Z POWDER	Dow Corning Corporation (U.S. - 989-496-6000)	Assembly & Test
Y.1-195	Acetone	ExxonMobil Chemical Company (U.S. - 281-870-6000)	Facility-wide
Y.1-196	Methyl Ethyl Ketone	ExxonMobil Chemical Company (U.S. - 800-726-2015)	Paint Room
Y.1-197	MACHINE TOOL LONG LIFE COOLANT	Exxonmobil Corporation (U.S. - 800-662-4525)	Oil Rack
Y.1-198	MOBIL VACTRA OIL NO. 1	Exxonmobil Oil Corporation (U.S. - 800-947-9147)	Oil Rack
Y.1-200	Mobil SHC 629	EXXON MOBIL CORPORATION (U.S. - 800-662-4525)	Oil Rack
Y.1-201	MOBILGEAR 630	EXXON MOBIL CORPORATION (U.S. - 800-662-4525)	Oil Rack
Y.1-204	Lubriplate No. 630-A, 630-AA, 630-AAA, 630-2	Fiske Brothers Refining Co., d/b/a LUBRIPLATE Lubricants Co. (U.S. - 419-691-2491)	Integration Test
Y.1-21	CA 8000B Desothane HS Activator	PRC-DeSoto International Inc. A PPG Industries Company (U.S. - 818-240-2060)	Paint Room
Y.1-210	RTV167 Polydimethylsiloxane Sealant	GE Silicones (U.S. -)	Assembly & Test
Y.1-219	PART B BMS 5-126G	LILLY INDUSTRIES, INC. (U.S. - 206-772-6550)	Assembly & Test
Y.1-22	EPIBOND 1539A	Huntsman Advanced Materials Americas Inc. (U.S. - 800-257-5547)	Assembly & Test
Y.1-220	PART A BMS 5-126G	LILLY INDUSTRIES, INC. (U.S. - 206-772-6550)	Assembly & Test
Y.1-222	Habcool 318 Tapping Oil	H&B Petroleum Company (U.S. - 973-664-0144)	Oil Rack
Y.1-225	Loctite 242 Threadlocker Medium Strength	Henkel Corporation (U.S. - 860-571-5100)	Assembly & Test
Y.1-226	Loctite 290 Threadlocker Wicking Grade	Henkel Corporation (U.S. - 860-571-5100)	Assembly & Test
Y.1-227	Loctite Locquic Primer T 7471 Aerosol	Henkel Corporation (U.S. - 860-571-5100)	Assembly & Test
Y.1-23	Hardener S 66/22 R	Akzo Nobel Aerospace Coatings (The Netherlands - +31-071-308-3382)	Paint Room
Y.1-232	EPIBOND 1539B-10	HUNTSMAN ADVANCED MATERIALS AMERICAS INC. (U.S. - 818-247-6210)	Assembly & Test
Y.1-247	Steel Blue Layout Fluid	ITW Dykem (U.S. - 1-800-443-9536)	Facility-wide

GE Aviation Systems
Yakima, WA
Materials Used in Production Operations
Shop Floor Chemical Sweep - January 2009

MSDS#	Material Name	Manufacturer Name (Country - Phone)	Shop Floor Area
Y.1-26	Gloss Grey Durathane #16473, Fed. Std. 595B (Lead & Chrome Free	Tempo Aerospace Inc. (Canada - 416-746-2233)	Paint Room
Y.1-287	Loctite 271 Threadlocker High Strength	Henkel Corporation (U.S. - 860-571-5100)	Assembly & Test
Y.1-293	Loctite 609 Retaining Compound Press Fit	Henkel Corporation (U.S. - 860-571-5100)	Assembly & Test
Y.1-3	73X Reconditioner	INDEPENDENT INK INCORPORATED (U.S. - 310-523-4657)	Paint Room
Y.1-300	LPS 1	LPS Laboratories (U.S. - 770-243-8800)	Engineering
Y.1-302	LPS ZeroTri Super Cleaner/Degreaser	LPS Laboratories (U.S. - 770-934-7800)	Engineering
Y.1-305	Electrosolve Contact Cleaner	M.G. Chemicals (Canada - 1-800-201-8822)	Engineering (solder room)
Y.1-31	HS Epoxy Primer Activator (EC-214)	Akzo Nobel Aerospace Coatings (U.S. - 847 623 4200)	Paint Room
Y.1-317	MS-941/CO2 Safezone Precision Cleaning Solvent	Miller-Stephenson Chemical (U.S. - 203-743-4447)	Engineering (solder room)
Y.1-32	High Solids Epoxy Primer (10P20-14)	Akzo Nobel Aerospace Coatings (U.S. - 847 623 4200)	Paint Room
Y.1-321	MOBIL DTE 18M	EXXON MOBIL CORPORATION (U.S. - 800-662-4525)	Oil Rack
Y.1-322	Mobil DTE 24	EXXON MOBIL CORPORATION (U.S. - 800-662-4525)	Oil Rack
Y.1-323	MOBIL DTE OIL HEAVY	EXXONMOBIL CORPORATION (U.S. - 800-662-4525)	Oil Rack
Y.1-324	MOBIL DTE OIL HEAVY MEDIUM	Exxon Mobil Corporation (U.S. - 800-662-4525)	Oil Rack
Y.1-325	Mobil DTE Oil Light	Exxonmobil Oil Corporation (U.S. - 800-662-4525)	Oil Rack
Y.1-327	MOBIL VACTRA OIL NO. 2	Exxonmobil Oil Corporation (U.S. - 800-662-4525)	Oil Rack
Y.1-328	MOBIL VACTRA OIL NO. 4	Exxon Mobil Corporation (U.S. - 800-662-4525)	Oil Rack
Y.1-33	White 595B-17925 #718225 (4221T17925)	Akzo Nobel Aerospace Coatings (U.S. - 847 623 4200)	Paint Room
Y.1-331	MOBIL VELOCITE OIL NO. 10	Exxon Mobil Corporation (U.S. - 800-662-4525)	Oil Rack
Y.1-332	MOBIL VELOCITE OIL NO. 3	Exxonmobil Oil Corporation (U.S. - 281-834-3296)	Oil Rack
Y.1-333	MOBIL VELOCITE OIL NO. 6	ExxonMobil Oil Corporation (U.S. - 800-662-4525)	Oil Rack
Y.1-34	Curing Solution for 422XT1 - series	Akzo Nobel Aerospace Coatings (U.S. - 847 623 4200)	Oil Rack
Y.1-341	MOBILGREASE SPECIAL	EXXONMOBIL OIL CORPORATION (U.S. - 800-662-4525)	Oil Rack
Y.1-348	MOBILUBE HD 85W-140	EXXON MOBIL CORPORATION (U.S. - 800-662-4525)	Oil Rack
Y.1-36	FR Epoxy Primer Curing Solution (CA-116)	Akzo Nobel Aerospace Coatings (U.S. - 847 623 4200)	Paint Room
Y.1-366	ALODINE 1200S BULK	Henkel Technologies, Henkel Corporation (U.S. - 248-583-9300)	NDT
Y.1-37	Fluid Resistant Epoxy Primer (463-12-8)	Akzo Nobel Aerospace Coatings (U.S. - 847 623 4200)	Paint Room
Y.1-385	PR-1776M B-1/2, Part A	PRC-DeSoto International, A Division of PPG Canada Inc. (Canada - 900-629-7999)	Assembly & Test
Y.1-387	Isopropanol	PTI Process Chemicals (U.S. - 815-653-3856)	Facility-wide
Y.1-39	Leak-Tec 372G	American Gas & Chemical Company, Ltd. (U.S. - 201-767-7300)	Assembly & Test
Y.1-392	CA 8000/B707 Desothane HS Gloss Gray	PRC-DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Paint Room
Y.1-393	CA 8000C Desothane HS Thinner	PRC-DeSoto International, Inc. A PPG Industries Company (U.S. - 818-240-2060)	Paint Room
Y.1-396	CA 8211/F36375 Desothane HS Camouflage Gray Base Component	PRC-DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Paint Room

GE Aviation Systems
Yakima, WA
Materials Used in Production Operations
Shop Floor Chemical Sweep - January 2009

MSDS#	Material Name	Manufacturer Name (Country - Phone)	Shop Floor Area
Y.1-397	CA 8800Z Desothane HS Buffable Activator	PRC-DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Paint Room
Y.1-398	PR-1440 B-1/2, Part B Base component	PRC-DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Assembly & Test
Y.1-399	PR-1750 B-2, Part A - Accelerator component	PRC-DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Assembly & Test
Y.1-403	PRO-SEAL 870 B-12, Part A Accelerator component	PRC - DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Assembly & Test
Y.1-431	INSTAFILL COMPONENT A	Sealed Air Corporation Engineered Products Division (U.S. - 203-791-3500)	Shipping & Receiving
Y.1-432	INSTAPAK MOLDING FOAM COMPONENT B	Sealed Air Corporation, Engineered Products Division (U.S. - 203-791-3500)	Shipping & Receiving
Y.1-433	INSTAPAK PORT CLEANER	Sealed Air, Protective Packaging Division (U.S. - 203-791-3500)	Shipping & Receiving
Y.1-434	INSTAPACK DISPENSER SOLUTION	Sealed Air Corporation, Protective Packaging (U.S. - 203-791-3500)	Shipping & Receiving
Y.1-444	MCS-352B LUBRICANT	SOLUTIA INC. (U.S. - 1-314-674-6661)	Engineering
Y.1-455	MAN-863-5 OR MAN-863-55 HONING OIL	Sunnen Products Company (U.S. -)	Oil Rack
Y.1-47	Turco 4215 NC-LT	Henkel Surface Technologies, Henkel Corporation (U.S. - 248-583-9300)	NDT
Y.1-510	Aerodur Finish SGL Aluminium, aluminium (000589FSA17178)	Akzo Nobel Aerospace Coatings (The Netherlands - +31-0-71-3083382)	Paint Room
Y.1-525	Brayco Micronic 882	Castrol Industrial North America, Inc. (U.S. - 1-800-621-2661)	Engineering
Y.1-55	EPIBOND 1526A	Huntsman Advanced Materials Americas Inc. (U.S. - 800-257-5547)	Assembly & Test
Y.1-56	EPIBOND 1526B	Huntsman Advanced Materials Americas Inc. (U.S. - 800-257-5547)	Assembly & Test
Y.1-57	MIL-PRF-85285C Ty. I Catalyst	Griggs Paint (U.S. - 602-243-3293)	Paint Room
Y.1-58	MIL-PRF-85285D Ty.I Cl.H Pt.2	Griggs Paint (U.S. - 602-243-3293)	Paint Room
Y.1-585	Aeroshell Grease #7	SOPUS Products (U.S. - (877) 276-7285)	Assembly & Test
Y.1-595	Clear Gloss Urethane Base #46CG-1 Mil-C 83286	Tempo Aerospace Inc. (Canada - (416) 746 2233)	Paint Room
Y.1-60	73XNW Black Marking Ink	Independent Ink Incorporated (U.S. - (310) 523-4657)	Assembly
Y.1-600	Aeroshell Grease 17	SOPUS Products (U.S. - (877) 276-7285)	Mil Oil Test
Y.1-61	Epoxy Solvent (K101)	Tempo Aerospace Inc. (Canada - (416) 746 2233)	Paint Room
Y.1-614	Shell Tonna Oil S 32	Shell Aseol AG (Switzerland)	Oil Rack
Y.1-615	SCC-205 Coolant Concentrate	Sunnen Products Company	Fuse Finish
Y.1-62	Durathane (Urethane) Catalyst	Tempo Aerospace Inc. (Canada - (416) 746 2233)	Paint Room
Y.1-64	Yellow Epoxy Primer, Bams 565-001	Tempo Aerospace Inc. (Canada - (416) 746 2233)	Paint Room
Y.1-69	EC-776 FUEL RESISTANT COATING	3M, AEROSPACE AIRCRAFT MAINT DIVISION, INDUSTRIAL ADHESIVES AND TAPES (	Assembly & Test
Y.1-7	F-925 SKYDROL	ORGANIC PRODUCTS COMPANY (U.S. - 972-438-7321)	Facility-wide
Y.1-88	EPOXY TOPCOAT,HS,ACTIVATOR (0200T129)	Akzo Nobel Aerospace Coatings Inc. (U.S. - 847-623-4200)	Paint Room
Y.1-91	Flat Gray Epoxy TC 595B-36231	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Paint Room
Y.1-92	PC-226 CURING SOLUTION	Akzo Nobel Aerospace Coatings Inc. (U.S. - 847-623-4200)	Assembly & Test
Y.1-93	REDUCER	AKZO NOBEL AEROSPACE COATINGS (U.S. - 847-623-4200)	Assembly & Test
N/A	Rustoleum Protective Enamel Aerosol - Flat White	Rustoleum Corporation (U.S. - 847-367-7700)	Paint Room

GE Aviation Systems
Yakima, WA
Materials Used in Production Operations
Shop Floor Chemical Sweep - January 2009

MSDS#	Material Name	Manufacturer Name (Country - Phone)	Shop Floor Area
N/A	Royco 44	Chemtura Canada Co. (Canada - 905-827-9087)	Assembly & Test
N/A	Isopar L Fluid	ExxonMobil Chemical Company (U.S. - 281-870-6000)	Facility-wide
N/A	Evercoat Dura Build Gray Premium Acrylic Primer Surface 102273	Fibre Glass - Evercoat (U.S. - 513-489-7600)	Paint Room
N/A	DuPont Velva Seal Acrylic Sealer Gray #1986 S	Dupont (U.S. - 800-441-7515)	Paint Room
N/A	Sandstrom Dry Film Lubricant #238	Sandstrom Products Co. (U.S. - 800-747-1084)	Paint Room
N/A	3M Adhesive Remover	3M Industrial Adhesives and Tapes (U.S. - 800-3M HELPS)	Paint Room
N/A	Mobil Hydraulic Oil 46	ExxonMobil Lubricants (U.S. - 800-662-4525)	Oil Rack
N/A	Mobilgear 626	Exxon Mobil Corporation (U.S. - 800-947-9147)	Oil Rack
N/A	Mobilgear 627	Exxon Mobil Corporation (U.S. - 800-947-9147)	Oil Rack
N/A	Mobilgear 629	Exxon Mobil Corporation (U.S. - MSDS Request - 713-613-3661)	Oil Rack
N/A	Mobilmet 762	Exxon Mobil Corporation (U.S. - 800-947-9147)	Oil Rack
N/A	CA 8800CT Desothane HS Buffable Thinner	PRC - DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Paint Room
N/A	CA 8800/F17865 Desothane HS Buffable GL White	PRC - DeSoto International, Inc., A PPG Industries Company (U.S. - 818-240-2060)	Paint Room
N/A	Mobilith SHC 220	Exxon Mobil Corporation (U.S. - 800-947-9147)	Oil Rack
N/A	Ametek AAA Oil	Houghton International, Inc. (610-666-4105)	Assembly & Test
N/A	Loctite 330 Depend No-Mix Adhesive	Henkel Corporation (860-571-5100)	Assembly & Test
N/A	Mastinox D40	PPG Aerospace - DeSoto (Europe)	Assembly & Test
N/A	SSP-1401-L	Specialty Silicone Products, Inc. (518-885-8826)	Assembly & Test
N/A	RTV 162 Sealant - White	Momentive Performance Materials (800-505-7355)	& T and Engineering (SR)
N/A	Epoxy Catalyst 4500-C-23Y	Tempo Aerospace (416-746-2233)	Assembly & Test
N/A	SSS Spot Lifter Aerosol	Triple S (978-667-7900)	Engineering (solder room)
N/A	CRC Extreme Duty Silicone	CRC Industries, Inc. (800-521-3168)	Fuse Cell
N/A	Dykem Remover (Aerosol)	ITW Dykem (800-443-9536)	Facility-wide
N/A	Tonna Oil V68	SOPUS Products (U.S. - (877) 276-7285)	Oil Rack
N/A	683-3-2 Akzo Nobel	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Assembly & Test
N/A	646-58-7925 Akzo Nobel	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Assembly & Test
N/A	Loctite Clover Compound	Henkel Corporation (860-571-5100)	Mil Oil Test
N/A	SF-1 Solvent Free Degreaser	L & R Manufacturing Company (201-991-5330)	Mil Oil Test
N/A	MS 720 Precision Cleaning Solvent	Miller-Stephenson Chemical (203-743-4447)	Engineering (solder room)
N/A	Spray-on 711 Lubricant	The Sherwin Williams Company (800-251-2486)	Mil Oil Test
N/A	Turco Smut-Go	Henkel Surface Technologies (248-583-9300)	NDT
N/A	Magnaglo 14A Powder	Magnaflux (847-657-5300)	NDT
N/A	Landa L-229 Parts Washer Detergent	Landa (479-756-5874)	Fuse Finish

GE Aviation Systems
Yakima, WA
Materials Used in Production Operations
Shop Floor Chemical Sweep - January 2009

MSDS#	Material Name	Manufacturer Name (Country - Phone)	Shop Floor Area
N/A	C25/90S Thinner	Akzo Nobel Aerospace Coatings (U.S. - 847-623-4200)	Paint Room
N/A	Demkote Chrome Silver #06MT43 Aerosol	Seymour of Sycamore (815-895-9101)	Paint Room
N/A	Skydrol Lube (MCS 352B)	ORGANIC PRODUCTS COMPANY (U.S. - 972-438-7321)	Assembly & Test

Spill Prevention Control and Countermeasure (SPCC) Plan
GE Aviation Facility
Yakima, Washington

May 5, 2008

Prepared for

GE Aviation
2720 West Washington Avenue
Yakima, Washington 98903

LANDAU ASSOCIATES
130 2nd Avenue South
Edmonds, WA 98020
(425) 778-0907

CERTIFICATION

I hereby certify that I have reviewed this SPCC Plan and that:

(1) I am familiar with the provisions of 40 CFR 112;
(2) I have examined this facility;
(3) This SPCC Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards, and with the requirements of 40 CFR 112;
(4) Procedures for required inspections and testing have been established; and
(5) This SPCC Plan is adequate for the facility.

Name of Registered Professional Engineer: Joseph A. Kalmar

Signature of Registered Professional Engineer: Joseph Kalmar

Date: 5/5/08 Registration # 34611 State: Washington

5/5/08

EXPIRES 05/14/2010

REVIEW OF AND AMENDMENTS TO THE SPCC PLAN

In accordance with 40 CFR 112.5:

(1) This SPCC Plan will be amended when there is a change in the facility design, construction, operation, or maintenance that materially affects its potential for a discharge of spilled oil.

(2) A review and evaluation of this SPCC Plan will be conducted at least once every 5 years. As a result of these reviews and evaluations, GE Aviation will amend the SPCC Plan within six months of the reviews to include more effective prevention and control technology if such technology has been field-proven at the time of review and will significantly reduce the likelihood of a discharge of spilled oil. Any amendment will be implemented as soon as possible, but not later than 6 months following preparation of any amendment

(3) A Professional Engineer will certify any technical amendment to this SPCC Plan.

By signing below the reviewer certifies that "I have completed review and evaluation of the SPCC Plan for the GE Aviation Yakima Facility and will (will not) amend the Plan as a result."

	Review Date	Reviewer	Amend Plan? Will/will not	Signature
1.	1/18/08	J. Kalmar	Will amend	Joseph Kalmar
2.				
3.				
4.				
5.				
6.				

MANAGEMENT APPROVAL

This SPCC Plan has the full approval of the management of GE Aviation at a level of authority to commit the necessary resources to fully implement the Plan. This plan has been reviewed, evaluated, and amended, as required, to include field-proven technologies that will significantly reduce the likelihood of a spill event from this facility.

Authorized Facility Representative: _____ DARYL ROBINS

Signature: _____ Date: _____

Title: _____

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F	Spill Response Procedures and Reporting Form

1.0 INTRODUCTION

The purpose of this Spill Prevention Control and Countermeasure (SPCC) Plan is to prevent oil from being spilled at the GE Aviation Yakima facility to the degree possible. The purpose of this SPCC Plan is also to contain a spill if it should occur, and to prevent it from reaching the environment. The GE Aviation Yakima facility is located at 2720 West Washington Avenue in Yakima, Washington (Figure 1).

This SPCC Plan is required under the Clean Water Act (CWA) for facilities that store petroleum-based liquids above ground in amounts greater than 1,320 gallons (gal) or under ground in amounts greater than 42,000 gal and that could reasonably cause a discharge to navigable waters. This SPCC Plan was prepared in accordance with Title 40, Section 112 of the Code of Federal Regulations (40 CFR 112) that was modified on July 17, 2002 and on December 26, 2006 by the U.S. Environmental Protection Agency (EPA). This SPCC Plan has also been developed to minimize harm to GE Aviation employees and neighbors, and to satisfy related federal, state, and local requirements (see Section 4.6).

1.1 FACILITY OWNER AND OPERATOR

1.1.1 FACILITY OWNER, ADDRESS, AND TELEPHONE

General Electric Company
GE Aviation Division
2720 West Washington Avenue
Yakima, Washington 98903
(509) 248-5000

1.1.2 FACILITY OPERATOR, ADDRESS, AND TELEPHONE

GE Aviation
2720 West Washington Avenue
Yakima, Washington 98903
(509) 248-5000

1.2 FACILITY CONTACTS

Name of Person	Job Title	Phone Extension	Pager or Cell Phone #
Daryl Robins	Environmental Manager	(509) 248-5000 x261	(509) 728-1451
Rob Case	Factory Manager	(509) 248-5000 x216	
Tim Whittlesey	Maintenance Supervisor	(509) 248-5000 x365	(509) 949-6417

2.0 FACILITY DESCRIPTION

2.1 FACILITY OPERATIONS

In this section describe your facility's day-to-day operations, including hours of operation, personnel, and operational history. In your description include a discussion of the modes of transportation used for receiving products and raw materials (e.g., pipeline, railcar, tanker truck).

The industrial operations at the GE Aviation Yakima facility are conducted in or adjacent to the one large facility building (Figure 2). Facility operations include the design, development, and manufacture of integrated aviation mechanical systems. The facility produces a range of equipment, from customized hydraulic components such as actuators, locks, reservoirs, fuses, and accumulators, to fully integrated landing gear extension and retraction systems, including hardware and control software with position sensing. The facility also has an in-house certification test capability.

The GE Aviation Yakima facility stores only moderate volumes of oil and does not store a large enough volume to pose a potential substantial harm to surface waters; a certification of substantial harm criteria checklist is provided in Appendix A. Most of the facility oil transfer and storage operations are conducted indoors. The exceptions are oil drum delivery to the loading dock at the southwestern corner of the facility building, the oil drum storage area located outside near the northwestern corner of the building, and the hazardous waste storage area that is located outside under a roof structure on the western side of the building. Oil is also transferred to the ATS building, across the street from the west side of the main building in sealed containers from the oil storage area of the main facility.

The operations of the GE Aviation Yakima facility are conducted 24 hours per day, 7 days per week. With the exception of initial oil drum delivery to the facility, oil transfer operations are conducted by General Electric (GE) Aviation employees.

2.2 FACILITY STORAGE

In this section describe all types of oil product at your facility including all products stored in aboveground storage tanks (ASTs), underground storage tanks (USTs), oil-filled electrical equipment (e.g., circuit breakers, transformers), spill tanks, oil/water separators, vapor recovery units portable tanks, drum storage, and trucks which hold oil product and are parked onsite.

The main types of oils used at the GE Aviation facility include Skydrol (non-flammable aviation hydraulic fluid), mil oil, penetrant oils, and hydraulic oils. Most of the facility oil transfer and storage operations are conducted inside the building, and one of the main oil storage and transfer areas is the oil storage rack in the western portion of the building (Figure 3). The oil storage rack consists of 16 61-gal oil containers and dispensers. Additional 5-gal pails of oil are stored adjacent to the oil storage rack area, and a transfer pump and portable storage tank for mixing 3 percent coolant oil are also located in this area. Two large equipment reservoirs (1 at 700 gal and the second at 1,200 gal) of coolant oil are

associated with machinery in the building (Figure 3). These oil reservoirs are contained within floor sumps. A third piece of oil-filled operating equipment has the reservoir of 300-gal capacity integral to the equipment above the concrete floor. Other oil-filled operating equipment at the facility are located such that the containment is at or above the floor. There are also 55-gal drums located within the building for accumulation of waste grinder sludge, which contains metals and oil.

There are two pump rooms in the southeast corner of the main building. The room containing only Skydrol stores 607 gal of oil in reservoirs associated with the pump, engineering testing, and four (4) 55-gal barrels. The room containing only mil oil stores 184 gal of oil in reservoirs associated with the pump, engineering testing, and two (2) 55-gal barrels. Fifty-eight (58) gal of Skydrol oil is stored in an engineering test room in the eastern part of the main building.

The ATS building (leased property west of the main building) contains 300 gal of Skydrol oil associated with oil-filled operating equipment (Figure 4).

The only outdoor storage of oils not under a roof is in the drum storage rack area near the northwestern corner of the building and includes full product drums and metal scrap with machine oils. Drums of waste oil are stored in the hazardous waste storage area, and this waste storage area has a roof and secondary containment curb. An inventory of petroleum-based oils stored at the facility is provided in Table 1.

In addition, although not required by the federal SPCC regulations, an inventory of chemicals at the facility other than petroleum-based oils is provided in Table 2, and a list of the types of hazardous wastes generated and temporarily stored at the facility is provided in Table 3.

2.3 DRAINAGE PATHWAY AND DISTANCE TO NAVIGABLE WATERS

This section should describe the facility's proximity to bays, rivers, streams (perennial or intermittent), creeks, ditches, flood control channels, storm drains, and other waterways. Hydrological systems should be diagramed or described.

A vicinity map showing the location of the facility is presented as Figure 1. Approximate stormwater drainage directions are indicated on the site plan (Figure 2). Drainage from the facility is generally surface flow rather than a network of catch basins and storm drain piping connected to a city storm sewer system. Drainage in the northern portion of the property is generally to a depression in the lawn area where infiltration can occur. Roof drain water from the facility is connected to drain into a drywell located near the northwestern corner of the facility. Drainage in the southern portion of the property is generally to grassy low elevation areas at the Yakima Air Terminal – McAllister Field property to the south. Approximate drainage directions are shown on Figure 2.

The nearest surface water to the GE Aviation Yakima property is Wide Hollow Creek, located within approximately 100 yards of the property, and is located just north of West Washington Avenue. Wide Hollow Creek drains east and connects to the Yakima River at a distance of approximately 5 miles.

2.4 SPILL HISTORY

No reportable surface spills of oil have occurred at the Yakima facility in the past 9 years. There was a spill of about 13 gal of Skydrol (non-flammable aviation hydraulic fluid) through a window panel in the spring of 1998. The material was immediately removed from the soil surface and all stained soil removed. The Yakima County Emergency Response Authority was notified, and provided consultation with respect to the proper cleanup and disposal. Due to the limited amount spilled and ultimate disposition of spill residue, and based on discussion with the Washington State Department of Ecology, no further action was required.

2.5 POTENTIAL SPILL PREDICTIONS, VOLUMES, RATES, AND CONTROL [112.7(B)]

112.7 (b) Where experience indicates a reasonable potential for equipment failure (such as loading or unloading equipment, tank overflow, rupture, or leakage, or any other equipment known to be a source of a discharge), include in your plan a prediction of the direction, rate of flow, and total quantity of oil which could be discharged from the facility as a result of each type of major equipment failure.

The likelihood of leakage or other type of oil spill at the facility is listed in Table 1, as is a prediction of the rate of quantity, rate of flow, direction of flow, or containment. Similar descriptions for chemicals are provided in Table 2. The hazardous wastes generated at the facility are listed in Table 3, but individual discussion of the potential for leaks from these waste containers is not provided because these wastes are all stored within the same specially designed waste storage area that provides full secondary containment. Calculations of secondary containment volumes for oil storage tanks are provided in Appendix B.

3.0 PREVENTION MEASURES PROVIDED

3.1 DRAINAGE CONTROL AND CONTAINMENT [112.7(C)]

112.7(c) Provide appropriate containment and/or diversionary structures or equipment to prevent a discharge as described in 112.1(b). The entire containment system, including walls and floor, must be capable of containing oil and must be constructed so that any discharge from a primary containment system such as a tank or pipe, will not escape the containment system before cleanup occurs. At a minimum, you must use one of the following prevention systems or its equivalent:

(1) For onshore facilities:

(i) Dikes, berms, or retaining walls sufficiently impervious to contain spilled oil;
(ii) Curbing;
(iii) Culverting, gutters or other drainage systems;
(iv) Weirs, booms or other barriers;
(v) Spill diversion ponds;
(vi) Retention ponds;
(vii) Sorbent materials.

Most of the oil use at the facility is within the building where oil spills would be contained by secondary containment structures or by the concrete floor and oil absorbent materials, which are available in spill response kits located throughout the facility. For example, the oil rack located inside the western wall of the facility (Figure 3) has a steel secondary containment pan beneath the oil storage containers, and there is a spill response kit located immediately adjacent to the south. In addition, there are no floor drains in either the main building or the ATS building that connect to the catch basin or to the sanitary sewer, so the risk of a spill anywhere inside the buildings making its way to a navigable waterway is virtually non-existent.

The oil drum storage area is located near the northwestern corner outside the building. This area does not have a roof, but this area does have a concrete floor, which drains to catch basins. The catch basins in this area in the recent past drained to a large containment sump where water was then pumped to the evaporator for onsite treatment. However, following the discovery of a leak from an underground galvanized pipe in November 2007, this stormwater/wastewater containment system and pumping system is being modified to no longer use the underground containment sump or underground transfer piping. Any stormwater runoff and spilled oil from the drum storage area will still be pumped to the evaporator located inside the building (Figure 3) for treatment. The covered waste metal recycle bins are also located outside in this contained drainage area, so any machine oils that may drip off of the metal scrap or that leak out of the metal recycle bin would also be contained in the sump and pumped to the evaporator for onsite treatment.

The hazardous waste storage area is also located outside of the building to the west (Figure 3). This area has a roof to prevent accumulation of rainwater or stormwater runoff. This waste storage area has a diked secondary containment structure that can contain more than the volume of the largest single container stored there.

The facility's truck loading dock is the only other area where oil products or chemicals are routinely handled outdoors. The loading dock is located near the southwestern corner of the building, as shown on Figure 3. This area is provided with concrete secondary containment curbs that provide spill containment, as described in Section 3.2.

[NOTE: REFER TO SECTION 4.0 FOR 40 CFR 112.7 parts (e-g)]

3.2 FACILITY TANKER TRUCK LOADING/UNLOADING OPERATIONS [112.7(H)]

3.2.1 LOADING/UNLOADING PROCEDURES

112.7(h) Facility tanker car and tanker truck loading/unloading rack. (1) Where loading/unloading area drainage does not flow into a catchment basin or treatment facility designed to handle discharges, use a quick drainage system for tanker car or tanker truck loading and unloading areas. You must design any containment system to hold at least the maximum capacity of any single compartment of a tanker car or tanker truck loaded or unloaded at the facility.

There are no rail car or tanker truck loading/unloading racks at the GE Aviation facility. However, there are transfers of oil product drums into the facility and transfers of waste oil drums out of the facility from delivery trucks, and those drum transfers occur at the facility's loading dock. The loading dock drops down to below the building floor elevation and has concrete walls on three sides with an asphalt paved and sloped ramp entering from the western side (see Figure 3). The base of this loading dock has a catch basin with a drain pipe sealed with concrete. Therefore, any oil or chemical spill from a drum during transfer at the loading dock area would be contained within the loading dock.

Oil drips or minor spills in this area can be cleaned up using oil absorbent pads or granular absorbent. If a larger volume liquid spill were to occur in this area, it could be vacuumed out using the onsite mobile tank and transfer pump (often referred to at the facility as "Elmo"). If a spill should occur in this area at the same time that a large volume of stormwater has collected in this area, then a spill response contractor may need to be contacted to collect and remove the oil water and take it to an appropriate offsite treatment facility.

3.2.2 WARNING OR BARRIER SYSTEM FOR VEHICLES

112.7(h)(2) Provide an interlocked warning light or physical barrier system, warning signs, wheel chocks, or vehicle break interlock system in loading/unloading areas to prevent vehicles from departing before complete disconnection of flexible or fixed oil transfer lines. (3) Prior to filling and departure of any tanker car or tanker truck, closely inspect all outlets of such vehicles, and if necessary, ensure that they are tightened, adjusted, or replaced to prevent liquid discharge while in transit.

There are no routine transfers of oil by hose from fuel trucks or other motorized vehicles at this facility that would require a warning or barrier system. There are transfers of oil drums to and from the facility from delivery trucks, and those drum transfers occur at the loading dock, as stated above. Drums

of waste oil or waste liquid chemicals are inspected by facility personnel prior to loading onto trucks to make sure they are sealed tight and to prevent liquid discharge while in transit.

3.2.3 FIELD-CONSTRUCTED CONTAINERS AND REPAIRS [112.7(i)]

112.7(i) If a field-constructed aboveground container undergoes a repair, alteration, reconstruction, or a change in service that might affect the risk of a discharge or failure due to brittle fracture or other catastrophe, or has discharged oil or failed due to brittle fracture failure or other catastrophe, evaluate the container for risk of discharge or failure due to brittle fracture or other catastrophe, and as necessary, take appropriate action.

There are no field-constructed containers in use at the GE Aviation facility. If an oil storage container is repaired or structurally modified in such a manner that it might increase the risk of discharge, then a leak test will be performed before returning the container to active service.
[*NOTE: REFER TO SECTION 4.4 FOR 40 CFR 112.7 (j)]*

3.3 DRAINAGE CONTROL [112.8(B)]

112.8(b)(1) Restrain drainage from diked storage areas by valves or other positive means to prevent a discharge into the drainage system or facility effluent treatment system, except where facility systems are designed to handle such discharge. You may empty diked areas by pumps or ejectors; however, you must manually activate these pumps or ejectors and must inspect the condition of the accumulation before starting to ensure no oil will be discharged. (2) Use valves of manual, open-and-closed design, for the drainage of diked areas. You may not use flapper-type drain valves to drain diked areas. If your facility drainage drains directly into a watercourse and not into an onsite wastewater treatment plant you must inspect and may drain uncontaminated retained stormwater, as provided in paragraphs (c)(3)(ii), (iii), and (iv) of this section.

As stated in Section 3.1, the oil drum storage area and the scrap metal recycle bins are located outside of the building near its northwestern corner. This area does not have a roof, and so this area collects rainwater. However, this area has a concrete floor, which drains to catch basins and to a large containment sump. Any stormwater runoff and spilled oil from the drum storage area is pumped to the evaporator located inside the building (Figure 3) for treatment. Therefore, there is no need for inspection of accumulated water or for manual opening of drain valves. In the event that the evaporator is not operating and the containment sump is getting full, there is an extra 550-gal portable tank located in this area into which the excess stormwater can be pumped and temporarily stored until the evaporator is again available to process wastewater.

The hazardous waste storage area has a roof to prevent accumulation of rainfall such that the secondary containment structure does not typically require drainage. If necessary, oil or oily water will be removed from the containment structure by pumping into 55-gal drums or by vacuuming out the containment structure using a vactor truck. Oil or oily water will be taken for proper treatment or recycling by a qualified waste transporter.

The facility's truck loading dock is an area where stormwater can accumulate. The base of the loading dock drops down to below the building floor elevation and has concrete walls on three sides with

an asphalt paved and sloped ramp entering from the western side (see Figure 3). The base of this loading dock has a catch basin with a drain pipe sealed with concrete. Therefore, stormwater is contained and accumulates within the loading dock. Stormwater runoff that accumulates in this area can be pumped out to drain to the parking lot area to the south only if it has been inspected first to ensure that it does not contain any sign of oil sheen, or if any oil sheen that did appear has been completely removed using oil absorbent pads.

The pump rooms in the southeastern portion of the building each have a 30-gal oil containment sump in the event of oil leakage from the pumping equipment (Figure 3). In addition, the floor of these rooms is constructed with a raised curb (approximately 4-inch high curb) to provide additional containment of leaking oil. The pump rooms are indoors and are protected from rainfall. Therefore, there are no valves or drains to drain this containment area, and any leaked oil would need to be pumped out and collected for recycling, as appropriate.

112.8(b)(3) Design facility drainage systems from undiked areas with a potential for discharge (such as where piping is located outside containment walls or where tanker truck discharges may occur outside the loading area) to flow into ponds, lagoons or catchment basins, designed to retain oil or return it to the facility. You must not locate catchment basins in areas subject to periodic flooding. (4) If facility drainage is not engineered as in paragraph (b)(3) of this section, equip the final discharge of all ditches inside the facility with a diversion system that would, in the event of an uncontrolled discharge, return the oil to the facility. (5) Where drainage waters are treated in more than one treatment unit and such treatment is continuous, and pump transfer is needed, provide two "lift" pumps and permanently install at least one of the pumps. Whatever techniques you use, you must engineer facility drainage systems to prevent a discharge as described in 112.1(b) in case there is an equipment failure or human error at the facility.

There are no outdoor undiked areas of oil use or storage. Therefore, there is no need at the facility for spill containment ponds, lagoons, or treatment facilities (other than the existing evaporator system that treats drainage from the drum storage area).

3.4 BULK STORAGE TANKS/SECONDARY CONTAINMENT [112.8(C)]

3.4.1 TANK COMPATIBILITY WITH ITS CONTENTS

112.8(c)(1) Not use a container for the storage of oil unless its material and construction are compatible with the material stored and conditions of storage such as pressure and temperature.

The GE Aviation facility uses only oil or chemical storage containers that are specifically selected to be compatible with its contents and storage conditions.

3.4.2 SECONDARY CONTAINMENT FOR STORAGE TANKS

112.8(c)(2) Construct all bulk storage container installations so that you provide a secondary means of containment for the entire contents of the largest single container and sufficient freeboard to allow for precipitation. You must ensure that diked areas are sufficiently impervious to contain spilled oil. Dikes, containment curbs, and pits are commonly employed for this

purpose. You may also use an alternative system consisting of a drainage trench enclosure that must be arranged so that any discharge will terminate and be safely confined in a facility catchment basin or holding pond.

The description of the secondary containment that is provided for bulk oil storage containers at the facility is provided in Section 3.1. Descriptions of the secondary containment provided at the facility for oil, chemical, and liquid waste containers are also provided in Tables 1, 2, and 3, respectively. Oil storage areas and secondary containment features are also identified on Figure 3.

3.4.3 DIKED AREA, INSPECTION, AND DRAINAGE OF RAINWATER

112.8(c)(3) Not allow drainage of uncontaminated rainwater from the diked area into a storm drain or discharge of an effluent into an open watercourse, lake, or pond, bypassing the facility treatment system unless you:

(i) Normally keep the bypass valve sealed closed.

(ii) Inspect the retained rainwater to ensure that its presence will not cause a discharge that causes a film or sheen on water surface, or sludge to be deposited beneath the surface.

(iii) Open the bypass valve and reseal it following drainage under responsible supervision; and

(iv) Keep adequate records of such events, for example, any records required under permits issued in accordance with 122.41(j)(2) and 122.41(m)(3) of this chapter.

The collection of rainwater within outdoor areas and the handling of this water are specifically discussed in Section 3.3.

3.4.4 CORROSION PROTECTION OF BURIED METALLIC STORAGE TANKS

112.8(c)(4) and 112.12(c)(4) Protect any completely buried metallic storage tank installed on or after January 10, 1974 from corrosion by coatings or cathodic protection compatible with local soil conditions. You must regularly leak test such completely buried metallic storage tanks. (5) Not use partially buried or bunkered metallic tanks for the storage of oil, unless you protect the buried section of the tank from corrosion. You must protect partially buried and bunkered tanks from corrosion by coatings or cathodic protection compatible with local soil conditions.

There are no buried or partially buried metallic oil storage tanks at the facility.

3.4.5 ABOVEGROUND TANK PERIODIC INTEGRITY TESTING

112.8(c)(6) Test each aboveground container for integrity on a regular schedule and whenever you make material repairs. The frequency of and type of testing must take into account container size and design (such as floating roof, skid-mounted, elevated, or partially buried). You must combine visual inspection with another testing technique such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing, or another system of non-destructive shell testing. You must keep comparison records and you must also inspect the container's supports and foundations. In addition, you must frequently inspect the outside of the container for signs of deterioration, discharges, or accumulation of oil inside diked areas. Records of inspections and tests kept under usual and customary business practices will suffice for purposes of this paragraph.

3.4.5.1 Inspections

Most of the oil storage and use at the facility is in new 55-gal drums. These drums are typically steel and they are not stored at the facility for extended periods of time. When the oil product is used (typically within a year of delivery to the site), then the empty drum is recycled. Therefore, performing integrity testing of oil drums at the facility is not necessary. However, the oil storage drums are

frequently observed by facility personnel during the normal course of business and any drums showing signs of being dented, rusted, or damaged in any other way are removed from service and placed within secondary containment if not already located within secondary containment. Formal inspections of the dangerous waste and oil storage containers are conducted weekly to examine their conditions. These inspections are documented using the Inspection Log, which is provided in Appendix C. The results of this inspection including any notable corrosion, dents, or leaks and the number of drums to be replaced, if any, are to be noted in the comments section on the inspection form. Any identified problems with the integrity of the oil or waste storage containers are to be immediately addressed and brought to the attention of management.

3.4.5.2 Testing

The GE Aviation Yakima facility follows applicable industry standards with regard to aboveground oil storage tank testing. Specifically, the facility follows the Steel Tank Institute's *Standard for the Inspection of Aboveground Tanks SP001, 4th Edition*, issued in July 2006 (Appendix D). As described in previous sections of this plan, there is little risk of an oil spill being able to migrate off site, let alone migrate to a source of navigable water. Therefore, visual inspection of oil storage containers for signs of chipped paint, rust, or dents with appropriate follow-up repair is generally considered to provide adequate preventive maintenance and testing. EPA provided updated guidance that integrity testing is not required for select tanks if equivalent environmental protection is provided, as presented in Chapter 7.3.3 and 7.3.4 of the EPA's *SPCC Guidance for Regional Inspectors, Version 1.1,* issued February 3, 2006.

- For Shop-Built Tanks Less than 30,000 Gallons – GE Aviation Yakima is deviating from the integrity testing provision of §112.8(c)(6) for shop-built tanks less than 30,000 gal, based on good engineering practice after considering the tank installations and alternative measures implemented by the facility. All tanks at GE Aviation Yakima fall under this category. All oil storage containers less than 30,000 gal are either: (1) elevated so that all sides are able to be visually inspected, or (2) located over a concrete floor, so that there is a barrier (e.g., concrete floor/pad) between the tank and the soil. Therefore, in accordance with Section 5 of STI Standard SP001, periodic AST inspections are to be performed, but formal external/ internal inspections or leak testing by a certified inspector are not required. Facility personnel perform periodic inspections, as described in Section 3.4.5.1 of this Plan. The personnel performing these inspections are knowledgeable of storage facility operations, characteristics of the liquid stored, the type of AST and its associated components. The tank's physical configuration, combined with periodic inspections, ensures that any small leak that could develop in the tank shell will be detected before it can become significant, escape secondary containment, and reach the environment.

There are no tanks greater than 30,000 gal at the GE Aviation Yakima facility.

3.4.6 CONTROL OF LEAKAGE THROUGH INTERNAL HEATING COILS

112.8(c)(7) Control leakage through defective internal heating coils by monitoring the steam return and exhaust lines for contamination from internal heating coils that discharge into an open watercourse, or pass the steam return or exhaust lines through a settling tank, skimmer, or other separation or retention system.

There are no oil tanks at the facility with internal heating coils.

3.4.7 TANK INSTALLATION FAIL-SAFE ENGINEERED

112.8(c)(8) Engineer or update each container installation in accordance with good engineering practices to avoid discharges. You must provide at least one of the following devices:

- *(i) High liquid level alarms with an audible or visual signal at a constantly manned operation or surveillance station. In smaller facilities an audible air vent may suffice.*
- *(ii) High liquid level pump cutoff devices set to stop flow at a predetermined container content level.*
- *(iii) Direct audible or code signal communication between the tank gauger and the pumping station.*
- *(iv) A fast response system for determining the liquid level of each bulk storage container such as digital computers, telepulse, or direct vision gauges. If you use this alternative, a person must be present to monitor gauges and the overall filling of bulk storage containers.*
- *(v) You must regularly test liquid level sensing devices to insure proper operation.*

Visual level gauges are available on the oil rack storage containers, which help to prevent their overfilling. The coolant oil transfer tank is equipped with a high-level pump shutoff switch.

3.4.8 OBSERVATION OF DISPOSAL FACILITIES FOR EFFLUENT DISCHARGE

112.8(c)(9) Observe effluent treatment facilities frequently enough to detect possible system upsets that could cause a discharge as described in section 112.1(b).

The stormwater collection sump, transfer tank, and evaporator system are informally inspected daily during the course of normal facility operations. Any identified problems with sump pumps, leaks, or shutdown of the evaporator are addressed promptly. The inside of the stormwater sump is inspected annually for leaks, cracks, or any evidence of material weaknesses.

3.4.9 VISIBLE OIL LEAK CORRECTIONS FROM TANK SEAMS AND GASKETS

112.8(c)(10) Promptly correct visible oil leaks which result in a loss of oil from the container, including but not limited to seams, gaskets, piping, pumps, valves, rivets, and bolts. You must promptly remove any accumulations of oil in diked areas.

Visible oil leaks are fixed immediately by onsite GE Aviation mechanics. Measures are taken to minimize and mitigate the leak while awaiting repair. Any spilled oil is cleaned up immediately by the operations personnel. Oil spill cleanup supplies, including oil absorbent pads and granular absorbent material, are located in spill response drums that are located throughout the facility.

3.4.10 APPROPRIATE LOCATION OF MOBILE OR PORTABLE OIL STORAGE TANKS

112.8(c)(11) Position or locate mobile or portable oil storage containers to prevent a discharge as described in 112.1(b). You must furnish a secondary means of containment, such as a dike or catchment basin, sufficient to contain the capacity of the largest single compartment or container with sufficient freeboard to contain precipitation.

The 55-gal drums used to store new or waste oil are stored only in locations where appropriate spill containment is provided, as discussed in preceding sections. Oil drums are stored either inside the building, in the drum storage area, or in the hazardous waste storage area.

3.5 TRANSFER OPERATIONS, PUMPING, AND FACILITY PROCESS [112.8(D)]

3.5.1 BURIED PIPING INSTALLATION PROTECTION AND EXAMINATION

112.8(d)(1) Provide buried piping that is installed or replaced on or after August 16, 2002, with a protective wrapping and coating. You must also cathodically protect such buried piping installations or otherwise satisfy the corrosion protection standards for piping in part 280 of this chapter or a State program approved under part 281 of this chapter. If a section of buried line is exposed for any reason, you must carefully inspect it for deterioration. If you find corrosion damage, you must undertake additional examination and corrective action as indicated by the magnitude of the damage.

There is no buried oil transfer piping at the GE Aviation facility.

3.5.2 NOT-IN-SERVICE AND STANDBY SERVICE TERMINAL CONNECTIONS

112.8(d)(2) Cap or blank-flange the terminal connection at the transfer point and mark as to origin when piping is not in service or is in standby service for an extended time.

There are no oil transfer pipeline terminal connections at the GE Aviation facility. However, oil transfer pumps and hoses are drained and/or capped when not in service.

3.5.3 PIPE SUPPORTS DESIGN

112.8(d)(3) Properly design pipe supports to minimize abrasion and corrosion and allow for expansion and contraction.

There is some aboveground wastewater piping associated with the drum storage area stormwater collection system and associated with the oil storage and dispensing rack. Pipe supports are provided and were designed to allow for a degree of expansion and contraction.

3.5.4 ABOVEGROUND VALVE AND PIPELINE EXAMINATION

112.8(d)(4) Regularly inspect all aboveground valves, pipelines, and appurtenances. During the inspection you must assess the general conditions of items, such as flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces. You must also conduct integrity and leak testing of buried piping at the time of installation, modification, construction, relocation, or replacement.

The aboveground oil transfer piping and valves at the facility are observed during the facility inspections. Any comments regarding their condition are recorded in the notes section of the Inspection Log (Appendix C).

3.5.5 ABOVEGROUND PIPING PROTECTION FROM VEHICULAR TRAFFIC

112.8(d)(5) Warn all vehicles entering the facility to be sure that no vehicle will endanger aboveground piping or other oil transfer operations.

There is no aboveground oil transfer piping at the facility that is accessible to vehicular traffic.

4.0 OTHER FACILITY PRACTICES AND POLICY

4.1 INSPECTIONS/RECORD KEEPING [112.7(E)]

112.7(e) Inspections, tests, and records. Conduct inspections and tests required by this part in accordance with written procedures that you or the certifying engineer develop for the facility. You must keep these written procedures and a record of the inspections and tests, signed by the appropriate supervisor or inspector, with the SPCC Plan for a period of three years. Records of inspections and tests kept under usual and customary business practices will suffice for purposes of this paragraph.

Formal inspections of the oil and hazardous waste storage and transfer areas are conducted weekly. These inspections are documented using the Inspection Log (Appendix C). These inspection logs are signed by the personnel performing the inspection or their supervisor.

Copies of employee SPCC training forms, inspection logs, and tank integrity testing records are retained for at least 5 years in the office of the Emergency Coordinator along with the main facility copy of the SPCC plan. Employee training records are also retained for at least 5 years in the Human Resources department.

4.2 TRAINING AND SPILL PREVENTION PROCEDURES [112.7(F)]

4.2.1 PERSONNEL TRAINING

112.7(f)(1) At a minimum, train your oil-handling personnel in the operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules and regulations; general facility operations; and, the contents of the facility SPCC Plan.

All new hires are required to have spill prevention training, which includes a discussion of the facility's SPCC Plan as part of the EMS / ISO 14001 training. All plant employees who handle oil and chemicals are also given annual SPCC Plan training as part of the EMS / ISO 14001 training as described above. The annual Incidental Spill Management Team training discusses the SPCC Plan, identifies the Incidental Spill Management Team members, and instructs the employees that it is their responsibility to notify any team member immediately when a spill occurs. The phone numbers of members of the Incidental Spill Response Team are posted at various telephone sites around the facility. Plant security personnel are advised and alerted to report any actual or potential spills.

Loading dock personnel are also given Resource Conservation and Recovery Act (RCRA) hazardous waste handling training twice per year. Personnel who handle trichloroethene (TCE) for the vapor degreaser are also required to be given annual training on the proper storage and use of TCE.

Signed attendance sheets are part of the meeting/training session's minutes. Signed training documentation forms (Appendix E) are maintained for at least 5 years in the Human Resources department. Minutes of the Spill Response Team meetings/training sessions and copies of the signed

training documentation forms are also kept in the Emergency Response Coordinator's files with their copy of the SPCC Plan.

4.2.2 DESIGNATED PERSON ACCOUNTABLE FOR SPILL PREVENTION

112.7(f)(2) Designate a person at the facility who is accountable for discharge prevention and who reports to facility management.

Mr. Daryl Robins, the facility environmental manager, currently serves in the role of the primary Emergency Coordinator and is the designated person accountable for spill prevention at the GE Aviation facility.

4.2.3 SPILL PREVENTION BRIEFINGS

112.7(f)(3) Schedule and conduct discharge prevention briefings for your oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan for that facility. Such briefings must highlight and describe known discharges as described in 112.1(b) or failures, malfunctioning components, and any recently developed precautionary measures.

The Incidental Spill Response Team holds two meetings per year to discuss and review the procedures to contain and control any potential spill of oil or other hazardous material and to prevent their release into the environment. Each member of the Spill Response Team should review a portion of the plan and inspect a portion of the plant facility between each team meeting. The Spill Response Team should plan the specifics of what materials, techniques, and personnel would be necessary to deal with various spill emergencies. The provisions of this SPCC Plan are reviewed during the meetings to aid them in expeditiously coping with a spill emergency and to avoid needless delay in controlling a spill that may impact the environment.

4.3 SITE SECURITY [112.7(G)]

4.3.1 FACILITY FENCING

112.7(g)(1) Fully fence each facility handling, processing, or storing oil, and lock and/or guard entrance gates when the facility is not in production or is unattended.

The GE Aviation Yakima facility has controlled access buildings. GE Aviation employees are required to show their employee badge for access to the facility. Non-GE Aviation employees need to check in at the front desk and are accompanied by a GE Aviation employee at all times while at the facility. The areas directly involved in oil handling, processing, and storage that are located outside the building are surrounded by fencing. The gates to fenced areas are locked when not actively occupied. The facility doors and gates are locked during non-working hours. Oils and chemicals are not exposed to

the outside during non-working hours. These measures demonstrate equivalent environmental protection to full facility-fencing.

4.3.2 TANK DRAINAGE VALVES

112.7(g)(2) Ensure that the master flow and drain valves and any other valves permitting direct outward flow of the container's contents to the surface have adequate security measures so that they remain in the closed position when in non-operating or non-standby status.

There are no oil storage container drain valves at the GE Aviation facility that are located outside of secure areas accessible only to facility personnel.

4.3.3 PUMP STARTER CONTROLS

112.7(g)(3) Lock the starter control on each oil pump in the 'off' position and locate it at a site accessible only to authorized personnel when the pump is in a non-operating or non-standby status.

Starter controls for facility oil transfer pumps are located only within the secure GE Aviation building and are accessible only to authorized personnel.

4.3.4 PIPELINE LOADING/UNLOADING CONNECTIONS SECURELY CAPPED

112.7(g)(4) Securely cap or blank-flange the loading/unloading connections of oil pipelines or facility piping when not in service or when in standby service for an extended time. This security practice also applies to piping that is emptied of liquid content either by draining or by inert gas pressure.

Oil transfer hose or pipe connections that are out of service for an extended period are capped. All out of service oil transfer hoses are evacuated of their contents.

4.3.5 FACILITY LIGHTING

112.7(g)(5) Provide facility lighting commensurate with the type and location of the facility that will assist in the: (i) Discovery of discharges occurring during hours of darkness, both by operating personnel, if present, and by non-operating personnel (the general public, local police, etc.) and (ii) Prevention of discharges occurring through acts of vandalism.

Lights illuminate the property and are generally adequate to detect spills and deter vandalism during hours of darkness.

4.4 RELATED REGULATIONS, PERMITS, AND PLANS

112.7(j) In addition to the minimal prevention standards listed under this section, include in your Plan a complete discussion of conformance with the applicable requirements and other effective discharge prevention and containment procedures listed in this part or any applicable more stringent State rules, regulations, and guidelines.

In addition to satisfying the federal SPCC regulations in 40 CFR 112, this SPCC Plan has also been developed to satisfy the following federal, state, and local requirements:

1. Emergency Response Plan, 29 CFR 1920.120(q), required under the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) standard for facilities whose employees respond to releases of hazards materials.

2. Emergency Action Plan, 29 CFR 1910.38(a), required under OSHA for facilities that may potentially have an emergency situation.

3. Hazardous Waste Contingency Plan, 40 CFR 265.51, required under the Resource Conservation and Recovery Act (RCRA) for facilities that generate greater than 1,000 kilograms (2,200 lbs) of waste per month.

4. The discharge of wastewater to the Yakima City Publicly Owned Treatment Works (POTW) is regulated by National Pollutant Discharge Elimination System (NPDES) Permit # WA-002402-3, and users of this POTW must meet the listed parameter limits listed in the Yakima Sewer Use Ordinance and meet "Slug Loading Control" requirements of the Yakima Wastewater Control Division. Condition S.8.D.8. required the City to ensure that slug loads are to be prevented via sound planning and, should one occur, to report it immediately.

This plan will be updated to be in compliance with any other emergency/evacuation plans that are applicable to this facility.

4.5 SPILL CONTROL EQUIPMENT

At least seven site incidental spill response equipment kits are maintained at the facility. The locations of the spill kits are placed to be close to areas of potential leaks or spills. Each spill response contains:

1 ea. – 65-gal over-pack drum
10 ea. – 48-inch absorbent socks
6 ea. – 10-ft absorbent socks
6 ea. – Absorbent pillows
40 ea. – Absorbent pads
6 ea. – Disposal bags and ties
6 ea. – Tamper-proof labels
1 ea. – North American Emergency Response Guidebook
1 ea. – Instruction manual
2 ea. – Tyvek coveralls (WPL699 – without hood and boots)
2 ea. – Tyvek coveralls (WP L670 – with hood and boots)
2 ea. – Butyl rubber gloves
2 ea. – Eye protective goggles
10 ea. – Dust masks

Each spill kit can absorb approximately 40 gal of oil. The lid of each spill kit is affixed with a seal that will be broken in the event that the lid is opened. In that manner the spill kits can easily be examined to determine if the kit has been used and its contents may need to be restocked. Replacement of any items used to clean up a spill will be replaced immediately after use. A member of the Incidental Spill Response Team will verify a complete inventory once per quarter.

Other spill response equipment that is separate from the spill kits include brooms and shovels located in the drum storage area and metal scrap recycle area. The portable pump and storage tank ("Elmo") is also stored in this area and can be used to pump out spilled oil from sumps or secondary containment structures.

5.0 EMERGENCY CONTACTS AND PROCEDURES

Part 110-Discharge of Oil: 100. 10 Notice. Any person in charge of a vessel or of an onshore or offshore facility shall, as soon as he or she has knowledge of any discharge of oil from such vessel or facility in violation of § 1 10.6, immediately notify the National Response Center (NRC) (800) 424-8802. If direct reporting to the NRC is not practicable, reports may be made to the Coast Guard or EPA predesigned On-Scene Coordinator (OSC) for the geographic areas where the discharge occurs. All such reports shall be promptly relayed to the NRC. If it is not possible to notify the NRC or the predesigned OCS immediately, reports may be made immediately the nearest Coast Guard unit, provided that the person in charge of the vessel or onshore or offshore facility notifies the NRC as soon as possible. The reports shall be made in accordance with such procedures as the Security of Transportation may prescribe. The procedures for such notice are set forth in U.S. Coast Guard regulations, 33 CFR part 153 part 300, subpart E. (Approved by the Office of Management and Budget under the control number 2050-0046).

5.1 EMERGENCY CONTACTS

GE Aviation Personnel

In the event of a spill where notification to a regulatory agency is anticipated or assistance is required, contact at least one of the following immediately.

Name	Job Title	Role	Phone Extension	Cell or Pager	Home Phone
Daryl Robins	Environmental Manager	Primary Emergency Coordinator	(509) 248-5000 x261	(509) 728-1451	(509) 966-2807
Rob Case	Maintenance Manager	Secondary Emergency Coordinator	(509) 248-5000 x216	(509) 945-3645	(509) 965-5137

Regulatory Agencies

In the event of a spill of a Reportable Quantity (RQ) of oil, hazardous, or toxic substance that has passed beyond the boundary lines of our property, immediate notification of the following environmental agencies IS MANDATORY:

If chemical spill is released into the **Sanitary Sewer**, provide immediate verbal notification to:

City of Yakima - Wastewater Pretreatment Program
Arlene Carter, Pretreatment Coordinator (509) 575-6077

If an oil or chemical spill is released to the soil, drains offsite, or is released to the atmosphere above listed RQs, then contact the following:

a. National Spill Response Center for Oil and Hazardous Substances (EPA and Coast Guard) (800) 424-8802

b. State Department of Ecology (DOE), Emergency Response / Community Right to Know:
(1) Mr. John Ridgeway, Emergency Coordinator: (360) 407-6713 or (800) 633-7585, or
(2) Ms. Sadie Whitener, Emergency Coordinator: (360) 407-6729; or (800) 633-7586

c. Local Emergency Response Committee:

Yakima Valley Office of Emergency Management	(509) 574-1900.
d. Local Fire Department: Chief Denis Mayo	(509) 575-6060

Municipal Emergency Response Services (Yakima County)

General Emergency Operator for any of the services below:		911
Yakima Fire Department (primary)	401 North Front Street	(509) 248-2100
Primary Hospital	2811 Tieton Drive	(509) 575-8633
Secondary Hospital	206 South 11th Avenue	(509) 454-7783
Ambulance Services	1206 West Washington	(509) 574-8444
Emergency Response Services	128 North 2nd Street, Room B10	(509) 574-1900
Local State Police	2715 Rudkin Road	(509) 574-2320
Sheriff's Department	1822 South 1st Street	(509) 574-2500

Contractor Services (for outside assistance with spill containment, response, and disposal)

CHEMTREC (Emergency information on how to safely handle a chemical emergency)	(800) 424-9300
ENVIROTECH (for assistance in cleanup and/or disposal of oil or chemicals) 3601 121st Street SW, Lynnwood, Washington 98087	(206) 363-9000 or (425) 513-5848

In addition, for oil or chemical spills (slug loads) that are released into the sanitary sewer system a written notification will be required in addition to immediate verbal notification, as noted above. The written report of the slug load must be submitted within 5 days of the release and is provided to confirm the verbal notification, to provide more detail regarding the cause of the slug load, and to describe the actions taken to prevent its recurrence. Verify that the written time requirement has not been reduced when making the verbal report. The mailing address for the City of Yakima Wastewater Treatment Program is 2220 East Viola, Yakima, Washington 98901.

Fuel spill response procedures are provided in Appendix F. A form for a Spill Response Report is also provided in Appendix F and should be used to assist spill response personnel with collection and reporting of applicable information.

5.2 SPILL MANAGEMENT TEAM

The following personnel are authorized to commit resources and materials to contain an accidental spill of any material to keep it from polluting the environment. Special training may be required to clean up spill residues.

Name	Job Title	Role	Phone Extension	Cell or Pager	Home Phone
Daryl Robins	Environmental Manager	Primary Emergency Coordinator	(509) 248-5000 x261	(509) 728-1451	(509) 966-2807
Rob Case	Maintenance Manager	Secondary Emergency Coordinator	(509) 248-5000 x216	(509) 945-3645	(509) 965-5137
Tim Whittlesey	Maintenance Supervisor	Additional Secondary Coordinator	(509) 248-5000 x365	(509) 949-6417	

The following personnel are authorized to respond to incidental spills under the direction of persons listed above to contain and clean up an incidental accidental spill of any material to keep it from polluting the environment. Special training may be required to clean up spill residues.

Incidental Spill Response Team Members	GE Aviation Job Title	GE Aviation Phone Extension	Home Phone / Cell Phone
Darald Landsiedel	Facilities Maint.	216 (Case)	457-0436
Tim Whittlesey	Facilities Maint.	216 (Case)	965-3264 / 949-6417
Jarrod Brash	Assembly & Test.	220 (Cleary)	469-1413
Joshua Cook	Facilities Maint.	216 (Case)	469-9651 / 930-3325
Jon Libbey	Facilities Maint.	216 (Case)	961-7891
Rick Garcia	Facilities Maint. Elec	216 (Case)	457-8472
Brad Hall	Facilities Maint.	216 (Case)	961-6262
David Diaz	Facilities Maint.	216 (Case)	930-6973
Mike Hancock	Facilities Maint.	216 (Case)	

5.3 EMERGENCY SITUATIONS

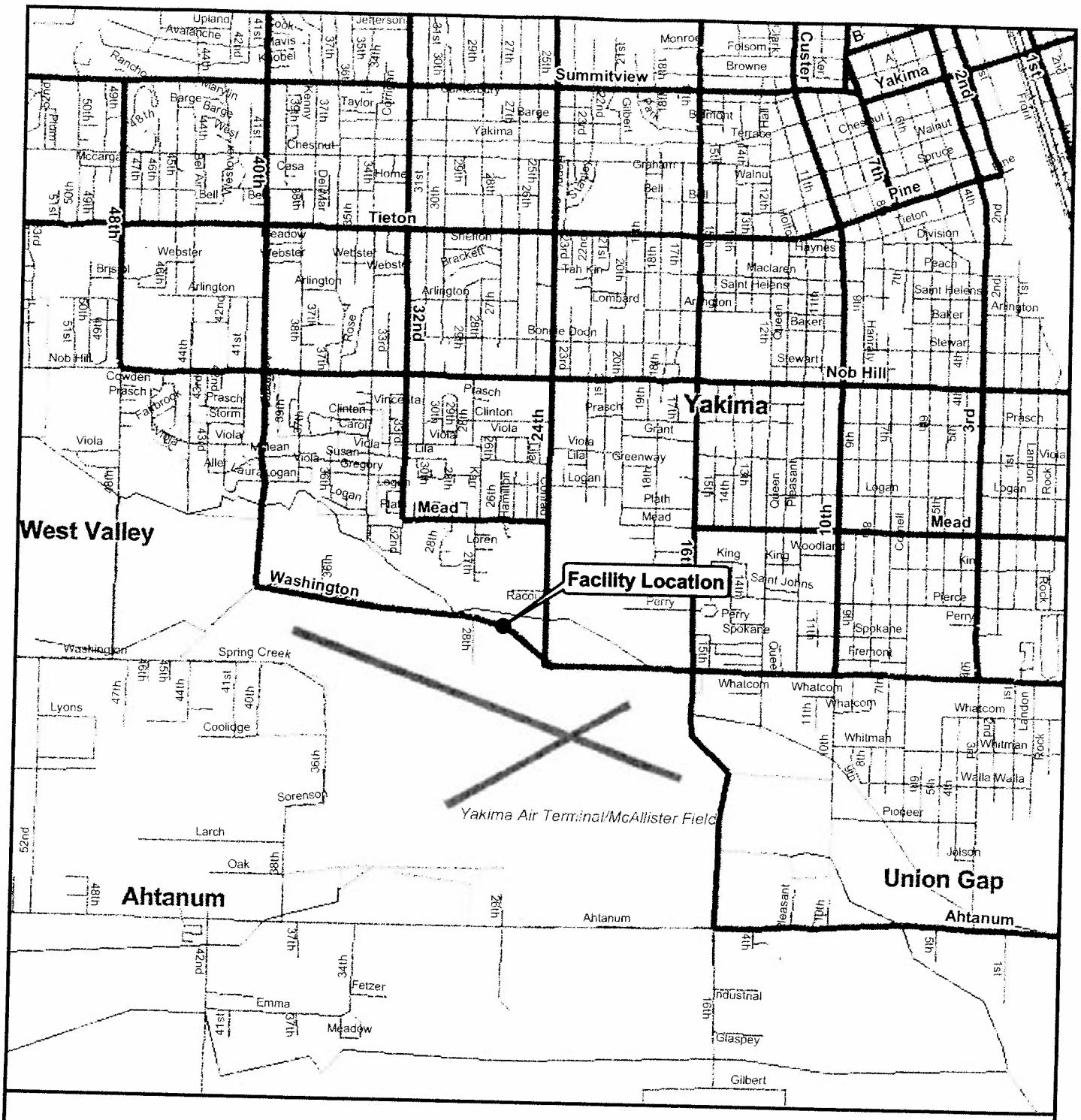
In the event of fire, explosion, or other situation that places plant personnel or the surrounding community in jeopardy, the Facility Emergency Response Plan, building evacuation plan, and the community right-to-know reporting requirements will be implemented as needed. Copies of material

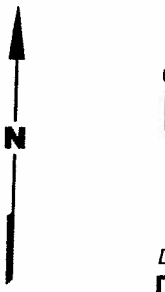
safety data sheets (MSDS) for all chemicals used at the facility can be accessed through the computer in the first aid station room.

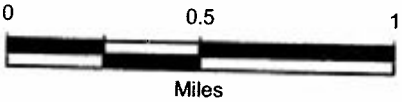
Outside emergency personnel, including the local fire department, are familiarized with this facility annually. As part of this familiarization, this SPCC Plan is reviewed. A major consideration is water used to extinguish a fire. All appropriate measures must be taken to retain such water on site. If that is not possible, it should be directed to a form of containment. If a spill flows off GE Aviation property or appears likely not to be contained, the Spill Response Management Team should immediately initiate notification procedures. Such runoff may cause a reportable spill or permit excursion. Copies of this plan, MSDSs, and other emergency plans are kept at the Emergency Coordinator's office.

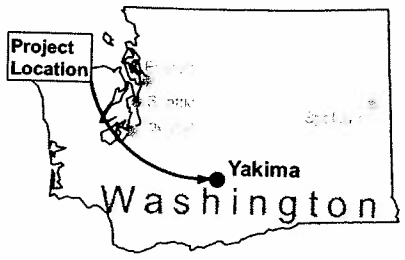
Located on the bulletin board is a list of community contacts including: the site emergency coordinators, fire department, local sanitary wastewater treatment works, ambulance, and police, which should be notified if a situation has caused injury to any person or threatens the local community. The facility emergency coordinator or his designated appointee will decide who will be contacted.

Plant personnel will not attempt to extinguish fires or handle hazardous materials either routinely or during a spill cleanup unless the correct safety equipment (fire extinguishers, goggles, breathing apparatus, gloves, etc.) is on hand and the necessary training programs have been attended.









Data Source: ESRI 2006

Y:\Projects\1039001\MapDocs\Fig1.mxd 4/29/2008

LANDAU ASSOCIATES

GE Aviation Facility Yakima, Washington	**Vicinity Map**	Figure **1**

N

Legend

Approximate Stormwater Flow Direction

Low Elevation Lawn Area with Expected Infiltration

NEW C.O.Y. WATER LINE CONNECTING INTO EXISTING 12" @ 28th AVE & WASHINGTON EXTENDING TO 24th AVE & CONNECTING TO EXISTING, DOWTY AEROSPACE - YAKIMA TO PAY FOR 8"

SEC.506
(B) UNLIMITED AREA. THE AREA OF ANY ONE-OR TWO-STORY BUILDING OF GROUP B SHALL NOT BE LIMITED, IF THE BUILDING IS PROVIDED WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM THROUGHOUT, AS SPECIFIED IN CHAPTER 38, AND ENTIRELY SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET IN WIDTH.

EXISTING PARKING

ACCESSIBLE BUILDING ENTRANCE

EXISTING ELEVATOR

MAIN BUILDING

ATS BUILDING

ASPHALT PAVING
2" ASPHALTIC CONC. OVER
4" BASE COURSE over
12" SUB-BASE COURSE

Drainage to Airport Property

NORTH

SITE PLAN - NEW ADDITION

Adapted from: Smiths Aerospace 2007

0 100 200

Scale in Feet

SPCC PLAN | V:\1039\001\011\Fig2_3.dwg (A) "Figure 2" 4/29/2008

LANDAU ASSOCIATES

GE Aviation Facility Yakima, Washington	**Site Plan**	Figure **2**

Legend

Approximate Stormwater Flow Direction

Storm Drain Catch Basin

(A) Oil Storage Location (See Table 1 of SPCC Plan)

N

Lobby

Nitrogen Tank

Oil Drum Storage Racks

(H) Metals Recycle Bin Area

Stormwater / Wastewater Collection Sump

Wastewater Transfer Tank

Solvent Cabinet

Oil Storage Rack with Secondary Containment

(G) Coolant Oil Tank and Transfer Pump

Spill Kit

Hazardous Waste Storage Area

550-Gal Wastewater Temporary Overflow Tank

Cooling Oil Reservoirs (D) (E) (F)

(C)

30-Gal Containment Sump

1,000-Gal Wastewater Process Tank

200-Gal Wastewater Settling Tank

350-Gal Wastewater Evaporator

Wastewater Transfer Tank

Loading Dock

Catch Basin Drain is Plugged to Provide Containment within Loading Dock Area

Pump Houses Each with Curbed Secondary Containment Floors and 30-Gal Oil Containment Sumps

(A) (B)

SPCC PLAN | V:\1039\0010\11\Fig2_3.dwg (A) "Figure 3" 4/29/2008

Adapted from: Smiths Aerospace 2007

0 30 60

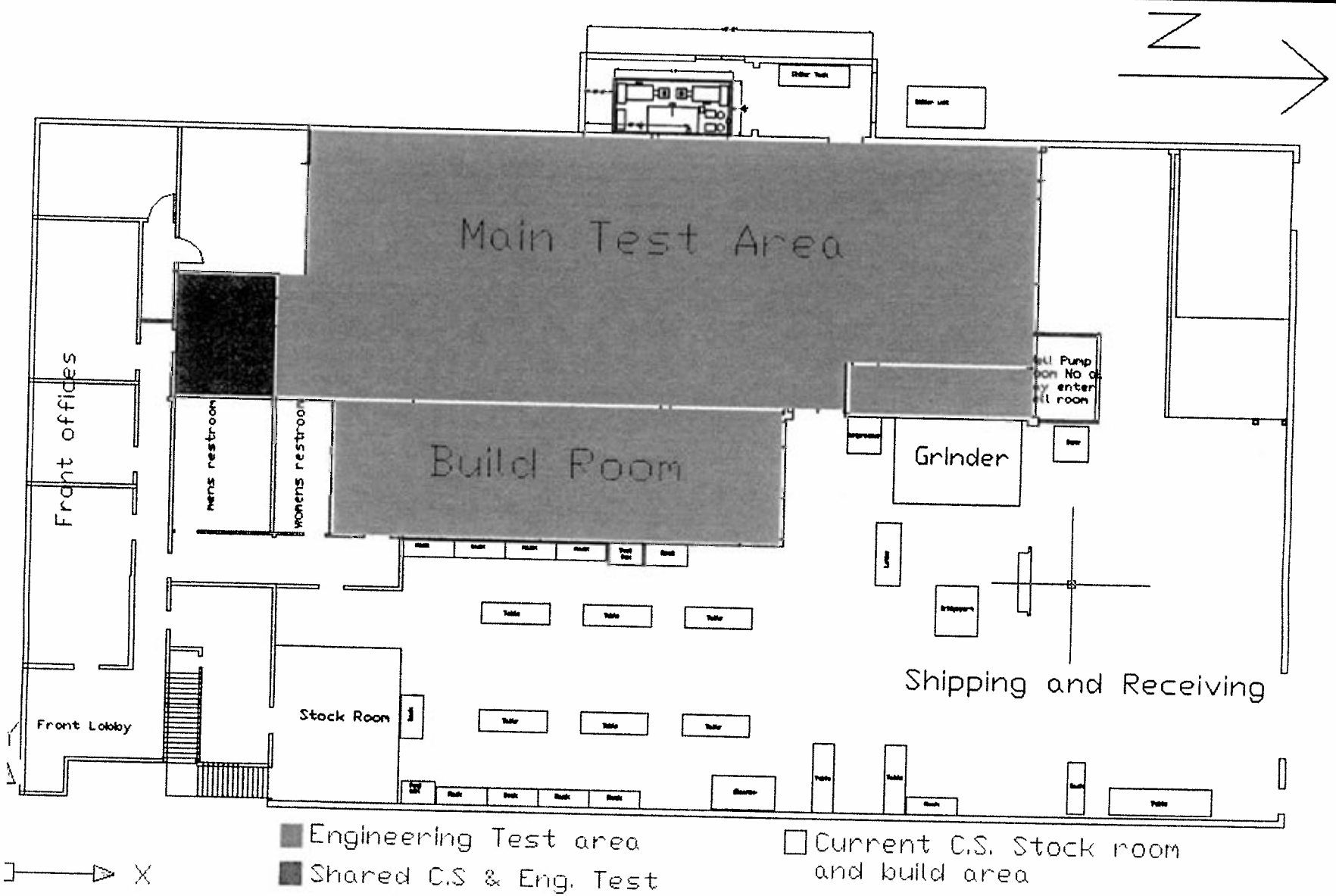
Scale in Feet

LANDAU ASSOCIATES

GE Aviation Facility
Yakima, Washington

Main Building Plan

Figure 3



LANDAU ASSOCIATES

GE Aviation Facility
Yakima, Washington

ATS Building Plan

Figure
4

TABLE 1
INVENTORY OF PETROLEUM-BASED OILS
GE AVIATION FACILITY - YAKIMA, WASHINGTON

Source		Location	Volume Stored, gallons	Tank Type	Indoor or Outdoor	CONTROLS: Including Secondary Containment, Leak Detection, Level Alarms, Spill Response, Material, and Other Controls	Containment Adequate (Yes/No)	Potential Release Volume (b), gallons	Spill Spread Rate (c), gpm	Direction of Flow of Potential Release	Storm-water Outfall (d)	Recommended Controls and Action	Completion Date for Recommended Controls/ Action
Code (a)	Description												
A	Pump Room - Skydrol Hi-Jet IVA Plus 80-gallon No. 1 146-gallon No. 2 63-gallon No. 3 Four (4) 55-gallon barrels 98-gallons Eng. Test	Pump Room - Skydrol, southeast corner of main building	607	Steel	Indoor	Three (3) pumps and four (4) barrels stored inside pump room. The room itself acts as a concrete containment 36'x10'x4" = 898 gallons. Please note this is a conservative estimate for the berm height due to a curve along the edge of the floor. Actual containment is more than 898 gallons.	Yes	146	10	Contained within room.	NA	None	
B	Pump Room - Mil 52-gallon No.1 57-gallon No.2 Two (2) 55-gallon barrels 72-gallons Eng. Test	Pump Room - Mil, southeast corner of main building	184	Steel	Indoor	The room itself acts as a concrete containment 27'3"x10'x4" = 679-gallon containment. Please note this is a conservative estimate for the berm height due to a curve along the edge of the floor. Actual containment is more than 679 gallons.	Yes	72	5	Contained within room.	NA	None	
C	Eng. Test - Skydrol 58-gallon Hi-Jet IVA Plus	Engineering Test area, east side of building	58	Steel	Indoor	The engineering test room itself acts as containment. There are no drains or outlets to the environment.	Yes	58	4	Contained within room.	NA	None	
D	251 G Machine 700-gallon Mobil 762 Two (2) 55-gallon barrels	Machine: 251 G	810	Steel	Indoor	The machines and barrels are within the main operations area of the facility. This area is self-contained with a cement enclosed floor with no sewer drains or outlets to the environment. There are spill response kits available in the main operations area.	Yes	700	47	Contained within main operations area.	NA	None.	
E	252 G Maching 1,200-gallon Mobil 762 Two (2) 55-gallon barrels	Machine: 252 G	1,200	Steel	Indoor	The machines and barrels are within the main operations area of the facility. This area is self-contained with a cement enclosed floor with no sewer drains or outlets to the environment. There are spill response kits available in the main operations area.	Yes	1,200	80	Contained within main operations area.	NA	None	
F	254 G Machine 300-gallon Mobil 762 Two (2) 55-gallon barrels	Machine: 254 G	300	Steel	Indoor	The machines and barrels are within the main operations area of the facility. This area is self-contained with a cement enclosed floor with no sewer drains or outlets to the environment. There are spill response kits available in the main operations area.	Yes	300	20	Contained within main operations area.	NA	None.	
G	Oil Rack System Sixteen (16) 61-gallon oil containers	West side of Manufacturing area	976	Steel	Indoor	The oil rack system (4 containers high, 4 containers wide) has a drip pan measuring 9'X45.25"x4" = 85 gallons. The drip pan is in the manufacturing area, which serves as its own concrete containment.	Yes	61	4	Contained within drip pan and main operations area.	NA	None.	
H	Outside Oil Storage Up to ten (10) 55-gallon barrels of Skydrol, Mil oils, Machine oils, and Hydraulic Oils	North West Containment area	550	Steel	Outdoor	The North West Containment Area is constructed of a concrete floor surrounded by a concrete berm. A trench on the west side of the containment within the berm directs any liquids to an underground 1,000-gallon tank. The contents of this tank are pumped to the onsite evaporator based on the level controls within the tank. An additional aboveground tank is available for use if the volume of the underground tank is insufficient.	Yes	55	4	South west, towards the evaporator drain. Contained within the storage area.	NA	None	
I	ATS Building One (1) 300-gallon Skydrol tank within equipment	ATS Building, west of Main Building	300	Steel	Indoor	The equipment is inside a concrete containment area measuring 239"x105"x11.5" = 1,249 gallons. There are no drains and no openings to the outside.	Yes	300	20	Contained within concrete area.	NA	None	

Notes

(a) "Code" designation shown on Figure 3—SPCC Building Plan.

(b) "Potential Release Volume" estimated to be release of largest tank/container.

(c) "Spill Spread Rate" estimated based on worst-case scenario of 15 minutes release time of entire contents of the largest tank/container

(d) This facility has no stormwater discharge outfalls.

NA = Not Applicable.

TABLE 2
INVENTORY OF CHEMICALS OTHER THAN PETROLEUM-BASED OILS
GE AVIATION FACILITY – YAKIMA, WASHINGTON

	Water-Based Coolants	Solvent-Based Paints	ISOPAR	Evaporator (Water, Oil, Others)	TCE
Containment and Controls	Absorbent pads for containment. Mop around machines of any spilled or leaking coolant, which is to be removed and placed into the evaporator.	Flame-proof storage cabinets. Absorbent pads for containment. Dispose of any waste into paint waste collection container.	Absorbent pads for containment. Mop around machines of any spilled or leaking coolant, which is to be removed and placed into the evaporator.	Absorbent pads for containment. Mop around machines of any spilled or leaking coolant, which is to be removed and placed back into the evaporator, or backup empty drums if evaporator not intact.	Pooled in process area (incidental spill equipment); secondary containment in storage area.

TABLE 3
INVENTORY OF HAZARDOUS WASTE
GE AVIATION FACILITY – YAKIMA, WASHINGTON

Waste Description	Profile Number / Disposal
Paint Waste (liquid)	**Paint-02** Pollution Control Inc. – Alternative Fuels
Isopar Solvent	**Isopar-02** Pollution Control Inc. – Alternative Fuels
Rags & Wipes contaminated with Acetone	**Wipes-02** Pollution Control Inc. – Alternative Fuels
Paint Booth Filters	**Paintbooth-02** Chemcical Waste – Land Disposal
Solid Strip Media (sandblast grit)	**Solidstrip-02** Chemical Waste – Land Disposal
Spent Trichloroethylene	**Trichlor-02** Esco – Incineration
Evaporator Oil bottoms / mill oils	Evaporoil-02 Phillips Environmental – Oil Recycling
Deburring Dust and Sludge, Metal Grinding Sludge	**Deburgrind-02** Columbia Ridge – Land Fill
Rags, Wipes, Floor Absorbents, PPE with Used Oils	**Oildebris-02** Columbia Ridge – Land Fill
Used Oils; Skydrol, Delta, Mobil, Shell, Vactra, Honing	**Usedoil-02** Phillips Environmental – Oil Recycling
Used Penetrant Oils	**Penetrant-02** Phillips Environmental – Oil Recycling
Used Oil Filters	**Oilfilter-02** Spokane – Burn for Energy Recovery
Universal Waste – Fluorescent Lights	**Uwlightube-02** Ecolight North West – Recycling
Universal Waste – HID Bulbs	**Uwhidbulb-02** Ecolight North West – Recycling
Universal Waste – Lead Acid Batteries	**Uwleadbatt-02** Interstate Recycling – Recycle
Universal Waste – Nickel Hydride Batteries	**Uwnicklbatt-02** Interstate Recycle – Recycle
Universal Waste – Lithium Batteries	**Uwlithbatt-02** Interstate Recycling – Recycle
Universal Waste – Alkaline Batteries	**Uwalkbatt-02** Interstate Recycling – Recycle

Note:
Hazardous wastes are stored in certified 55-gal drums or bulk containers in the hazardous waste storage area in the southwest corner of the building. The drums and containers are all on secondary containment basins, which would capture any leak from the primary containers and a roof is present over this area to prevent contact with rainwater.

CERTIFICATION OF SUBSTANTIAL HARM CRITERIA CHECKLIST

FACILITY NAME: GE Aviation
FACILITY ADDRESS: 2720 West Washington Avenue
Yakima, Washington

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
   Yes No X

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest above ground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank areas?
   Yes No X

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the formula in Attachment C-111, Appendix C, 40 CFR 112 or comparable formula') such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and vessel Response Environments" (Section 10, Appendix E, 40 CFR 112 for availability) and the applicable Area Contingency Plan.
   Yes No X

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?
   Yes No X

5. Does the facility have a total oil storage capacity greater or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons with in the last 5 years?
   Yes No X

CERTIFICATION

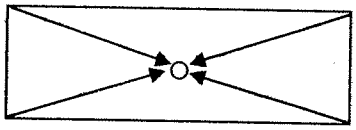
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Manager Environmental Affairs: _____ Date: _____

Per SPCC regulations, all oil storage tanks are required to have secondary containment. This containment can come from double walled tanks or concrete dikes. Double walled tanks are intrinsically contained and require no further investigation. However, concrete dikes have to be sized to hold the volume of the largest tank in the containment area and an adequate rain event volume. EPA regulations recommend using a 25-year, 24-hour rain event, but 110% containment volume has generally been the the rule-of-thumb. For these calculations, the 25-year, 24-hour rain event was used. Since this is more conservative then the 110% calculation, meeting the rain event standard greatly reduces the risk of a spill reaching navigable waters of the U.S.

Rainfall data used for this analysis is from "Technical Paper No. 40, Rainfall Frequency Atlas of the United States for Durations from 30 Minutes to 24 Hours and Return Periods from 1 to 100 Years", Engineering Division, Soil Conservation Service, U.S. Department of Agriculture, 1961.

Pump Room - Skydrol



SPCC Location ID: A
GE Tank ID: No. 1, No. 2, No. 3, four (4) 55-gallon barrels, 98-gallon Eng. Test

Shape of Containment: Rectangular, indoors

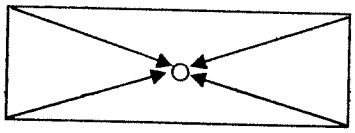
Length of Containment:	432	inches	Largest Tank Volume:	146	gallons
Width of Containment:	120	inches			
Height of Curb:	4	inches			

Calculations:

Total Containment Volume: 898 gallons 615% $Volume_T = L \times W \times D / (231\ in^3/gal)$

The containment *is* adequate for the Largest Tank Volume:
Please note the floor slopes from all four containment curbs to the sump. The curb height used in the calculation is the minimum height. Therefore, this is a conservative estimate of the Total Containment Volume due to additional storage volume in the sloped and sump areas of the containment. The actual containment volume is greater than 898 gallons.

Pump Room - Mil



SPCC Location ID: B
GE Tank ID: No. 1, No. 2, two (2) 55-gallon barrels, 72-gallon Eng. Test

Shape of Containment: Rectangular, indoors

Length of Containment: 327 inches
Width of Containment: 120 inches
Height of Curb: 4 inches

Largest Tank Volume: 72 gallons

Calculations:
Total Containment Volume: 679 gallons 944% $Volume_T = L \times W \times D / (231\ in^3/gal)$

The containment *is* adequate for the Largest Tank Volume:
Please note the floor slopes from all four containment curbs to the sump. The curb height used in the calculation is the minimum height. Therefore, this is a conservative estimate of the Total Containment Volume due to additional storage volume in the sloped and sump areas of the containment. The actual containment volume is greater than 679 gallons.

Oil Rack System

SPCC Location ID: G
GE Tank ID: Sixteen (16) 61-gallon tanks

Shape of Containment: Rectangular, indoors

Length of Containment: 108 inches
Width of Containment: 45.25 inches
Height of Curb: 4 inches

Largest Tank Volume: 61 gallons

Calculations:
Total Containment Volume: 85 gallons 139% $Volume_T = L \times W \times D / (231\ in^3/gal)$

The containment *is* adequate for the Largest Tank Volume:

Project	GE Aviation Yakima Washington	Acct. No.		Page	3 of 3
Subject	Secondary Containment Calculations	Comptd. By	Sam Bugg, EQ	Date	11/19/2007
Detail	SPCC and Water Site Media Review	Ck'd By	Ken Hardesty, EQ	Date	11/27/2007

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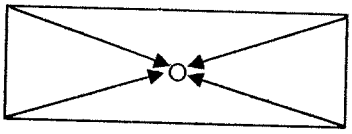
ATS Building



SPCC Location ID: I
GE Tank ID: Skydrol equipment reservoir

Shape of Containment: Rectangular, indoors

Length of Containment:	239	inches	Largest Tank Volume:	300	gallons
Width of Containment:	105	inches			
Height of Curb:	12	inches			

Calculations:

Total Containment Volume: 1,249 gallons 416% $Volume_T = L \times W \times D / (231\ in^3/gal)$

The containment *is* adequate for the Largest Tank Volume:

Please note the floor slopes from all four containment curbs to the sump. The curb height used in the calculation is the minimum height. Therefore, this is a conservative estimate of the Total Containment Volume due to additional storage volume in the sloped and sump areas of the containment. The actual containment volume is greater than 1,249 gallons.

Form 4.2
Issued: 04/01/1999
Revised: 05/16/2002

GE Aviation Yakima Facility – Hazardous Waste (and Hazardous Liquid Raw Material) Inspection Log

Area Inspected: _____

WEEKLY INSPECTION

ITEMS ARE TO BE INSPECTED WEEKLY BY ASSIGNED PERSONNEL	Week 1 Date _____	Week 2 Date _____	Week 3 Date _____	Week 4 Date _____	Week 5 Date _____
IDENTIFICATION					
Container Number(s)					
Shipping Containers-DOT Approved					
Label(s) Attached					
Label(s) Correct					
Area Hazardous Waste Signage Up					
AREA CONDITIONS					
Adequate Illumination of Area					
Adequate Ventilation of Area					
Hazardous Waste Area Secured to Prevent Unauthorized Entry					
Adequate Aisle Space between Containers for Inspection					
No Spillage/Chemical House-keeping Problems Observed					
Incompatible Chemical Containers Separated					
Access to Area for Emergency Response Equipment Entry					
CONTAINER CONDITION					
Containers - No Leaks					
Containers - No Deterioration					
Containers - No Corrosion					
Containers Isolated from Stormwater					
Handling of Containers Observed in a Manner not to Cause Leakage					
Container Kept from Extreme Environmental Conditions					
If Containers Stacked, Structurally OK					
Containers "Closed" when not filling					
COMPATIBILITY					
Material Compatible w/container or the Container Liner					
Separated Containers from Containers with Other Incompatible Chemicals					
SPILL RESPONSE ITEMS					

Spill response Equipment Nearby					
Spill Equipment Sufficient					
Emergency Communication (e.g., telephone, etc.) Equipment in Area					
Secondary Containment Adequate; Impermeable Floor; Adequate Volume; No Potential Breaches					
IGNITABLE / FLAMMABLE					
Flammable Hazardous Wasres >50' from Property Line					
Fire Extinguishers in Area					
ADDITIONAL SATELLITE ACCUMULATION AREA ITEMS					
Satellite Area Clearly Marked					
Area in "Control of Operator"					
Spill response Equipment Nearby					
No More than 55 gallons in "Area"					
To 90 Day "Storage" w/in 72 hrs after 55 gallons accumulated					
Fill Start Date Added When Removed to "Storage" from Accumulation Area					
Adequate Labeling of Container					
Chemical Accumulation Area Accessible, but away from Traffic					

Print Name	Signature	Date

Recommendation(s)

STANDARD FOR THE INSPECTION OF ABOVEGROUND STORAGE TANKS

SP001
ISSUED JULY 2006
4th EDITION

Steel Tank Institute
A Division of STI/SPFA
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Lake Zurich, IL 60047
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PREFACE

The Steel Tank Institute (STI), formed in 1916, is a not-for-profit organization whose purpose is to secure co-operative action in advancing by all lawful means the common purposes of its members and to promote activities designed to enable the industry to conduct itself with the greatest economy and efficiency. It is further the purpose of STI to cooperate with other industries, organizations and government bodies in the development of reliable standards which advance industry manufacturing techniques to solve market-related problems.

This Standard was developed by the Steel Tank Institute AST Inspection Standard Committee comprised of the following members and alternates:

Chuck Travelstead, Chair
Brown-Minneapolis Tank
Innovative Tank Solutions
Albuquerque, NM

Bill Herdman, Co-Chair
Kennedy Tank & Manufacturing Co.
Indianapolis, IN

John Albert
Missouri Department of Agriculture
Weights and Measures Division
Jefferson City, MO

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Staff Liaison, Steel Tank Institute
Lake Zurich, IL

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1.0 GENERAL

1.1 This standard provides inspection and evaluation criteria required to determine the suitability for continued service of aboveground storage tanks until the next scheduled inspection. The purpose of conducting inspections is to identify the condition of and changes to the AST.

1.2 This Standard is intended for use by organizations and/or individuals who are knowledgeable and experienced in aboveground tank inspection. Note that the requirements included in this standard are minimum requirements and these other documents may have requirements that are more stringent. When applicable federal, state and local laws, and regulations concerning tank inspection are more stringent than the requirements of this standard, then these laws and regulations shall apply.

1.3 **OTHER STANDARDS**

1.3.1 Only aboveground tanks included in the scope of this standard are applicable for inspection per this standard.

1.3.2 Other standards, recommended practices and other equivalent engineering and best practices exist that provide alternative inspection requirements for tanks defined within the scope of this standard and for tanks outside the scope of this standard. For example, see API Standard 653, *Tank Inspection, Repair, Alteration, and Reconstruction*, for additional information pertaining to tanks built to API Standard 650 and API Specification 12C tanks and API 12R1, *Recommended Practice for Setting, Maintenance, Inspection, Operation, and Repair of Tanks in Production Service*, for tanks employed in production service or other similar service.

1.4 **OWNER'S RESPONSIBILITY**

1.4.1 The owner is responsible for compliance with fire codes, local ordinances, and other applicable rules and regulations. The owner may want to retain assistance from specialists to aid in regulatory compliance, safe operations and installations in accordance with recognized industry standards.

1.4.2 The owner shall verify that persons working on ASTs understand and address the hazards associated with the contents of the ASTs as well as safe entry and procedures associated with those ASTs.

1.4.3 The owner's inspector is responsible for performing the periodic AST inspections and documenting the results in accordance with this standard.

1.4.4 The owner has the responsibility to address corrective actions identified in inspection reports.

1.5 **SCOPE**

1.5.1 This standard applies to the inspection of aboveground storage tanks. These storage tanks include shop-fabricated tanks, field-erected tanks and portable containers as defined in this standard, as well as the containment systems. The requirements for field-erected tanks are covered separately in Appendix B.

1.5.2 This standard applies to ASTs storing stable, flammable and combustible liquids at atmospheric pressure with a specific gravity less than approximately 1.0.

1.5.3 This standard applies to ASTs storing liquids with operating temperatures between ambient temperature and 200 degrees F (93.3°C).

1.6 At a minimum, the following tank components shall be inspected (as applicable):

- Primary tank
- Secondary tank
- Tank supports
- Tank anchors
- Tank foundation and external supports
- Tank gauges and alarms
- Insulation covering
- Tank appurtenances
- Normal vents
- Emergency vents
- Release Prevention Barriers
- Spill Control Systems

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2.0 DEFINITIONS

ABOVEGROUND STORAGE TANK (AST) – a tank or container designed to operate at pressures from atmospheric pressure through a gauge pressure of one psig measured at the top of the tank. The tank may be sitting on the ground, or set on supports, such as saddles, skids or legs, etc. and may be installed in a vault. Included are shop-fabricated tanks, field-erected tanks, and portable containers with a capacity of 55 U.S. gallons (208 liters) or greater.

CONTINUOUS RELEASE DETECTION METHOD (CRDM) – a means of detecting a release of liquid through inherent design. It is passive because it does not require sensors or power to operate. Liquid releases are visually detected by facility operators. The system shall be designed in accordance with good engineering practice. Several acceptable and commonly used CRDM systems are as follows:

- Release prevention barrier (RPB) described in definition of release prevention barrier.
- Secondary containment AST including double-wall AST or double-bottom AST
- Elevated AST with release prevention barrier described in definitions of elevated AST and release prevention barrier.

CORROSION RATE – the rate of degradation of materials due to chemical reactions with their environment. The rate of corrosion is established by the certified inspector as the maximum shell thickness loss divided by the operational service time.

CERTIFIED INSPECTOR – a tank inspector who meets the certification requirements identified in Section 4.2 of this standard.

DOUBLE-WALL AST – an AST with a primary tank contained within a secondary containment tank forming an interstitial (annular) space. An interstitial (annular) space between the two tanks is formed that is capable of being tested and monitored for leakage into the interstice

ELEVATED AST – an AST which is not in contact with the ground and which is raised above the surface of the ground or bottom of a vault using tanks supports. It allows for a visual external inspection of the bottom of the primary tank. Examples of elevated tanks are tanks constructed on grillage or grating, or tanks on supports.

FIELD-ERECTED AST – a welded carbon or stainless steel AST erected on-site where it will be used. For the purpose of this standard, ASTs meeting either of the following descriptions are to be inspected as field-erected ASTs:

a. An AST where the nameplate (or other identifying means such as accurate drawings) indicates that it is a field-erected AST. These are limited to a maximum shell height of 50 feet (15.24 meters) and a maximum diameter of 30 feet (9.14 meters).
b. An AST without a nameplate (or other identifying means such as accurate drawings) that is more than 50,000 U.S. gallons (189,271 liters) and a maximum shell height of 50 feet (15.24 meters) and a maximum diameter of 30 feet (9.14 meters).

FORMAL EXTERNAL INSPECTION (FEI) – a documented external inspection conducted by a certified inspector to assess the condition of the AST and determine its suitability for continued service without entry into the AST interior.

FORMAL INTERNAL INSPECTION (FII) - a documented internal inspection conducted by a certified inspector to assess the internal and external condition of the AST and determine its suitability for continued service. This includes the inspection requirements of a formal external inspection. A formal internal inspection satisfies the requirements of a formal external inspection and shall be considered equivalent to or better than a formal external inspection for the purposes of scheduling.

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INSPECTION PLAN – a written plan developed by the owner or a Professional Engineer that details the inspection requirements for a facility.

INTERSTICE – in a double-wall AST, the space between the primary tank and secondary tank. In a double-bottom AST, the space or void between the two bottoms. This space may be open or closed to the atmosphere and may be monitored or tested by vacuum or leak detection equipment or by visual inspection.

LEAK TESTING METHOD (LTM) – a point in time test method to determine if an AST is liquid tight. Leak testing is not preventive in the sense that it provides an indication only if the AST integrity has already been breached. Therefore, it may be used as a tank integrity measure or as a supplement to other inspection procedures. LTMs may include the following technologies:

- Gas pressure decay (includes vacuum decay)
- Gas pressure soap bubble testing
- Gas tracers (e.g., helium tracer)
- Soil tracers (chemical marker)
- Mass measurement
- Level measurement
- Hydrostatic test

LOCKOUT/TAGOUT – a procedure for affixing lockout or tagout devices to energy isolating equipment and for otherwise disabling machines or equipment to prevent unexpected energization, startup, or release of stored energy. Its intent is to prevent injury to employees, and to comply with the following OSHA (Occupational Safety & Health Administration) regulations or their equivalent:

- 29 CFR part 1910.147, *The Control of Hazardous Energy (Lockout/Tagout)*
- 29 CFR part 1910.331 to 1910.333, *Electrical Lockout/Tagout.*

MAGNETIC FLUX LEAKAGE (MFL) – a method used to nondestructively inspect ferromagnetic materials such as a carbon steel floor plate. A magnetic field is applied to steel to near saturation, so that it cannot hold any additional field. In the presence of a flaw (wall thinning), some of the magnetic flux escapes or "leaks" into the surrounding environment, where magnetic sensors detect it and quantitatively report a flaw signal. Once the flaw is detected and identified, an ultrasonic thickness scan (UTS) is required in the area to quantify the flaw. This method is commonly used on AST floors (MFL Floorscan) to determine the underside condition of the tank floor.

MANWAY – an AST opening designed to allow personnel entry into an AST.

MICROBIAL INFLUENCED / INDUCED CORROSION (MIC) – corrosion accelerated/caused by certain microbes. Depending on the type of bacteria, the degree of microbial activity, and the thickness and type of AST material, MIC is characterized by a high rate of corrosion. It sometimes penetrates tank walls and bottoms in two years or less. It is typically characterized by a ring-like pattern of cone or crater-shaped penetrations.

NONDESTRUCTIVE EXAMINATION (NDE) – the development and application of technical methods to examine materials and/or components in ways that do not impair future usefulness and serviceability in order to detect, locate, measure, interpret, and evaluate flaws.

OWNER - the legal entity having control and responsibility for the operation of the existing AST and storage facilities.

OWNER'S INSPECTOR – the owner or owner's designee responsible for conducting owner's periodic AST inspections.

PAINT FAILURE – significant peeling, cracking, spalling, blistering, pitting and chipping etc. of the paint or coating on an AST resulting in the exposure of the metal surface and corrosion of the tank shell.

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PERIODIC AST INSPECTION - a visual, documented inspection conducted by an owner's inspector, to assess the general AST conditions, as best as possible, without suspending AST operations or removing the AST from service.

PORTABLE CONTAINER - a closed AST having a liquid capacity equal to or greater than 55 U.S. gallons and not intended for fixed installation.

PRIMARY TANK – the tank in direct contact with the liquid stored.

PROFESSIONAL ENGINEER (PE) – a person who has fulfilled the education and/or experience requirements under state licensure laws and has received a license to practice engineering.

RELEASE PREVENTION BARRIER (RPB) – a liquid containment barrier that is sufficiently impervious to the liquid being stored and is installed under the AST. Its purpose is to divert leaks toward the perimeter of the AST where they can be easily detected as well as to prevent liquid from contaminating the environment. RPBs are composed of materials compatible with the liquid stored in the AST and meet proper engineering standards. Examples are steel (such as in steel double-bottom tanks), concrete, elastomeric liners, or other suitable materials provided the above criteria are met.

REMOTE IMPOUNDING - a spill control system that uses a sloped spillway to channel liquid releases away from an AST to a contained collection area that is remote from important facilities, adjoining property, or waterways. The containment area is sized for the capacity of the largest AST plus sufficient freeboard to allow for precipitation. For the purposes of this standard, remote impounding is equivalent to secondary containment. Remote impounding is further defined in NFPA 30.

SECONDARY CONTAINMENT SYSTEM - provides a secondary means of containment for the entire volumetric capacity of the largest single AST within a common dike/berm and sufficient freeboard to contain precipitation. The secondary containment system is to be designed to contain a spill until it can be discovered and cleaned up. It must be constructed to good engineering practices. (Note: See NFPA 30 and/or 40 CFR Part 112 and other local requirements for additional definitions.)

SECONDARY CONTAINMENT DIKE/BERM – a spill control system consisting of walls and a floor completely surrounding single/multiple ASTs. It provides a secondary means of containment for the entire capacity of the largest single AST and sufficient freeboard to contain precipitation and the displacement volume present below the dike wall of other ASTs in the containment area. The secondary containment dike/berm is to be constructed to good engineering practices.

SECONDARY CONTAINMENT AST – an AST with an integral secondary containment dike. These integral secondary containment dikes may be pans, boxes or containers and are designed to contain the contents of the primary tank if the primary tank fails. A secondary containment AST may be open or closed to the atmosphere. If precipitation cannot readily enter the integral secondary containment, then the containment need only be sized for the primary tank volume. If precipitation can enter the secondary containment, then the secondary containment is sized to contain the primary tank volume and with sufficient freeboard to contain precipitation.

SECONDARY TANK – the outer wall of a double-wall AST.

SHELL – for the purposes of this standard, the AST shell includes the roof, bottom, head or wall of the AST.

SHOP-FABRICATED – a welded carbon or stainless steel AST fabricated in a manufacturing facility or an AST not otherwise identified as field-erected with a volume less than or equal to 50,000 U.S. gallons (189,271 liters).

SINGLE-WALL AST – an AST with only one wall or shell.

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SPILL CONTROL - a means of preventing a release of liquid to the environment including adjoining property and waterways. Methods include the following:

- Remote impounding
- Secondary containment dike/berm
- Secondary containment AST
- Secondary containment system

SUFFICIENTLY IMPERVIOUS - Sufficient resistance to diffusion and transport of hydrocarbon or other chemical substances to prevent contamination of the environment until clean-up occurs. Determination of "sufficiently impervious" is a technical consideration that a Professional Engineer or other qualified professional (such as Professional Geologist, Environmental Professional, etc.) must make. This determination is to be based on sound technical considerations, the site specific conditions, as well as risk based considerations, such that ground and groundwater contamination is prevented, using current normally accepted engineering practices and principles. Sufficiently impervious does not necessarily mandate the use of a liner. Additional information about liners is found in API 341, *A Survey of Diked-area Liner Use at Aboveground Storage Tank Facilities.*

SUITABILITY FOR CONTINUED SERVICE – the determination that an AST's condition is adequate for continued use based on the criteria presented in this standard.

TANK IN CONTACT WITH THE GROUND – an AST that does not include a release prevention barrier and has some part of its primary tank shell in direct contact with the ground or soil. Therefore, direct inspection of all exterior surfaces of the AST cannot be conducted from the tank exterior.

TANK SUPPORTS – structures designed to elevate an AST above the ground. These include saddles, skids, beams, legs, and similar structures.

ULTRASONIC TESTING SCAN (UTS) – an ultrasonic scan to evaluate the corrosion on the opposite side of the inspection surface using an ultrasonic flaw detector. This inspection is to be performed by an NDT examiner certified in accordance with ASNT-TC-1A (or equivalent) per paragraph 4.3.2.

ULTRASONIC THICKNESS TESTING (UTT) – a point thickness reading taken by a competent person, per paragraph 4.3.3, utilizing a digital ultrasonic thickness meter.

3.0 SAFETY CONSIDERATIONS

3.1 The hazards associated with the cleaning, entry, inspection, testing, maintenance or other aspects of ASTs are significant. Safety considerations and controls should be established prior to undertaking physical activities associated with ASTs.

3.2 This standard does not address all applicable health and safety risks and precautions with respect to particular materials, conditions or procedures. Information concerning safety and health risks and precautions should be obtained from the applicable standards, regulations, suppliers of materials and material safety data sheets.

3.3 The following activities may be regulated and consideration to the relevant requirements and best management practices shall be included in an inspection:

- Breaking Lines, Isolating, and Release of Equipment
- General Work Permit
- Hot Work
- Lockout/Tagout
- Gas Testing
- Contractor Safety
- Respiratory Protection
- Tank Cleaning, Repair, and Dismantling
- Confined Space Entry

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3.4 Plans to enter an AST require development or use of appropriate safety procedures, precautions and requirements. The owner, the contractors and all persons associated with the AST inspection, cleaning or entry, shall review these prior to the start of work.

3.4.1 Before the inspection begins, check for the accumulation of harmful vapors around and in the AST. Refer to the following documents for additional information:

- NFPA 326, *Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning or Repair*
- API RP 2015, *Requirements for Safe Entry and Cleaning of Petroleum Storage Tanks*
- API RP 2016, *Guidelines and Procedures for Entering and Cleaning Petroleum Storage Tanks*

3.4.2 Each AST entry requires an Emergency Action Plan. The owner and contractor must develop the Plan together. This Plan describes the actions required for personal safety from fire and other emergencies. This plan includes the following requirements as well as others:

- SCBA (Self Contained Breathing Apparatus) and lifelines on site, as well as rescuers trained in their use.
- Establishment of and review of emergency escape routes and procedures with authorized entrants.
- Establishment of an assembly area and procedures to account for all authorized entrants after emergency evacuation is complete.
- Establishment of rescue and first-aid duties for those authorized entrants assigned to perform them.

3.4.3 After plans, procedures and administrative controls are in place and before entering the AST, isolate the AST by locking out and tagging all energy sources associated with the AST. Line isolation shall be at the closest flange practical to the equipment or space. Lockout/Tagout establishes a procedure for affixing lockout or tagout devices to energy-isolating equipment and for otherwise disabling machines or equipment to prevent unexpected energization, startup, or release of stored energy. Its intent is to prevent injury to employees, and to comply with the following OSHA regulations or their equivalent:

- 29 CFR part 1910.147, *The Control of Hazardous Energy (Lockout/Tagout)*
- 29 CFR part 1910.331 to 1910.333, *Electrical Lockout/Tagout*
- 29 CFR part 1910.146, *Permit-required Confined Spaces*

3.4.4 The atmosphere inside the space must be tested and confirmed safe before authorized entrants may enter without wearing supplied-air respiratory protection or SCBA. Continuous atmospheric monitoring is best. At a minimum, test the space for the following, and in the following order:

3.4.4.1 Oxygen

3.4.4.2 Flammable vapors

3.4.4.3 Toxics

3.5 Inspect the roof and support structures for soundness. Inspect stairs, ladders and platforms to determine that they can safely support equipment and people before accessing them. Corrosion may attack the deck plate at the edge of a fixed roof and at the rafters in the center of the roof first. Therefore, in addition to entry hazards, there are those associated with the access to AST roofs. For AST roofs where one side is not visible, it may be necessary to check the plate thickness with ultrasonic instrument or hammer test it to verify its adequacy. If there is a doubt, place planks on the roof that span structural members and walk on the planks instead of directly on the roof. These same hazards may also apply to other AST walking surfaces, such as the surfaces of floating roofs. Guidance for this is covered in API RP 2016, *Guidelines and Procedures for Entering and Cleaning Petroleum Storage Tanks*.

3.6 A safety analysis shall be conducted prior to a leak test. Some leak testing scenarios may be hazardous. For example, the leak test methods referenced in 9.1.1 requires that either an inert gas be used or that the tank be thoroughly cleaned and gas free prior to testing and pressurizing an AST. Combining hydrocarbons with air provides a potentially hazardous atmosphere. Each test method may have unique hazards and these shall be considered and addressed in a pre-test safety plan prior to testing activities. A qualified person shall review the safety plan.

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4.0 AST INSPECTOR QUALIFICATIONS

4.1 OWNER'S INSPECTOR QUALIFICATIONS

4.1.1 Periodic inspections are to be performed by an owner's inspector.

4.1.2 The personnel performing these inspections shall be knowledgeable of storage facility operations, the type of AST and its associated components, and characteristics of the liquid stored.

4.2 CERTIFIED INSPECTOR QUALIFICATIONS

4.2.1 Formal external and formal internal tank inspections are to be performed by a certified inspector.

4.2.2 A Certified inspector shall be certified by one or more of the following:

4.2.2.1 American Petroleum Institute (API) Standard 653 Authorized Inspector Certification with STI SP001 Adjunct Certification.

4.2.2.2 Steel Tank Institute (STI) Certified SP001 AST Tank System Inspector

4.2.2.3 Additional certifications as may be required by individual states or other governing bodies.

4.3 NDT EXAMINER QUALIFICATIONS

4.3.1 Non-destructive test (NDT) examiner - Personnel performing non-destructive examinations shall meet the qualifications described below, but need not be certified in accordance with paragraph 4.2. The results of NDE work, however, must be considered in the evaluation of the tank by the certified inspector.

4.3.2 Testing personnel referenced within this standard shall be qualified in accordance with their employer's written practice which must be in accordance with the American Society for Nondestructive Testing's (ASNT) document SNT-TC-1A, "Personnel Qualification and Certification in Nondestructive Testing" unless otherwise noted within this standard.

4.3.2.1 Referenced within this standard are the following nondestructive techniques. All inspectors performing the following inspection methods shall be certified per 4.3.2.

- MT – Magnetic Particle Testing
- RT – Radiographic Testing
- UT – Ultrasonic Testing
- MFL – Magnetic Flux Leakage
- PT – Penetrant Testing

4.3.3 Testing personnel performing ultrasonic thickness (UTT) point readings are required to have the minimum training described in this paragraph to operate a Digital Ultrasonic Thickness Meter. A Digital Ultrasonic Thickness Meter is an ultrasonic unit which is only used to obtain a point thickness reading displaying the resulting specimen thickness. This does not cover the use of ultrasonic flaw detectors. It does not cover the interpretation of an A, B or C scan unit readout.

4.3.3.1 Training - The operator of the digital ultrasonic thickness unit must be trained by a competent person in the operation, calibration and set-up of the unit. This should be a minimum of one hour and is usually performed by the manufacturer, or manufacturer's representative upon delivery of the unit. This training shall be documented and specifically state that the trainee has received at least one hour of training in the proper operation, calibration and set up of the unit. The unit type shall be noted on the documentation (manufacturer and model). The trainer shall sign his name to attest that the training has been completed and the trainee is now proficient in the use of that ultrasonic digital meter. At the time of training, the trainee shall have all of the tools and materials needed to carry out the proper function of the meter. These tools and materials are as follows:

- Step wedge of the right thickness range and material for the desired application.
- Ultrasonic couplant of the type that would be needed for the desired application.
- Ultrasonic transducer of the right type, frequency and diameter for the desired application.

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4.3.3.2 Testing personnel should be aware that there are many factors that affect the performance and accuracy of a digital thickness meter, such as listed below:

- Equipment calibration
- Surface roughness of test specimen
- Coupling technique
- Couplant
- Curvature of test piece
- Taper or eccentricity of the test specimen
- Acoustic properties of the material to be tested
- Temperature of the test specimen

4.3.3.3 Surface coatings can have a significant effect on the performance and accuracy of the thickness reading. It is recommended that the surface coating be removed in test areas. There are digital thickness meters specifically made for the inspection of metal through coatings and these can be used without removal of the coating.

5.0 INSPECTION SCHEDULE

5.1 The owner shall use the AST's type, size, and type of installation, corrosion rate and previous inspection history, if any, to develop a schedule of applicable types of inspections for each AST per Table 5.5.

5.2 Owners who have an inspection plan shall use this standard to establish the inspection criteria for ASTs described in this standard using the AST type, size, and previous inspection history, type of installation and corrosion rate.

5.3 Certified inspectors using this standard to conduct inspections, shall use the AST type, size, previous inspection history, type of installation, corrosion rate and the schedule determined by the owner, so long as the information is correct and in accordance with the requirements of this standard.

5.4 **AST CATEGORIES USED IN TABLE 5.5**

5.4.1 Category 1 - ASTs with spill control, and with CRDM

5.4.2 Category 2 - ASTs with spill control and without CRDM

5.4.3 Category 3 - ASTs without spill control and without CRDM

5.4.4 Table 5.4 shows some typical tank types and their corresponding AST category

TABLE 5.4 EXAMPLE TANK CONFIGURATION AND AST CATEGORY

TANK CONFIGURATION	TANK HAS CRDM?	AST CATEGORY
AST in contact with ground	no	2 or 3
Elevated tank with spill control and with no part of AST in contact with ground	yes	1
Vertical tank with RPB and spill control	yes	1
Vertical tank with double bottom and spill control	yes	1
Vertical tank with RPB under tank and spill control	yes	1
Double-wall AST	yes	1
AST with secondary containment dike/berm	yes	1

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5.5 **IN TABLE 5.5 USE THE FOLLOWING DESIGNATIONS:**

5.5.1 P – Periodic AST inspection
Refer to Section 6

5.5.2 E – Formal external inspection by certified inspector
Refer to Section 7

5.5.3 I – Formal internal inspection by certified inspector
Refer to Section 8

5.5.4 L – leak test by owner or owner's designee
Refer to Section 9

5.5.5 ( ) indicates maximum inspection interval in years. For example, E (5) indicates formal external inspection every 5 years.

TABLE 5.5 TABLE OF INSPECTION SCHEDULES

AST Type and Size (U.S. gallons)		Category 1	Category 2	Category 3
Shop-Fabricated ASTs	0 – 1100 (0-4164 liters)	P	P	P, E&L(10)
	1101 - 5,000 (4168-18,927 liters)	P	P, E&L(10)	[P, E&L(5), I(10)] or [P, L(2), E(5)]
	5,001 - 30,000 (18,931-113,562 liters)	P, E(20)	[P, E(10), I(20)] or [P, E(5), L(10)]	[P, E&L(5), I(10)] or [P, L(1), E(5)]
	30,001 - 50,000 (113,566-189,271 liters)	P, E(20)	P, E&L(5), I(15)	P, E&L(5), I(10)
Portable Containers		P	P	P**

** Owner shall either discontinue use of portable container for storage or have the portable container DOT (Department of Transportation) tested and recertified per the following schedule (refer to Section 9.0):
Plastic portable container - every 7 years
Steel portable container - every 12 years
Stainless Steel portable container - every 17 years

6.0 PERIODIC AST INSPECTIONS

6.1 Periodic AST inspections are to be conducted by owner's inspector. Checklists for periodic AST inspections are found in Appendix C of this standard. These are to be used as a guide for recording inspection data.

6.2 The owner's inspector must meet the requirements of paragraph 4.1.

6.3 Review prior inspection, repair and alteration data before each inspection. Note special conditions for a particular AST.

6.4 The owner's inspector is to complete the STI SP001 AST Record for each AST or tank site as designated in the checklists. Note special conditions and changes or alterations to the tank.

6.5 The owner's inspector is to complete the STI SP001 Monthly Inspection Checklist each month. Take note of instructions on the checklist. Note special conditions.

6.6 The owner's inspector is to complete the STI SP001 Annual Inspection Checklist each year. Take note of instructions on the checklist. Note special conditions.

6.7 For portable containers, the owner's inspector is to complete only the STI SP001 Portable Container Monthly Inspection Checklist each month. Take note of the instructions on the checklist. Note special conditions.

6.7.1 As an alternative, if documentation is kept on-site for each portable container that indicates how long each has been kept at the facility, then the owner's inspector is to complete only the STI

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SP001 Portable Container Monthly Inspection Checklist each month for containers on-site for 91 days or more. Take note of the instructions on the checklist. Note special conditions.

6.8 Additional requirements for field-erected tanks are included in Appendix B.

6.9 Refer to Section 10.0 for conditions that warrant immediate action.

6.10 By removing water or taking other corrective action on a regular basis, harmful MIC is prevented. Monitor for water accumulation monthly. If corrosion is found due to MIC, treat the AST with a proper biocide or otherwise sterilize the AST. In addition, take necessary steps to repair or remove the AST from service, if warranted by the extent of the corrosion (per Section 10.0).

7.0 FORMAL EXTERNAL INSPECTION GUIDELINES

7.1 GENERAL

7.1.1 Formal external inspections are to be performed by certified inspectors per paragraph 4.2.

7.1.2 These guidelines are minimum inspection requirements. There are numerous AST configurations and components and it is the responsibility of the certified inspector to identify and properly inspect them to conform to the owner's requirements and/or industry standards. The inspector or the inspection company shall develop detailed checklists that identify, record and document all aspects of each inspection.

7.1.3 Review prior formal and periodic inspections, repair and alteration data before each inspection.

7.1.4 Record AST nameplate data, if available, and check the information included for accuracy against actual conditions. Record AST data, inspection findings, and problems identified.

7.1.5 Inspect the fabrication of the AST against applicable industry standards.

7.1.6 Inspect the AST foundations for indications of settlement, cracking, exposed rebar, or general disrepair. Inspect for areas of wash-out and voids under the AST. Confirm that the ground is sloped away from the AST and that there is no soil resting against the side of the AST covering parts of the shell or bottom extension. Inspect for standing water against the AST or the indication of drainage problems.

7.1.7 Visually inspect the AST support condition. Severe cracking or spalling of concrete supports shall be noted and evaluated. If there are pad plates between the supports and the shell, inspect the condition. Inspect the supports to be sure that they are sitting securely on the foundation or grade. If the supports are welded to the shell, inspect the welds for visible signs of stress or deterioration.

7.1.8 Identify and record the type of and the condition of the secondary containment, spill control, and CRDM, if present.

7.1.8.1 Visually inspect the general condition of the containment area to be sure that it is in good condition and that there is not a breach in the containment structure. Note changes from the original design and installation information if available.

7.1.8.2 Inspect for foreign materials in the containment area. Inspect for liquid in the containment system and CRDM. If liquid is present, find the source and report findings. Record other ASTs or containers within the same containment area.

7.1.8.3 Make sure that the drain valves are operable and in good condition. Report penetrations through the secondary containment that may compromise the integrity of the containment area. Report penetrations that are likely to lead to failure of the secondary containment should the liquid level of water or liquid rise to these penetrations.

7.1.9 Inspect and verify the operability of ancillary equipment including the following items:

7.1.9.1 Piping and piping connections for visible signs of stress or leakage such as severe corrosion, rusted bolted connections, or other severe degradation.

7.1.9.2 Normal and emergency vents and pressure/vacuum devices. Verify that the devices are of adequate size and capacity, operable, and in good condition. Refer to the device manufacturer's literature, typical industry venting requirements, and other appropriate resources. Record the types and locations of these devices.

7.1.9.3 Primary tank level gauge and secondary tank interstitial gauge for free movement and the floats, guides and attachments are in working order. Check that the liquid level gauge length is sized correctly for the tank diameter. Inspect the alarms connected to the level gauge for operability and for a complete loop and circuit from the primary sensor to the final annunciation or alarm point.

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7.1.10 Inspect the bonding and grounding system of the AST, if present. (Refer to NFPA 780 *Standard for the Installation of Lightning Protection Systems.*)

7.1.11 Inspect stairways, handrails and platforms for broken welds, bent members, and corrosion.

7.1.12 Inspect the coating on the AST shell, heads, and supports for paint failure.

7.2 **DETERMINE THE ORIGINAL SHELL THICKNESS OF THE AST**. Suggested methods of determining this are as follows:

7.2.1 Review the original tank documentation, such as drawings and packing lists.

7.2.2 Consult the tank manufacturer.

7.2.3 Examine the tank labels for evidence of a widely accepted tank standard, such as Underwriters Laboratories Standard UL 142, etc. Consult the referenced standard to determine the minimum design shell thickness.

7.2.4 Measure the tank thickness of several areas of the tank that have no visible corrosion or pitting. The average of these measurements will result in a minimum shell thickness that can be used.

7.3 **HORIZONTAL AST**- Requirements in addition to the applicable items in 7.1

7.3.1 Inspect shell plates and welds for indications of exterior corrosion, buckling or distortion, as well as for cracking, pinholes or mechanical damage. Inspect the shell of the AST and the ancillary equipment for signs of distortion and stress.

7.3.1.1 Take and record UTT readings and the location of the reading of each plate or shell course in areas accessible without entering the AST. Readings must be concentrated in areas where corrosion is likely to occur. If significant internal corrosion is detected, further investigation using Ultrasonic Testing Scans (UTS) is required. If applicable, include areas marked from previous readings. Refer to Section 10.0.

7.3.2 Inspect shell attachments for changes made after the AST was fabricated. Refer to previous drawings or make new sketches that show all the appurtenances, attachments and nozzle locations on the AST shell and heads or roof. Record repads (reinforcing plates) and/or insert plates. Inspect attachment welds for signs of stress and corrosion.

7.4 **VERTICAL OR RECTANGULAR AST** - Requirements in addition to the applicable items in 7.1

7.4.1 Shell Surface – Refer to 7.3.1 and 7.3.2

7.4.2 Shell Attachments – Refer to 7.3.3

7.4.3 Vertical AST Roof - Inspect for low areas on the roof and standing water that may corrode the roof areas. Inspect for paint failure, holes and corrosion. Take UTT readings on the roof and record results. If possible, measure thicknesses in previously measured areas for corrosion rate determination. If significant corrosion is detected, further investigation using Ultrasonic Testing Scans (UTS) is required. Refer to Section 10.0

7.4.4 **DOUBLE WALL AND DOUBLE BOTTOM AST** - Requirements in addition to the applicable items in 7.1:

7.4.5 Verify that the leak detection equipment or method is operating if the tank is so equipped.

7.4.6 Check for a leak or the presence of liquid in the interstice.

7.4.7 Double-bottom ASTs require UTT readings of areas that are single-wall as described in paragraph 7.3.1.1 above. Double-wall ASTs do not require UTT readings.

7.5 **INSULATED AST** - Requirements in addition to the applicable items in 7.1 to 7.4

7.5.1 Remove the insulation in areas where mold or moisture is present or points where moisture is likely to accumulate and examine the metal surface for signs of signification corrosion. Consider the wicking effect of water in the insulation, particularly in the lower exterior portion of the tank shell.

7.5.2 If insulation damage is suspected, remove sections of the insulation to check for corrosion. Continue removing the insulation until the extent and nature of the corrosion has been established.

7.5.3 Take UTT readings of the shell and record results including, if applicable, areas marked from previous readings. If significant internal corrosion is detected, further investigation using Ultrasonic Testing Scans (UTS) is required. Refer to Section 10.0

7.6 Additional requirements for field-erected ASTs are included in Appendix B.

7.7 In the final report, include field data, measurements, pictures, drawings, tables and an inspection summary. In the summary, identify unacceptable conditions and recommended corrective actions. Determine the suitability for continued service of the AST per Section 10.0. Include the next

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scheduled formal external inspection or formal internal inspection, as applicable. Include the inspector's name and certification number in the report.

8.0 FORMAL INTERNAL INSPECTION GUIDELINES

8.1 **GENERAL**

8.1.1 Formal internal inspections are to be performed by certified inspectors per paragraph 4.2.

8.1.2 These guidelines are minimum inspection requirements. There are numerous AST configurations and components and it is the responsibility of the certified inspector to identify and properly inspect them to conform to the owner's requirements and/or industry standards. The inspector or the inspection company shall develop detailed checklists that identify, record and document all aspects of each inspection.

8.1.3 A formal internal inspection includes the requirements of a formal external inspection with the addition of the requirements described below. Refer to paragraphs 7.1 to 7.7 for formal external inspection requirements.

8.1.4 Double wall tanks and secondary containment tanks may be inspected by checking the interstice for liquid or by other equivalent methods.

8.1.5 For elevated ASTs where all external surfaces of an AST are accessible, the internal inspection requirements may be satisfied with an examination from the exterior by using such methods as UTS. For all other situations, entry into the interior of the AST is necessary to assess the condition of all surfaces.

8.2 **HORIZONTAL AST INTERNAL INSPECTION**

8.2.1 Identify, measure, inspect and record all AST internal appurtenances. Inspect for mechanical damage, corrosion, cracking, etc. Inspect for deteriorating or corroding internal attachments and piping. Take thickness readings of internal structures and record the readings.

8.2.2 Inspect the welds for cracking by visual inspection or if necessary, by magnetic particle (MT) inspection or equivalent method.

8.2.3 Internal NDT Inspection

8.2.3.1 AST assessment:

8.2.3.1.1 Ultrasonic testing equipment that is capable of scanning the tank (UTS), rather than measuring only individual points (UTT), is the preferred method of testing. Personnel performing UTS are to be qualified per paragraph 4.3.2.

8.2.3.1.2 If ultrasonic testing equipment that is capable of scanning the tank (as described in 8.2.3.1.1) is not practical, use equipment that tests individual points. In this case, take UTT measurements of at least 15 points per each 12 inches x 12 inches (0.3 meters x 0.3 meters) square area of the shell that is in contact with the ground. Any questionable areas are to be assessed by UTS per 8.2.3.1.1.

8.2.3.2 Perform a vacuum box (VB) examination of questionable welds to check for leaks.

8.2.3.3 Refer to Section 10.0 for criteria for suitability for continued service.

8.3 **VERTICAL AND RECTANGULAR AST INTERNAL INSPECTION**

8.3.1 Identify record, inspect and measure all AST internals. Inspect AST internals to check for mechanical damage, corrosion, cracking, etc. Check for deteriorating or corroding internal attachments and piping. Take thickness readings of internal structures and record the readings.

8.3.2 Inspect the welds for cracking by visual inspection or if necessary, by magnetic particle (MT) inspection or equivalent method.

8.3.3 Internal NDT Inspection

8.3.3.1 AST floor thickness assessment is required as follows:

8.3.3.1.1 Complete coverage of the AST floor is recommended due to random corrosion characteristics of metal in contact with ground. Inspection of the AST floor is recommended using inspection methods capable of determining the underside floor condition such as UTS, MFL followed by UTS of questionable areas, or other equivalent methods.

8.3.3.1.2 If ultrasonic testing equipment that is capable of scanning the tank (as described in 8.3.3.1.1) is not practical, use equipment that tests individual points. In this case, take UTT measurements of at least 15 points per each 12 inches x 12 inches (0.3 meters x 0.3 meters) square area of the

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shell that is in contact with the ground. Any questionable areas are to be assessed by UTS per 8.3.3.1.1.

8.3.3.2 Perform a vacuum box (VB) examination of questionable welds to check for leaks.

8.3.4 Refer to Section 10.0 for criteria for Suitability for Continued Service.

8.4 Additional requirements for field-erected ASTs are included in Appendix B.

8.5 **REPORT** - In the final report, include field data, measurements, pictures, drawings, tables and an inspection summary. Identify in the summary unacceptable conditions and recommended corrective actions. Determine the suitability for continued service of the AST. Include the time until the next scheduled formal external and/or formal internal inspection, as applicable. Include the inspector's name and certification number in the report.

9.0 LEAK TESTING METHODS (LTM)

9.1 **SHOP-FABRICATED AST LEAK TESTING PROCEDURE.**

9.1.1 Consult the Steel Tank Institute Recommended Practice R912, *Installation Instructions for Shop Fabricated Stationary Aboveground Storage Tanks for Flammable, Combustible Liquids.* Air should not be used for a pressure test and an inert gas should be used instead. The introduction of a gas containing oxygen (such as air) to a tank that has previously held petroleum liquid can pose an explosion hazard.

9.1.2 Vacuum testing of the interstice of double-wall or double-bottom tanks is an option. Refer to the Steel Tank Institute Recommended Practice R912, *Installation Instructions for Shop Fabricated Stationary Aboveground Storage Tanks for Flammable, Combustible Liquids.*

9.2 **PORTABLE CONTAINERS LEAK TESTING PROCEDURE.** Refer to DOT Sections 49 CFR 173.28 (Reuse, reconditioning and remanufacturing of packagings - mainly for drums) and Part 178 - 49 CFR Subpart O - Testing of IBC's (section 178.803 Testing and certification of IBC's) and 49 CFR 180.605, or equivalent, for portable container testing and recertification.

9.2.1 See the definition of Leak Testing Methods for more information.

10.0 SUITABILITY FOR CONTINUED SERVICE

10.1 Evaluation for suitability for continued service is a result of formal internal and/or external inspections performed by a certified inspector. This section describes the recommended actions to be taken by the owner as a result of these inspections. These conditions and others found during these inspections may require additional inspections or evaluations.

10.2 **FORMAL EXTERNAL AND INTERNAL INSPECTIONS** (refer to AST categories in Section 5.0)

10.2.1 MIC – For all tanks in Table 5.5, if evidence of MIC is found at any time, then corrections and repairs should be promptly made to the AST. Refer to Steel Tank Institute SP031 *Standard for Repair of In-Service Shop Fabricated Aboveground Tanks for Storage of Combustible and Flammable Liquids* for alterations or repairs to an AST. Conduct the next formal internal or formal external inspection no more than two years after the discovery of MIC.

10.2.1.1 When Table 5.5 allows formal external inspections to be performed in lieu of formal internal inspections, then conduct the next formal external inspection no more than two years after the discovery of MIC.

10.2.1.2 If the re-inspection shows that sufficient measures have been taken to eliminate MIC, such as regular and careful water removal and sterilization of the tank and piping systems, then the AST may be inspected according to Table 5.5.

10.2.2 Category 3 ASTs - If the shell thickness has been reduced to less than 75% of the original shell thickness, then the AST should be taken out of service and repaired or replaced. Refer to Steel Tank Institute SP031 *Standard for Repair of In-Service Shop Fabricated Aboveground Tanks for Storage of Combustible and Flammable Liquids* for alterations or repairs to an AST. The certified inspector shall document in the report that the next formal external or formal internal inspection shall be within 5 years and each subsequent 5 years.

10.2.3 Category 2 ASTs – The AST shall be repaired or replaced if more than 3 square inches of any one square foot of the tank shell (i.e. approximately 2%) is found to be less than 75% of the original shell thickness or if the remaining shell thickness of an area is less than 50% of the

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original shell thickness at any point. Refer to Steel Tank Institute SP031 *Standard for Repair of In-Service Shop Fabricated Aboveground Tanks for Storage of Combustible and Flammable Liquids* for alterations or repairs to an AST. The certified inspector shall document in the report that the next formal external or formal internal inspection shall be within 5 years and each subsequent 5 years.

10.2.4 Category 1 ASTs - The AST shall be repaired or replaced if more than 3 square inches of any one square foot of the tank shell (i.e. approximately 2%) is found to be less than 50% of the original shell thickness or if the remaining shell thickness of an area is less than 25% of the original shell thickness at any point. Refer to Steel Tank Institute SP031 *Standard for Repair of In-Service Shop Fabricated Aboveground Tanks for Storage of Combustible and Flammable Liquids* for alterations or repairs to an AST. The certified inspector shall document in the report that the next formal external or formal internal inspection shall be within 5 years and each subsequent 5 years.

10.2.4.1 For Category 1 ASTs, alternatively, if the certified inspector establishes and documents a corrosion rate, the inspector may determine the next formal internal inspection based upon corrosion rates. The calculated time until the next formal internal inspection interval or the next formal external inspection, as applicable may exceed the values listed in Table 5.5 if corrosion rates allow.

10.2.4.2 Refer to API 575, *Inspection of Atmospheric and Low-Pressure Storage Tanks*, for some acceptable methods of determining corrosion rates.

10.2.4.3 Further, if the shell thickness is reduced anywhere to less than 25% of the original shell thickness, the AST should be repaired or replaced. Refer to Steel Tank Institute SP031 *Standard for Repair of In-Service Shop Fabricated Aboveground Tanks for Storage of Combustible and Flammable Liquids* for alterations or repairs to an AST.

10.3 **OTHER TANK DAMAGE** – An AST subjected to damage caused by the following conditions requires evaluation by an engineer experienced in AST design or a tank manufacturer who will jointly with the owner determine if an immediate formal external or internal inspection is required:

- Fire - AST exposed to fire or flame impingement
- Natural disaster - AST exposed to flooding, hurricane force winds, etc. and has been lifted or damaged
- Excessive Settlement - AST that has experienced excessive settlement
- Overpressure - AST exposed to excessive internal pressure caused by overfill or failure of venting devices or other reason
- Damage from Cracking - AST with evidence of cracking of welds or of an AST surface

10.4 If a leak is discovered at any time by the owner or the inspector, the tank must be repaired, replaced or closed and removed from service in accordance with good engineering practice.

11.0 RECORDKEEPING

11.1 Retain each AST Record for the life of the AST.

11.2 Retain each Monthly Inspection Checklist for at least 36 months.

11.3 Retain each Annual Inspection Checklist for at least 36 months.

11.4 Retain each Portable Container Monthly Inspection Checklist for at least 36 months.

11.5 Retain all certified inspection reports for the life of the AST.

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REFERENCES

American Petroleum Institute:

- API Standard 341, *A Survey of Diked-area Liner Use at Aboveground Storage Tank Facilities*
- API Standard 575, *Inspection of Atmospheric and Low Pressure Storage Tanks*
- API Standard 650, *Welded Steel Tanks for Oil Storage*
- API Recommended Bulletin D16, *Suggested Procedure for Development of a Spill Prevention Control and Countermeasure Plan*
- API 12R1, *Recommended Practice for Setting, Maintenance, Inspection, Operation and Repair of Tanks in Production Service*
- API Standard 653, *Tank Inspection, Repair, Alteration, and Reconstruction.*
- API RP 2015, *Requirements for Safe Entry and Cleaning of Petroleum Storage Tanks*
- API RP 2016, *Guidelines and Procedures for Entering and Cleaning Petroleum Storage Tanks*

American Society for Nondestructive Testing

- ANSI/ASNT Recommended Practice No. ASNT-TC-1A, *Guideline to Personnel Qualification and Certification in NDT*

National Fire Protection Association:

- NFPA 30, *Flammable and Combustible Liquids*
- NFPA 326, *Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair*
- NFPA 780, *Standard for the Installation of Lightning Protection Systems*

Steel Tank Institute:

- SP031, *Standard for Repair of In-Service Shop Fabricated Aboveground Tanks for Storage of Combustible and Flammable Liquids*
- STI-R893, *Recommended Practice For External Corrosion Protection of Shop Fabricated Aboveground Tank Floors*
- STI-R912, *Installation Instructions for Shop Fabricated Stationary Aboveground Storage Tanks for Flammable, Combustible Liquids*

Underwriters Laboratories Inc.

- UL 142, *Steel Aboveground Tanks for Flammable and Combustible Liquids*

United States Environmental Protection Agency:

- EPA 40 CFR part 112, *Oil Pollution Prevention and Response; Non-Transportation-Related Onshore and Offshore Facilities*
- EPA 510-K-95-002, *Musts for USTs.A Summary of Federal Regulations for Underground Storage Tank Systems*

United States Department of Labor, Occupational Safety & Health Administration (OSHA)

- 29 CFR Part 1910.147, *The Control of Hazardous Energy (Lockout/Tagout),*
- 29 CFR Part 1910.331 to 1910.333, *Electrical Lockout/Tagout*

United States Department of Transportation

- DOT Sections 49 CFR 173.28, *Reuse, Reconditioning and Remanufacturing of Packaging,*
- DOT part 178-49 CFR Subpart O, *Testing of IBC's*
- DOT 49 CFR part 178.803, *Testing and certification of IBC's*
- DOT 49 CFR part 180.605, *Portable container Testing and Recertification*

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APPENDIX A
SUPPLEMENTAL TECHNICAL INFORMATION

1.0 TYPICAL AST DIAGRAMS

1.1 The diagram below shows terms commonly associated with ASTs. For the purposes of this standard, all of these surfaces are called the "shell" of the AST to avoid confusion.

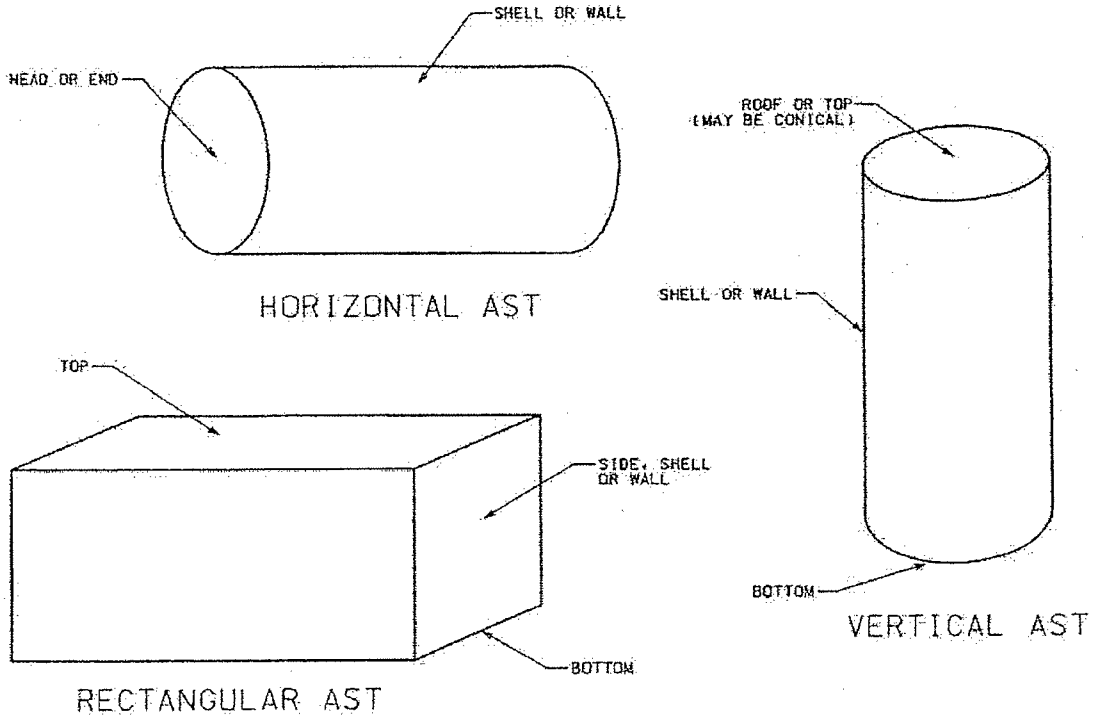

FIGURE A1.1

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1.2 The diagram below is included to assist in the identification of the appurtenances of an AST. A specific tank may include some or all of these appurtenances.

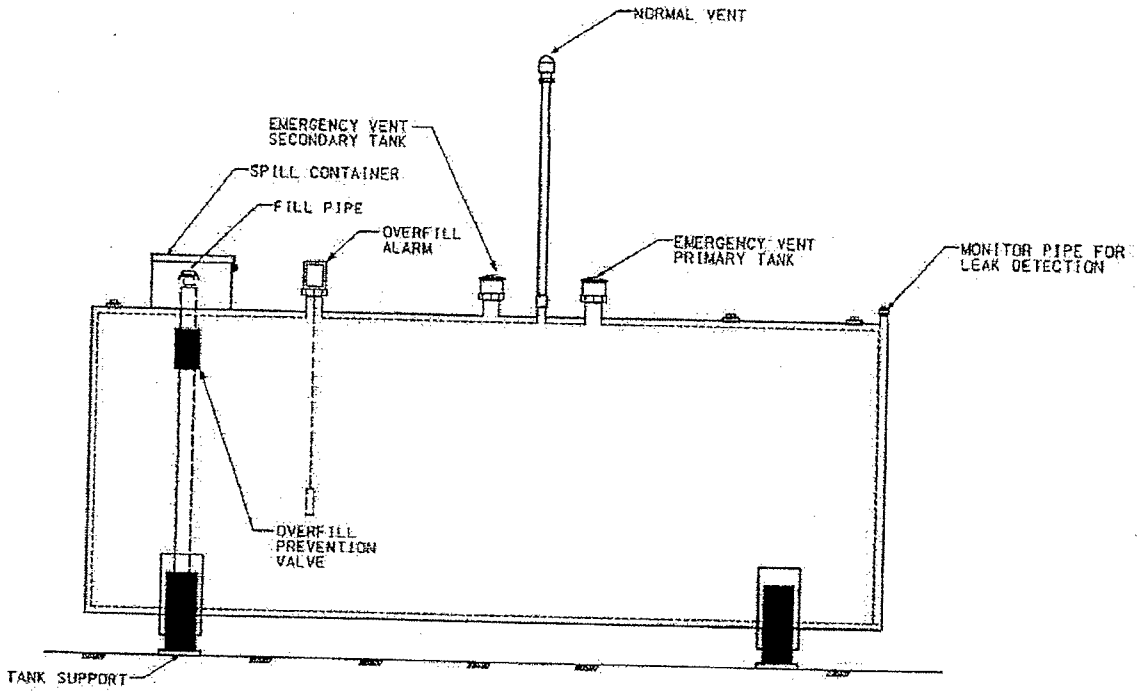

FIGURE A1.2

1.2.1 The purpose of these appurtenances is as follows:

1.2.1.1 Spill container – This tank accessory is designed to catch spills during tank filling operations. It typically has a lockable, hinged lid and allows spilled fluid to drain into the tank.

1.2.1.2 Tank vent – This tank accessory allows air to enter the tank when liquid is being withdrawn and exhausts air when the tank is being filled. This prevents damage to the tank due to too much pressure.

1.2.1.3 Overfill prevention valve – A specially designed device that provides positive shut-off at a predetermined value to prevent overfilling of an AST.

1.2.1.4 Overfill alarm – A device designed to alert personnel who are filling a tank when a predetermined level is reached.

1.2.1.5 Emergency vent (for primary and secondary tank)–These tank accessories prevent damage to the tank by allowing excess pressure to be vented. They are designed to relieve excess pressure in the event of an emergency, such as a fire.

1.2.1.6 Monitor pipe for leak detection –This pipe is installed in the air space (Interstice) between the primary tank and secondary tank of a double-wall tank. It is typically used with leak detection equipment to detect a leak in either the primary or the secondary tank.

1.2.1.7 Tank supports –These structures are used to elevate the tank off the ground.

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2.0 WATER INSIDE ASTS

2.1 The functional life of an AST can be significantly extended by regularly checking for water accumulation inside an AST and interstice of a double-wall AST and removing it or taking other corrective action.

2.2 Water affects the quality of some stored liquids and therefore remove the water or take other corrective action on a regular basis.

2.3 Bacteria may develop in the water and in certain stored liquids, such as petroleum liquids, and initiate microbial activity. Microbial activity can cause the formation of undesirable by-products, such as sludge and slime. Such activity will corrode metals and deteriorate plastics and may affect product quality.

3.0 RELEASE MANAGEMENT SYSTEM (RMS)

3.1 One of the basic purposes of AST inspection standards is to minimize the likelihood and consequences of leaks. Even small leaks over extended periods may have considerable impacts on the environment. The use of industry standards to prevent leaks is a fundamental principle of pollution prevention. Industry standards cover the tank life cycle from construction, to ongoing inspection and maintenance, to final closure.

3.2 Applying RMS can reduce the likelihood and consequences of leaks. Typically, RMS is applied to provide additional integrity assurance against leaks.

3.3 In the context of this standard, RMS specifically refers to two basic methodologies as defined below:

- Leak Testing Methods (LTM)
- Continuous Release Detection Methods (CRDM)

3.4 Experience has shown long-term, slow leaks may develop and cause environmental damage with an AST that is in direct contact with the ground. These types of ASTs are subjected to the full hydrostatic pressure of the liquid on one side of the AST surface and are in direct contact with the ground on the other side of the AST surface. These ASTs may allow a slow leak over a long time with the full liquid hydrostatic pressure, which may go undetected and cause environmental damage. LTM is a layer of protection beyond conventional AST inspection practices that is most effective when applied to ASTs that are in direct contact with the soil and that do not have CRDMs. An LTM is ordinarily *not* necessary for tanks that have CRDMs (continuous release detection methods) such as elevated tanks, double-wall tanks, or tanks with release prevention barriers.

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3.5 Figure A3.5 shows RMS graphically.

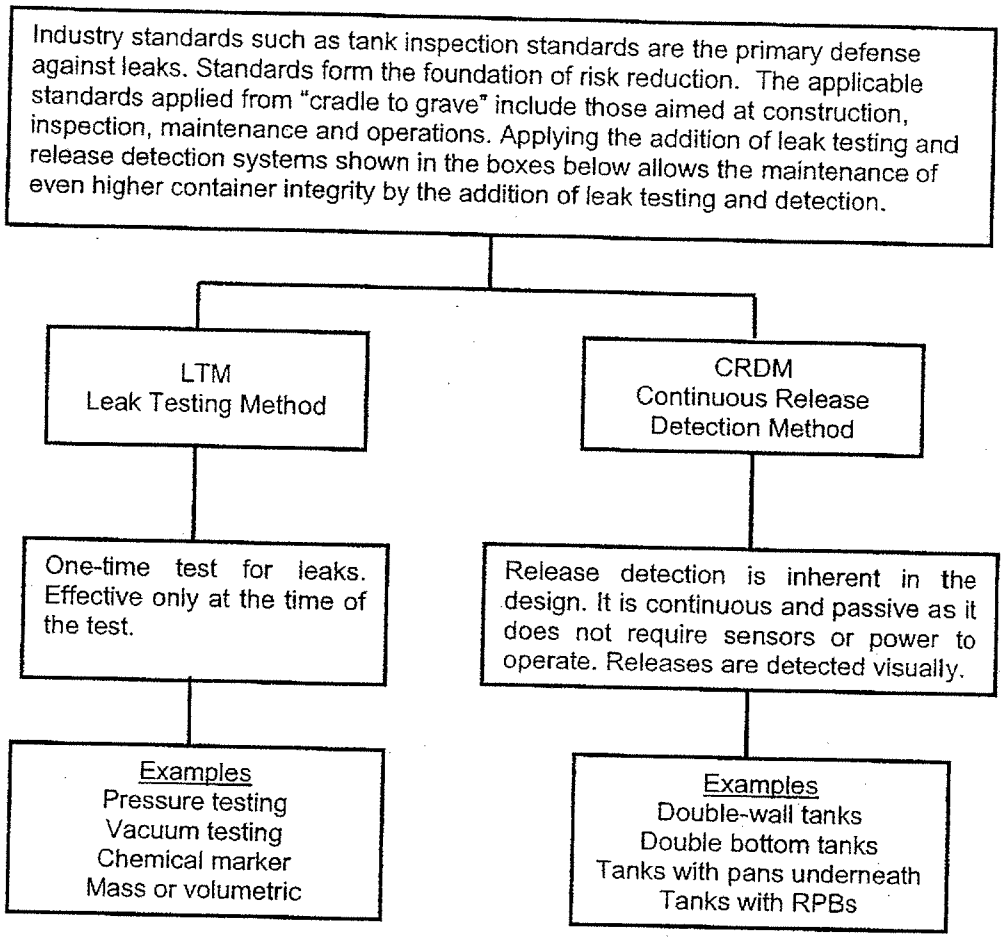

Figure A3.5
Release Detection Systems

4.0 REGULATIONS

4.1 The Federal EPA and some states have enacted regulations regarding the storage and handling of oils, both petroleum and non-petroleum, called the Spill Prevention Control and Countermeasures (SPCC) Rule under the authority of the Clean Water Act (40 CFR part 112). Entities regulated by these sections may use this standard or others to inspect and determine the fitness of their storage systems. Refer to http://www.epa.gov/oilspill/ for more information and The American Petroleum Institute's (API) Recommended Practice Bulletin D16, *Suggested Procedure for Development of a Spill Prevention Control and Countermeasure Plan,* (see: http://api-ep.api.org/)

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APPENDIX B
INSPECTION OF FIELD-ERECTED ASTS

1.0 GENERAL

1.1 Purpose and Applicability – this Appendix addresses the additional and special inspection requirements of field-erected tanks. Tanks larger than 30 feet (9.1 meters) diameter or more than 50 feet (15.2 meters) high should be inspected according to an appropriate field-erected tank inspection standard. This Appendix is applicable only when specifically referenced by written contractual language between the owner and the inspector. Further, it is applicable only when not prohibited by the regulatory authority having jurisdiction. This appendix specifies only those requirements which modify or exceed the requirements of the main body of the standard.

1.2 Scope - This Appendix applies to steel ASTs that are as follows:

1.2.1 Welded and flat-bottom, cone-up or cone-down design

1.2.2 Up to 30 feet (9.1 meters) in diameter and with a height of less than 50 feet (15.2 meters).

1.2.3 Fabricated with full-fusion, butt-welded shells and with lap-welded or butt-welded bottom plates

1.2.4 Fabricated with a shell thickness of each course less than ½ inch and with original nominal bottom thickness plates equal to ¼ inch or 6 mm

1.2.5 Built to a nationally recognized standard.

1.3 Brittle Fracture Assessment - Because the tank shells are under ½ inch thick, the risk of brittle fracture is minimal. Brittle fracture assessments and documentation are not required for tanks that fall within the scope of this standard.

2.0 INSPECTIONS

2.1 Refer to the Table B2.1 below for the inspection timetable. Category 1, 2 and 3 as well as the P, E, I and L designations are described in the main body of the SP001 Standard. Note that the internal inspection intervals shown in this table are guiding values when corrosion rates are not determined in accordance with recognized and accepted industry principles and practice.

2.1.1 When corrosion rates are established, then the corrosion rates may govern the internal inspection interval which may be shorter or longer than the values shown.

2.1.2 For Category 1 tanks, the maximum internal re-inspection interval is 30 years.

2.1.3 For Category 2 tanks, the maximum internal re-inspection interval is 20 years.

2.1.4 For Category 3 tanks, the maximum internal re-inspection interval may not be longer than shown in Table B2.1.

TABLE B2.1 TABLE OF INSPECTION SCHEDULES

AST Type and Size	Category 1	Category 2	Category 3
Field-erected AST	P, E(5), I(10)	P, E&L(5), I(10)	P, E&L(5), I(10)

2.2 Follow the requirements found in the main body of the SP001 Standard for the requirements of periodic inspections, formal external inspections and formal internal inspections and any additional requirements in this Appendix. Also, follow all the requirements of the Safety Section. Leak testing methods for field-erected tanks currently under research by API and STI and requirements will be added to SP001 in the future.

2.3 Below are additional inspection requirements for field-erected ASTs

2.3.1 Vertical AST Floating Roof

2.3.1.1 For safety, make sure that the roof pontoons are free of liquid and harmful vapors and that the floating roof is properly stabilized against collapse. (see API 2016, *Guidelines and Procedures for*

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Entering and Cleaning Petroleum Storage Tanks.) Inspect the vapor space on top of the floating roof before gaining access.

2.3.1.2 For formal internal inspections, inspect the seal for deterioration, holes, tears and cracks to determine the Suitability for Continued Service.

2.3.1.3 For external floating roofs, assess the condition of the outer roof rim plate by visual or ultrasonic methods. It may be necessary to assess the condition by performing ultrasonic inspection from the inside of the pontoon. Inspect that either the roof drain is open or the drain plug in the roof is open in case of unexpected rain. Inspect the roof legs for their contact with the floor and that the striker plates are present and in position. Inspect the roof legs for corrosion and damage.

2.3.1.4 Inspect for standing water on top of the roof and inspect the roof drainage system operation. Inspect the pontoons for presence of liquid.

2.4 Suitability for Continued Service

2.4.1 As an alternative to the criteria in the main body of SP001, and if the certified inspector is API 653 Certified, then the methods included in API 653 maybe used to evaluate the AST.

2.4.2 The minimum allowable remaining thickness is 0.1 inch (2.54 mm). In setting the next inspection interval based upon corrosion rates, neither the bottom nor the shell shall be allowed to corrode less than 0.1 inch.

2.4.2.1 The minimum required thickness of each shell course shall be according to

$$t_{\min} = \frac{(H-1)DG}{10{,}000}$$

t_{min} = the minimum acceptable average thickness, in inches, for each course as calculated from the above formula. However, t_{min} shall not be less than 0.1 inch (2.54 mm) for any tank course.

D = nominal diameter of tank, feet.

H = height from the bottom of the shell course under consideration to the maximum liquid level when evaluating an entire shell course, feet.

G = largest specific gravity of the contents.

2.4.3 One method of determining the interval between formal internal inspections required by the tank bottom assessment is as follows: (Corrosion rates shall be assumed constant for these calculations.)

$$MFIII = \frac{\min(RT_{bc}, RT_{ip}) - MRT}{(St\,\mathrm{Pr} + U\,\mathrm{Pr})}$$

MRT = minimum allowable remaining tank bottom thickness at the end of inspection interval which is 0.1 inch (2.54 mm).

MFIII = maximum formal internal inspection interval (years to next internal inspection) no to exceed that allowed in paragraph 2.1 of this Appendix.

RT_{bc} = minimum remaining thickness from bottom side corrosion after repairs.

RT_{ip} = minimum remaining thickness from internal corrosion after repairs.

St Pr = maximum rate of corrosion not repaired on the top side. This value is zero for coated areas of the bottom. The expected life of the coating must equal or exceed MFIII to use *St* Pr = 0.

U Pr = maximum rate of corrosion on the bottom side. To calculate the corrosion rate, use the minimum remaining thickness after repairs. For tanks that have proven cathodic protection, the corrosion rate from the underside shall be *U* Pr = 0.002 inches per year (0.05 mm per year).

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Note: For areas of a bottom that have been scanned by the magnetic flux leakage (or exclusion) process, and do not have effective cathodic protection, the thickness used for calculating *U* Pr must be the lesser of the MFL threshold or the minimum thickness of corrosion areas that are not repaired. The MFL threshold is defined as the minimum remaining thickness to be detected in the areas inspected. This value should be predetermined by the owner based on the desired inspection interval.

2.4.4 Widely scattered pitting will not appreciably affect the strength of the tank shell and the tank may be allowed to continue operation provided that both of the following conditions are met:

2.4.4.1 Pit depths or thinning (with a diameter or maximum dimension of less than 2 inches (50.8 mm)) does not result in a remaining wall thickness of less than 0.05 inch (1.27 mm).

2.4.4.2 No pit or thinned area results in any area 2 inches (50.8 mm) in diameter or larger with a thickness less than 0.1 inch (2.54 mm).

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APPENDIX C
PERIODIC INSPECTION CHECKLISTS

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STI SP001 AST Record

OWNER INFORMATION	FACILITY INFORMATION	INSTALLER INFORMATION
Name	Name	Name
Number and Street	Number and Street	Number and Street
City, State, Zip Code	City, State, Zip Code	City, State, Zip Code

TANK ID _____

SPECIFICATION:

Design: ☐ UL _____ ☐ SWRI _____ ☐ Horizontal ☐ Vertical ☐ Rectangular

☐ API _____ ☐ Other _____

☐ Unknown

Manufacturer: Contents: Construction Date: Last Repair/Reconstruction Date:

Dimensions: Capacity: Last Change of Service Date:

Construction: ☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed Current) Date Installed: _____

☐ Coated Steel ☐ Concrete ☐ Plastic/Fiberglass ☐ Other

☐ Double Bottom ☐ Double Wall ☐ Lined Date Installed: _____

Containment: ☐ Earthen Dike ☐ Steel Dike ☐ Concrete ☐ Synthetic Liner ☐ Other _____

CRDM: ☐ Date Installed: _____ Type: _____

Release Prevention Barrier: ☐ Date Installed: _____ Type: _____

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TANK ID _____

SPECIFICATION:

Design: ☐ UL _____ ☐ SWRI _____ ☐ Horizontal ☐ Vertical ☐ Rectangular
☐ API _____ ☐ Other _____
☐ Unknown

Manufacturer: Contents: Construction Date: Last Repair/Reconstruction Date:

Dimensions: Capacity: Last Change of Service Date:

Construction: ☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed Current) Date Installed: _____
☐ Coated Steel ☐ Concrete ☐ Plastic/Fiberglass ☐ Other
☐ Double Bottom ☐ Double Wall ☐ Lined Date Installed: _____

Containment: ☐ Earthen Dike ☐ Steel Dike ☐ Concrete ☐ Synthetic Liner ☐ Other _____

CRDM: ☐ Date Installed: Type:

Release Prevention Barrier: ☐ Date Installed: _____ Type: _____

TANK ID _____

SPECIFICATION:

Design: ☐ UL _____ ☐ SWRI _____ ☐ Horizontal ☐ Vertical ☐ Rectangular
☐ API _____
☐ Unknown ☐ Other _____

Manufacturer: Contents: Construction Date: Last Repair/Reconstruction Date:

Dimensions: Capacity: Last Change of Service Date:

Construction: ☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed Current) Date Installed: _____
☐ Coated Steel ☐ Concrete ☐ Plastic/Fiberglass ☐ Other
☐ Double Bottom ☐ Double Wall ☐ Lined Date Installed: _____

Containment: ☐ Earthen Dike ☐ Steel Dike ☐ Concrete ☐ Synthetic Liner ☐ Other _____

CRDM: ☐ Date Installed: Type:

Release Prevention Barrier: ☐ Date Installed: _____ Type: _____

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TANK ID _____

SPECIFICATION:

Design: ☐ UL _____ ☐ SWRI _____ ☐ Horizontal ☐ Vertical ☐ Rectangular

☐ API _____

☐ Unknown ☐ Other _____

Manufacturer: Contents: Construction Date: Last Repair/Reconstruction Date:

Dimensions: Capacity: Last Change of Service Date:

Construction: ☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed Current) Date Installed: _____

☐ Coated Steel ☐ Concrete ☐ Plastic/Fiberglass ☐ Other

☐ Double Bottom ☐ Double Wall ☐ Lined Date Installed: _____

Containment: ☐ Earthen Dike ☐ Steel Dike ☐ Concrete ☐ Synthetic Liner ☐ Other _____

CRDM: ☐ Date Installed: Type:

Release Prevention Barrier: ☐ Date Installed: _____ Type: _____

TANK ID _____

SPECIFICATION:

Design: ☐ UL _____ ☐ SWRI _____ ☐ Horizontal ☐ Vertical ☐ Rectangular

☐ API _____

☐ Unknown ☐ Other _____

Manufacturer: Contents: Construction Date: Last Repair/Reconstruction Date:

Dimensions: Capacity: Last Change of Service Date:

Construction: ☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed Current) Date Installed: _____

☐ Coated Steel ☐ Concrete ☐ Plastic/Fiberglass ☐ Other

☐ Double Bottom ☐ Double Wall ☐ Lined Date Installed: _____

Containment: ☐ Earthen Dike ☐ Steel Dike ☐ Concrete ☐ Synthetic Liner ☐ Other _____

CRDM: ☐ Date Installed: Type:

Release Prevention Barrier: ☐ Date Installed: _____ Type: _____

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STI SP001 Monthly Inspection Checklist

General Inspection Information:

Inspection Date: _____ Retain Until Date: _____ (36 months from inspection date)

Prior Inspection Date: _____ Inspector Name: _____

Tanks Inspected (ID #'s): _____

Inspection Guidance:

- For equipment not included in this standard, follow the manufacturer recommended inspection/testing schedules and procedures.
- The periodic AST Inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems.
- Upon discovery of water in the primary tank, secondary containment area, interstice, or spill container, remove promptly or take other corrective action. Before discharge to the environment, inspect the liquid for regulated products or other contaminants and disposed of it properly.
- (*) designates an item in a non-conformance status. This indicates that action is required to address a problem.
- Non-conforming items important to tank or containment integrity require evaluation by an engineer experienced in AST design, a certified inspector, or a tank manufacturer who will determine the corrective action. Note the non-conformance and corresponding corrective action in the comment section.
- Retain the completed checklists for 36 months.
- **In the event of severe weather (snow, ice, wind storms) or maintenance (such as painting) that could affect the operation of critical components (normal and emergency vents, valves), an inspection of these components is required immediately following the event.**

Item	Status		Comments
1.0 Tank Containment			
1.1 Water in primary tank, secondary containment, interstice, or spill container?	☐Yes*	☐No	
1.2 Debris or fire hazard in containment?	☐Yes*	☐No	
1.3 Drain valves operable and in a closed position?	☐Yes	☐No*	
1.4 Containment egress pathways clear and gates/doors operable?	☐Yes	☐No*	

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2.0 Leak Detection			
2.1 Visible signs of leakage around the tank, concrete pad, containment, ringwall or ground?	☐Yes*	☐No	
3.0 Tank Attachments and Appurtances			
3.1 Ladder and platform structure secure with no sign of severe corrosion or damage?	☐Yes	☐No*	
3.2 Tank Liquid level gauge readable and in good condition?	☐Yes	☐No*	
3.3 Check all tank openings are properly sealed	☐Yes	☐No*	
4.0 Other Conditions			
4.1 Are there other conditions that should be addressed for continued safe operation or that may affect the site SPCC plan?	☐Yes*	☐No	

Additional Comments:

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STI SP001 Annual Inspection Checklist

General Inspection Information:

Inspection Date: _____ Retain Until Date: _____ (36 months from inspection date)

Prior Inspection Date: _____ Inspector Name: _____

Tanks Inspected (ID #'s): _____

Inspection Guidance:

- For equipment not included in this standard, follow the manufacturer recommended inspection/testing schedules and procedures.
- The periodic AST Inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems.
- Inspect the AST shell and associated piping, valves, and pumps including inspection of the coating for Paint Failure.
- Inspect:
  1. Earthen containment structures including examination for holes, washout, and cracking in addition to liner degradation and tank settling.
  2. Concrete containment structures and tank foundations/supports including examination for holes, washout, settling, paint failure, in addition to examination for corrosion and leakage.
  3. Steel containment structures and tank foundations/supports including examination for washout, settling, cracking, and for paint failure, in addition to examination for corrosion and leakage.
- Inspection of cathodic protection system, if applicable, includes the wire connections for galvanic systems and visual inspection of the operational components (power switch, meters, and alarms) of impressed current systems.
- Remove promptly upon discovery standing water or liquid in the primary tank, secondary containment area, interstice, or spill container. Before discharge to the environment, inspect the liquid for regulated products or other contaminants and disposed of it properly.
- In order to comply with EPA SPCC (Spill Prevention, Control and Countermeasure) rules, a facility must regularly test liquid level sensing devices to ensure proper operation (40 CFR 112.8(c)(8)(v)).
- (*) designates an item in a non-conformance status. This indicates that action is required to address a problem.
- Non-conforming items <u>important to tank or containment integrity</u> require evaluation by an engineer experienced in AST design, a certified inspector, or a tank manufacturer who will determine the corrective action. Note the non-conformance and corresponding corrective action in the comment section.
- Retain the completed checklists for 36 months.
- Complete this checklist on an annual basis supplemental to the owner monthly-performed inspection checklists.
- **Note: If a change has occurred to the tank system or containment that may affect the SPCC plan, the condition should be evaluated against the current plan requirement by a Professional Engineer knowledgeable in SPCC development and implementation.**

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Item	Status	Comments
1.0 Tank Containment		
1.1 Containment structure in satisfactory condition?	☐Yes ☐No*	
1.2 Drainage pipes/valves fit for continued service	☐Yes ☐No* ☐ N/A	
2.0 Tank Foundation and Supports		
2.1 Evidence of tank settlement or foundation washout?	☐Yes* ☐No	
2.2 Cracking or spalling of concrete pad or ring wall?	☐Yes* ☐No	
2.3 Tank supports in satisfactory condition?	☐Yes ☐No*	
2.4 Water able to drain away from tank?	☐Yes ☐No*	
2.5 Grounding strap secured and in good condition?	☐Yes ☐No*	
3.0 Cathodic Protection		
3.1 CP system functional?	☐Yes ☐No* ☐n/a	
3.2 Rectifier Reading:		
4.0 Tank External Coating		
4.1 Evidence of paint failure?	☐Yes* ☐No	
5.0 Tank Shell/Heads		
5.1 Noticeable shell/head distortions, buckling, denting or bulging?	☐Yes* ☐No	
5.2 Evidence of shell/head corrosion or cracking?	☐Yes* ☐No	
6.0 Tank Manways, Piping and Equipment within Secondary Containment		
6.1 Flanged connection bolts tight and fully engaged with no sign of wear or corrosion?	☐Yes ☐No*	
7.0 Tank Roof		
7.1 Standing water on roof?	☐Yes* ☐No	
7.2 Evidence of coating cracking, crazing, peeling, blistering?	☐Yes* ☐No	
7.3 Holes in roof?	☐Yes* ☐No	

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Item	Status	Comments
8.0 Venting		
8.1 Vents free of obstructions?	☐Yes ☐No*	
8.2 Emergency vent operable? Lift as required?	☐Yes ☐No*	
9.0 Insulated Tanks		
9.1 Insulation missing?	☐Yes* ☐No	
9.2 Are there noticable areas of moisture on the insulation?	☐Yes* ☐No	
9.3 Mold on insulation?	☐Yes* ☐No	
9.4 Insulation exhibiting damage?	☐Yes* ☐No	
9.5 Is the insulation sufficiently protected from water intrusion?	☐Yes ☐No*	
10.0 Level and Overfill Prevention Instrumentation of Shop-Fabricated Tanks		
10.1 Has the tank liquid level sensing device been tested to ensure proper operation?	☐Yes ☐No*	
10.2 Does the tank liquid level sensing device operate as required?	☐Yes ☐No*	
10.3 Are overfill prevention devices in proper working condition?	☐Yes ☐No* ☐N/A	
11.0 Electrical Equipment		
11.1 Are tank grounding lines in good condition?	☐Yes ☐No* ☐N/A	
11.2 Is electrical wiring for control boxes/lights in good condition?	☐Yes ☐No* ☐N/A	

Additional Comments:

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STI SP001 Portable Container Monthly Inspection Checklist

General Inspection Information:

Inspection Date: _____ Retain Until Date: _____ (36 months from inspection date)

Prior Inspection Date: _____ Inspector Name: _____

Containers Inspected (ID #'s): _____

Inspection Guidance:

- For equipment not included in this standard, follow the manufacturer recommended inspection/testing schedules and procedures.
- The periodic AST Inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a certified inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems.
- (*) designates an item in a non-conformance status. This indicates that action is required to address a problem.
- Non-conforming items Important to tank or containment integrity require evaluation by an engineer experienced in AST design, a certified inspector, or a tank manufacturer who will determine the corrective action. Note the non-conformance and corresponding corrective action in the comment section.
- Retain the completed checklists for 36 months.

Item	Area: _____		Area: _____		Area: _____		Area: _____	
1.0 AST Containment/Storage Area								
1.1 ASTs within designated storage area?	☐Yes	☐No*	☐Yes	☐No*	☐Yes	☐No*	☐Yes	☐No*
1.2 Debris, spills, or other fire hazards in containment or storage area?	☐Yes*	☐No	☐Yes*	☐No	☐Yes*	☐No	☐Yes*	☐No
1.3 Water in outdoor secondary containment?	☐Yes*	☐No	☐Yes*	☐No	☐Yes*	☐No	☐Yes*	☐No
1.4 Drain valves operable and in a closed position?	☐Yes	☐No*	☐Yes*	☐No	☐Yes*	☐No	☐Yes*	☐No
1.5 Egress pathways clear and gates/doors operable?	☐Yes	☐No*	☐Yes*	☐No	☐Yes*	☐No	☐Yes*	☐No

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Item	Area: _____	Area: _____	Area: _____	Area: _____
2.0 Leak Detection				
2.1 Visible signs of leakage around the container or storage area?	☐Yes* ☐No	☐Yes* ☐No	☐Yes* ☐No	☐Yes* ☐No
3.0 Container				
3.0 Noticeable container distortions, buckling, denting or bulging?	☐Yes* ☐No	☐Yes* ☐No	☐Yes* ☐No	☐Yes* ☐No

Comments:

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APPENDIX E
EMPLOYEE TRAINING DOCUMENTATION FORM
SPCC PLAN
GE AVIATION YAKIMA

Date: _____ Location: _____

Person Conducting Training: _____

This training session is being held at the conclusion of the facility review necessary for the preparation of a SPCC Plan. The individuals listed below were in attendance.

The provisions of the SPCC Plan were reviewed and discussed. The need to avoid needless delay in controlling a spill was emphasized. It was agreed that the Spill Response Team would hold two meetings per year to ensure that each member is familiar with the provisions of the SPCC Plan, methods of combating a spill, safety measures available and needed, make minor revisions necessary to keep the SPCC Plan current, etc.

	Please Print Your Name	Signature
Attendees:		

APPENDIX F
SPILL RESPONSE PROCEDURES

1. General

A. Initial Spill Discovery and Subsequent Responses:

Initial Discovery: All personnel at this location have been trained under the OSHA Hazard Communication Standard (29 CFR 1910.1200) on hazard chemical awareness, and how to work with chemicals they use safely. When a chemical becomes out of control (e.g., out of its container), depending on the amount of chemical, location, and degree of hazard of the chemical, this person may now serve as a First Responder-Awareness Level person (under OSHA 1910.120) and either clean up the spill themselves as an "incidental spill," or notify the employees supervisor and/or the Emergency Coordinator if the spill is above this "incidental spill" level. **Incidental spill levels may vary depending on site specific conditions, but typically, employees should consider the following levels to be incidental spill levels for materials spilled inside at this location (if they have proper personal protective equipment and can neutralize and/or clean up the spill safely). See Figure 1 for a flow chart describing this initial discovery and response.**

HAZARDOUS MATERIAL	"INCIDENTAL SPILL" LEVEL
Trichloroethylene	5 gallons
Flammable Solvents	5 gallon
Non-Flammable Solvents	10 gallons
Liquid Paints	15 gallons
Oil and Lubricants (including skydrol)	15 gallons
Strong Acids	0 (always call Emergency Coordinator)
Strong Bases	0 (always call Emergency Coordinator)
Battery Acid	1 quart (always call Emergency Coordinator)
Water Based Coolants	40 gallons
Hazardous Waste	0 (always call Emergency Coordinator)

Spill Level Determinations: Employees who observe a spill or response will use Figure 1 (and the above table) to determine if the material can be cleaned up as an "incidental spill."

Initial Spill Notification: If this spill exceeds the conditions for "incidental," the person who observes the spill or release will contact the Emergency Coordinator. This will be accomplished by dialing from the nearest telephone. Telephones are located at numerous location around the plant and every phone has both internal and external (local) calling capability (dialing 9, then the outside number).

Isolation of Spill Area: As part of this initial response, this person is to ensure that all persons are out of the immediate spill area and not in any danger (this may take the utilization of other employees in the area to help isolate the spill area, and prevent problems of reentry into the spill area).

Additional Alarm Systems: The following systems are in the plant and are described below:

a. Fire sprinkler system: The plant facility is equipped with an automatic sprinkler system for fire suppression which is monitored and serviced by the electronic security systems. The system has an audible alarm and is activated by water flow and smoke detectors. There are also pull stations in the plant which also can be used to activate the alarm system.

b. Public Address System: The plant has a paging/announcement system which is accessible at all telephones and is always available to employees by first dialing the following number**: 53.**

Possible External Assistance Request: As part of the response, the Emergency Coordinator may have to call external spill or release response authorities (local Yakima Fire Department HAZMAT team or fire fighters), external spill remediation contractors, and regulatory agency authorities, including the local wastewater treatment authority if spill is released into sanitary sewer system.

With respect to the organization of internal emergency response personnel, no site personnel have been trained as OSHA HAZWOPER (Under 29 CFR 1910.120) responders; therefore site personnel are limited to the response and clean-up of small "incidental spills." Spills (or fires) requiring response that are above the "incidental spill" level will require the response by, at a minimum, the local (Yakima) fire department HAZMAT unit. Once the local Fire Department HAZMAT Team arrives from a call from the site, they will assume Incident Command from the acting SAAS-Y Site Emergency Coordinator. At the time of response, while awaiting the arrival of the local Fire Department, the site Emergency Coordinator assumes all roles listed within the Incident Command structure (command, operations, planning, finance), unless delegated to specific site personnel at the time of the incident).

Once summoned for chemical spill release, the Emergency Coordinator will assess the current situation and will take site control of the response in an effort to minimize risks from the incident. This will include making a determination as to the need for evacuation of employees from plant areas, and for the need for additional resources (e.g., local Fire Department/HAZMAT Team).

More Information Gathering: Information to be gathered by this preliminary assessment of chemical spills is listed below:

a. What is the hazardous material released?
b. What the material's hazard(s)?
c. How much has spilled or released?
d. Where is spill or release?
e. Are there fire or explosion risks?
f. Are there inhalation risks?
g. Is air monitoring equipment useful (e.g., combustible gas meter)?
h. Are there skin contact risks?
i. What are spill migration or dispersion pathways?
j. What is wind direction, if outside?
k. Are there likely receptors (personnel, sanitary or storm sewer drains, creeks, neighbors, etc.)?
l. Is evacuation of plant personnel necessary?
m. Is warning and possible evacuation of neighbors necessary?
n. How much is available for continued spill or release (container size)?
o. Has anyone already had exposure to spill or release (or fire)?
p. Is there any natural, passive, or active mitigation equipment or features available?
q. Is there a need to implement utilities disconnections?
r. Is there a high sense of urgency for external support?

Higher Level Responses for Consideration by the EC: They are the following and are based on the above assessment:

a. Call for response from local fire department;
b. Evacuation of employees from a designated part of plant;
c. Evacuation of employees from entire plant;
d. Recommended evacuation of affected neighbors;
e. Call for response from spill remediation contractor;
f. Call in Slug Load Notification to local POTW

Evacuation: Should evacuation be required, the following procedures shall be followed:

Some emergencies, including fire, explosions or chemical spills, may require evacuation of the plant. All employees should be familiar with the evacuation routes and should recognize the fire alarm (Bell Sound) as the evacuation signal. If it is possible and safe to do so, any equipment that may be hazardous if left unattended should be shut off by the operator. Evacuations will be announced over the intercom by the Primary Emergency Coordinator, as well as being signaled by the fire alarm.

ZONE LEADERS AND ASSEMBLY GROUPS - SHIFT 1

701/1 Engineering Director (Scott Kunkler) — Substitute: Sr. Principal Eng. (Cal Thompson)

(Annette Davis)
Engineering
Marketing/Sales/Contracts
Production Control
Manufacturing Engineering

702 / 2 Human Resources Director (Cheryl Dale) — Substitute: Senior Buy (Pete Delo)
(Antonio Macias)
Human Resources
Corporate Management
Finance
Procurement
Reliability/Analyst Eng.
Engineering Support

703 / 3 I.S. Manager (Brad McKeirnan) — Substitute: (Lana Johnson)
Information Systems

801 / 4 Machine Shop Manager (Tom Moore) — Substitute: Cell Coordinator (Ciro DeMarco)
Production
Facilities Maintenance
Machine Maintenance

802 / 5 Quality Cell Coordinator (Scott Smith) — Substitute: Mat'l Handling Lead (Tony Villarreal)
Material Handling
Tool Crib
Quality Assurance
Final Inspection
Mfg. Planner/Programmer
Grinding / Honing

803 / 6 Fuse Cell (Bruce Olsen.) — Substitute: NDT/Inspector (Mike Derry)
Deburr
Fuse Cell
NDT

804 / 7 Estimating Manager (Tim Gellerson) — Substitute: Mech Auto. Eng. (Bobbie McGee)
Engineering Test
Estimating Area
Fuse Cell Assembly
Customer Service
Quality Engineers
Electronics
Short Run Shop

805 / 8 All Assembly (Wayne Turner) — Substitute: Tom Moser
Stockroom
Fuse Test / Test / Assembly Test

AREA LEADER AND ASSEMBLY GROUP - SHIFT 2

1. 2nd, Shift Cell Coordinator (Marty Moore) — Substitute: Stacey Kruger
Entire Second Shift

AREA LEADER AND ASSEMBLY GROUP - SHIFT 3

1. 3rd, Shift Cell Coordinator (Ciro Demarco) — Substitute: Nabor Martinez
Entire Third Shift

In the event of an evacuation of the facility, the area leaders, in cooperation with the department supervisors, are accountable for ensuring that all of the employees in their areas have been evacuated from the building. They are also responsible for maintaining control of their assembly groups and keeping them in their designated assembly area until otherwise advised by the Primary Emergency Coordinator.

If an emergency situation should arise in a particular area, the area supervisor is responsible for ensuring that all of his/her employees evacuate the building. He/she should close all doors in the area and proceed to the proper assembly area. After accounting for all the employees in his/her department, the supervisor should report to the area leader.

In the event of an emergency situation requiring an evacuation (as signaled by the fire alarm), all employees shall evacuate the building using one of the designated routes assigned to their work area. They shall proceed to their assigned area and remain there until given further instructions from the area leader. If an employee operates any machine tools or process equipment, he/she should remove A.C. power before leaving the building if it is safe to do so.

2. General Preparedness and Response

A. Consult and implement the GE Aviation Yakima "5S Inspection Program" which includes inspection of chemical storage areas and building exterior for good chemical housekeeping.

B. As a preventative maintenance task for exterior storage area, ensure that secondary containment capacity is maintained by periodically removing accumulated rain water from diked areas.

C. For spills outside the buildings, timely and effective "incidental spill" response and/or contacting municipal or private contractor spill responders is essential.

D. If a release of oil or hazardous substance occurs, report immediately to the agencies listed in Section 5.0 of the SPCC Plan when the amount which leaves company property is determined in excess of the reportable quantity, listed below, or exceeds wastewater limits listed in the local sanitary sewer use ordinance.

3. <u>Oil Discharges - Including Skydrol, Mil Oil, Hydraulic Oil, Lubrication Oils, Waste Oils, etc.</u>

In the event of a discharge of oils from any of the equipment or containers, the following countermeasures shall immediately be undertaken to contain the spill *on company property*. Keep it from entering any sewer, drain or catch basin where it could leave company property or entering the sanitary sewer system.

A. Shut off any affected oil containing operating pumps.

B. Close all valves necessary to stem the discharge.

C. Contain the spill in as small an area as possible by constructing berms, spill pillows, or other absorbents or barriers (dams) on the floor or ground.

D. Prevent the flow of oil from entering any floor drain or storm water catch basin by sealing it off with a sheet of plastic weighted down with sand. Drips or spills shall be soaked up with sorbent materials without delay to keep it from being washed away during periods of precipitation. No oil shall be allowed to be absorbed in the ground around the plant.

E. If the flow of oil has entered any of the drainage ditches surrounding the plant, seal off the outlet to trap the oil and keep the flow from leaving our premises. If expedient, use "bulldozer" or "payloader" to dig and block up the drainage ditch to trap and collect quantities of oil.

F. For assistance, call the local fire department and/or the service contractors listed in Section 5.0 of the SPCC Plan.

G. Determine the source of the discharge from the system, if necessary, repair the leak and return the system to service.

H. Pick up the oil and oil-laden debris, store in 55 gallon drums with covers in preparation for disposal, or call contractor to pump out and clean up affected ground areas.

Note: In the event that oils are accidentally discharged into any storm or sanitary drain(s), immediate action shall be initiated to intercept the discharge by blocking the sewer line

discharging to the municipal sewer system, by blocking or damming up any storm water conduit or drainage ditch to keep any oil(s) from leaving the property.

4. Discharges Other Than Petroleum Based Oil

A. Chemicals, Hazardous Substance, and Hazardous Waste Spills

Note: The site's strategy with respect to hazardous chemical and hazardous waste spill is to limit site personnel response to those spills identified as incidental spills under OSHA's Hazardous Waste and Emergency Response (HAZWOPER; 29 CFR 1910.120) Standard. See the attached flow chart on Figure #1 for visual depiction of this strategy.

A spill of any of the below listed substances which leaves the property and exceeds the quantity listed, must be reported to the agencies listed in Section 5.0 of the Plan.

Substance	Reportable Quantity
Oils, including Skydrol or Mil Oil	**Any Amount**
Acetic Acid	5,000 lbs.
Aluminum Sulfate	5,000 lbs.
Chloroform	10 lbs.
Chromic Acid	10 lbs.
Freon 12 (Dichlorodifluoromethane)	5,000 lbs.
Hydrochloric Acid	5,000 lbs.
Methyl ethyl ketone (MEK paints)	**5,000 lbs**
Nitric Acid	1,000 lbs
Phosphoric Acid	5,000 lbs.
Potassium Hydroxide	1,000 lbs.
Sodium Hydroxide	1,000 lbs.
Sodium Hypochlorite	100 lbs.
Sulfuric Acid	1,000 lbs
Trichloroethylene	**100 lbs**

In the event of a spill of any of these or any other hazardous substance or hazardous waste, *no matter how small the quantity, immediate* action shall be taken to contain it and prevent it from getting into the sewer system or leaving the property. The means to be used will depend on the nature of the substance spilled. The general procedure shall be containment by sorbent materials such as sand, rags, mops, squeegees, pumps, sump entrapment, etc. After containment, the substance may be picked up, stored in 55 gallon drums and prepared for disposal in a chemical landfill or incinerated. Acids or bases may be chemically neutralized to a pH consistent with the limits before discharging to a sanitary sewer,

assuming they carry no other risks than corrosivity (e.g., exception, chromic acid contains toxic heavy metal chrome as well as being an acid).

Any slug loads of hazardous materials or materials that would interfere with the transport and treatment of wastewaters by the biological systems of the local POTW must be immediately reported under "slug load notification" requirements.

5. Laboratory Chemicals, Reagents, etc.

A. Hazardous and/or toxic substances or reagents presently stored in the plant or laboratory that are not needed or are no longer used in analytical or other tests should safely be removed from the premises.

- Transfer to other facilities using same.
- Return to the chemicals supplier. Or,
- Dispose in authorized chemical waste landfill or incinerator.

B. In the event of an accidental spill of oils, chemicals, or dangerous waste stored or being used in any laboratory, immediate action shall be taken to block the drains in the slop-sinks, contain, retrieve, and collect as much of the spill as possible for proper disposal. *Do not allow the spill to flow into the sanitary sewer system.* Any slug loads of hazardous materials or materials that would interfere with the transport and treatment of wastewaters by the biological systems of the local POTW must be immediately reported under "slug load notification" requirements.

C. In the transferring of such materials, a receipt shall be obtained from the authorized receiving parties indicating amounts, concentration(s), dated, names and addresses, license numbers, etc. Receipts shall be kept on file in the plant or laboratory.

Removal and Disposal

1. Spill Response Equipment Available:

Internal Resources: Spill equipment is designed for incidental spills. For a list of equipment which is available on site for neutralizing and/or absorbing spills or releases, see **Attachment # 1 ("Incidental Spill Response Equipment List")**.

External Resources: Spill equipment available from the local Fire Department HAZMAT team will be that which is normally kept on Yakima Fire Department HAZMAT response vehicles.

2. Removal and Pick-Up

1. OILS

A. ***"Incidental spills" of oil*** shall be covered with absorbents and then picked up with shovels by plant personnel, at the direction of the Emergency Coordinator. All debris is to be placed into open-top 55 gallon drums ***with*** covers ready for disposal.

B. ***Larger spills of oil, above "incidental spill" levels*** will require outside assistance for pick up and removal. For assistance, see "Contractor" section in Section 5.0 for assistance.

C. ***Waste Oil*** shall be picked up for disposal only by approved oil handlers (e.g., Emerald Services, Inc.), as approved by the site EHS Manager.

2. HAZARDOUS MATERIALS & HAZARDOUS WASTE

A. ***Spills of "Incidental Spill" levels of Hazardous Materials or Hazardous Wastes*** shall be (neutralized, if corrosive and then) picked up with sorbent materials and stored in polyethylene lined drums with covers and held ready for disposal.

B. ***Larger Spills of Hazardous Materials or Hazardous Waste, above "incidental spill" levels*** will require outside assistance for pick up and removal. For assistance, see "Contractor" section in Section 5.0 for assistance.

C. ***Hazardous Waste*** shall be picked up for disposal only by approved hazardous waste transporters and disposal sites, as approved by the site EHS Manager.

3. Disposal

Disposal of all spilled substances and/or contaminated debris shall be ***only*** in approved according to current applicable USEPA, WA and Yakima County regulations.

4. Restoration of Environment

The facility shall commit all of its resources to ensure that all spill sites are returned to their original condition. A documented follow-up inspection of all spill sites shall be performed by the plant Environmental Coordinator. A report shall be submitted to the facility manager listing any discrepancies and any plans to rectify any problems listed.

SPILL ACTION SUMMARY SHEET
SPCC PLAN
GE AVIATION YAKIMA

In the event of a spill occurrence, the following actions are to be taken:

1. Immediately implement the Spill Prevention Control and Countermeasure Plan (SPCC Plan) that is on file at your plant.

2. Notify your site Emergency Coordinator (EC) immediately; the EC will notify appropriate environmental agencies (if spill leaves the premises). Persons to contact are listed in the SPCC Plan. (An incident report for use as a guide when reporting follows this document.)

3. Initiate and maintain a "log of events." Logged information would include:

   a) Assessment of pre-spill site condition,

   b) **date** and **time** of spill (as accurately as possible),

   c) substance involved (composition if available),

   d) estimated volume or weight of substance spilled,

   e) names of persons contacted, time contacted and substance of conversation,

   f) record of spill control and countermeasures taken.

4. **If the spill leaves GE Aviation property**, the following additional actions should be taken and included in the "log:"

   a) Notify appropriate environmental agencies,

   b) Photographs of spill site during spill control operations,

   c) Photographs at completion of spill clean up,

   d) Photographs after final site inspection by regulatory agencies (when applicable),

   e) Include name and address of photographer on each photograph.

All photographs should be dated and kept on file at the plant along with the "log." The photographs are of considerable value should claims for damages develop at a later date.

Prepare and Keep on File the following report form.

To: **Site Spill Files** - GE Aviation Yakima

From: _____ _____
(Name) (Facility)

Date: _____

Subject: NAME INTERNAL SPILL INCIDENT REPORT
Complete the day after spill occurs.

INSTRUCTIONS TO FACILITY ENVIRONMENTAL COORDINATOR:

Describe the incident, include all facts relating to cause of incident, stopping, containing and clean-up of spill, and contacts/conversations with outside agencies.

INCIDENT DATE: _____ **and TIME:**_____

AGENCY REPORT DATE: _____**and TIME:**_____

CONTROLLING REGULATORY AGENCY: _____

CASE NUMBER: _____

MANAGER IN CHARGE AT SCENE: _____**PHONE:**_____

SUBSTANCE SPILLED:_____**APPROX. GAL:** _____

Was the spill contained on facility premises? _____

What was the volume of spilled material which left Name property?_____

Was the spill contained on an asphalt or concrete paved area? _____

BRIEFLY DESCRIBE:
How was it discovered?:

Extent of actual or potential water pollution:

Nearest body of water or tributary and distance:

Did any part of spill enter sanitary sewer system, or storm drainage system (including pipes or ditches) on- or off-site?

Note: Spill Team will re-evaluate any Spill event to the SPCC Plan procedures one day after the event.

cc: Plant Manager

Site Incidental Spill Response Equipment Kits

Kit Contents

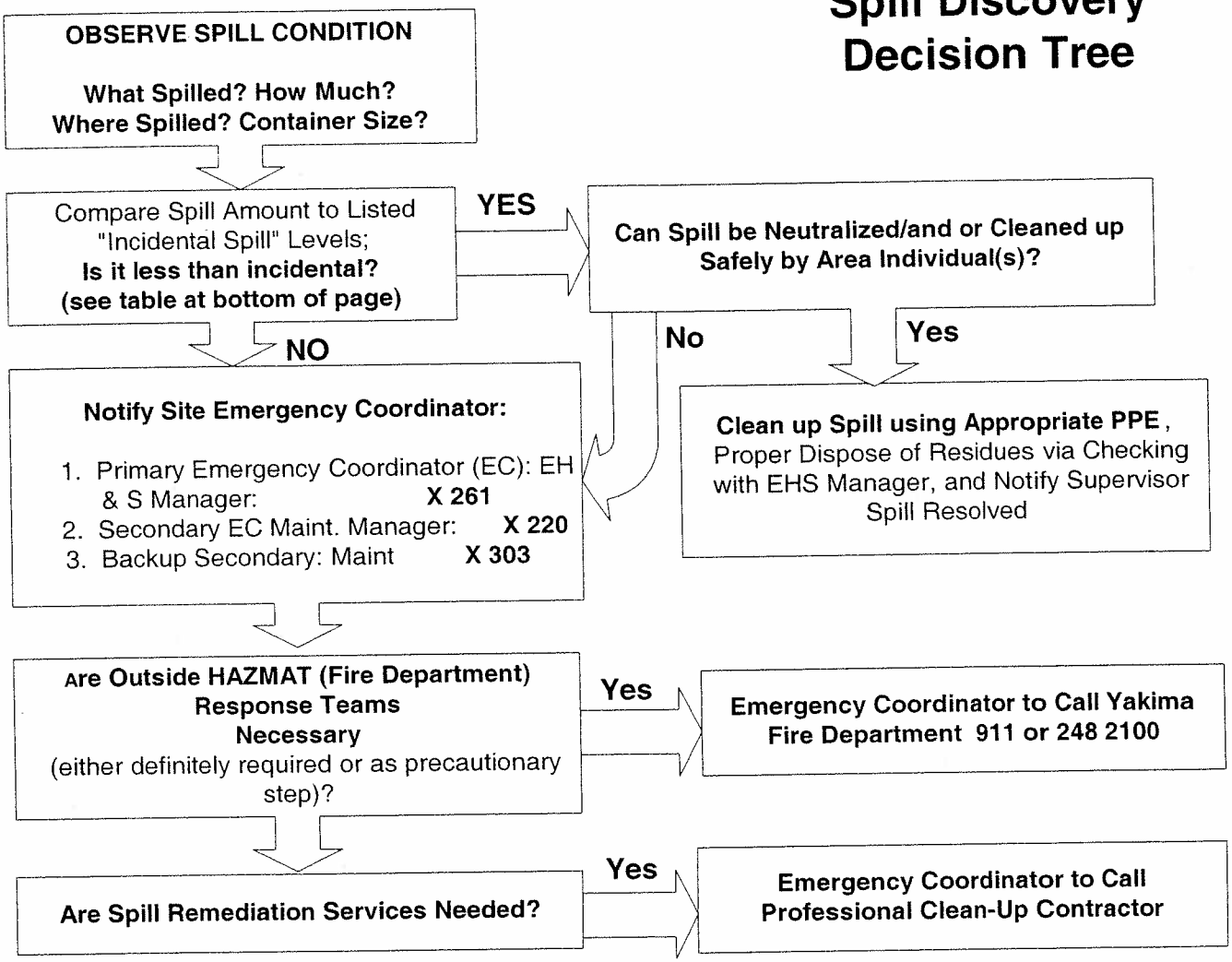
1 ea. - 65 gallon overpak drum
10 ea. - 48 inch absorbent socks
6 ea. - 10 foot absorbent socks
6 ea. - Absorbent pillows
40 ea. - Absorbent pads
6 ea. - Disposal bags & ties
6 ea. - Tamper-proof labels
1 ea. - North American Emergency Response Guidebook
1 ea. - Instruction manual
2 ea. - Tyvek coveralls (WPL699 - without hood and boots)
2 ea. - Tyvek coveralls (WP L670 - with hood and boots)
2 ea. - Butyl rubber gloves
2 ea. - Eye protective goggles
10 ea. - Dust masks

Spill Kit absorbs approximately 40 gallons

Note: Replacement of any items used to clean up a spill will be replaced immediately after use. A member of the Incidental Spill Response Team will verify a complete inventory once per quarter.

Dowty Aerospace Yakima, WA

Attachment 2 - "Spill Discovery" Decision Tree



HAZARDOUS MATERIAL	"INCIDENTAL SPILL" LEVEL
Trichloroethylene	10 gallons
Flammable Solvents	5 gallon
Non-Flammable Solvents	10 gallons
Liquid Paints	15 gallons
Oil and Lubricants (including skydrol)	15 gallons
Strong Acids	0 (always call Emergency Coordinator)
Strong Bases	0 (always call Emergency Coordinator)
Battery Acid	1 quart (always call Emergency Coordinator)
Water Based Coolants	20 gallons
Hazardous Waste	0 (always call Emergency Coordinator)

February 8, 2008

Washington State Department of Ecology
Central Regional Office
15 West Yakima Avenue
Suite 200
Yakima, WA 98902

Dear Mr. Robert Swackhammer:

Enclosed please find a final Site Assessment Engineering Report prepared following GE Aviation's discovery and reporting of a minor release of heavy, petroleum-based cooling oil used at our facility.

As supported by the results set forth in the enclosed Report, GE Aviation believes that it has removed the soil that was affected by the cooling oil. As a result, GE Aviation respectfully requests confirmation of closure of this matter so that it may proceed with the installation of a new state-of-the-art emulsion collection system.

We thank you for your cooperation on this matter.

Sincerely,

Daryl Robins

cc: James Sumner, GE Aviation

March 5, 2008

Mr. Bob Swackhamer
Toxics Cleanup Program
Washington Department of Ecology -
Central Regional Office
15 W. Yakima Avenue, Suite 200
Yakima, WA 98605

Re: Lubricating Oil Remediation
GE Aviation
2720 West Washington Avenue
Yakima, WA

Dear Mr. Swackhamer:

We write to thank Ecology for its guidance during our remediation of the underground storage tank area at the above-referenced site, and to advise that GE Aviation ("GE") declines to participate in the Voluntary Cleanup Program at this time.

GE's decision is based on the remedial and investigative activities completed by GE to date. As shown by the enclosed Site Assessment Engineering Report [the Site Assessment Engineering Report] submitted on 2/20/2008, GE has completely removed the underground storage tank, associated accessories, and all soil impacted by the lubrication oil carried and stored by the tank and accessories. Analysis of soil and groundwater shows that any remaining constituents in soil are below residential [the most stringent] action limits, and that substances not used by GE have impacted that groundwater. Further, should GE engage in upgradient groundwater investigative activities as Ecology suggests, access and business-related issues would inhibit GE from freely performing investigative activities.

Again, GE appreciates Ecology's assistance on this matter. If we can provide any additional information, please advise. Otherwise, GE deems this matter concluded.

Sincerely,

Daryl Robins
Manager, Environmental Affairs
GE Aviation
Yakima

DEPT OF ECOLOGY
Received
MAR 05 2008
CENTRAL REGIONAL OFFICE

Working with you for a better Washington

Robert D. Swackhamer, P.E.
Toxics Cleanup Program

Department of Ecology
Central Regional Office
15 W Yakima Ave, Ste 200
Yakima, WA 98902

509/454-7840
FAX 509/575-2809
rswa461@ecy.wa.gov

MARK DUNBAR - VCP PROGRAM

PLSA ENGINEERING & SURVEYING

BRADLEY J. CARD, P.E.
DOUG KUHN, P.E.
LOUIE W. WISHERT, JR., PLS
RICHARD L. WEHR, PLS

February 15, 2008

Mr. Daryl Robins
GE Aviation
P.O. Box 9907
Yakima, WA 98909-0907

Re: Site Assessment Engineering Report

Dear Mr. Robins:

Three copies of our Site Assessment Engineering report on the cooling oil release at the GE Aviation plant at 2720 West Washington Avenue, Yakima, Washington are enclosed. It appears the remaining residual petroleum contamination could not originate from your operations.

Thank you for allowing us to have been of service.

Sincerely,

Brad Card

Brad Card, P.E.
Principal Engineer

BC:jc
Enclosure
cc Ken Leingang Excavating, Inc.

SIT DOWN MEETING
2/20/08 10:00 AM

Working with you for a better Washington

Valerie Drew
Unit Supervisor
Toxics Cleanup Program

Department of Ecology
Central Regional Office
15 W Yakima Ave, Ste 200
Yakima, WA 98902-3452

509/454-7886
FAX 509/575-2809
vdre461@ecy.wa.gov

2007

Dangerous Waste Site Identification Form

Site ID

Washington State Department of Ecology
Hazardous Waste Information
P.O. Box 47658
Olympia, WA 98504-7658
(800) 874-2022 (within state)
(360) 407-6170
Web site: www.ecy.wa.gov/programs/hwtr

For Ecology Use Only	Date Received:		
Form	Reviewed	Entered	Verified
Site ID			
GM			
WR			
OI			

1. Reason for Submittal

- ☐ To provide **New** Notification of Regulated Waste Activity (complete entire form)
- ☐ To provide **Revised** Site Identification information (complete entire form)
- ☐ To **Withdraw** Site Identification Number (skip sections 10 and 11)
- ☐ To **Reactivate** Site Identification Number (complete entire form) Effective Date: 12/31/2007
- ☒ A component of the **Dangerous Waste Annual Report** (skip section 11) Reporting Year: 2007

2. RCRA Site ID Number: WAD009266511

3. Site Location Information

Company Name: GE Aviation LLC Yakima
Site Address: 2720 W Washington Ave
City/State/Zip: Yakima, WA 98903
County: YAKIMA
Tax Registration Number: 601722581
NAICS Code: 33641
Type of Business: Aerospace Mfg.

4. Company Mailing Address

Name: GE Aviation LLC, Daryl Robins
Mail Address: PO Box 9907
City/State/Zip: Yakima, WA 98903
Country: UNITED STATES

5. Legal Owner

Name: GE Aviation LLC
Mail Address: PO Box 9907
City/State/Zip: Yakima, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Owner Since: 07/01/2001
Owner Type: ☐ Federal ☐ State ☐ County ☐ Municipal ☐ District ☒ Private ☐ Tribal ☐ Other

6. Land Owner

Name: GE Aviation LLC
Mail Address: PO Box 9907
City/State/Zip: Yakima, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Owner Type: ☐ Federal ☐ State ☐ County ☐ Municipal ☐ District ☒ Private ☐ Tribal Land ☐ Puyallup Trust ☐ Other

Dangerous Waste Site Identification Form (continued)

Site ID
RCRA Site ID Number: WAD009266511

7. Site Operator

Name: GE Aviation LLC, Daryl Robins
Mail Address: PO Box 9907
City/State/Zip: YAKIMA, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Operator Since: 06/26/1996
Operator Type: ☐ Federal ☐ State ☐ County ☐ Municipal ☐ District ☒ Private ☐ Tribal ☐ Other

8. Site Contact

Name: Daryl Robins, Enviromental Affairs Mgr
Mail Address: PO Box 9907
City/State/Zip: YAKIMA, WA 98903
Phone Number (Ext): (509)248-5000, ext 26
Email Address: Daryl.Robins@ge.com

9. Form Contact

Name: Daryl Robins, Enviromental Affairs Mgr
Mail Address: PO Box 9907
City/State/Zip: YAKIMA, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Email Address: Daryl.Robins@ge.com

10. Type of Regulated Waste Activity (Mark the appropriate boxes for activities that apply

A. Dangerous Waste Activities

1. Generator of Dangerous Waste
(Choose only one of the following four categories)
- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☒ b.MQG: Medium Quantity Generator (Between 20-2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☐ d. XQG: No Regulated Waste Generated

2. Frequency of Generation
(Choose only one of the following three types)
- ☒ a. Monthly
- ☐ b. Batch
- ☐ c. One-time only

3. Transporter of Dangerous Waste
- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste**
(i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**
☐ **6. Permit-by-Rule (PBR)**
☐ **7. Treatment-by-Generator (TBG)**
☐ **8. Generator of Mixed Radioactive Waste**
☐ **9. Importer of Dangerous Waste**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility**
(Note: a RCRA Permit is required for this activity)

☐ **11. Immediate Recycler of Off-Site Waste**
(within 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity
- ☐ a. Generator of dangerous waste fuel
- ☐ b. Generator marketing to burner
- ☐ c. Other marketers (i.e., blender, distributor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (specify):

Dangerous Waste Site Identification Form (continued)

Site ID
RCRA Site ID Number: WAD009266511

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(Mark all boxes that apply)

	Generate	Accumulate
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**
(Note: A RCRA Permit is required for this activity)

C. Used Oil Activities

1. Off-specification used oil burner Indicate type(s) of combustion devices
☐ a. Utility Boiler
☐ b. Industrial Boiler
☐ c. Industrial Furnace

2. Used oil transporter - Indicate type(s) of activity(s)
☐ a. Transporter
☐ b. Transfer Facility

3.Used oil processor/re-refiner - Indicate type(s) of activity(s)
☐ a. Process
☐ b. Re-refine

4. Used Oil Fuel Marketer
☐ a. Directs shipment of used oil to used oil burner
☐ b. First claims the used oil meets the specifications

11. Description of Dangerous Wastes

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc.)

B. Waste Codes for State Regulated (i.e., non-Federal) Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc.)

12. Comments

13. Certification

This form cannot be processed without a signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accruate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Daryl Robins
Signature

JAN 08, 2007
Date

DARYL ROBINS
Name (print or type)

EHS MANAGER
Title

If you have special accommodation needs or require this document in an alternative format, please contact the Hazardous Waste and Toxics Reduction Program at 1-800-833-6388 (TTY) or quick dial 711-833-6388 (TTY).

14. Electronic Submittals

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

Robins, Daryl (GE Infra, Aviation)

From: turbowaste@ecy.wa.gov
Sent: Wednesday, February 06, 2008 7:55 AM
To: Robins, Daryl (GE Infra, Aviation)
Subject: TurboWaste.Net Annual Report Receipt Confirmation

Your Dangerous Waste Annual Report has been received electronically by the Department of Ecology. It passed the basic data quality checks and has been locked for your security.

RCRA Site ID Number: WAD009266511

Reporting Year: 2007

Date Received: 2/6/2008

Site Name: GE Aviation LLC Yakima

Site Address:
2720 W Washington Ave

Yakima, WA 98903

If you submitted an Annual Report Site ID Form that was checked as revise or withdrawal you will receive an additional confirmation email.

If you have any questions, please call us at (800) 874-2022 or (360) 407-6170 or email us at turbowaste@ecy.wa.gov .

Thank you for using TurboWaste.Net.

Hazardous Waste and Toxics Reduction Program Department of Ecology State of Washington

Reporting Year: **2007**

Annual Dangerous Waste Submission Report - Print Version

Regulatory Status Summary

X	Medium Quantity Generator		Importer of Hazardous Waste
	Transporter of Hazardous Waste		Operated as a permitted TSDR Facility
	On-Site Waste Recycler		Recycled waste from other businesses within a 24-hour period
	Operated as a Transfer Facility		Conducted Dangerous Waste Fuel Activity
	Generated Permit-By-Rule Waste Waters		Conducted Universal Waste Activity
	Treated waste under Treatment-By-Generator guidance		Conducted Used Oil Management
	Generated Mixed Radioactive Waste		

GM Waste Summary — Total Waste Generation: 6,005.00 Pounds

Top Five GM Waste Streams

Seq.	Waste Description	Origin	Pounds On-Site	Pounds Off-Site	Pounds Total
20	paper towels contaminated with acetone	Recurrent	0	1900	1,900.00
11	paint / solvent	Recurrent	0	1290	1,290.00
21	Trichloroethylene and water	Recurrent	0	670.1359412	670.14
22	Waste Solid Strip Media (Sandblast Grit)	Recurrent	0	550	550.00
24	PAINT BOOTH FILTERS	Recurrent	0	500	500.00

WR Waste Summary (for TSDR reporting) — Total Waste Received: 0.00 Pounds

Top Five WR Waste Streams

Seq.	Waste Description	Pounds Total

Off-Site Identification Form

OI - 2007

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your off-site identification facilities.

Please complete this form if your facility received dangerous waste from off-site or shipped dangerous waste off-site during the year.

Please type or print legibly in blue or black ink.

Please Enter:
Your RCRA Site ID Number: WAD009266511
Site Name: GE Aviation LLC Yakima

For Ecology Use Only:
Date Received: _____

RCRA Site ID Number: ARD069748192
Name: CLEAN HARBORS(ENSCO)
Address: 309 AMERICAN CIRCLE
City/State/Zip/Country: EL DORADO, AR 71730 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

RCRA Site ID Number: IND000646943
Name: POLLUTION CONTROL INDUSTRIES INC
Address: 4343 KENNEDY AVE
City/State/Zip/Country: EAST CHICAGO, IN 46312 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

RCRA Site ID Number: MOD095038998
Name: TRI STATE MOTOR TRANSIT CO
Address:
City/State/Zip/Country: JOPLIN, MO 64870 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☒ Transporter ☐ TSDR ☐ Special Waste

RCRA Site ID Number: ORD089452353
Name: CHEMICAL WASTE MANAGEMENT OF THE NW
Address: 17629 CEDAR SPRINGS LN
City/State/Zip/Country: ARLINGTON, OR 97812 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

RCRA Site ID Number: UTD981552425
Name: SLT EXPRESS
Address: 176 WEST CENTRAL AVE
City/State/Zip/Country: MURRAY, UT 84107 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☒ Transporter ☐ TSDR ☐ Special Waste

Off-Site Identification Form (continued)

OI - 2007

RCRA Site ID Number: WAD009266511

RCRA Site ID Number: WAD981769110
Name: EMERALD SERVICES INC ALEXANDER AVE
Address: 1825 ALEXANDER AVE
City/State/Zip/Country: TACOMA, WA 98421 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

RCRA Site ID Number: WAD991281767
Name: BURLINGTON ENVIRONMENTAL INC KENT
Address: 20245 77TH AVE S
City/State/Zip/Country: KENT, WA 980321386 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

RCRA Site ID Number: WAH000012450
Name: ENVIROTECH SYSTEMS INC 121ST ST SW
Address: 3601 121ST ST SW
City/State/Zip/Country: LYNNWOOD, WA 98037 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☒ Transporter ☐ TSDR ☐ Special Waste

Generation and Management Form

GM - 2007

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 1

A-1. 242385LF **(optional)**

A-2. waste solvent isopar

A-3. D001

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G06

A-8. W203

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 55.00 ☐ Tons ☐ Pounds ☐ Kilograms ☒ Gallons

B-1.a. 7.50 ☒ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
IND000646943	H061	55.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
03/14/2007	001324477JJK		IND000646943	55.00	H061

C. Comments

A-7 Isopar is used as a parts cleaner and rust inhibitor

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 11

A-1. 242380LF (optional)

A-2. paint / solvent

A-3. D001 D007 D008 D035 F003 F005

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G06

A-8. W209

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 172.00 ☐ Tons ☐ Pounds ☐ Kilograms ☒ Gallons

B-1.a. 7.50 ☒ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
IND000646943	H061	172.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/25/2007	001324126JJK		IND000646943	55.00	H061
04/26/2007	001323287JJK		IND000646943	55.00	H061
08/23/2007	001419410JJK		IND000646943	7.00	H061
10/11/2007	001419039JJK		IND000646943	55.00	H061

C. Comments

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 16

A-1. CU3039 **(optional)**

A-2. paint booth filters

A-3. D007

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G06

A-8. W310

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 55.00 ☐ Tons ☐ Pounds ☐ Kilograms ☒ Gallons

B-1.a. 7.50 ☒ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
ORD089452353	..112	55.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/25/2007	001324127JJK		ORD089452353	55.00	H112

C. Comments

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 20

A-1. 242387RH1 **(optional)**

A-2. paper towels contaminated with acetone

A-3. F003

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G09

A-8. W002

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 1900.00 ☐ Tons ☒ Pounds ☐ Kilograms ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
IND000646943	H020	1,900.00	35.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/25/2007	001324126JJK		IND000646943	200.00	H020
03/14/2007	001324477JJK		IND000646943	250.00	H020
04/26/2007	001323287JJK		IND000646943	200.00	H020
06/01/2007	001323547JJK		IND000646943	250.00	H020
07/19/2007	001323883JJK		IND000646943	200.00	H020
08/16/2007	001323978JJK		IND000646943	100.00	H020
08/23/2007	001419410JJK		IND000646943	100.00	H020
10/11/2007	001419039JJK		IND000646943	300.00	H020
11/16/2007	000270820FLE		IND000646943	300.00	H020

C. Comments

A-7 acetone is used to clean sealant from nameplates after installation using paper towels.

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 21

A-1. 50010990 **(optional)**

A-2. Trichloroethylene and water

A-3. D040 F001

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G01

A-8. W202

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 55.00 ☐ Tons ☐ Pounds ☐ Kilograms ☒ Gallons

B-1.a. 1.46 ☐ Lbs/gal ☒ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
ARD069748192	H040	55.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/25/2007	001324128JJK		ARD069748192	55.00	H040

C. Comments

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 22

A-1. CU3038 **(optional)**

A-2. Waste Solid Strip Media (Sandblast Grit)

A-3. D006 D007

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G19

A-8. W319

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 550.00 ☐ Tons ☒ Pounds ☐ Kilograms ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
ORD089452353	H111	550.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
04/26/2007	001323288JJK		ORD089452353	250.00	H111
08/16/2007	001419364JJK		ORD089452353	300.00	H111

C. Comments

Waste Solid Strip Media (Sandblast Grit) with inorganic heavy metals. Generating process - media blasting to strip paint off equipment.

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 23

A-1. 30587SDS **(optional)**

A-2. RAGS AND WIPES WITH ACETONE

A-3. D001 F003		**A-4.**
A-5. ☐ EHW ☒ DW	**A-6.** ☒ No ☐ Yes	**A-7.** G09
A-8. W002	**A-9.** ☒ i ☐ ii ☐ iii ☐ iv ☐ v **A-9.a.**	

B. Waste Management Activities

B-1. 260.00 ☐ Tons ☒ Pounds ☐ Kilograms ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00	**B-3.a.** ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
WAD981769110	H020	260.00	35.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
12/26/2007	001415621JJK		WAD981769110	260.00	H020

C. Comments

A-7 acetone is used to clean sealant from nameplates after installation using paper towels.

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 24

A-1. CU3038 **(optional)**

A-2. PAINT BOOTH FILTERS

A-3. D009

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G06

A-8. W310

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 500.00 ☐ Tons ☒ Pounds ☐ grams ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
ORD089452353	H112	500.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
03/14/2007	001324478JJK		ORD089452353	100.00	H112
07/19/2007	001323884JJK		ORD089452353	100.00	H112
10/11/2007	001419040JJK		ORD089452353	100.00	H112
12/26/2007	001415681JJK		ORD089452353	200.00	H112

C. Comments

Generation and Management Form

GM - 2007

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 25

A-1. ETS 8AD 05 **(optional)**

A-2. LAB PACK ACID - FERRIC CHLORIDE SOLUTIONS

A-3. D002		**A-4.**
A-5. ☐ EHW ☒ DW	**A-6.** ☒ No ☐ Yes	**A-7.** G04
A-8. W101	**A-9.** ☐ i ☒ ii ☐ iii ☐ iv ☐ v **A-9.a.**	

B. Waste Management Activities

B-1. 10.00 ☐ Tons ☒ Pounds ☐ Kilograms ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00	**B-3.a.** ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
WAD991281767	H141	10.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
07/19/2007	001323759JJK		WAD991281767	10.00	H141

C. Comments

SMITHS AEROSPACE MANIFEST TRACKING SYSTEM FOR REPORTING YEAR 2007

HAZARDOUS WASTE MANIFEST #	NON-HAZ WASTE MANIFEST #	DATE SHIPPED	INITIAL TRANSPORTER	DESIGNATED RECEIVING FACILITY	ADDITIONAL DOCUMENTATION FILED			
					CONTINUATION SHEET	LDR FORM	WASTE PROFILE	WORK ORDER
	90443	1/25/07	ENVIROTECH	BURLINGTON ENVIRO	N/A		YES	YES
	90444	1/25/07	ENVIROTECH	WENATCHEE LANDFILL	N/A		YES	YES
	90445	1/25/07	ENVIROTECH	SPOKANE REGIONAL	N/A		YES	YES
1324126		1/25/07	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
1324127		1/25/07	ENVIROTECH	CHEMICAL WASTE	N/A		YES	YES
1324128		1/25/2007	ENVIROTECH	ESCO CLEAN HRBOR	N/A		YES	YES
	33558	1/25/07	ENVIROTECH	ECOLIGHTS	N/A		YES	YES
	92540	2/15/07	ENVIROTECH	BURLINGTON ENVIRO	N/A		YES	YES
	92541	2/15/07	ENVIROTECH	WENATCHEE LANDFILL	N/A		YES	YES
	97013	3/14/07	ENVIROTECH	WENATCHEE LANDFILL	N/A		YES	YES
	97014	3/14/07	ENVIROTECH	SPOKANE REGIONAL	N/A		YES	YES
1324477		3/14/07	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
1324478		3/14/07	ENVIROTECH	CHEMICAL WASTE	N/A		YES	YES
	33568	3/14/07	ENVIROTECH	ECOLIGHTS	N/A		YES	YES
	97012	3/1/07	ENVIROTECH	BURLINGTON ENVIRO	N/A		YES	YES
11320		4/5/07	ENVIROTECH	ASKO PROCESSING	N/A		YES	YES
	13562	4/26/07	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
1323287		4/26/07	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
1323288		4/26/07	ENVIROTECH	CHEMICAL WASTE	N/A		YES	YES
Y	23236	4/26/07	ENVIROTECH	ECOLIGHT	N/A		YES	YES
	18791	6/1/07	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
	18792	6/1/07	ENVIROTECH	ECOLIGHT	N/A		YES	YES
18793		6/1/07	ENVIROTECH	INTERSTATE BATTERY	N/A		YES	YES
	1323547	6/001/07	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
1323759		7/19/07	ENVIROTECH	BURLINGTON ENVIRO	N/A		YES	YES
1323883		7/19/07	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
1323884		7/19/07	ENVIROTECH	CHEMICAL WASTE	N/A		YES	YES
	28805	7/19/07	ENVIROTECH	EMERALD RECYCLING	N/A		YES	YES
	28806	7/19/07	ENVIROTECH	ECOLIGHT	N/A		YES	YES
	11427 / 04431	8/16/07	ENVIROTECH	ECOLIGHT	N/A		YES	YES
	4430	8/16/07	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
	56960	8/16/07	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
1323978		8/16/07	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
1419364		8/16/07	ENVIROTECH	CHEMICAL WASTE	N/A		YES	YES
	112885	8/23/07	ENVIROTECH	SPOKANE REGIONAL	N/A		YES	YES
	1018	8/23/07	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
1419410		8/23/2007	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES

1419039		10/11/2007	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
1419040		10/11/2007	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
	113814	10/11/2007	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
	41261	11/10/2007	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
	70563	11/16/2007	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
	70566	11/16/2007	ENVIROTECH	ECOLIGHT	N/A		YES	YES
270820		11/16/2007	ENVIROTECH	POLLUTION CONTROL	N/A		YES	YES
	75976	12/26/2007	ENVIROTECH	EMERALD SERVICES	N/A		YES	YES
1415681		12/26/2007	ENVIROTECH	CHEMICAL WASTE	N/A		YES	YES
1415621		12/26/2007	ENVIROTECH	EMERALD RECYCLIIG	N/A		YES	YES

	ORINGINAL MANIFEST COPY STATUS		
DATE LINE 30 DAYS MARK	WITH IN 30 DAYS: ORIGINAL COPY RECEIVED & FILED	35 DAYS: TRANSPORTER OR FACILITY CONTACTED	WITH IN 45 DAYS: EXCEPTION REPORT SUBMITTED TO DOE
02/24/07	YES		
02/24/07	YES		
02/24/07	YES		
02/24/07	YES		
02/24/07	YES		
02/24/07	YES		
03/17/07	YES		
03/17/07	YES		
04/13/07	YES		
04/13/07	YES		
04/13/07	YES		
04/13/07	YES		
04/13/07	YES		
04/13/07	YES		
03/31/07	YES		
05/26/07	YES		
05/26/07	YES		
05/26/07	YES		
05/26/07	YES		
05/26/07	YES		
07/01/07	YES		
07/01/07	YES		
07/01/07	YES		
01/30/00	YES		
08/18/07	YES		
08/18/07	YES		
08/18/07	YES		
08/18/07	YES		
08/18/07	YES		
09/15/07	YES		
09/15/07	YES		
09/15/07	YES		
09/15/07	YES		
09/15/07	YES		
09/22/07	YES		
09/22/07	YES		
09/22/07	YES		

11/10/07	YES		
11/10/07	YES		
11/10/07	YES		
12/10/07	YES		
12/16/07	YES		
12/16/07	YES		
12/16/07	YES		
01/25/08	YES		
01/25/08	YES		
01/25/08	YES		
01/30/00			
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01/30/00			
01/30/00			

2008

Dangerous Waste Site Identification Form

Site ID

Washington State Department of Ecology
Hazardous Waste Information
P.O. Box 47658
Olympia, WA 98504-7658
(800) 874-2022 (within state)
(360) 407-6170

Web site: www.ecy.wa.gov/programs/hwtr

For Ecology Use Only	Date Received:		
Form	Reviewed	Entered	Verified
Site ID			
GM			
WR			
OI			

1. Reason for Submittal

- ☐ To provide **New** Notification of Regulated Waste Activity (complete entire form)
- ☐ To provide **Revised** Site Identification information (complete entire form)
- ☐ To **Withdraw** Site Identification Number (skip sections 10 and 11)
- ☐ To **Reactivate** Site Identification Number (complete entire form) Effective Date: 12/31/2008
- ☒ A component of the **Dangerous Waste Annual Report** (skip section 11) Reporting Year: 2008

2. RCRA Site ID Number: WAD009266511

3. Site Location Information

Company Name: GE Aviation LLC Yakima
Site Address: 2720 W Washington Ave
City/State/Zip: Yakima, WA 98903
County: YAKIMA
Tax Registration Number: 601722581
NAICS Code: 33641
Type of Business: Aerospace Mfg.

4. Company Mailing Address

Name: GE Aviation LLC, Daryl Robins
Mail Address: PO Box 9907
City/State/Zip: Yakima, WA 98903
Country: UNITED STATES

5. Legal Owner

Name: GE Aviation LLC
Mail Address: PO Box 9907
City/State/Zip: Yakima, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Owner Since: 07/01/2001
Owner Type: ☐ Federal ☐ State ☐ County ☐ Municipal ☐ District ☒ Private ☐ Tribal ☐ Other

6. Land Owner

Name: GE Aviation LLC
Mail Address: PO Box 9907
City/State/Zip: Yakima, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Owner Type: ☐ Federal ☐ State ☐ County ☐ Municipal ☐ District ☒ Private ☐ Tribal Land ☐ Puyallup Trust ☐ Other

Dangerous Waste Site Identification Form (continued)

Site ID

RCRA Site ID Number: WAD009266511

7. Site Operator

Name: GE Aviation LLC, Daryl Robins
Mail Address: PO Box 9907
City/State/Zip: YAKIMA, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Operator Since: 05/02/2007
Operator Type: ☐ Federal ☐ State ☐ County ☐ Municipal ☐ District ☒ Private ☐ Tribal ☐ Other

8. Site Contact

Name: Daryl Robins, Enviromental Affairs Mgr
Mail Address: PO Box 9907
City/State/Zip: YAKIMA, WA 98903
Phone Number (Ext): (509)248-5000, ext 26
Email Address: Daryl.Robins@ge.com

9. Form Contact

Name: Daryl Robins, Enviromental Affairs Mgr
Mail Address: PO Box 9907
City/State/Zip: YAKIMA, WA 98903
Phone Number (Ext): (509)248-5000, ext 261
Email Address: Daryl.Robins@ge.com

10. Type of Regulated Waste Activity (Mark the appropriate boxes for activities that apply

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

(Choose only one of the following four categories)

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☒ b.MQG: Medium Quantity Generator (Between 20-2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☐ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

(Choose only one of the following three types)

- ☒ a. Monthly
- ☐ b. Batch
- ☐ c. One-time only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste**
(i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.**
(Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site**
(Regulated under the State Dangerous Waste Regulations - WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of dangerous waste fuel
- ☐ b. Generator marketing to burner
- ☐ c. Other marketers (i.e., blender, distributor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (specify):

Dangerous Waste Site Identification Form (continued)

Site ID	
RCRA Site ID Number:	WAD009266511

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste (Mark all boxes that apply)

	Generate	Accumulate
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**
(Note: A RCRA Permit is required for this activity)

C. Used Oil Activities

1. Off-specification used oil burner Indicate type(s) of combustion devices
- ☐ a. Utility Boiler
- ☐ b. Industrial Boiler
- ☐ c. Industrial Furnace

2. Used oil transporter - Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3.Used oil processor/re-refiner - Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claims the used oil meets the specifications

11. Description of Dangerous Wastes

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc.)

D001, D040, D007, D006, F003, F005, D035

B. Waste Codes for State Regulated (i.e., non-Federal) Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc.)

12. Comments

13. Certification

This form cannot be processed without a signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

JAN 29, 2009
Date

DARYL ROBINS
Name (print or type)

EHS MANAGER
Title

If you have special accommodation needs or require this document in an alternative format, please contact the Hazardous Waste and Toxics Reduction Program at 1-800-833-6388 (TTY) or quick dial 711-833-6388 (TTY).

14. Electronic Submittals

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

Reporting Year: **2008**

Annual Dangerous Waste Submission Report - Print Version

Regulatory Status Summary

X	Medium Quantity Generator		Importer of Hazardous Waste
	Transporter of Hazardous Waste		Operated as a permitted TSDR Facility
	On-Site Waste Recycler		Recycled waste from other businesses within a 24-hour period
	Operated as a Transfer Facility		Conducted Dangerous Waste Fuel Activity
	Generated Permit-By-Rule Waste Waters		Conducted Universal Waste Activity
	Treated waste under Treatment-By-Generator guidance		Conducted Used Oil Management
	Generated Mixed Radioactive Waste		

GM Waste Summary — Total Waste Generation: 4,245.00 Pounds

Top Five GM Waste Streams

Seq.	Waste Description	Origin	Pounds On-Site	Pounds Off-Site	Pounds Total
11	paint / solvent	Recurrent	0	1200	1,200.00
22	Waste Solid Strip Media (Sandblast Grit)	Recurrent	0	1200	1,200.00
21	Trichloroethylene and water	Recurrent	0	670.1359412	670.14
23	RAGS AND WiPES WITH ACETONE	Recurrent	0	600	600.00
16	paint booth filters	Recurrent	0	575	575.00

WR Waste Summary (for TSDR reporting) — Total Waste Received: 0.00 Pounds

Top Five WR Waste Streams

Seq.	Waste Description	Pounds Total

Generation and Management Form

GM - 2008

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 11

A-1. 32939FB **(optional)**

A-2. paint / solvent

A-3. D001 D007 D035 F003 F005

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G06

A-8. W209

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 160.00 ☐ Tons ☐ Pounds ☐ Kilograms ☒ Gallons

B-1.a. 7.50 ☒ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
WAD981769110	H050	50.00	0.00
WAD981769110	H061	110.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
04/17/2008	001745114FLE		WAD981769110	55.00	H061
05/22/2008	001740002FLE		WAD981769110	50.00	H050
10/02/2008	002261560FLE		WAD981769110	55.00	H061

C. Comments

Generation and Management Form

GM - 2008

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 16

A-1. CU3039 **(optional)**

A-2. paint booth filters

A-3. D007

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G06

A-8. W310

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 575.00 ☐ Tons ☒ Pounds ☐ Kilograms ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
ORD089452353	H112	575.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/21/2008	001740659FLE		ORD089452353	200.00	H112
03/06/2008	001739612FLE		ORD089452353	150.00	H112
05/22/2008	001740005FLE		ORD089452353	100.00	H112
11/13/2008	002261994FLE		ORD089452353	125.00	H112

C. Comments

Generation and Management Form

GM - 2008

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 21

A-1. 50010990 **(optional)**

A-2. Trichloroethylene and water

A-3. D040 F001

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G01

A-8. W202

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 55.00 ☐ Tons ☐ Pounds ☐ Kilograms ☒ Gallons

B-1.a. 1.46 ☐ Lbs/gal ☒ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
UTD981552177	H040	55.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/31/2008	0017406588FL		UTD981552177	55.00	H040

C. Comments

Generation and Management Form

GM - 2008

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 22

A-1. CU3038 **(optional)**

A-2. Waste Solid Strip Media (Sandblast Grit)

A-3. D006 D007

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G19

A-8. W319

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 1200.00 ☐ Tons ☒ Pounds ☐ Kilograms ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
ORD089452353	H111	1,200.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/21/2008	001740659FLE		ORD089452353	500.00	H111
07/30/2008	001746706FLE		ORD089452353	700.00	H111

C. Comments

Waste Solid Strip Media (Sandblast Grit) with inorganic heavy metals. Generating process - media blasting to strip paint off equipment.

Generation and Management Form

GM - 2008

RCRA Site ID Number: WAD009266511

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Then complete one answer sheet for each waste stream.

Reference the instructions on pages 21 through 30 as you complete this form.

Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: **WAD009266511**

Site Name: **GE Aviation LLC Yakima**

For Ecology Use Only:

Date Received: _____

A. Description of Dangerous Waste Stream

Sequence: 23

A-1. 30587SDS **(optional)**

A-2. RAGS AND WIPES WITH ACETONE

A-3. D001 F003

A-4.

A-5. ☐ EHW ☒ DW

A-6. ☒ No ☐ Yes

A-7. G09

A-8. W002

A-9. ☒ i ☐ ii ☐ iii ☐ iv ☐ v

A-9.a.

B. Waste Management Activities

B-1. 600.00 ☐ Tons ☒ Pounds ☐ Kilograms ☐ Gallons

B-1.a. 0.00 ☐ Lbs/gal ☐ Specific gravity

B-2. ☐ On-site ☒ Off-site ☐ Both

B-3. 0.00

B-3.a. ☒ No ☐ Yes

B-4.

i. Designated Facility (TSDR)	ii. Management Code	iii. Quantity	iv. Recycling Percent
WAD981769110	H020	600.00	0.00

B-5.

i. Date Shipped (mm/dd/yyyy)	ii. Manifest Document Number	iii. Internal Tracking Code	iv. Designated Facility (TSDR)	v. Quantity	vi. Management Code
01/31/2008	001740721FLE		WAD981769110	200.00	H020
03/06/2008	001739611FLE		WAD981769110	200.00	H020
04/17/2008	0017451114FL		WAD981769110	200.00	H020

C. Comments

A-7 acetone is used to clean sealant from nameplates after installation using paper towels.

Off-Site Identification Form

OI - 2008

Please enter your RCRA Site ID number and your site name in the small box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your off-site identification facilities.

Please complete this form if your facility received dangerous waste from off-site or shipped dangerous waste off-site during the year.

Please type or print legibly in blue or black ink.

Please Enter:
Your RCRA Site ID Number: WAD009266511
Site Name: GE Aviation LLC Yakima

For Ecology Use Only: _____
Date Received: _____

RCRA Site ID Number: MOD095038998
Name: TRI STATE MOTOR TRANSIT CO
Address:
City/State/Zip/Country: JOPLIN, MO 64870 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☒ Transporter ☐ TSDR ☐ Special Waste

RCRA Site ID Number: ORD089452353
Name: CHEMICAL WASTE MANAGEMENT OF THE NW
Address: 17629 CEDAR SPRINGS LN
City/State/Zip/Country: ARLINGTON, OR 97812 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

RCRA Site ID Number: UTD981552177
Name: CLEAN HARBORS ARAGONITE LLC
Address: 11600 NORTH APTUS ROAD
City/State/Zip/Country: ARAGONITE, UT 84029 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

RCRA Site ID Number: UTD981552425
Name: SLT EXPRESS
Address: 176 WEST CENTRAL AVE
City/State/Zip/Country: MURRAY, UT 84107 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☒ Transporter ☐ TSDR ☐ Special Waste

RCRA Site ID Number: WAD981769110
Name: EMERALD SERVICES INC ALEXANDER AVE
Address: 1825 ALEXANDER AVE
City/State/Zip/Country: TACOMA, WA 98421 UNITED STATES
Comments:
Handler Type: (Check all that apply) ☐ Generator ☐ Transporter ☒ TSDR ☐ Special Waste

Off-Site Identification Form (continued)

OI - 2008

RCRA Site ID Number: WAD009266511

RCRA Site ID Number: WAH000012450

Name: ENVIROTECH SYSTEMS INC 121ST ST SW

Address: 3601 121ST ST SW

City/State/Zip/Country: LYNNWOOD, WA 98037 UNITED STATES

Comments:

Handler Type: (Check all that apply) ☐ Generator ☒ Transporter ☐ TSDR ☐ Special Waste

LANDAU ASSOCIATES

August 14, 2007

GE Aviation (formerly Smiths Aerospace – Yakima)
2720 West Washington Street
Yakima, Washington 98903

Attn: Mr. Daryl Robins

RE: ASBESTOS-CONTAINING MATERIAL/LEAD-BASED PAINT SURVEY RESULTS
2720 WEST WASHINGTON STREET
YAKIMA, WASHINGTON 98903

Dear Mr. Robins:

Landau Associates is pleased to provide the asbestos-containing materials (ACM) and lead-based paint (LBP) survey results for the property located at 2720 West Washington Street (subject property) in Yakima, Washington. The subject property is developed with a machine shop building that includes an upstairs office area. The building was constructed in 1968 and is approximately 100,000 square feet (ft^2) in size. The ACM and LBP survey was conducted to support due diligence efforts by Smiths Aerospace, as requested by GE Aviation.

On July 11, 2007, Ms. Evalyn Albright and Ms. Elizabeth Poole, Environmental Protection Agency (EPA)-Accredited Building Inspectors, conducted an inspection for suspect ACM and LBP at the subject property. Samples of suspect ACM were collected from accessible areas and submitted for analysis to NVL Laboratories in Seattle, Washington. LBP samples were analyzed on site using an X-Ray Fluorescence (XRF) instrument.

REGULATORY COMPLIANCE

Asbestos

The intent of an asbestos survey is to comply with governing asbestos regulations required by the State of Washington and the EPA. Currently, the State of Washington requires a written "good faith effort" for identification of ACM (i.e., a survey of building materials for possible ACM) prior to any remodeling or demolition work. Prior to any demolition and construction work, it is the responsibility of the owner and the contractors to make the survey results available to all parties who may be handling the building materials.

In addition, the Washington State Department of Labor and Industries requires that a copy of the written asbestos survey report be made available on site for inspection by the State Control Officer during construction and demolition work. The survey is required to be performed in accordance with the Asbestos Hazard and Emergency Response Act (AHERA) 40 CFR 763.86. These federal standards require inspections to be conducted by an EPA-Accredited Building Inspector with analysis to be provided by an asbestos laboratory certified by the National Bureau of Standards. The Landau Associates survey of the subject property was conducted in compliance with these standards.

Lead

Worker and environmental protection requirements apply to all construction activities that may disturb any LPB. Worker exposure, public health, and waste characterization are issues of concern when working with LPB during building demolition. When workers may be exposed to lead, it is the employer's responsibility to ensure that work practices are in accordance Washington Administrative Code (WAC) 296-155-176. The owner should ensure that the general public will not have access to the property during demolition activities.

SAMPLING AND ANALYSIS

Asbestos

The purpose of this survey was to document the quantity and location of building materials that contain asbestos (plaster walls, ceiling tiles, flooring, etc). The building roof, crawl spaces, and inaccessible areas were not inspected as part of this survey. This survey was conducted in accordance with the AHERA sampling protocol. The protocol is listed as follows:

- Group materials into homogeneous sampling areas.
- Quantify each homogeneous sampling area and collect samples from each area using the "3-5-7" criteria for surfacing material to determine the number of samples needed.
- Samples of each material were taken to the substrate, ensuring that all components of the material were included.
- Sampling was performed by a Certified Building Inspector using proper protective equipment and procedures.

Samples were collected using a clean knife or chisel to penetrate all layers of each material. At least 1 tablespoon of each material was collected for analysis and placed in a Ziploc bag labeled with the site location and sample identification number. Discrete sample locations were selected to avoid damaging the work area. Respirators were donned and the sampling area was sprayed with water when

potentially friable materials were being sampled. All sampling equipment was wiped clean between sample locations. Following sample collection, a sample description and an estimated quantity of the suspect ACM was recorded.

The bulk samples were submitted to NVL Laboratories for analysis using polarized light microscopy (PLM) with dispersion staining in accordance with EPA Method 600R-93/116. For samples containing more than one separable layer of material, the laboratory report includes findings for each layer. The asbestos concentration in the sample is determined by visual estimation.

For samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as a point count (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. Point counting was not conducted for this asbestos survey but can be conducted if requested by GE Aviation.

Lead

The purpose of LBP sampling was to document the location of coatings that contain lead and the percentage of lead in those coatings. Sampling was conducted using an Innov-X Systems Model 2000 Portable XRF Analyzer at selected locations. The XRF was placed in contact with the suspect material at each sample location and the analysis was run for 3 minutes.

SURVEY RESULTS

A total of 60 samples of suspect ACM was collected. A summary of the sample descriptions and the analytical results is provided in Table 1, and a summary of the detected ACM is provided in Table 2. Three types of ACM were detected in the lunchroom at the subject property:

- Approximately 15 ft^2 of 2 percent chrysotile asbestos was detected in flooring with mastic (sample ID SA-003 and SA-013). The chrysotile asbestos was detected in the floor tile layer, but was not detected in the mastic. This material is located between the floor tiles and the wall in the lunchroom, and is predominantly underneath the molding.

- Approximately 1,800 ft^2 of 2 percent chrysotile asbestos was detected in 1 x 1 ft floor tiles (SA-004 and SA-006). The chrysotile asbestos was detected in the floor tile layer, but was not detected in the mastic. In addition, less than 1 percent chrysotile asbestos was detected in a compacted powdery material located underneath the floor tiles in sample SA-004.

- Approximately 60 ft^2 of less than 1 percent chrysotile asbestos was detected in dark brown molding with mastic (SA-005). The chrysotile asbestos was detected in a compacted powdery material located behind the molding. No asbestos was detected in the molding or mastic.

Asbestos was not detected in any of the remaining samples taken from the subject property.

A total of 22 samples was analyzed for lead. The samples represent multiple locations throughout the office area and factory floor. Lead was detected in two paint samples collected from the building. The concentrations were 0.39 and 0.13 milligrams per centimeter squared (mg/cm^2), which are below the abatement level of 1.0 mg/cm^2. Based on the results of this survey, no special precautions regarding lead will be needed during renovation or demolition of the building, and demolition and renovation debris may be disposed of as general construction debris relative to lead content.

CONCLUSIONS AND RECOMMENDATIONS

Asbestos

The three types of ACM that were detected in the lunchroom at the subject property should be removed and disposed of in accordance with Washington State regulations prior to any demolition, renovation, or remodeling that would disturb these materials. The Washington State Department of Labor and Industries requires that abatement be conducted by Certified Asbestos Workers under the direct onsite supervision of a Certified Asbestos Supervisor.

Lead

Based on the results of the LBP survey, no special precautions are required in the event of any demolition, renovation, or remodeling activities. Demolition and renovation debris may be disposed of as general construction debris relative to lead content.

* * * * *

Thank you for giving Landau Associates the opportunity to assist you with this project. If you have any questions regarding the survey or if you need additional information, please contact us at (425) 778-0907.

LANDAU ASSOCIATES, INC.

Elizabeth M. Poole
Staff Scientist

Evalyn I. Albright
Project Scientist

Timothy L. Syverson, L.G.
Senior Associate Geologist

EMP/EIA/TLS/ccy

Attachments: Table 1: Results of Asbestos-Containing Materials Survey
Table 2: Summary of Detected Asbestos-Containing Materials
Attachment 1: Laboratory Analytical Results
Attachment 2: Building Inspector Accreditation

TABLE 1
RESULTS OF ASBESTOS-CONTAINING MATERIALS SURVEY
GE AVIATION - YAKIMA, WASHINGTON

Sample ID	Sample Location	Material Description	Condition	Estimated Amount	Asbestos Content	Friability
SA-001	Lunchroom	2x4 ft ceiling tiles, white, 0.0625 inch to 0.25 inch indentations	Good	1,800 ft^2	No asbestos detected	Friable
SA-002	Lunchroom	2x4 ft ceiling tiles, white, 0.0625 inch to 1 inch indentations	Good	1 tile	No asbestos detected	Friable
SA-003	Lunchroom	Flooring with mastic, 1 inch border, white, under molding	Good	15 ft^2	**2% Chrysotile**	Non-friable
SA-004	Lunchroom	1x1 ft floor tiles, off-white with tan specks	Good	1,800 ft^2	**2% Chrysotile**	Non-friable
SA-005	Lunchroom	Molding, dark brown with mastic	Good	60 ft^2	**<1% Chrysotile**	Non-friable
SA-006	Lunchroom	1x1 ft floor tiles, off-white with tan specks	Good	1,800 ft^2	**2% Chrysotile**	Non-friable
SA-007	Lunchroom	Molding, dark brown with mastic	Good	60 ft^2	No asbestos detected	Non-friable
SA-008	Lunchroom	2x1 ft ceiling tile, yellow	Good	1 tile	No asbestos detected	Non-friable
SA-009	Lunchroom	Wallboard	Good	1,500 ft^2	No asbestos detected	Non-friable
SA-010	Lunchroom	Countertop and backsplash, peach	Good	20 ft^2	No asbestos detected	Non-friable
SA-011	Lunchroom	Countertop and backsplash, peach	Good	20 ft^2	No asbestos detected	Non-friable
SA-012	Computer room	2x4 ft ceiling tiles, white, 0.0625 inch to 1 inch indentations	Good	4 tiles	No asbestos detected	Friable
SA-013	Lunchroom	Flooring with mastic, 1 inch border, white, under molding	Good	15 ft^2	**2% Chrysotile**	Non-friable
SA-014	Lunchroom	Countertop, white	Good	8 ft^2	No asbestos detected	Non-friable
SA-015	Outside lunchroom in hallway by cubicles	1x1 ft ceiling tiles, white	Poor	300 ft^2	No asbestos detected	Non-friable
SA-016	Outside lunchroom in hallway by cubicles	Molding, gray with mastic	Good	85 ft^2	No asbestos detected	Non-friable
SA-017	Outside lunchroom in hallway by cubicles	Carpet mastic, from gray-blue carpeting	Good	6,000 ft^2	No asbestos detected	Non-friable
SA-018	Storage room	2x4 ft ceiling tiles, yellow-brown stained	Damaged	336 ft^2	No asbestos detected	Friable
SA-019	Storeroom	Molding, light gray with mastic	Good	17 ft^2	No asbestos detected	Non-friable

TABLE 1
RESULTS OF ASBESTOS-CONTAINING MATERIALS SURVEY
GE AVIATION - YAKIMA, WASHINGTON

Sample ID	Sample Location	Material Description	Condition	Estimated Amount	Asbestos Content	Friability
SA-020	Storeroom	Molding, light gray with mastic	Good	17 ft^2	No asbestos detected	Non-friable
SA-021	Stairwell	1x1 ft ceiling tiles, painted white	Good	140 ft^2	No asbestos detected	Non-friable
SA-022	Stairwell	Ceiling material, covered by 1x1 ft tiles	Unknown	Unknown	No asbestos detected	Friable
SA-023	Stairwell	1x1 ft floor tiles with mastic, tan, gray, white	Good	21 ft^2	No asbestos detected	Non-friable
SA-024	Cubicle area outside lunchroom (near Daryl's office)	Molding, gray with mastic	Good	85 ft^2	No asbestos detected	Non-friable
SA-025	Cubicle area outside lunchroom (near Daryl's office)	Carpet mastic, from gray-blue carpeting	Good	6,000 ft^2	No asbestos detected	Non-friable
SA-026	South stairwell	1x1 ft floor tiles with mastic, tan, gray, white	Good	143 ft^2	No asbestos detected	Non-friable
SA-027	South stairwell	1x1 ft ceiling tiles, painted white	Good	140 ft^2	No asbestos detected	Non-friable
SA-028	South stairwell	Ceiling material, covered by 1x1 ft tiles	Unknown	Unknown	No asbestos detected	Friable
SA-029	South stairwell	Linoleum and mastic, brown speckled	Good	72 ft^2	No asbestos detected	Non-friable
SA-030	South stairwell	Molding, with mastic, brown kickplates	Good	62 ft^2	No asbestos detected	Non-friable
SA-031	Outside PBX room	2x4 ft ceiling tiles, white, 0.0625 inch to 0.25 inch indentations	Good	Throughout offices	No asbestos detected	Friable
SA-032	Womens bathroom #1	Wallboard	Good	Throughout offices	No asbestos detected	Non-friable
SA-033	Womens bathroom #1	Molding with mastic, tan	Good	66 ft^2	No asbestos detected	Non-friable
SA-034	Womens bathroom #1	Molding with mastic, tan	Good	66 ft^2	No asbestos detected	Non-friable
SA-035	Womens bathroom #1	2x2 inch ceramic floor tile, tan, with mastic	Good	320 ft^2	No asbestos detected	Non-friable
SA-036	Womens bathroom #1	Countertop	Good	10 ft^2	No asbestos detected	Non-friable

TABLE 1
RESULTS OF ASBESTOS-CONTAINING MATERIALS SURVEY
GE AVIATION - YAKIMA, WASHINGTON

Sample ID	Sample Location	Material Description	Condition	Estimated Amount	Asbestos Content	Friability
SA-200	Womens bathroom #1	Caulking	Good	Around 2 sinks	No asbestos detected	Non-friable
SA-037	Meeting room B-1	Carpet mastic, mottled color, from gray-blue carpeting	Good	Throughout newer portion of building	No asbestos detected	Non-friable
SA-038	Boardroom	2x2 ft ceiling tiles, white	Good	468 ft^2	No asbestos detected	Friable
SA-039	Boardroom	2x2 ft ceiling tiles, white	Good	468 ft^2	No asbestos detected	Friable
SA-040	East stairwell	Flooring with mastic, gray/white mottled color	Good	28 ft^2	No asbestos detected	Non-friable
SA-041	East stairwell	Kickplate, gray	Good	48 ft^2	No asbestos detected	Non-friable
SA-042	East stairwell	Carpet mastic, mottled color, from gray-blue carpeting	Good	Throughout newer portion of upstairs offices	No asbestos detected	Non-friable
SA-043	East stairwell (downstairs)	Molding with mastic, tan	OK	40 ft^2	No asbestos detected	Non-friable
SA-044	East stairwell (downstairs)	Carpet mastic, striped box carpeting	Poor	330 ft^2	No asbestos detected	Non-friable
SA-045	Outside storeroom	Wallboard	Good	Throughout	No asbestos detected	Non-friable
SA-046	Southeast stairwell	Kickplate, gray	Good	48 ft^2	No asbestos detected	Non-friable
SA-047	Southeast stairwell	Flooring with mastic, gray/white mottled color	Good	28 ft^2	No asbestos detected	Non-friable
SA-048	Southeast stairwell	Carpet mastic, bright blue	Good	75 ft^2	No asbestos detected	Non-friable
SA-049	Southeast stairwell	Molding with mastic, tan	OK	8 ft^2	No asbestos detected	Non-friable
SA-050	Womens bathroom #2	Linoleum, blue	Good	36 ft^2	No asbestos detected	Non-friable
SA-051	Stairwell	Linoleum and mastic, brown speckled	Good	72 ft^2	No asbestos detected	Non-friable
SA-052	Stairwell	Molding, with mastic, brown kickplates	Good	386 ft^2	No asbestos detected	Non-friable
SA-053	Outside tool grinding area	Molding, gray with mastic	Good	100 ft	No asbestos detected	Non-friable

TABLE 1
RESULTS OF ASBESTOS-CONTAINING MATERIALS SURVEY
GE AVIATION - YAKIMA, WASHINGTON

Sample ID	Sample Location	Material Description	Condition	Estimated Amount	Asbestos Content	Friability
SA-054	Tool grinding area	Masonite ceiling	Good	Throughout factory floor	No asbestos detected	Non-friable
SA-055	Outside tool crib	Molding, gray with mastic	Good	33 ft^2	No asbestos detected	Non-friable
SA-056	Outside downstairs womens bathroom	Molding, light gray	Good	Throughout downstairs office area	No asbestos detected	Non-friable
SA-057	Tool grinding area	Masonite ceiling	Good	Throughout factory floor	No asbestos detected	Non-friable
SA-058	Engine mill test	Wallboard	Good	Throughout factory	No asbestos detected	Non-friable
SA-059	Offices next to engine test mill	2x4 ft ceiling tile, new	Good	608 ft^2	No asbestos detected	Friable
SA-060	Shipping	Window caulking/sealant	Good	Around windows	No asbestos detected	Non-friable

Samples analyzed by NVL Laboratories, Seattle, Washington, batch #2710623, using EPA Method 600R-93/116.

TABLE 2
SUMMARY OF DETECTED ASBESTOS-CONTAINING MATERIALS
GE AVIATION - YAKIMA, WASHINGTON

Sample	Layer	Description	Material(s)	Asbestos Content
SA-003: Lunchroom flooring with mastic, 1 inch border, white, under molding				
	Layer 1	Gray debris	Fine particles, mastic/binder, cellulose, synthetic fibers	No asbestos detected
	Layer 2	**Beige tile**	**Vinyl/binder, mineral grains**	**2% Chrysotile**
	Layer 3	Black asphaltic mastic	Asphalt/binder, 2% cellulose	No asbestos detected
	Layer 4	Off-white compacted powdery material	Calcareous particles, 4% cellulose	No asbestos detected
SA-004: 1x1 ft lunchroom floor tiles, off-white with tan specks				
	Layer 1	Gray debris	Fine particles, mastic/binder, paint, cellulose, hair	No asbestos detected
	Layer 2	**Beige tile**	**Vinyl/binder, mineral grains**	**2% Chrysotile**
	Layer 3	Black asphaltic mastic	Asphalt/binder, 2% cellulose	No asbestos detected
	Layer 4	**Trace off-white compacted powdery material**	**Calcareous particles**	**<1% Chrysotile**
SA-005: Lunchroom molding, dark brown with mastic				
	Layer 1	Trace white compacted powdery material	Caulking compound, perlite	No asbestos detected
	Layer 2	Brown rubbery material	Calcareous particles, rubber/binder	No asbestos detected
	Layer 3	Tan soft mastic	Mastic/binder	No asbestos detected
	Layer 4	**Trace off-white compacted powdery material with paint**	**Calcareous particles, paint**	**<1% Chrysotile**
SA-006: 1x1 ft lunchroom floor tiles, off-white with tan specks				
	Layer 1	**Beige tile**	**Vinyl/binder, mineral grains**	**2% Chrysotile**
	Layer 2	Black asphaltic mastic	Asphalt/binder, 3% cellulose	No asbestos detected

TABLE 2
SUMMARY OF DETECTED ASBESTOS-CONTAINING MATERIALS
GE AVIATION - YAKIMA, WASHINGTON

Sample	Layer	Description	Material(s)	Asbestos Content
SA-013: Lunchroom flooring with mastic, 1 inch border, white, under molding				
	Layer 1	Trace brown brittle mastic	Mastic/binder	No asbestos detected
	Layer 2	Gray debris	Fine particles, mastic/binder, cellulose, glass fibers, synthetic fibers, spider silk	No asbestos detected
	Layer 3	**Beige tile**	**Vinyl/binder, mineral grains**	**2% Chrysotile**
	Layer 4	Black asphaltic mastic	Asphalt/binder, 2% cellulose	No asbestos detected

Samples analyzed by NVL Laboratories, Seattle, Washington, batch #2710623, using EPA Method 600R-93/116.

July 20, 2007

RECEIVED
JUL 31
LANDAU ASSOCIATES, INC

NVL LABS
HAZARDOUS MATERIALS SERVICES

Elizabeth Poole
Landau Associates
130 2nd Avenue South
Edmonds, WA 98020

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 2710623.00

Dear Mrs. Poole,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA/600/R-93/116 Test Method.

NVLAP
Lab Code:102063

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

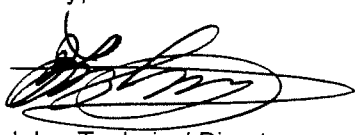
For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,



Nick Ly, Technical Director

Enc.: Sample Results

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Lab ID: 27071269 **Client Sample #: SA-001**
Location: Yakima

Layer 1 of 1	**Description:** Light gray compressed fibrous material with white coating		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Perlite	Cellulose 48%	**None Detected ND**
		Glass fibers 5%	

Lab ID: 27071270 **Client Sample #: SA-002**
Location: Yakima

Layer 1 of 1	**Description:** Light gray compressed fibrous material with white coating		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Perlite	Cellulose 62%	**None Detected ND**

Lab ID: 27071271 **Client Sample #: SA-003**
Location: Yakima
Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this layer 1

Layer 1 of 4	**Description:** Gray debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Mastic/binder	Cellulose	**None Detected ND**
		Synthetic fibers	
Layer 2 of 4	**Description:** Beige tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/binder, Mineral grains	None Detected ND	**Chrysotile 2%**
Layer 3 of 4	**Description:** Black asphaltic mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/binder	Cellulose 2%	**None Detected ND**
Layer 4 of 4	**Description:** Off-white compacted powdery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles	Cellulose 4%	**Chrysotile 2%**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Lab ID: 27071272 **Client Sample #: SA-004**
Location: Yakima
Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this layer 1

Layer 1 of 4	**Description:** Gray debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Mastic/binder, Paint	Cellulose	**None Detected ND**
		Synthetic fibers	
		Hair	
Layer 2 of 4	**Description:** Beige tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/binder, Mineral grains	None Detected ND	**Chrysotile 2%**
Layer 3 of 4	**Description:** Black asphaltic mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/binder	Cellulose 2%	**None Detected ND**
Layer 4 of 4	**Description:** Trace off-white compacted powdery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles	None Detected ND	**Chrysotile <1%**

Lab ID: 27071273 **Client Sample #: SA-005**
Location: Yakima

Layer 1 of 4	**Description:** Trace white compacted powdery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Caulking compound, Perlite	None Detected ND	**None Detected ND**
Layer 2 of 4	**Description:** Brown rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 3 of 4	**Description:** Tan soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**
Layer 4 of 4	**Description:** Trace off-white compacted powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Paint	None Detected ND	**Chrysotile <1%**

Lab ID: 27071274 **Client Sample #: SA-006**
Location: Yakima

Layer 1 of 2	**Description:** Beige tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/binder, Mineral grains	None Detected ND	**Chrysotile 2%**
Layer 2 of 2	**Description:** Black asphaltic mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/binder	Cellulose 3%	**None Detected ND**

Lab ID: 27071275 **Client Sample #: SA-007**
Location: Yakima

Layer 1 of 3	**Description:** Brown rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Brown brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**
Layer 3 of 3	**Description:** Trace white compacted powdery material with white paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Perlite, Paint	None Detected ND	**None Detected ND**

Lab ID: 27071276 **Client Sample #: SA-008**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 1	**Description:** Light gray compressed fibrous material with white paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Paint, Glass beads	Glass fibers 65%	**None Detected ND**

Lab ID: 27071277 **Client Sample #: SA-009**
Location: Yakima

Layer 1 of 1	**Description:** Off-white chalky material with paper and paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/binder, Paint	Cellulose 12%	**None Detected ND**

Lab ID: 27071278 **Client Sample #: SA-010**
Location: Yakima

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with peach surface		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler	Cellulose 95%	**None Detected ND**
Layer 2 of 2	**Description:** Tan soft mastic (on wood)		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder, Paint	None Detected ND	**None Detected ND**

Lab ID: 27071279 **Client Sample #: SA-011**
Location: Yakima

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with peach surface		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Paint	Cellulose 97%	**None Detected ND**
Layer 2 of 2	**Description:** Tan soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071280 **Client Sample #: SA-012**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 1 **Description:** Light gray compressed fibrous material with white paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Paint, Glass beads	Glass fibers 65%	**None Detected ND**

Lab ID: 27071281 **Client Sample #: SA-013**
Location: Yakima

Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this layer 2.

Layer 1 of 4 **Description:** Trace brown brittle mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Mastic/binder	None Detected ND	**None Detected ND**

Layer 2 of 4 **Description:** Gray debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Mastic/binder	Cellulose	**None Detected ND**
	Glass fibers	
	Synthetic fibers	
	Spider silk	

Layer 3 of 4 **Description:** Beige tile

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/binder, Mineral grains	None Detected ND	**Chrysotile 2%**

Layer 4 of 4 **Description:** Black asphaltic mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/binder	Cellulose 2%	**None Detected ND**

Lab ID: 27071282 **Client Sample #: SA-014**
Location: Yakima

Layer 1 of 2 **Description:** Brown flat hard compressed fibrous material with white surface

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Cellulose 97%	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 2 of 2	**Description:** Tan soft mastic (on wood)		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071283 **Client Sample #: SA-015**
Location: Yakima

Layer 1 of 1	**Description:** Beige compressed fibrous material with white paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Paint	Cellulose 97%	**None Detected ND**

Lab ID: 27071284 **Client Sample #: SA-016**
Location: Yakima

Layer 1 of 4	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 4	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	None Detected ND	**None Detected ND**
Layer 3 of 4	**Description:** Brown brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Wollastonite 2%	**None Detected ND**
Layer 4 of 4	**Description:** White paint (on wood)		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Paint	None Detected ND	**None Detected ND**

Lab ID: 27071285 **Client Sample #: SA-017**
Location: Yakima

Layer 1 of 2	**Description:** Tan soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Synthetic fibers 1%	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 2 of 2	**Description:** White chalky material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/binder	Cellulose 2%	**None Detected ND**

Lab ID: 27071286 **Client Sample #: SA-018**
Location: Yakima

Layer 1 of 1	**Description:** Light gray compressed fibrous material with white paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Paint	Glass fibers 55%	**None Detected ND**
	Glass beads		

Lab ID: 27071287 **Client Sample #: SA-019**
Location: Yakima

Layer 1 of 4	**Description:** Light gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 4	**Description:** Gold soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**
Layer 3 of 4	**Description:** Cream brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	None Detected ND	**None Detected ND**
Layer 4 of 4	**Description:** Brown brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Wollastonite 1%	**None Detected ND**
		Talc fibers 2%	

Lab ID: 27071288 **Client Sample #: SA-020**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick ~~Ly, Technical Director~~

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 5	**Description:** Light gray rubbery material Non-Fibrous Materials: Calcareous particles, Rubber/binder	Other Fibrous Materials:% None Detected ND	**Asbestos Type: %** **None Detected ND**
Layer 2 of 5	**Description:** Gold soft mastic Non-Fibrous Materials: Mastic/binder	Other Fibrous Materials:% None Detected ND	**Asbestos Type: %** **None Detected ND**
Layer 3 of 5	**Description:** Cream soft mastic Non-Fibrous Materials: Calcareous particles, Mastic/binder	Other Fibrous Materials:% None Detected ND	**Asbestos Type: %** **None Detected ND**
Layer 4 of 5	**Description:** Tan brittle mastic Non-Fibrous Materials: Mastic/binder	Other Fibrous Materials:% None Detected ND	**Asbestos Type: %** **None Detected ND**
Layer 5 of 5	**Description:** Tan fibrous material with paint Non-Fibrous Materials: Fine particles, Paint	Other Fibrous Materials:% Cellulose 72%	**Asbestos Type: %** **None Detected ND**

Lab ID: 27071289 **Client Sample #: SA-021**
Location: Yakima

Layer 1 of 2	**Description:** Tan compressed fibrous material with white paint Non-Fibrous Materials: Fine particles, Binder/Filler, Paint	Other Fibrous Materials:% Cellulose 97%	**Asbestos Type: %** **None Detected ND**
Layer 2 of 2	**Description:** Trace white chalky material with paper Non-Fibrous Materials: Gypsum/binder	Other Fibrous Materials:% Cellulose 10%	**Asbestos Type: %** **None Detected ND**

Lab ID: 27071290 **Client Sample #: SA-022**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 1	**Description:** Off-white chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Gypsum/binder	Cellulose 8%	**None Detected ND**

Lab ID: 27071291 **Client Sample #: SA-023**
Location: Yakima

Layer 1 of 2	**Description:** Light gray tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Vinyl/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Yellow soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071292 **Client Sample #: SA-024**
Location: Yakima

Layer 1 of 4	**Description:** Light gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 4	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	None Detected ND	**None Detected ND**
Layer 3 of 4	**Description:** Brown brittle mastic with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder, Paint	None Detected ND	**None Detected ND**
Layer 4 of 4	**Description:** Off-white compacted powdery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles	None Detected ND	**None Detected ND**

Lab ID: 27071293 **Client Sample #: SA-025**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: **Mrs. Elizabeth Poole**
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 3	**Description:** Tan soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Synthetic fibers 1%	**None Detected ND**
Layer 2 of 3	**Description:** Gray crumbly material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles	None Detected ND	**None Detected ND**
Layer 3 of 3	**Description:** Trace tan brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder, Paint	None Detected ND	**None Detected ND**

Lab ID: 27071294 **Client Sample #: SA-026**
Location: Yakima

Layer 1 of 2	**Description:** Light gray tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Vinyl/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Yellow soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071295 **Client Sample #: SA-027**
Location: Yakima

Layer 1 of 1	**Description:** Tan compressed fibrous material with white paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Paint	Cellulose 97%	**None Detected ND**

Lab ID: 27071296 **Client Sample #: SA-028**
Location: Yakima

Layer 1 of 1	**Description:** Off-white chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/binder	Cellulose 12%	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710623.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Lab ID: 27071297 **Client Sample #: SA-029**
Location: Yakima

Layer 1 of 3	**Description:** Brown tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Vinyl/binder	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Tan soft mastic (on wood)		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**
Layer 3 of 3	**Description:** Brown soft material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler	None Detected ND	**None Detected ND**

Lab ID: 27071298 **Client Sample #: SA-030**
Location: Yakima

Layer 1 of 2	**Description:** Brown tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Vinyl/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Dark brown brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

BATCH ID
2710623.00

Client: Landau Associates
Street: 130 2nd Avenue South
Edmonds, WA 98020
Project Manager: Mrs. Elizabeth Poole
Project Location: YAKIMA

NVL Batch Number:
Client Job Number: 1039001.020.021
Total Samples: 60
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address:

Phone: (425) 778-0907 Fax: (425) 778-6409

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK	
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cn	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		SA001 through		
2		SA-060		
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

VISA $40.00

	Print Below	Sign Below	Company	Date	Time
Sampled by	Elizabeth Poole	Eliz Poole	LA	7/13/07	830
Relinquished by	Eliz Poole	Eliz Poole	LA	7/13/07	830
Received by	Shane Alexander		NVL	7.13.07	830
Analyzed by	A. Researchingers		NVL	8/20/07	11:40a.m.
Results Called by					
Results Faxed by	Mary Pool		NVL	7/20/07	1145

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Special Rate of $14. per Sample ~~Agreed~~ Quoted By Ames

A 07/13/07

NVL LABS
HAZARDOUS MATERIALS SERVICES

July 20, 2007

Elizabeth Poole
Landau Associates
130 2nd Avenue South
Edmonds, WA 98020

RE: Bulk Asbestos Fiber Analysis, NVL Batch # 2710625.00

Dear Mrs. Poole,

Enclosed please find test results for the bulk samples submitted to our laboratory for analysis. Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA/600/R-93/116 Test Method.

NVLAP
Lab Code:102063

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos. If you would like us to further refine the concentration estimates of asbestos in these samples using point counting, please let me know.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample Results

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Lab ID: 27071308 **Client Sample #: SA-031**
Location: Yakima

Layer 1 of 1	**Description:** Off-white compressed fibrous material with white coating			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Binder/Filler, Perlite	Cellulose	48%	**None Detected ND**
		Glass fibers	5%	

Lab ID: 27071309 **Client Sample #: SA-032**
Location: Yakima

Layer 1 of 3	**Description:** Off-white compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Calcareous particles, Paint	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Off-white compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Calcareous particles	Cellulose	5%	**None Detected ND**
Layer 3 of 3	**Description:** Off-white chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Gypsum/binder	Cellulose	12%	**None Detected ND**

Lab ID: 27071310 **Client Sample #: SA-033**
Location: Yakima

Layer 1 of 2	**Description:** Gray rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Brown brittle mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/binder	Wollastonite	3%	**None Detected ND**

Lab ID: 27071311 **Client Sample #: SA-034**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.0
Client Project #: 1039001.020.02
Date Received: 07/13/200
Samples Received: 3
Samples Analyzed: 3
Method: EPA/600R-93/11

Layer 1 of 2	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Brown brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Wollastonite 2%	**None Detected ND**

Lab ID: 27071312 **Client Sample #: SA-035**
Location: Yakima

Layer 1 of 3	**Description:** Off-white ceramic tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/binder	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Light gray brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Mineral grains	None Detected ND	**None Detected ND**
Layer 3 of 3	**Description:** Off-white brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Mineral grains	None Detected ND	**None Detected ND**

Lab ID: 27071313 **Client Sample #: SA-036**
Location: Yakima

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with cream surface		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler	Cellulose 95%	**None Detected ND**
Layer 2 of 2	**Description:** Tan soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071314 **Client Sample #: SA-037**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 2	**Description:** Light gray sandy/brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Mineral grains	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Tan soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Synthetic fibers 2%	**None Detected ND**
		Cellulose 1%	

Lab ID: 27071315 **Client Sample #: SA-038**
Location: Yakima

Layer 1 of 2	**Description:** White powdery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white compressed fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Glass debris	Glass fibers 35%	**None Detected ND**
		Cellulose 4%	

Lab ID: 27071316 **Client Sample #: SA-039**
Location: Yakima

Layer 1 of 2	**Description:** White powdery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white compressed fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Glass debris	Glass fibers 28%	**None Detected ND**
		Cellulose 10%	

Lab ID: 27071317 **Client Sample #: SA-040**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 3	**Description:** Yellow soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Synthetic fibers 2%	**None Detected ND**
Layer 2 of 3	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous binder, Rubber/binder	None Detected ND	**None Detected ND**
Layer 3 of 3	**Description:** Beige soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Cellulose 2%	**None Detected ND**

Lab ID: 27071318 **Client Sample #: SA-041**
Location: Yakima

Layer 1 of 2	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous binder, Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	Cellulose 2%	**None Detected ND**

Lab ID: 27071319 **Client Sample #: SA-042**
Location: Yakima

Layer 1 of 3	**Description:** Gray woven fibrous material with mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Mastic/binder	Synthetic fibers 65%	**None Detected ND**
Layer 2 of 3	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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www.nvllabs.com

NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 3 of 3	**Description:** Tan soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071320 **Client Sample #: SA-043**
Location: Yakima

Layer 1 of 3	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	None Detected ND	**None Detected ND**
Layer 3 of 3	**Description:** Off-white compacted powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Paint	None Detected ND	**None Detected ND**

Lab ID: 27071321 **Client Sample #: SA-044**
Location: Yakima

Layer 1 of 2	**Description:** White woven fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles	Synthetic fibers 35%	**None Detected ND**
Layer 2 of 2	**Description:** Brown soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071322 **Client Sample #: SA-045**
Location: Yakima

Layer 1 of 2	**Description:** Off-white compacted powdery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: **Mrs. Elizabeth Poole**
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 2 of 2	**Description:** Off-white chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/binder	Cellulose 12%	**None Detected ND**

Lab ID: 27071323 **Client Sample #: SA-046**
Location: Yakima

Layer 1 of 2	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071324 **Client Sample #: SA-047**
Location: Yakima

Layer 1 of 2	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Trace brown soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071325 **Client Sample #: SA-048**
Location: Yakima

Layer 1 of 3	**Description:** Light blue soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	Synthetic fibers 3%	**None Detected ND**
Layer 2 of 3	**Description:** Yellow soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 3 of 3	**Description:** Tan brittle mastic (on wood)		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071326 **Client Sample #: SA-049**
Location: Yakima

Layer 1 of 2	**Description:** Gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	Cellulose 2%	**None Detected ND**

Lab ID: 27071327 **Client Sample #: SA-050**
Location: Yakima

Layer 1 of 3	**Description:** Blue linoleum		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Linoleum/binder	Cellulose 22%	**None Detected ND**
Layer 2 of 3	**Description:** Tan woven fibrous backing with brown mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Mastic/binder	Cellulose 35%	**None Detected ND**
Layer 3 of 3	**Description:** Trace off-white chalky material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Gypsum/binder	Cellulose 2%	**None Detected ND**

Lab ID: 27071328 **Client Sample #: SA-051**
Location: Yakima

Layer 1 of 3	**Description:** Black rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 2 of 3	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	None Detected ND	**None Detected ND**
Layer 3 of 3	**Description:** Trace black asphaltic mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/binder	Cellulose 1%	**None Detected ND**

Lab ID: 27071329 **Client Sample #: SA-052**
Location: Yakima

Layer 1 of 2	**Description:** Brown tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Vinyl/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Trace brown brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071330 **Client Sample #: SA-053**
Location: Yakima

Layer 1 of 2	**Description:** Light gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	Cellulose 1%	**None Detected ND**

Lab ID: 27071331 **Client Sample #: SA-054**
Location: Yakima

Layer 1 of 1	**Description:** Tan compressed fibrous material with white paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Binder/Filler, Paint	Cellulose 98%	**None Detected ND**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Lab ID: 27071332 **Client Sample #: SA-055**
Location: Yakima

Layer 1 of 3	**Description:** Light gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 3	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	Cellulose 2%	**None Detected ND**
Layer 3 of 3	**Description:** Trace brown brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071333 **Client Sample #: SA-056**
Location: Yakima

Layer 1 of 2	**Description:** Light gray rubbery material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Rubber/binder	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white soft mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous particles, Mastic/binder	None Detected ND	**None Detected ND**

Lab ID: 27071334 **Client Sample #: SA-057**
Location: Yakima

Layer 1 of 1	**Description:** Tan compressed fibrous material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Fine particles, Paint	Cellulose 98%	**None Detected ND**

Lab ID: 27071335 **Client Sample #: SA-058**
Location: Yakima

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, Technical Director

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NVLAP #102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Landau Associates
Address: 130 2nd Avenue South
Edmonds, WA 98020

Attention: Mrs. Elizabeth Poole
Project Location: Yakima

Batch #: 2710625.00
Client Project #: 1039001.020.021
Date Received: 07/13/2007
Samples Received: 30
Samples Analyzed: 30
Method: EPA/600R-93/116

Layer 1 of 1 **Description:** Off-white chalky material with paper and paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/binder, Paint	Cellulose 18%	**None Detected ND**

Lab ID: 27071336 **Client Sample #: SA-059**
Location: Yakima

Layer 1 of 1 **Description:** Light gray compressed fibrous material with white coating

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Binder/Filler, Perlite	Cellulose 48%	**None Detected ND**
	Glass fibers 4%	

Lab ID: 27071337 **Client Sample #: SA-060**
Location: Yakima

Layer 1 of 1 **Description:** Brown soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Binder/Filler	Cellulose 2%	**Chrysotile 3%**

Sampled by: Client
Analyzed by: Alla Prysyazhnyuk **Date:** 07/20/2007
Reviewed by: Nick Ly **Date:** 07/20/2007

Nick Ly, ~~Technical Director~~

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

BATCH ID **2710625.00**

Client: Landau Associates
Street: 130 2nd Avenue South
Edmonds, WA 98020
Project Manager: Mrs. Elizabeth Poole
Project Location: YAKIMA

NVL Batch Number:
Client Job Number: 103901.020.021
Total Samples: 60
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☒ 5 Days ☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day ☐ 4-Hrs ☐ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address:

Phone: (425) 778-0907 Fax: (425) 778-6409

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II) ☐ Other
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK
☐ Mold/Fungus	☐ Mold Air ☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppl	☐ Dust/wipe (Area)	☐ Paint Chips in cn	☐ Cadmium (Cd)	☐ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify)

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		SA001 through		
2		SA-060		
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

VISA $40.00 SA

	Print Below	Sign Below	Company	Date	Time
Sampled by	Elizabeth Poole	Elizabeth Poole	ZAI	7/13/07	830
Relinquished by	Eliz Poole	Elizabeth Poole	ZAI	7/13/07	830
Received by	Shane Alexander		NVL	7.13.07	830
Analyzed by	H. Rajyaguru/Angel	Angel	NVL	7/20/07	3:30 p.m.
Results Called by					
Results Faxed by	Mary Reed	Mary Reed	NVL	7/20/07	17:40

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

SPECIAL RATE OF $14. PER SAMPLE ~~QUOTED~~ QUOTED BY AMES

07/13/07

Certificate of Completion

This is to certify that

Elizabeth Poole

has satisfactorily completed
4 hours of refresher training as an

Asbestos Building Inspector

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate Number: 916190629

Instructor

EPA Provider Cert. Number: 1085

ARGUS PACIFIC
SAFETY • TRAINING • INDUSTRIAL HYGIENE

Dec 27, 2006
Date(s) of Training

Exam Score:

Expiration Date: Dec 27, 2007

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Certificate of Completion

This is to certify that

Evalyn I. Albright

has satisfactorily completed
4 hours of refresher training as an

Asbestos Building Inspector

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate Number: 1022927

Instructor

EPA Provider Cert. Number: 1085

ARGUS PACIFIC
SAFETY • TRAINING • INDUSTRIAL HYGIENE

Jul 12, 2006
Date(s) of Training

Exam Score: NA

Expiration Date: Jul 12, 2007

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File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. G429043
Permit No. E

(1) OWNER: Name Decoto Aircraft, Inc. Address 2801 West Washington Yakima

(2) LOCATION OF WELL: County Yakima SE ¼ NW ¼ Sec. 26 T. 13 N., R. 18 W.M.
Bearing and distance from section or subdivision corner Parcel #181335-24031

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☒
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 160 ft. Depth of completed well 160 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 100 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 30 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Red Jacket
Type: Submersible H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 12 ft. below top of well Date 8-6-86
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water was lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Bach
Yield: gal/min. with ft. drawdown after hrs.
" " " " "
" " " " "

Recovery data (time taken as zero when pump turned off) (Water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test August 6, 1986
Bailer test 100 gal./min. with 40 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Topsoil	0	4
Medium gravel	4	12
Coarse sand w/gravel	12	16
Brown sandy clay	16	18
Medium gravel	18	43
Medium sand	43	45
Medium gravel w/coarse sand	45	78
Medium gravel w/shale clay	78	97
Gravel w/red sandstone	97	108
Gravel w/medium sand	108	112
Medium cement gravel w/ coarse sand	112	160

RECEIVED
AUG 13 1986
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

Work started 8-6 19 86 Completed 8-6 19 86

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Bach Well Drilling Company
(Person, firm, or corporation) (Type or print)

Address Route 1 Box 1401 Moxee Wash 98943

[Signed] (Well Driller)

License No. 1427 Date 8-10 19 86

(USE ADDITIONAL SHEETS IF NECESSARY)

IR

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

JUMP EHS WORKBOOK SUMMARY GUIDANCE PROTOCOLS

The attached EHS workbook is organized to provide an outline for collection of relevant site/facility EHS information that can be effectively organized and assessed. The assessor should not expect that all questions will be applicable to every site. The assessor will employ good judgment in the application of this template.

If allowed to meet with a site EHS individual and discuss the site, review the areas of interest reflected in this workbook-template. Assume this review should take less than an hour. Where a subject is not applicable, note as NA. It should not be assumed that the persons met with, facility or site tour guide will necessarily be knowledgeable or have information regarding particular subject areas. As the case may be note subject category findings as UKN, for unknown, or UA, for unavailable..

When taking a site/facility tour focus on waste storage and waste water treatment areas, air pollution sources, plating, cleaning and chemical use-storage areas, and if present, historical disposal areas. We anticipate the facility will provide a facility/property schematic and organization chart. If not be prepared to sketch a diagram.

Assessors will stay with the tour guide and will not deviate from the tour. If something of interest is noted check with the facility guide to see if you can take a closer look.

If photographs are permitted keep the photos to areas of EHS interest. No proprietary processes or hardware will be photographed. Check with the tour guide if in doubt. These photos will be used to supplement your observations and should be used as a tool to facilitate timely execution of the site tour.

Site Profile Package Template

Facility Name	Yakima

General Information

Plant Manager	
Phone	
E-mail	
EHS Contact	Daryl Robins and Debbie Bird
Phone	509-248-5000
E-mail	
Strategic Business Unit	Aerospace Services
Government Contractor	No
Is Government Work done under FAR (Federal Acquisition Regulation) -	
US only Applicable	No
Age of Facility	30-50 yrs
How long has this business been in operation at this location?	30-50 yrs
Owned or Leased Facility	Owned
If Owned, Tenants?	TARGET (2720 Site)
If Leased, Lessor?	Decoto Brothers (2808 Site)
Property Size	10 acres
Facility Size (Building floor space)	90,000 sf (2720 Site) and 10,000 sf in (2808 Site)
Number of Employees	332 (combined - 40 in Everett, WA)
Number of Contracted Employees	0
Street Address	2720 and 2808 W Washington Ave
City	Yakima
State	WA
Zip Code	98903
SIC Code	3728
ISO 14000 Certified	Yes

Chemical Management

of Material Safety Data Sheets or equivalent

Use of restricted Materials in production, check all that apply

- ☐ Asbestos
- ☐ Cadmium
- ☐ Lead
- ☐ Chrome VI
- ☐ PCBs
- ☐ Radioactive Materials
- ☐ Mercury
- ☐ Beryllium

Use Class I ODS	Uncertain
Use Class II ODS	Uncertain

Environmental Programs

General

EPA ID #	WAD009266511
Underground Storage Tanks	No
Above Ground Storage Tanks	Yes
If Yes, do you have greater than 1350 Gal?	Yes
If Yes, do you have an SPCC Plan	Yes
Is this facility located adjacent to a body of water?	No
If yes, list Name(s)	
Last Form R	No Information
# Reportable Spills - Total Number since 1/1/99	0

Enforcement Litigation(including consent orders)	No
Date	
Court/Agency	
Subject	
Status	
Expiration Date	
Environmental Litigation	No
Type	
if other, please describe	
Court	
Docket #	
Plaintiff	
Status	

Water

Discharges to Surface Water	No
Do you have any process drains to surface water?	No
Storm Water drains to surface water	No
If yes,give permit type	
If other, please describe	
Are there any cooling water discharges to surface water?	No
Do you have any NPDES Permits?	No
Permitting authority	
Number of Outfalls	
Flow	
Sampling Frequency	
Total Number of Permit Exceedences since 1/1/99	
If any please indicate which parameters exceeded.	
Any permits expiring in 2001?	
Do you discharge to a POTW (Publicly Owned Treatment Works)?	No
Number of Outfalls	
Flow	
Sampling Frequency	
What Industrial Category	
Number of Exceedences since 1/1/99	
Parameters Exceeded	
Any permits expiring in 2001?	
Any other water related violations not covered above.	

Air

Air Permit Deviations/Excursions (Number of) since 1/1/99	0
Provide descriptions	
Subject to Title V	No
Status of Title V Permit	
Number of Air Sources	
NSPS Applicability	No
Number of Units	
Subject to NESHAP	Yes
Which NESHAP Program	Halogenated Solvents
Subject to RMP	No
If yes, list level and compounds	
PSD Permit Now or Past	No
Criteria Pollutants	No
If yes, list criteria pollutants	

Waste	
Hazardous Waste Generator Status	SQG
Number of 90 Day Storage Areas	1 - 120 day storage area
Number of Satellite Accumulation Areas	2
Number of Hazardous Waste Streams	Less than 10
Hazardous Waste (Volume 2005)	No information
Do you have Part B or Interim Permit?	No
Significant Outstanding Environmental Issues?	
Health and Safety and Training	
OSHA Citations (Number of)	2
Recordable Rate	0
DAFW Rate	0
Fatalities	0
Fines	No
If Pending, # and Amount	
Number of PEL or TLV Exceedences since 1/1/99	0
Lockout/Tagout Program	Yes
Training Needs Analysis Done	No
On-Site Contractor Management Program	No
Do you have any of the following Core Processes listed below?	
Aircraft Fueling/Defueling	No
Autoclave	No
Bending	No
Boilers	No
Brazing	No
Clean Line	Yes
Confined Spaces	No
Drills	Yes
Dust Collector Systems	No
EDM	No
Electrochemical Drilling	No
FIC (Fluoride Ion Cleaning)	No
Flammable Gas Delivery System	No
Flammable Liquid Storage (Bulk)	Yes
High Pressure Air System	Yes
Heat Treating	No
Laser Operations	No
Jet Fuel Stored On Site	No
Quantity	No
Lathes	Yes
Mills	Yes
Ovens	Yes
Plating Line	No
Plasma Spray	No
Punch Presses	No
Robotics	No
Spray Painting	Yes
Supplied Air Respirators	No
Test Cells	No
Number of Cells	No
Waste Water Treatment	Yes
Welding	Yes
Westmont or other engine build stands	No
Wood Shop	No
X-Ray	No

PROJECT JUMP SITE SUMMARY - General Information (Ver 1)
EDR , Phase 1 and site visite Information Consolidation

Completed By:	Jeffrey J. Koh, P.E. (MWH)	**EDR Review**	**Date** 12/13/06
	Jeffrey J. Koh, P.E. (MWH)	**Phase 1 Review**	**Date** 12/13/06
		Site Visit Comments	**Date**
		Agency File Review	**Date**
		Other	**Date**

Business TARGET Aerospace Actuation Systems

Facility Name: Yakima

Facility Type: / **Check Site Applicable**	
Aircraft ENG Component Service	
Aircraft Eng Maintenance	
Avionics Production	
Component Manufacturing	X
Customer Service	X
Digital Systems	
Landing Gear Manufacture/Repair	X
Manufacturing/Assembly	X
Mechanical Systems	
Military/Government Contract Service	
Office	X
R&D	X
Service Shop	X
Vacant Land	X
Warehouse-Storage Only	

Facility Address:

Street: 2720 and 2808 W Washington Ave

City: Yakima

State/Province:

Other: Washington

Zip/Province Code: 98903

Country: United States

Plant Manager:

Name:	
Phone:	
Email:	

EHS Manager:

Name:	**Daryl Robins**
Phone:	**509-248-5000**
Email:	

Onsite Medical Services:

History of Ownership:

- Constructed 1968 by Decoto Brothers as irrigation parts machine shop
- Transitioned to aerospace parts manufacturer prior to 1980 (year unknown)
- Sold to Dowty in 1980
- Sold to TI in 1988
- TARGET purchased 2720 Site (manufacturing facility) in 1999
- TARGET leased the 2808 Site (repair and testing facility) from Decoto Brothers in 1999

Operations:

2720 Site:
- Activities include design, manufacture, and distribution of aerospace hydraulic fuses, utility actuators, and mechanical high-enegy release systems.
- Operations include receiving of raw maerials, machining, part cleaning, sending parts off-site for plating, coating/painting, receiving cleaned parts back, assembly of parts into units, testing of units, shipping units off-site for delivery.

2808 Site:
- Activities include repair, testing of returned products, and customer service.

Information obtained during site visit by Client - Testing includes large scale

Physical Description

Buildings 2720 and 2808 are across the street from each other, managed centrally from 2720, and have interconnected operations.

2720 Site
- One building
- Factory area of 63,000 sf (single storey)
- Factory area constructed of concrete block with a concrete slab-on-grade foundation.

- Two floors of offices with surface area of 17,000 sf.
- Large grass area of 4 acres on the NE portion of the property.
- Paved parking areas to W, S, and E of the building.
- Landscaped areas to the N of the building.
- Fenced storage area to NW side of building.
- Loading dock to the SW side of building.

2808 Site

- One building
- 5,000 sf of customer service repair area
- 5,000 sf of system testing machines area
- Single storey concrete block building with concrete floors
- Paved areas to the N and E side of the building
- Unknown building owner construction to E side of the building
- Receiving door on the NE corner of the building
- Chain-link fence abutting the W side wall

Surrounding Property Use:

North - W Washington Ave, followed by undeveloped land, Wide Hollow Creek (1/8 mi N of property), residential area (1/4 mi N of property.)

East - McCllure Elementary School followed by Yakima Regional Airport

South - Yakima Regional Airport runway area

West - South 28th Ave, followed by Decoto Flying Services, 2808 Site, a mudflap wholesaler, and a graphics design company. Airport hangers are further to West.

Within 1 mi radius of the 2720 Site, 69 irrigation wells are identified. None are for public drinking water use.

Security Management

Information obtained during site visit by Client - Adequate security; however, employees use unlocked gates to travel between buidlings rather than through authorized exits. Also, there have been thefts of sizeable parts set out for recycle. A new security system has been ordered.

SITE SUMMARY - Site Information

Facility Name: Yakima

Persons Interviewed/Toured With:

	Name	Title
Date 1/8/2007	Daryl Robins	
Date 1/8/2007	Debbie Bird	Manager HR
Date 1/8/2007	T. Bridgewater	Director
Date		

Site Size (acres): 10

Owned	2720 Site	**Year acquired:**	x/xx/1999
Leased	2808 Site	**Lease expires**	

Do any regulatory property/facility transfer requirements apply?

Describe:

Building Information:

ID	Const. Date	Size (Sq ft)	Type
2720	1968	90,000	Concrete slab
2808	1968	10,000	Concrete slab

Utilities/Infrastructure:

- [x] Off Site Electric
- [x] Municipal Water
- [ ] Heating Oil
- [x] Sanitary Sewer
- [x] Onsite Well
- [x] Natural Gas
- [ ] Onsite Septic
- [ ] On Site Power Generation
- [ ] Onsite Monitoring Wells
- [ ] Electric Heat
- [ ] Municipal Stormwater System
- [ ] On Site Backup Power [EmGen, UI
- [ ] Cooling Tower
- [ ] Onsite Stormwater Pond

Describe Utilities Findings/Observations :

-2720 building includes One natural gas fired boiler.
- Both buildings include bathrooms.
- One irrigation well On N side of building '2720' within the property boundary.

Information obtained during site visit by Client (1/8/2007) - Stormwater management and control is open item.

SIC Code: 3728

Government Contractor: No

Total # of Employees: 332

Number of EHS Staff: 2

# of Contracted Employees: NA

SITE SUMMARY - EHS Information

Please add categories as needed.

Facility Name:	Yakima
Chemical Use & Storage:	-TCE is shipped in 55 gal drums, temporarily stored outside on pallet, and transferred in adjacent to vapor degreaser. - Hydraulic Fluid is shipped 55 gal drums, stored outside within the NW fenced area of the 2720 property, and in pallets in the test area of 2808 building. Information obtained during site visit by Client (1/8/2007) - Heavy hydraulic and cutting oil use. Many types of oils. Oil stored in all types and sizes of containers in work areas. Some oils distributed from "wall of oils." Rust inhibitors in large quantities. Skydrol. Clean line in NDT with tank that contained SMUT (acid?); large bag of sodium bichromate (Cr6) present in NDT area. Large LN2 tank, with smaller tanks filled from large tank. Many oil stains noticed; much oil under machine tools in pans, on floors.
Waste:	- Small quantity generator - Oily sludge, hydraulic fluid, equipment rinsate, solvents, paint product, etc. from manfacturing, cleaning, and testing operations. - Hazardous waste are stored in covered, fenced area on the SW portion of the 2720 property. Secondary containment is provided. Transported off-site by hazardous waste haulers. - Hazardous waste generated in 2808 building are accumulated in the S portion of the building and transported across the street to the 2720 building for pickup. - No information on recycling of metals

Information obtained during site visit by Client (1/8/2007) - Although a SQG, state of Washington lists them as a medium quantity generator under state law. Metal chips/machine turnings all recycled; segregated by type and stored in paved waste/product storage area; oil drips on surface and it and stormwater from area pumped back to waste evaporator. Sumps not connected to waste evaporator are sucked out by "Elmo" (presumably a vacuum truck) and transferred to waste evaporator. 65 lbs of TCE waste shipped from site per year. Evaporator produces sludge which is shipped off site. Evaporato

Air Emissions:	- TCE, Stack or Point Emissions, Yakima RCAA permit, 8000 lbs/yr (2006) 14000 lbs/yr (1992) and 21000 lbs/yr (1990) Information obtained during site visit by Client (1/8/2007) - According to Daryl, although permit is for 8000 lbs of TCE, no where near that amount is emitted. Evaporator release is not filtered.
Wastewater:	- Sanitary wastewater to municipal sewer - Industrial wastewater from the manufacturing, cleaning, and testing operations. - No industrial wastewater discharge permit. - Operates an evaporation system as zero-liquid-discharge solution, resulting sludge is transported off-site Information obtained during site visit by Client (1/8/2007) - Little industrialwastewater is produced - no parts washing
EHS Lifesafety and Hazards Observations/Findings:	Information obtained during site visit by Client (1/8/2007) - Machine guarding is key concern. Many, many old Bridgeports, lathes, etc. that are unguarded. Large quantities of various kinds of oils used everywhere. Hot work underway during visit and team entered area and were not warned nor was there any warning tape. No evidence of LOTO program, but manager stated it existed. Some gas cylinders unsecured. Housekeeping only fair due to large quantities of oil spilled/emitted from machines. Spill kits are very evident everywhere. NDT area dark, chemical control in area suspect. MSDS program on display terminals not fully implemented; employees could not find MSDS for chemicals in use in NDT. Eye washes could be better located. Could be issues with storage of heavy materials at high levels.

Excellent relationship of both EHS and HR managers with employees. Regular employee safety meetings. No regular education for EHS and HR managers; they pick up EHS knowledge from state regulators and other companies. Much of facility very well lit. Both EHS and HR manager engaged and interested in their work and doing it well.

EHS Policies & Programs:	Insert site visit observations on H&S Practices
Process Safety Management:	Insert site visit observations as applicable
Compliance Assurance:	Insert audit record fingings when/if available

SITE SUMMARY: REMEDIAL AND PERMITTING INFORMATION

Overall Remedial site status?

○ Active/on-going ○ Inactive/Former ○ Active Monitoring ○ No Further Action ○ None performed ○ Under InvestigationD ◉ Don't Know

Check known operations:

Operations	Site
Landfill	☐
Construction & Demolition	☐
Municipal	☐
Hazardous	☐
Recycling	☐
Drums	☐
Waste Oils	☐
Solvents	☐
Warehousing	☑
Manufacturing	☑
Other	☑

Check known storage and/or disposal practices:

Storage/Disposal Practices	Site
Drums	☑
Lagoons	☐
Sludge Beds	☐
Evaporation Pits	☑
Aboveground Storage Tanks	☑
Underground Storage Tanks	☐
Incinerator	☐
Municipal	☐
Industrial	☐
Hazardous	☐
Other	☐

Check wastes known to be disposed and/or spilled:

Waste	Site
Liquids	☑
Sludges	☑
Solids	☑
Industrial	☑
Municipal	☐
Construction & Demolition	☐
Equipment	☐
Paints/Paint Products	☑
PCBs	☐
Pesticides/Herbicides	☐
Solvents	☑
Chlorinated	☑
Non-Chlorinated	☐
Metals	☑
Lead	☐
Mercury	☐
Nickel/Chromium	☐
Other	☑
Waste Oils	☑
Other Petroleum Products	☐
Diesel Fuel	☐
Gasoline	☐
Jet Fuel	☐
Other	☐
Radioactive Wastes	☐
Other	☐

12/31/06 Expected Reserve ($MM):	
2007 Budget ($MM):	
2008 Budget ($MM):	

Complete as applicable or available from EDR, Phase 1 or Site visit findings

Origin(s) of Remedial Work	Expiration Date	Name and With Whom
Contractual Agreement [US/UK]		
Consent Decree		
Consent Order		
Unilateral Order		
Settlement Agreement		
PRP Agreement		
Access Agreement	/ /	
Allocation Agreement		
Permits - Waste	/ /	
Permits - Wastewater	/ /	
Permits - Air	/ /	
Permits - Sewer Use	/ /	
Permits - Other	/ /	
Brownfield Agreement		
Voluntary Remediation Agreement [US/UK]		
Regulatory -Contaminated Land Regs [UK]		
Regulatory Statutory [UK]		
Other (specify below)		

Check regulatory program(s):

Program	Federal	State	Int'l Equivalent
CERCLA	☐		
State Superfund		☐	
RCRA	☑	☐	
Underground Storage Tank	☐	☐	
Brownfields	☐	☐	
Nuclear Regulatory Commission	☐	☐	
Voluntary Remediation Program	☐	☐	☐
Property Transfer	☐	☐	☐
Contaminated Land Regs	☐	☐	☐
Other (check and specify below)			☐

REMEDIAL STAGE

Enter overall remedial stage for the site: None

IMPACTED MEDIA

Groundwater	○ Yes ◉ No ○ Potential ○ Don't Know	**COCs:**	
Soil	○ Yes ○ No ◉ Potential ○ Don't Know	**COCs:**	TCE, VOCs, Hexavalent Chromium, heavy metals, glycol
Surface Water	○ Yes ○ No ◉ Potential ○ Don't Know	**COCs:**	TCE, VOCs, Hexavalent Chromium, heavy metals, glycol
Sediment	○ Yes ○ No ◉ Potential ○ Don't Know	**COCs:**	TCE, VOCs, Hexavalent Chromium, heavy metals, glycol
Air	○ Yes ○ No ◉ Potential ○ Don't Know	**COCs:**	TCE, VOCs, Hexavalent Chromium, heavy metals, glycol

***MAJOR ISSUES & RISKS*:**

Nearest surface watercourse is the Wide Hollow Creek located 1/8 mi North of 2720 Site.
- Nearest Residential properties are located 1/4 mi North of 2720 Site.
- Ground Water table 1~17ft below ground
- 69 irrigation wells within 1 mi radius of 2720 Site. None for public drinking water.
- 4 Leaking USTs owned by others are identified within 0.5 mi radius of 2720 site.

***IMPENDING DEADLINES WITHIN 6 MONTHS (e.g., statute of limitations, responses to regulators; court dealines, tolling agreements, etc.)*:** None.

Audit Tracking System Batch Transfer Template

EHS - Integration

Rev. 12.20.06

- Batch transfers **audit findings** (e.g., from a business audit) to the PowerSuite Web-based Audit Tracking System via the back-end database.
- Follow the instructions provided below. **Do not modify columns or Batch Transfer cannot be completed!**
- Finding ID numbers will be inserted prior to transfer to the Web database.
- When copying and pasting an inputted field, only copy columns A - AK. Do NOT select the columns Y and Z as they will cause an error message when pasted.
- **TIP:** Use Paste Special, Values when copying and pasting inputs into cells to avoid alert messages!
- **Email the completed spreadsheet to your Business Administrator (see Compliance Center Homepage)**

Finding Date	Finding Type	Finding Category	Citation(s)	Number of Items	Bldg	Work station	Description	CorrectiveAction	Auditor Name	Auditor Phone	Cost Range	Finding Priority	Closure
Enter audit finding date (M/D/Y FORMAT) REQUIRED	Use list REQUIRED	Use list REQUIRED	Optional reference	Number of items in finding (>=1) REQUIRED	Optional	Optional	Enter finding description. Note: Use a cell in an adjoining row if you need more than 255 characters REQUIRED	Enter Recommended corrective action (if applicable). Note: Use a cell in an adjoining row if you need more than 255 characters REQUIRED	Name of Person who identified the finding REQUIRED	Contact person phone #	Use list options to specify estimate of cost to correct Best Guess!!	High, Medium or Low	Does this finding need to be closed Pre-closing or Post-Closure
12/14/06	Regulatory	Air		1	2720		- Asbestos containing material (ACM) on roof of owned bldg. - No formal survey or management plan in place	- ACM survey and management plan - May require removal, labeling, and notification of personnel	Kim Scully (ERM)		500k-1MM	Medium	Post-closure
12/14/06	Regulatory	Groundwater		1	2720		- Still using TCE. Unknown past of present impacts. Unknown past management practice.	- GW and soil sampling investigation and possible remediation necessary			250k-500k	Medium	Post-closure
12/14/06	Regulatory	Grounwater		1	2720		- Potential use of Hexavalent Chromium in dye penetrant (historically) but unknown if used.	- GW and soil sampling investigation and possible remediation necessary			250k-500k	Medium	Post-closure
12/14/06	Regulatory	Grounwater		1	2720		-Historical plating operations (currently off-site) report that no longer use Hexavalent Chromium but may have been used prior to 2004 (ref: 2004 EHS report by TARGET corporate office)	- GW and soil sampling investigation and possible remediation necessary			250k-500k	Medium	Post-closure
12/14/06	BMP	Surfacewater		1	2720		- Hydraulic Fluid Leak in engineering test station - Heavy staining beneath testing machine	- Review, Revise and Implement SPCC - Repair leaky test machine.			50k-100k	Low	Post-closure
12/14/06	BMP	Soil, Surfacewater		1	2720		-Outdoor parts wash and rinse area - Sloped concrete pad direct liquid to evaporation system indoors. - Unknown if stormwater can contact or flow with rinse water	- Site survey - Develop SWPPP - May need to install remedy to divert stormwater			50k-100k	Low	Post-closure
12/14/06	BMP	Soil, Groundwater		1	2720 and 2808		- Paint booth in 2720 building - age unknown but likely post 1988. Since paint booth was operated at 2808 from 1980 to 1988.	- GW and soil sampling investigation and possible remediation necessary			250k-500k	Low	Post-closure
12/14/06	Regulatory	Soil		1	2808		- Large section of concrete slab removed in NW area of '2808' - Reason for removal unknown and unknown what was beneath concrete	- EHS survey - soil sampling investigation and possible remediation necessary			250k-500k	Low	Post-closure
12/14/06	Other	EHS		1	2720 and 2808		- Two OSHA violations according to EDR report. Unknown what the violations were or if any fines were incurred.	- Document research - EHS Survey			10k-25k	Low	Post-closure
12/14/06	Other	EHS		1	2720 and 2808		- WA EPA Compliance Monitoring and Enforcement inspection shows, - 3 violations in 2005 under 'General requirements.' Specifics of the violation unknown. - 6 violations in 2002 under 'General requirements.' Violation mostly in hazardous waste handling and training. - Unknown for other years (pre-2002)	- Document research - EHS Survey and recommend BMPs - Staff traning			50k-100k	Low	Post-closure
12/14/06	Regulatory	Surfacewater		1	2720 and 2808		-Multiple occurances of chemical drums or containers not having proper containment.	- EHS Survey and recommend BMPs - Install secondary containment for all chemical and waste liquid containers			50k-100k	Low	Post-closure
				1									
				1									
				1									
				1									
				1									
				1									
				1									
				1									

EDR-Industrial Site Package™

Air, Water, OSHA Report

2720 W WASHINGTON AVE
2720 W Washington Ave
Yakima, WA 98903

Inquiry Number: 01814160.77r

December 13, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR Industrial Site Addendum is a comprehensive presentation of government filings on a facility
The report is divided into three sections:

Section 1: Facility Summary . . . . . Page 3

Summary of facility filings including a review of the following areas: air emissions, water discharges, and health & safety issues.
Due to inconsistent name and/or locational information, records on the same facility may be listed in separate facility columns.

Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. . . . . Page 10

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

Due to inconsistent name and/or locational information, records on the same facility may be listed in separate facility columns.

	RECORD 1 **SMITHS AEROSPACE ACTU ATION SYS** 2720 W WASHINGTON AVE YAKIMA, WA 98909 EDR ID #O-304428071	**RECORD 2** **SMITHS AEROSPACE ACTU ATION SYS** 2720 W WASHINGTON AVENU YAKIMA, WA 98909 EDR ID #O-304665771	**TOTAL** **(YES)**
AIR EMISSIONS Permitted air emissions (AIRS)	NO	NO	0
Reported emergency releases to air (ERNS/A)	NO	NO	0
Compliance data (AIRS/COM)	NO	NO	0
WATER DISCHARGES Permitted waste water discharges (NPDES/PCS)	NO	NO	0
Reported emergency releases to water (ERNS/W)	NO	NO	0
Enforcement actions (NPDES/PCS-ENF)	NO	NO	0
Inactive waste water discharges (NPDES-PCS INACT)	NO	NO	0
Stormwater permit (STORMWATER)	NO	NO	0
HEALTH AND SAFETY Inspected by the Occupational Safety and Health Administration (OSHA)	**YES - p5**	**YES - p8**	2
Violations under OSHA (OSHA/VIOL)	**YES - p6**	**YES - p9**	2
Facility has had accidents according to the Occupational Safety and Health Administration (OSHA/ACC)	NO	NO	0
TOTAL (YES)	2	2	4

- A "NO" indicates that no findings were identified based on an exact name, address and/or EPA facility identification number search. Facility information may be available under an alternate name, address and/or EPA identification number.
- NR = Not Requested

SECTION 2: FACILITY DETAIL REPORTS

Record 1: SMITHS AEROSPACE ACTUATION SYS
YAKIMA, WA 98909 (EDR ID# O-304428071)

AIR EMISSIONS

Facility has permitted air emissions . . . . . NO

Facility has reported emergency releases to air. . . . . NO

Facility has compliance data . . . . . NO

WATER DISCHARGES

Facility has permitted waste water discharges. . . . . NO

Facility has reported emergency releases to water. . . . . NO

Facility has enforcement actions . . . . . NO

Facility has an inactive waste water permit. . . . . NO

Facility has stormwater discharges . . . . . NO

HEALTH AND SAFETY

Facility has been inspected by the Occupational Safety and Health Administration . . . . . YES

Facility has violations cited by the Occupational Safety and Health Administration. . . . . YES

Facility has had accidents according to the Occupational Safety and Health Administration. . . . . NO

TOTALS (YES) 2

HEALTH AND SAFETY

Facility has been inspected by the Occupational Safety and Health Administration

DATABASE: Occupational Safety and Health Administration (OSHA)

SMITHS AEROSPACE ACTUATION SYS
2720 W WASHINGTON AVE
YAKIMA, WA 98909
EDR ID #O-304428071

OSHA INSPECTIONS:

OSHA Inspection Activity Number 304428071

Establishment:	SMITHS AEROSPACE ACTUATION SYS 2720 W WASHINGTON AVE YAKIMA, WA 98909 YAKIMA County
Primary SIC:	3728, AIRCRAFT PARTS AND EQUIPMENT, NEC
Secondary SIC:	Not reported
Employees at Site:	Not reported
Total Employees:	Not reported

Inspection Report ID:	1055350-S	Lost Workday Injury Rate:	Not reported
Inspector Title:	Health Officer	Case Completed Date:	7/11/01
Total Inspection Time:	23.0 hours	Unionized:	NONUNION

HEALTH AND SAFETY

Facility has had violations cited by the Occupational Safety and Health Administration

DATABASE: Occupational Safety and Health Administration (OSHA)

SMITHS AEROSPACE ACTUATION SYS
2720 W WASHINGTON AVE
YAKIMA, WA 98909
EDR ID #O-304428071

OSHA VIOLATIONS:

Standard Violated: S-01
Event: Not reported
Citation Type: Not reported
Citation ID: Not reported
Issue Date: Not reported
Original Penalty: Not reported
Actual Penalty: Not reported
Penalty Contested: No
Hazardous Substance Involved: Not reported

Disposition: Not reported
Abatement Status: Not reported
Abatement Date: Not reported
Original Failure-to-Abate Penalty: Not reported
Actual Failure-to-Abate Penalty: Not reported

Record 2: SMITHS AEROSPACE ACTUATION SYS
YAKIMA, WA 98909 (EDR ID# O-304665771)

AIR EMISSIONS

Facility has permitted air emissions . . . . . NO

Facility has reported emergency releases to air. . . . . NO

Facility has compliance data . . . . . NO

WATER DISCHARGES

Facility has permitted waste water discharges. . . . . NO

Facility has reported emergency releases to water. . . . . NO

Facility has enforcement actions . . . . . NO

Facility has an inactive waste water permit. . . . . NO

Facility has stormwater discharges . . . . . NO

HEALTH AND SAFETY

Facility has been inspected by the Occupational Safety and Health Administration . . . . . YES

Facility has violations cited by the Occupational Safety and Health Administration. . . . . YES

Facility has had accidents according to the Occupational Safety and Health Administration. . . . . NO

TOTALS (YES) 2

HEALTH AND SAFETY

Facility has been inspected by the Occupational Safety and Health Administration

DATABASE: Occupational Safety and Health Administration (OSHA)

SMITHS AEROSPACE ACTUATION SYS
2720 W WASHINGTON AVENUE
YAKIMA, WA 98909
EDR ID #O-304665771

OSHA INSPECTIONS:

OSHA Inspection Activity Number 304665771

Establishment:	SMITHS AEROSPACE ACTUATION SYS 2720 W WASHINGTON AVENUE YAKIMA, WA 98909 YAKIMA County
Primary SIC:	3728, AIRCRAFT PARTS AND EQUIPMENT, NEC
Secondary SIC:	Not reported
Employees at Site:	Not reported
Total Employees:	Not reported

Inspection Report ID:	1055350-S	Lost Workday Injury Rate:	Not reported
Inspector Title:	Health Officer	Case Completed Date:	(OPEN)
Total Inspection Time:	Not Reported	Unionized:	NONUNION

HEALTH AND SAFETY

Facility has had violations cited by the Occupational Safety and Health Administration

DATABASE: Occupational Safety and Health Administration (OSHA)

SMITHS AEROSPACE ACTUATION SYS
2720 W WASHINGTON AVENUE
YAKIMA, WA 98909
EDR ID #O-304665771

OSHA VIOLATIONS:

Standard Violated: S-01
Event: Not reported
Citation Type: Not reported
Citation ID: Not reported
Issue Date: Not reported
Original Penalty: $S-06
Actual Penalty: Not reported
Penalty Contested: No
Hazardous Substance Involved: Not reported
Disposition: Not reported
Abatement Status: Not reported
Abatement Date: Not reported
Original Failure-to-Abate Penalty: Not reported
Actual Failure-to-Abate Penalty: Not reported

Standard Violated: S-07
Event: Not reported
Citation Type: Not reported
Citation ID: Not reported
Issue Date: Not reported
Original Penalty: $S-08
Actual Penalty: Not reported
Penalty Contested: No
Hazardous Substance Involved: Not reported
Disposition: Not reported
Abatement Status: Not reported
Abatement Date: Not reported
Original Failure-to-Abate Penalty: Not reported
Actual Failure-to-Abate Penalty: Not reported

Standard Violated: S-09
Event: Not reported
Citation Type: Not reported
Citation ID: Not reported
Issue Date: Not reported
Original Penalty: Not reported
Actual Penalty: Not reported
Penalty Contested: No
Hazardous Substance Involved: Not reported
Disposition: Not reported
Abatement Status: Not reported
Abatement Date: Not reported
Original Failure-to-Abate Penalty: Not reported
Actual Failure-to-Abate Penalty: Not reported

Standard Violated: 0620711703
Event: Not reported
Citation Type: Other
Citation ID: 01001
Issue Date: 3/20/02
Original Penalty: $0
Actual Penalty: $0
Penalty Contested: No
Hazardous Substance Involved: Not reported
Disposition: Not reported
Abatement Status: Completed
Abatement Date: 2/11/02
Original Failure-to-Abate Penalty: $0
Actual Failure-to-Abate Penalty: $0

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

FACILITY RELATED DATABASES

AIR EMISSIONS

AIRS: Aerometric Information Retrieval System Facility Subsystem
Source: EPA
Telephone: 919-541-5454

Date of Government Version: Not reported
Database Release Frequency: Annually
Date of Last EDR Contact: Not reported
Date of Next Scheduled Update: Not reported

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually
Date of Last EDR Contact: 10/24/2006
Date of Next Scheduled Update: 01/22/2007

WATER DISCHARGES

PCS: Permit Compliance System
Source: EPA/Office of Water
Telephone: 202-564-4099
PCS is EPA's database system for managing wastewater discharges to surface bodies of water as part of the National Pollutant Discharge Elimination System under the Clean Water Act. Facility data, discharge monitoring report information and compliance/enforcement activities are included in the database. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/08/2006
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 10/09/2006
Date of Next Scheduled Update: 01/08/2007

PCS INACTIVE: Listing of Inactive PCS Permits
Source: Environmental Protection Agency
Telephone: 202-564-2496
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 09/22/2006
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/13/2006
Date of Next Scheduled Update: 02/12/2007

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually
Date of Last EDR Contact: 10/24/2006
Date of Next Scheduled Update: 01/22/2007

HEALTH AND SAFETY

OSHA: Occupational Safety and Health Administration
Source: Department of Labor
Telephone: 202-693-1700
Specific inspection, violation and fatality/catastrophe information regarding inspections of interest.

Date of Government Version: 12/31/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 12/11/2006
Date of Next Scheduled Update: 01/15/2007

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Phase I Site Assessment

2720& 2808 W Washington Avenue, Yakima

Report Final

October 2006

www.erm.com

Smiths Group

Phase I Site Assessment: *2720& 2808 W Washington Avenue, Yakima*

October 2006

Reference 0055349

For and on behalf of
Environmental Resources Management

Approved by: Bruce Walker

Signed:

Position: Partner

Date: 19th October

This report has been prepared by Environmental Resources Management the trading name of Environmental Resources Management Limited, with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.

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SUMMARY OF PHASE I ENVIRONMENTAL SITE ASSESSMENT: Smiths Aerospace Mechanical Systems, 2720 and 2808 W Washington Avenue, Yakima, Washington, USA.

Finding/Issue

EXECUTIVE SUMMARY

The key issues identified during the assessment are as follows:

- Management reported the presence of asbestos containing material on the roof of the main building. Site personnel indicated the asbestos material has not been removed and no notification to employees or contractors has been provided. No asbestos survey has reportedly been conducted at the Site. An asbestos survey should be conducted at the Site to determine the condition of the asbestos roofing. Recommendations from the survey (e.g. labelling, encapsulation, removal) should be undertaken.
- Trichloroethylene (TCE) has been used at the Site as a parts cleaner since at least 1981. No releases of TCE were known to have occurred since 1981; however, historical use and releases of TCE is unknown. Management reported they are looking into substituting Leksol for the TCE in the degreaser. Historical use and potential release of TCE is unknown. Based on the age of the operations and potential for historical releases of TCE, there is a potential for soil and ground water in the area of the degreaser and downgradient of the degreaser to be impacted.
- Potential significant sources of soil and ground water contamination include: Heavy oil staining in the engineering test area; Outdoor equipment rinsing; Concrete staining in the dye penetrate area; and Potential historical releases of TCE from vapour degreaser and cleaning operations conducted at the 2720 Site.

Environmental Setting

- Site management indicated the 2720 building was constructed by the Decoto Brothers in 1968. Decoto Brothers started the business as an irrigation parts machine shop, then changed to Decoto Aircraft and began machining aerospace parts. In 1980 Dowty purchased the property from Decoto Aircraft. TI purchased the property from Dowty in 1988 and Smiths purchased the property in 1999.
- Management reported that Dowty formerly operated at the 2808 building and used the western portion of the building for a painting booth. Dates of occupancy were not known. Paint residue was observed on the door to the western area during the site visit.
- Given that the Site is located in an area with residential properties ¼ mile (0.4 km) to the north represents a high environmental sensitivity. The Site is located within an area of low environmental vulnerability.
- Given the potential for spills from the industrial estate to enter the Wide Hollow Creek, ERM considers the surface water vulnerability to be moderate. Given there are no licensed surface water abstractions, ERM considers the sensitivity to be moderate to low.
- Given the presence of reported slow infiltration rates and the shallow depth to ground water, the ground water vulnerability for the Site is considered by ERM to be moderate to high. Given presence of the irrigation water well on-site, ERM considers the sensitivity to be high.

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Finding/Issue

Overall Risk Ranking (Soil & Groundwater)

- Based on this initial risk assessment, ERM considers there is a moderate to high risk of soil and/or ground water contamination underlying the Site. ERM considers it unlikely the Site will attract any regulatory attention for continuation of its present use. Given that the Site is owned, ERM considers that any issues relating to development and historical use of the site are likely to be the responsibility of Smiths.

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INFORMATION SOURCES

The assessment was based on a site visit and an Environmental Data Resources (EDR) report ref. 1756353.2s (*Annex A*).

SITE DESCRIPTION AND OPERATIONS

Number of Employees	*Site Area*	*Hours*	*Owned/Leased*	*Auditors*	*Date of Audit*
Maximum 300 employees, approximately 200 of which are in production.	2720 Site (owned): Total: 90,000 ft² (8,361 m²) Factory area: ~ 63,000 ft² (5,852 m²) Land area: ~10 acres (40,468 m²) 2808 Site (leased): Total: 10,000 ft² (929 m²)	24 hours per day 5 days per week 52 weeks per year.	The 2720 building is owned by Smiths. The 2808 building is leased from Decoto Brothers.	Kim Scully	21 September 2006

The Site is located on the southern side of West Washington Avenue in Yakima, Yakima County, Washington, USA. During the site visit, ERM had interviews with Daryl Robins, Environmental Affairs Manager. Both of the buildings are managed centrally and have interconnected operations. Photographs from the site visit are provided in *Annex B*. A site location map with an aerial site plan and a site layout are provided in *Figures 1* and 2 respectively.

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The 2720 Site comprises one building which has a factory area of approximately 63,000 ft² (5,852 m²) and two floors of offices with a surface area of approximately 17,000 ft² (1,580 m²). The factory is constructed of concrete block with a concrete slab-on-grade foundation and is single storey. The 2808 Site comprises one building with approximately 5,000 ft² (465 m²) of customer service repair and approximately 5,000 ft² (465 m²) of system testing machines. The building is a single storey concrete block building with concrete floors. Staff amenities at the Site include toilet facilities, a break-room, and a first aid room.

The remainder of the 2720 Site area comprises a large grass area of approximately 4 acres (16,200 m²) on the northern and north-eastern portion of the property, paved parking areas to the west, south, and east of the building, landscaped areas on the north side of the building, a fenced storage area on the north-western portion of the building, a loading dock at the south-west corner of the building, an irrigation well and well house north of the building, a pad-mounted transformer on the north side of the building, and a concrete block built-out area that stores the Skydrol pumps.

The remainder of the 2808 Site area comprises paved areas to the north and east, new pole-mounted transformers to the east, building owner construction adjacent to the northern wall of the building (unknown work being performed), a receiving door on the north-eastern corner of the building, and a chain-link fence abutting the western wall.

Ancillary services at the 2720 Site include one natural gas fired boiler, two air compressors, three electrical forklifts, an elevator, two chillers, an approximate 1,000-gallon (3,785 litre) aboveground liquid nitrogen tank, an approximate 1,000-gallon (3,785 litre) wastewater tank, a trichloroethylene (TCE) vapour degreaser, a paint booth, a metal dust collector, and a media blast unit.

Ancillary services at the 2808 Site include one Skydrol pump system and one chiller.

Activities undertaken at the 2720 Site include the design, manufacture, and distribution of aerospace hydraulic fuses, utility actuators, and mechanical high-energy release systems. Operations include receiving raw materials, machining them to part specifications, cleaning parts, sending parts off-site for plating, coating, or painting, receiving the cleaned parts back, assembling them into units, testing units, and shipping units off-site for delivery. The customer service repair operations moved from the 2720 building to the 2808 building in approximately June 2006. Activities at the 2808 building include repair and testing of returned products.

The Site uses automated machines for parts manufacturing. The Site uses a TCE vapour degreaser for parts cleaning operations. The TCE vapour degreaser is permitted with the Yakima Regional Clean Air Agency (YRCCA) and records of use are maintained to ensure the Site does not exceed the threshold limit of 8,000 pounds per year. Wastewater generated from the machines, mop water, and equipment rinsing, which contains coolant and oils, is directed to an on-site wastewater evaporator system. The remaining oils are collected and shipped off-site for recycling. Three floor drains are present in the production areas and are reportedly closed off and spills to the floor drains are pumped out and sent to the wastewater evaporator.

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Finding/Issue	Implication/Corrective Action
SITE LOCATION & SURROUNDING LAND USES	
The Site is generally flat with a slight slope to the south-east. Neighbours to the Site include: *North* – West Washington Avenue, followed by undeveloped land, Wide Hollow Creek, an athletic club, and a discontinued condominium complex development. *East* – McCollugh Academy (private higher learning institute) followed by the Yakima Regional Airport. *South* – Yakima Regional Airport runway area. *West* – South 28th Avenue, followed by Decoto Flying Services, 2808 Site, a mudflap wholesaler, and a graphics design company (from north-west to south-west). Airport hangars are further to the west. The nearest residential properties are located approximately ¼ mile (0.4 km) north of the Site. The nearest surface watercourse is the Wide Hollow Creek, which is located approximately 1/8 mile (0.2 km) north of the Site.	
OILS, CHEMICALS & HAZARDOUS MATERIALS	
Storage & Handling of Oils & Chemicals	
There is a bank of 16 55-gallon (208 litre) hydraulic fluid storage tanks along the western wall of the production area at the 2720 building. The tanks are used as a dispensing station for the different types of oils used in the machine processes. There is a metal collection pan beneath the dispensing station. Approximately 10, 55-gallon (208 litre) pails of hydraulic oils are stored immediately north of the hydraulic fluid dispensing area. No containment is provided for the 5-gallon (208 litre) pails. Something wrong with the unit conversion	As a best management practice, containment should be provided for the 5-gallon (208 litre) pails.
Approximately 30 55-gallon (208 litre) drums of new hydraulic oils are stored outside in the north-western fenced area of the 2720 property.	No material issues identified.
One 55-gallon (208 litre) drum of TCE was observed outside in the loading dock area on the south-western portion of the 2720 property. Site personnel indicated the drum had recently been delivered and the drum was to be moved into the building at the vapour degreaser. The TCE drums are stored at the vapour degreaser and Site personnel indicated no more than two drums are on-site at a time. Containment is provided for the TCE supply drum at the vapour degreaser.	No material issues identified.

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Finding/Issue	Implication/Corrective Action
Four 55-gallon (208 litre) drums of HyJet 4A aviation fire resistant hydraulic fluid were stored on pallets in the test area of the 2808 building.	No material issues identified.
No underground storage tanks (USTs) were observed during the site visit and none were reported by Site management either current or historical.	No material issues identified.
Hazardous wastes are stored in a covered, fenced area on the south-western portion of the 2720 property. Secondary containment is provided in the area. The hazardous waste haulers had arrived the morning of the site visit and no hazardous waste drums were stored in the hazardous waste storage area at the time of the site visit.	No material issues identified.
Hazardous wastes generated at the 2808 building are accumulated in the southern portion of the building and transported across the street to the 2720 building for pickup. Site personnel have been provided approval from the Washington Department of Ecology to transport the hazardous waste across the street without the need of a hazardous waste transporter license.	No material issues identified.
Skydrol hydraulic fluid was observed to be leaking from a test station in the north-eastern portion of the 2720 building. The concrete floor was heavily stained with the oil and the stain extended to the concrete block wall to the north. The stain did not appear to extend outside.	The concrete should be pressure cleaned and an epoxy coating should be applied to help ensure oil spills do not absorb through the concrete floor.
A dye penatrant station is present in the southern portion of the 2720 building. The concrete floor beneath the penatrant sink was heavily stained. A sump is located in the area to take wastewater from the penatrant area to the evaporator.	The concrete should be pressure cleaned and an epoxy coating should be applied to help ensure oil spills do not absorb through the concrete floor.
Equipment rinsing operations are conducted outside on a concrete pad on the north-western portion of the 2720 building. The rinse area is sloped to collect the rinsewater and transfer it to the evaporation system. Oily residues and metal sludge were observed in the water in the rinsing area.	Rinsing operations should be conducted in a contained area with an impervious barrier to ensure continued rinsing operations do not impact the soil beneath the concrete.
Based on the quantity of oil stored on-site, the Site has developed and implemented a Spill Prevention Control and Countermeasures plan.	No material issues identified.
Radioactive Substances	
No radioactive substances were reported or identified during the site visit.	No material issues identified.

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Finding/Issue	Implication/Corrective Action
Asbestos Management reported the presence of asbestos containing material on the roof of the main building. Site personnel indicated the asbestos material has not been removed and no notification to employees has been provided. No asbestos survey has reportedly been conducted at the Site.	An asbestos survey should be conducted at the Site to determine the condition of the asbestos roofing. Recommendations from the survey (e.g. labelling, encapsulation, removal) should be undertaken.
PCBs Site management reported that PCBs were not present on-site and no equipment (e.g. transformer, capacitors) potentially containing PCBs were observed during the site visit. Utility-owned transformers are present north of the 2720 building and east of the 2808 building.	No material issues identified.

SOIL AND GROUND WATER CONTAMINATION

Site History (On-site)

2720 Building

A review of historical photographs from 1955, 1968, 1978, 1993 and 1998 indicates that the Site was partially undeveloped (southern 1/3) and occupied by several farm structures and a trench in 1955 and 1968. The farm structures included a residence, barn, and four outbuildings on the western half of the middle of the property and the trench to the east of the buildings. In 1968, the southern 1/3 of the property had been graded in preparation for development. The 1978 photograph shows that the existing building was constructed and the remainder of the property was vegetated. The farm structures were no longer evident. The 1993 photograph shows that an addition was constructed on the north-eastern corner of the property. The building remained unchanged between 1993 and 1998. No apparent changes to the property were evident in the 1978, 1993, and 1998 aerial photographs.

2808 Building

A review of historical photographs from 1955, 1968, 1978, 1993 and 1998 indicates that the Site was undeveloped in 1955 and the existing building was constructed in 1968. The building remained unchanged between 1968 and 1998. No apparent changes to the property were evident in the 1978, 1993, and 1998 aerial photographs.

Site management indicated the 2720 building was constructed by the Decoto Brothers in 1968. Decoto Brothers started the business as an irrigation parts machine shop, then changed to Decoto Aircraft and began machining aerospace parts. In 1980, Dowty purchased the property from Decoto Aircraft. TI purchased the property from Dowty in 1988 and Smiths purchased the property in 1999.

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Finding/Issue	Implication/Corrective Action
TCE has been used at the Site as a parts cleaner since at least 1981. No releases of TCE were known to have occurred since 1981; however, historical use and releases of TCE is unknown. Management reported they are looking into substituting Leksol for the TCE in the degreaser.	Historical use and potential release of TCE is unknown. Based on the age of the operations and potential for historical releases of TCE, there is a potential for soil and ground water in the area of the degreaser and downgradient of the degreaser to be impacted.
Management reported that Dowty formerly operated at the 2808 building and used the western portion of the building for a painting booth. Dates of occupancy were not known. Paint residue was observed on the door to the western area during the site visit.	
According to management personnel, no significant operational or chemical changes have occurred at the Site since he began working there in 1981. No previous operating locations were known by Site personnel.	

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Finding/Issue	Implication/Corrective Action
Site History (Off-site) 2720 Building A review of historical photographs from 1955, 1968, 1978, 1993 and 1998 indicates that numerous residences were present to the east of the Site in 1955 and the airport was present to the south. A small commercial building replaced some residences to the east in 1968. By 1978, the property to the east had been graded and residences were no longer evident. The road to the north was constructed between 1968 and 1978. A commercial structure to the east was constructed by 1993 and no changes were evident in 1998. The building adjacent to the eastern side of the Site was developed in 1955 along with the airport. The hanger buildings and other structures to the west and north were constructed in 1968 along with an expanded apron to the airport. No changes were evident between1978 and 1998 except that additional hangers were constructed to the north between 1968 and 1978. 2808 Building A review of historical photographs from 1955, 1968, 1978, 1993 and 1998 indicates that the building adjacent to the eastern side of the Site was developed in 1955 along with the airport. The hanger buildings and other structures to the west and north were constructed in 1968 along with an expanded apron to the airport. No changes were evident between1978 and 1998 except that additional hangers were constructed to the north between 1968 and 1978.	
Potential Contaminant Sources Arising from Existing On-site Activities Site observations indicated the following potential contaminant sources arising from current on-site activities: • Heavy oil staining in the engineering test area; • Outdoor equipment rinsing; and • Concrete staining in the dye penatrant area.	The potential for current on-site land uses to cause significant soil and ground water contamination is considered moderate to low.

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Finding/Issue	Implication/Corrective Action
Potential Contaminant Sources Arising from Historic On-site Activities	
Site observations and data review indicated the following potential contaminant sources arising from historic on-site activities: • Historical use and potential release of TCE is unknown. Based on the age of the operations and potential for historical releases of TCE, there is a potential for soil and ground water in the area of the degreaser and downgradient of the degreaser to be impacted.	The potential for historic on-site land uses to cause significant soil and ground water contamination is considered to be moderate.
Potential Contaminant Sources Arising from Existing Off-site Activities	
Observations from the site visit and a Environmental Data Resource (EDR) database review (Annex A) undertaken for significant land uses within a one-mile (1.6 km) radius of the Site revealed the following: Based on the information provided in the database search, no sites were identified with a potential to adversely impact the Site. The listed sites were determined not to have a potential to impact the Site based on (1) distance and/or direction with respect to expected ground water flow direction, (2) no releases to soil or ground water were identified, or (3) releases have been cleaned up and closed by the regulatory agency.	The potential for current off-site land uses to cause significant soil and ground water contamination is considered low.
Potential Contaminant Sources Arising from Historic Off-site Activities	
There are no known off-site sources of contamination within a 1 mile (1.6 km) radius of the Site.	No material issues identified.
Environmental Receptors & Pathways	
Surface water resources. The nearest surface watercourse is the Wide Hollow Creek, across W. Washington Avenue, approximately 1/8 mile (0.2 km) to the north. The Spring and Bachelor Creeks are present south of the Yakima Regional Airport, approximately ¼ mile (0.4 km) south of the Site. ERM was not provided with the type of water use or quality of the Wide Hollow Creek. Based on the number of wells in the area and historic and land use, ERM assumes the wells are irrigation wells. A database search indicates that there are no licensed surface water abstractions within a one mile (1.6 km) radius of the Site.	Given there are no licensed surface water abstractions, ERM considers the sensitivity to be moderate to low. Given the potential for spills from the industrial estate to enter the Wide Hollow Creek, ERM considers the surface water vulnerability to be moderate.

CONFIDENTIAL, patent Atty: Michael W. 9-Dec-06 21:46

Finding/Issue	Implication/Corrective Action
Ground water resources. The soils in the vicinity of the Site are classified as Umapine silt loam soils. The soils are moderately fine or fine textured soils with slow infiltration rates impeding downward movement of water. Depth to ground water in the vicinity of the Site was reported between 1 and 17 feet (0.3-5 m) below ground surface. Site personnel also indicated ground water is shallow at the Site. A database search indicates that there are 69 licensed ground water wells within one mile (1.6 km) of the Site. None of the wells listed were identified as public drinking water supply wells. An irrigation water supply well is located on the Site.	Given the presence of the irrigation water well on-site, ERM considers the sensitivity to be moderate. Given the presence of reported slow infiltration rates and the shallow depth to ground water, the ground water vulnerability for the Site is considered by ERM to be moderate to high.
Surrounding Land uses. The nearest sensitive areas are the residential properties, located approximately ¼ mile (0.4 km) north of the Site.	The residential properties ¼ mile (0.4 km) to the north represent a high environmental sensitivity.
Vegetation/ Ground Stress During the site visit, ERM observed the vegetation to be in good condition with no areas of distressed or dying vegetation identified surrounding the Site.	
Risk Assessment The historic use of the site as an aerospace manufacturing facility since its original development in 1968 as well as the identified potential and known areas of concern creates a high potential for contamination to underlie the site. The groundwater beneath the site is considered to be of moderate to high vulnerability given the presence of reported slow infiltration rates and the shallow depth to ground water. It should be noted that the nature and extent of any on-site contamination and potential remediation costs can only be confirmed after conducting an intrusive investigation, focusing on the areas of concern that have been identified, including but not limited to the engineering test area, outdoor equipment rinsing area, the dye penatrant area, and the TCE vapour degreaser area.	Since the potential for current and past on-site activities to cause significant soil and groundwater contamination is high, a baseline soil and groundwater monitoring program should be performed to confirm or refute the presence of existing contamination within each area. ERM considers it unlikely the Site will attract any regulatory attention for continuation of its present use. Given that the Site is owned, ERM considers that any issues relating to development and historical use of the site are likely to be the responsibility of Smiths.

Where `minor' has been stated in the Implication/Corrective Action column, this indicates a figure <UK£10K.

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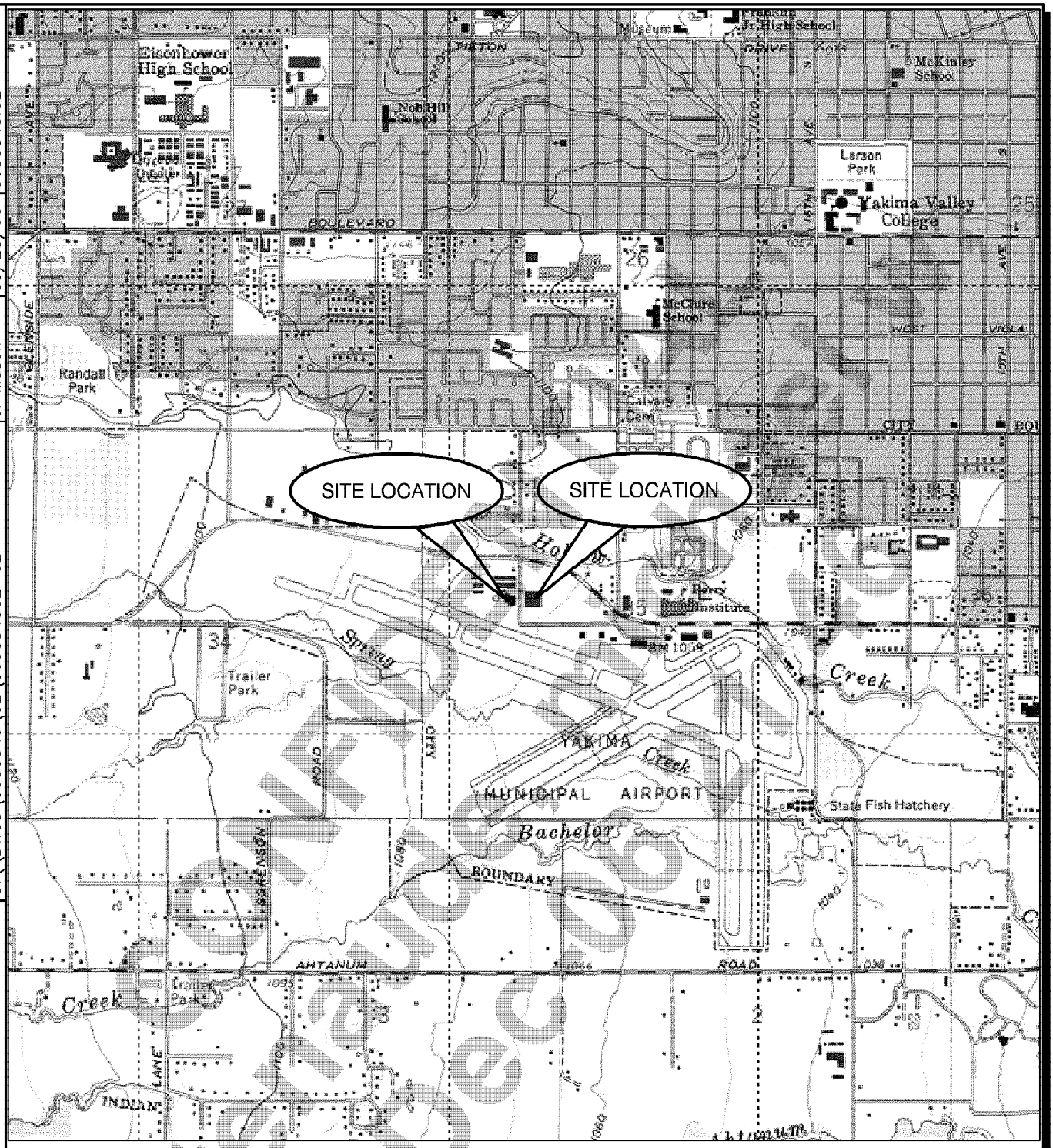
CAD File: G:\DWGS\0055349\02\00553902-02
Drawn By: J. Mason
Date: 09/28/06
Project No. 0055349.02



SCALE 1: 24,000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

N

References:
TOPO!® Software
U.S.G.S. 7.5 Minute Series (Topographic) Quadrangle,
Yakima, Washington
Dated: 1981

Figure 1

Site Location Map

Smiths-Yakima

2720 & 2808 W. Washington Ave.

Yakima, Washington

ERM *09/06*

portland oregon

CAD File:	Drawn By:	Date:	Project No.
G:\\DWGS\0055349\02\005534902-01	J. Mason	09/27/06	0055349.01

Cultural Resources
Planning Database

N

NOT TO SCALE

Figure 1

Site Location Map

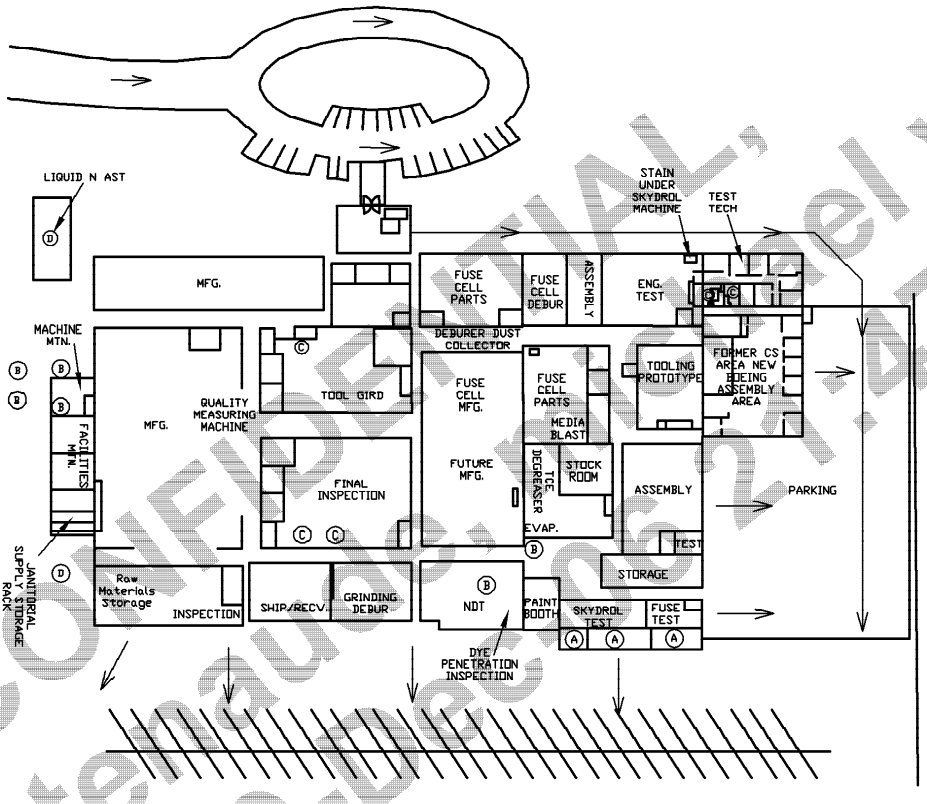
Smiths-Yakima

2720 & 2808 W.Washington Ave.

Yakima, Washington

ERM *09/06*

CAD File:	Drawn By:	Date:	Project No.
G:\\DWGS\0055349\02\005534902-01	J. Mason	09/27/06	0055349.01



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NOT TO SCALE

Figure 2

Site Layout

Smiths-Yakima

2720 & 2808 W. Washington Ave.

Yakima, Washington

ERM *09/06*

Annex A

EDR Report

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9-Dec-16 21:47

The EDR Radius Map
with GeoCheck®

Smiths
2720 W Washington Ave
Yakima, WA 98902

Inquiry Number: 1756353.2s

September 18, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2720 W WASHINGTON AVE
YAKIMA, WA 98902

COORDINATES

Latitude (North):	46.573100 - 46° 34' 23.2"
Longitude (West):	120.544900 - 120° 32' 41.6"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	688134.5
UTM Y (Meters):	5160436.0
Elevation:	1074 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	46120-E5 YAKIMA WEST, WA
Most Recent Revision:	1985

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
SMITHS AEROSPACE ACTUATION SYSTEM 2720 W WASHINGTON AVE YAKIMA, WA 98903	RCRA-SQG FINDS WA MANIFEST	WAD009266511
DOWTY AEROSPACE YAKIMA 2720 W WASHINGTON AVE YAKIMA, WA 98903	HAZNET	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL ---------- National Priority List

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EXECUTIVE SUMMARY

Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSL	Hazardous Sites List
SWF/LF	Solid Waste Facility Database
SWTIRE	Solid Waste Tire Facilities
AST	Aboveground Storage Tank Locations
SPILLS	Reported Spills
INST CONTROL	Institutional Control Site List
DRYCLEANERS	Drycleaner List
CDL	Clandestine Drug Lab Contaminated Site List
NPDES	Water Quality Permit System Data
EMI	Washington Emissions Data System
Inactive Drycleaners	Inactive Drycleaners

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CERCLIS-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 07/17/2006 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
IRWIN RESEARCH & DEVELOPMENT	***1702 S 24TH AV***	***1/8 - 1/4 ENE***	***10***	***21***

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
YAKIMA AIRPORT	***2800 W WASHINGTON AVE***	***0 - 1/8 WNW***	***B3***	***10***
SOLAR GRAPHICS INC	***2804 W WASHINGTON STE 4***	***0 - 1/8 WNW***	***B4***	***11***
IRWIN RESEARCH & DEVELOPMENT	***1702 S 24TH AV***	***1/8 - 1/4 ENE***	***10***	***21***

Lower Elevation	Address	Dist / Dir	Map ID	Page
BLAZE CONSTRUCTION INC	***2520 W WASHINGTON***	***1/8 - 1/4 ESE***	***7***	***18***
HORIZON AIR YAKIMA AIR TERMINA	***2400 W WASHINGTON AVE***	***1/8 - 1/4 SE***	***D15***	***25***

GEOCHECK PROPRIETARY INFORMATION

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 08/17/2006 has revealed that there are 11 CSCSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NOLAND DECOTO FLYING SER INC	*2809 W WASHINGTON PO BO*	*0 - 1/8 WNW*	*B6*	*13*
WESTERN RECREATIONAL VEHICLES	*3401 WEST WASHINGTON AV*	*1/4 - 1/2 W*	*20*	*34*
KISSEL PARK	32ND AVE / MEAD AVE	1/4 - 1/2 NW	G26	54
MCCLURE ELEMENTARY SCHOOL	*1222 S 22ND AVE*	*1/2 - 1 NNE*	*28*	*57*
TIGER OIL 24TH AVE & W NOB HIL	2312 W NOB HILL BLVD	1/2 - 1 NNE	29	58
SAFEWAY FUEL CENTER 1235	*2204 W NOB HILL BLVD*	*1/2 - 1 NNE*	*30*	*61*

Lower Elevation	Address	Dist / Dir	Map ID	Page
YAKIMA AIR TERMINAL	*2400 W WASHINGTON AVE*	*1/8 - 1/4 SE*	*D16*	*26*
YAKIMA CITY AIRPORT	*2300 W WASHINGTON AVE*	*1/4 - 1/2 ESE*	*E18*	*31*
WAYNE G TURNER AIRCRAFT SERVIC	*2008 W WASHINGTON AVE*	*1/4 - 1/2 ESE*	*F22*	*50*
MCALLISTER FLYING SERVICE	*2000 S 16TH AVE*	*1/2 - 1 ESE*	*27*	*55*
RICHARDSON AIRWAYS	*YAKIMA MUNICIPAL AIRPOR*	*1/2 - 1 SE*	*31*	*62*

CSCSL NFA: The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a No Further Action code is entered based upon the type of NFA determination the site received.

A review of the CSCSL NFA list, as provided by EDR, and dated 08/17/2006 has revealed that there is 1 CSCSL NFA site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
IRWIN RESEARCH & DEVELOPMENT	*1702 S 24TH AV*	*1/8 - 1/4 ENE*	*10*	*21*

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 06/08/2006 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NOLAND DECOTO FLYING SER INC	*2809 W WASHINGTON PO BO*	*0 - 1/8 WNW*	*B6*	*13*
WESTERN RECREATIONAL VEHICLES	*3401 WEST WASHINGTON AV*	*1/4 - 1/2 W*	*20*	*34*

Lower Elevation	Address	Dist / Dir	Map ID	Page
YAKIMA AIR TERMINAL	*2400 W WASHINGTON AVE*	*1/8 - 1/4 SE*	*D16*	*26*

Provided by EDR, Inc.

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
CITY OF YAKIMA AIRPORT	***2300 W WASHINGTON AVE***	***1/4 - 1/2 ESE***	***E19***	***33***
WAYNE G TURNER/CORP. AIRCRAFT	***2008 W WASHINGTON AVE***	***1/4 - 1/2 ESE***	***F24***	***52***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 06/08/2006 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FLIGHT LINE CONVENIENCE STORE	2805 W WASHINGTON AVE	0 - 1/8 WNW	B5	13
NOLAND DECOTO FLYING SER INC	***2809 W WASHINGTON PO BO***	***0 - 1/8 WNW***	***B6***	***13***
GRAHAM EQUIPMENT	3003 W WASHINGTON	1/8 - 1/4 W	C9	20
KNDO-TV	1608 S 24TH AVE	1/8 - 1/4 NE	13	23

Lower Elevation	Address	Dist / Dir	Map ID	Page
NATIONAL WEATHER SERVICE	2406 W. WASHINGTON AVE.	1/8 - 1/4 SE	D11	22
CITY OF YAKIMA FIRE DEPT	2404 W WASHINGTON AVE	1/8 - 1/4 SE	D14	24
YAKIMA AIR TERMINAL	***2400 W WASHINGTON AVE***	***1/8 - 1/4 SE***	***D16***	***26***

MANIFEST: Hazardous waste manifest information.

A review of the WA MANIFEST list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 WA MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SOLAR GRAPHICS INC	***2804 W WASHINGTON STE 4***	***0 - 1/8 WNW***	***B4***	***11***

VCP: Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

A review of the VCP list, as provided by EDR, and dated 08/17/2006 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
IRWIN RESEARCH & DEVELOPMENT	***1702 S 24TH AV***	***1/8 - 1/4 ENE***	***10***	***21***
WESTERN RECREATIONAL VEHICLES	***3401 WEST WASHINGTON AV***	***1/4 - 1/2 W***	***20***	***34***

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there are 6 ICR sites within approximately 0.5 miles of the target property.

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EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NOLAND DECOTO FLYING SER INC	***2809 W WASHINGTON PO BO***	***0 - 1/8 WNW***	***B6***	***13***
GRAHAM EQUIPMENT	3003 W. WASHINGTON AVE.	1/8 - 1/4 W	C8	19
WESTERN RECREATIONAL VEHICLES	***3401 WEST WASHINGTON AV***	***1/4 - 1/2 W***	***20***	***34***

Lower Elevation	Address	Dist / Dir	Map ID	Page
YAKIMA AIR TERMINAL	2400 W. WASHINGTON AVE.	1/8 - 1/4 SE	D17	31
J.M. PERRY TECHNICAL INSTITUTE	2011 W. WASHINGTON	1/4 - 1/2 ESE	F21	50
YAKIMA AIR TERMINAL	2008 W. WASHINGTON AVE.	1/4 - 1/2 ESE	F23	52

BROWNFIELDS: A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

A review of the BROWNFIELDS list, as provided by EDR, and dated 08/10/2006 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
KISSEL PARK	***32ND AVE & MEAD AVE***	***1/4 - 1/2 NW***	***G25***	***54***

TRIBAL RECORDS

INDIAN UST: A listing of underground storage tank locations on Indian Land.

A review of the INDIAN UST list, as provided by EDR, and dated 06/08/2006 has revealed that there is 1 INDIAN UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
FAA, YAKIMA RCAG	2406 W WASHINGTON AVE	1/8 - 1/4 SE	D12	23

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9-Dec-06

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
CASCADE VALLEY LUBE	CSCSL
UPS YAKIMA	RCRA-SQG, CSCSL, FINDS, WA MANIFEST
HATHAWAY AVE SITE	CSCSL, FINDS
LEWIS & CLARK MIDDLE SCHOOL	CSCSL
CRAIGS TEXACO SERVICE	CSCSL, FINDS
AGRI TECH YAK STEEL FAB	CSCSL, FINDS, INST CONTROL
LONGFIBER ROAD SITE	CERC-NFRAP
NOEL TRANSPORT	SPILLS, ICR
UNITED STATES POSTAL SERVICE	UST
CEREXAGRI INC YAKIMA	RCRA-SQG, FINDS, WA MANIFEST
AT&T YAKIMA AVE	PADS, RCRA-SQG, FINDS, WA MANIFEST
RYDER TRUCK RENTAL (TWO REPORTS)	ICR
RYDER TRUCK RENTAL	ICR
UNITED PARCEL SERVICE	ICR
TSA YAKIMA AIR TERMINAL MCALLISTER FIELD	WA MANIFEST

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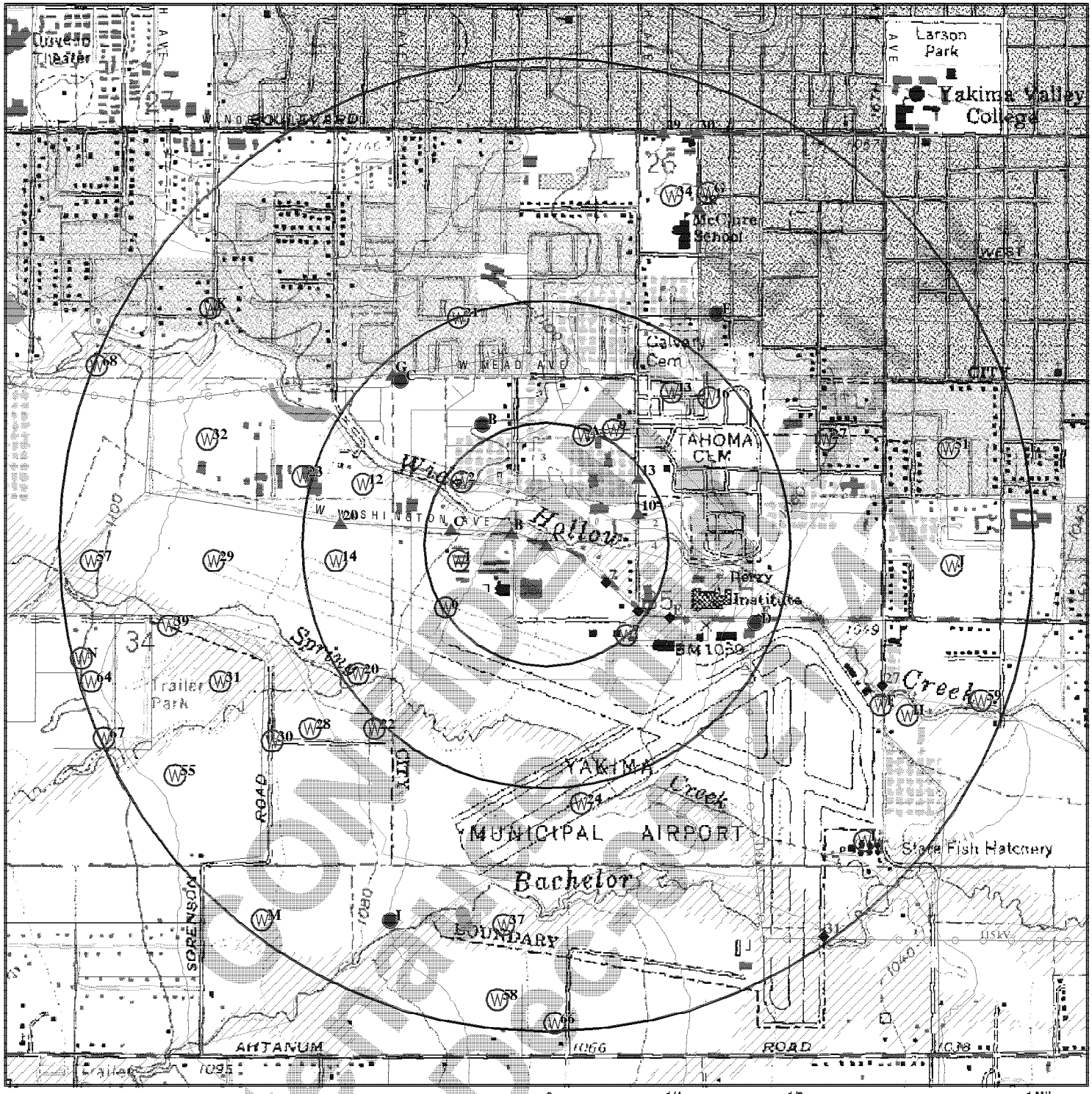
pat.naude.michels
9-Dec-16 21:XX

OVERVIEW MAP - 1756353.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Smiths	CLIENT: ERM - West, Inc.
ADDRESS: 2720 W Washington Ave Yakima WA 98902	CONTACT: Kim Scully
LAT/LONG: 46.5731 / 120.5449	INQUIRY #: 1756353.2s
	DATE: September 18, 2006 7:55 am

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DETAIL MAP - 1756353.2s

Hollow.
Standard Environmental Records

0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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	DATE: September 18, 2006 7:55 am

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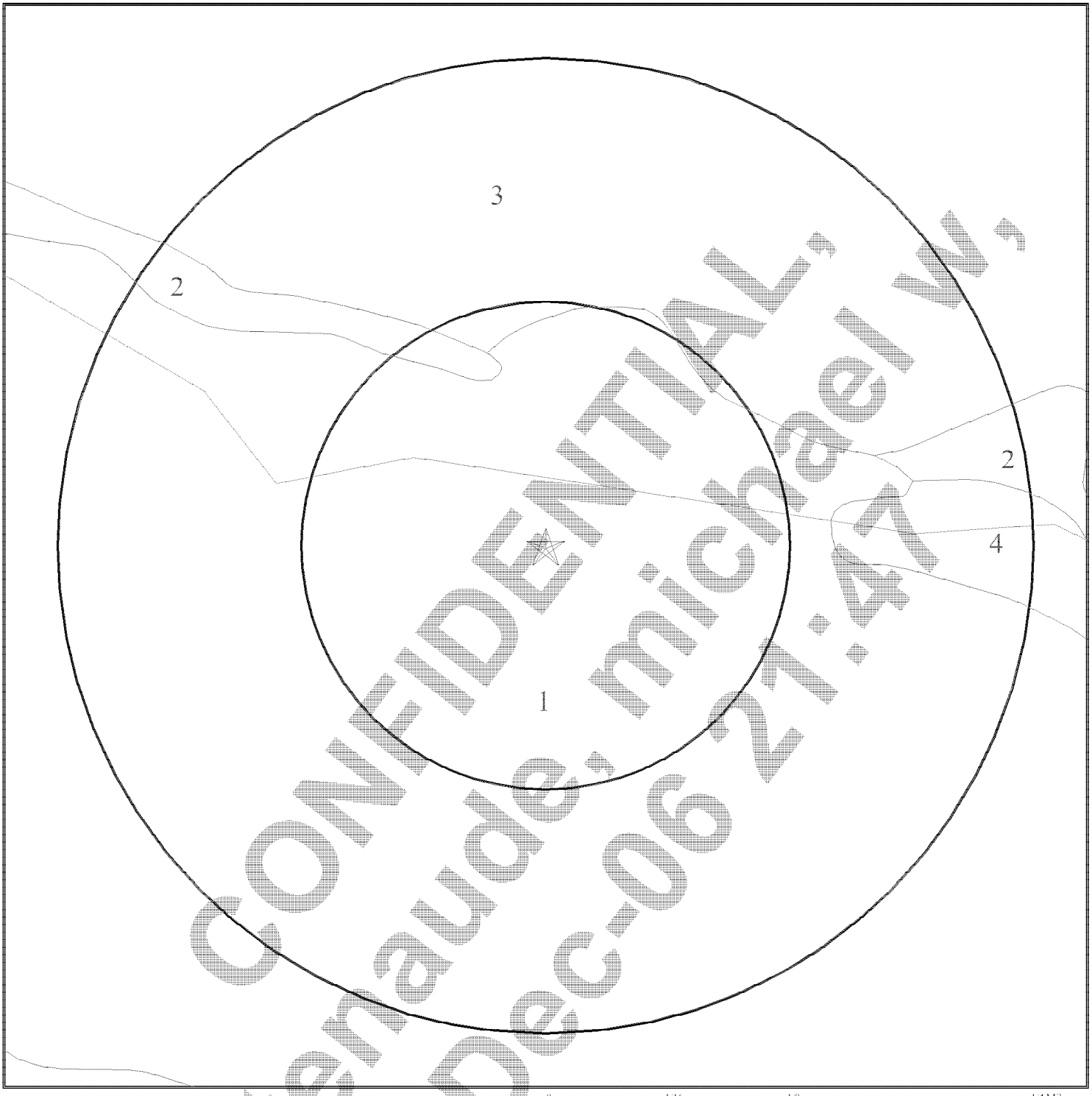
SSURGO SOIL MAP - 1756353.2s



☆ Target Property
SSURGO Soil
Water

CONFIDENTIAL
patrick.michael@erm.com
9-Dec-06 21:47

SITE NAME: Smiths	CLIENT: ERM - West, Inc.
ADDRESS: 2720 W Washington Ave Yakima WA 98902	CONTACT: Kim Scully
LAT/LONG: 46.5731 / 120.5449	INQUIRY #: 1756353.2s DATE: September 18, 2006 7:55 am

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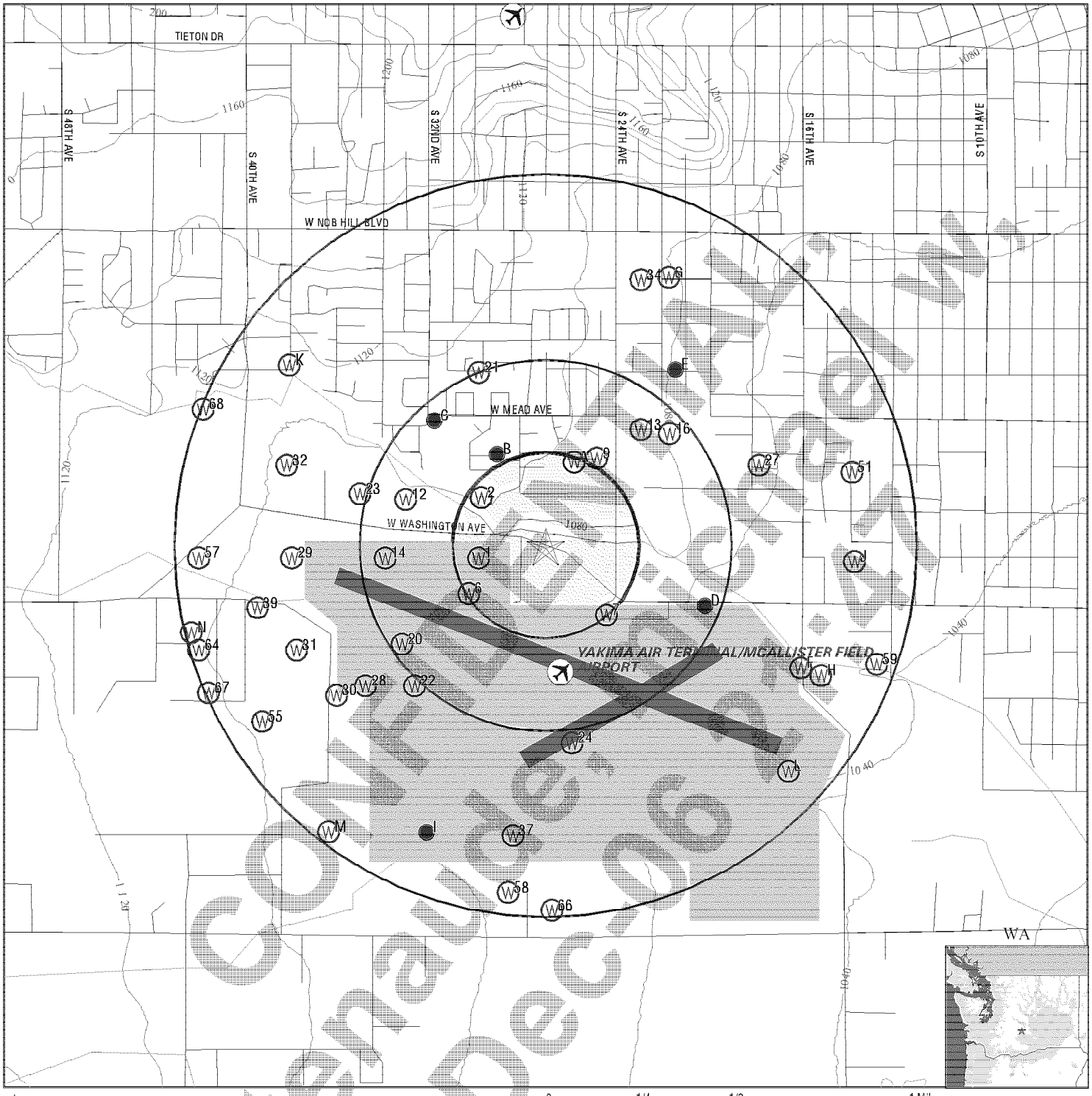
PHYSICAL SETTING SOURCE MAP - 1756353.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data

SITE NAME: Smiths	CLIENT: ERM - West, Inc.
ADDRESS: 2720 W Washington Ave Yakima WA 98902	CONTACT: Kim Scully
LAT/LONG: 46.5731 / 120.5449	INQUIRY #: 1756353.2s
	DATE: September 18, 2006 7:55 am

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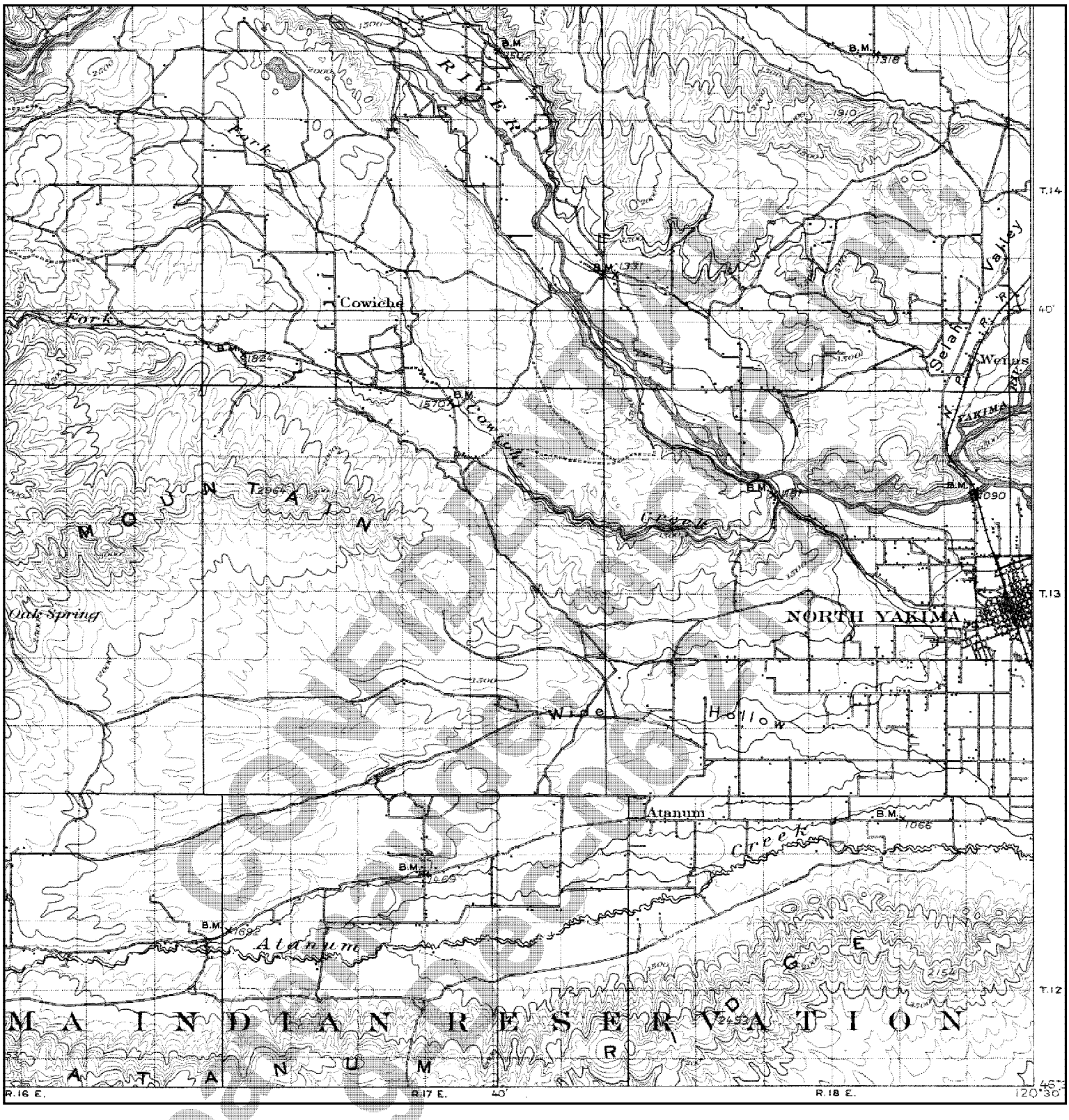
Historical Topographic Map



N	TARGET QUAD NAME: Ellensburg, WA MAP YEAR: 1901 SERIES: 30 SCALE: 1:125,000	SITE NAME: Smiths ADDRESS: 2720 W Washington Ave Yakima, WA 98902 LAT/LONG: 46.5731 / 120.5449	CLIENT: ERM - West, Inc. CONTACT: Kim Scully INQUIRY#: 1756353.4 RESEARCH DATE: 09/18/2006

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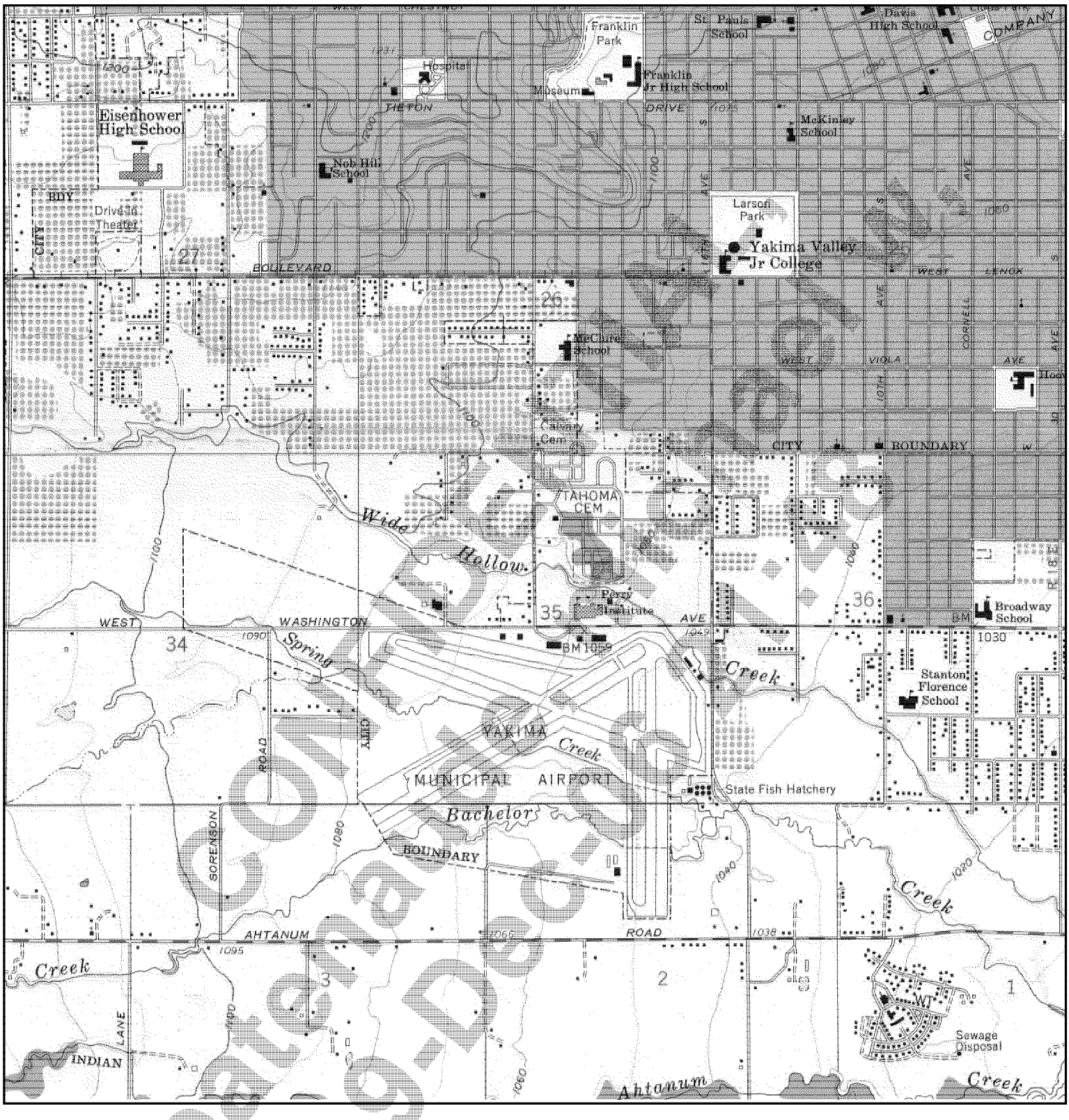
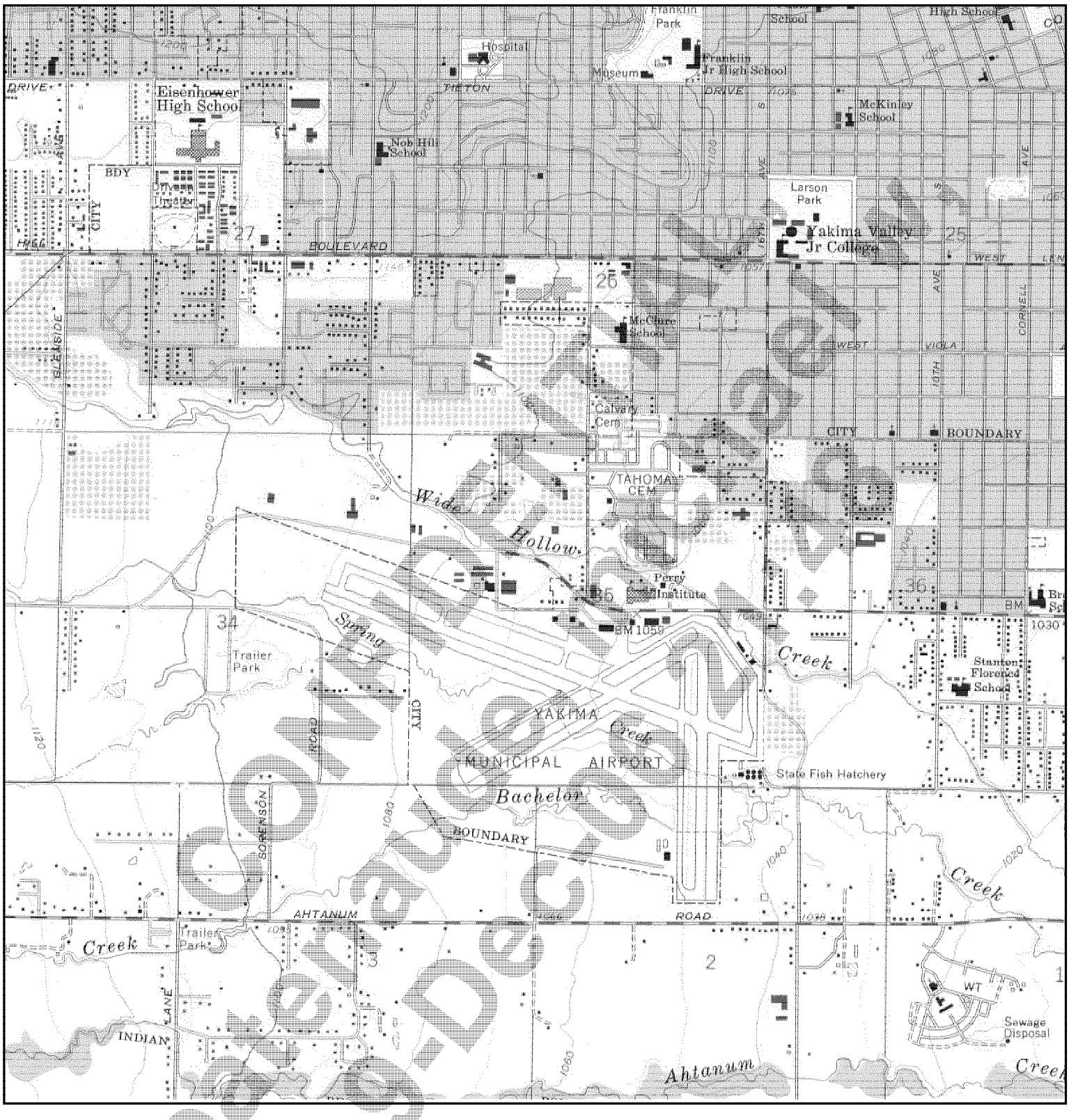
Historical Topographic Map



Original Report

N	TARGET QUAD NAME: Yakima West, WA MAP YEAR: 1958 SERIES: 7.5 SCALE: 1:24,000	SITE NAME: Smiths ADDRESS: 2720 W Washington Ave Yakima, WA 98902 LAT/LONG: 46.5731 / 120.5449	CLIENT: ERM - West, Inc. CONTACT: Kim Scully INQUIRY#: 1756353.4 RESEARCH DATE: 09/18/2006

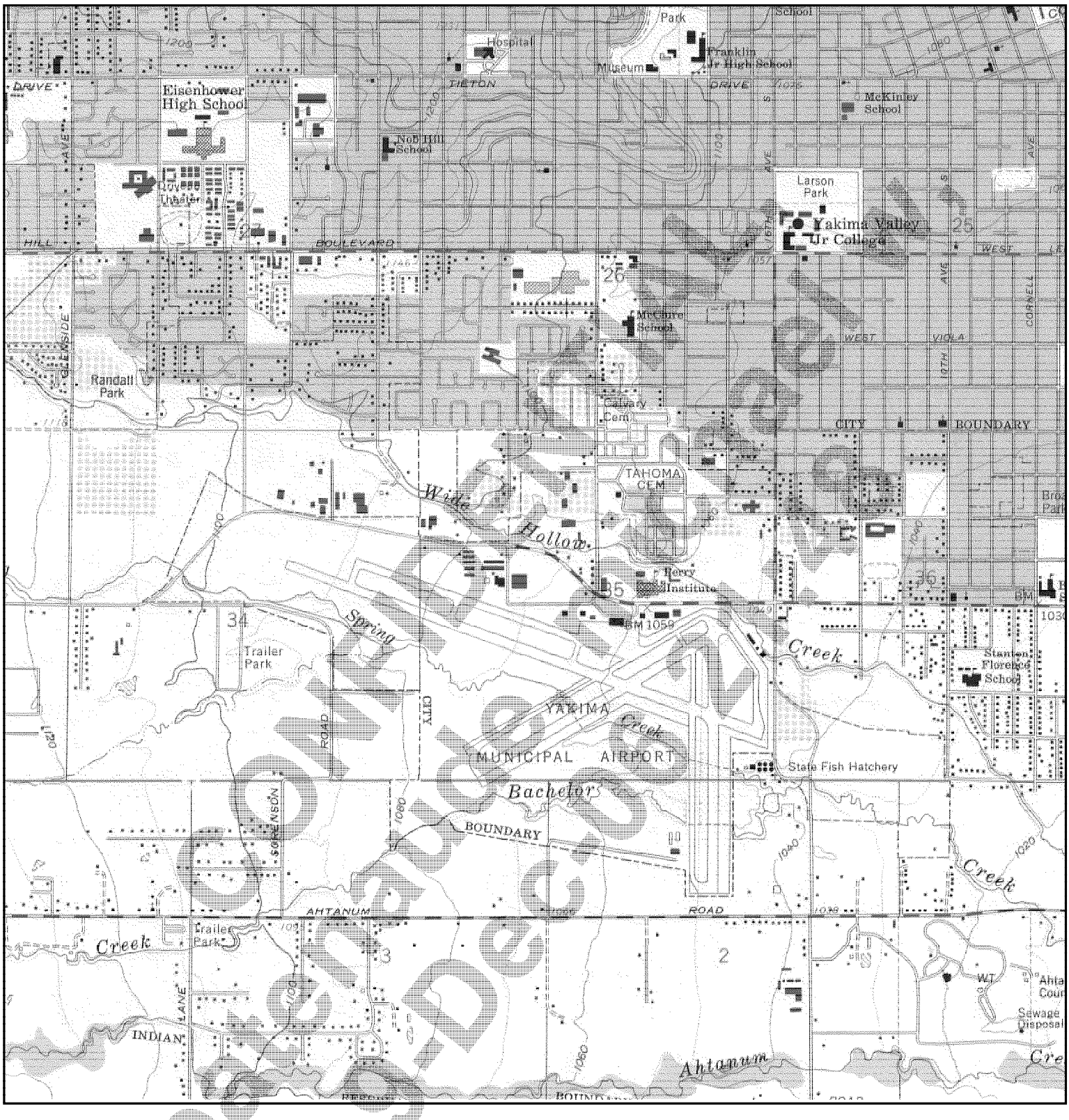
Historical Topographic Map



Confidential Property of EDR

N	TARGET QUAD NAME: Yakima West, WA MAP YEAR: 1974 PHOTO REVISED: 1958 SERIES: 7.5 SCALE: 1:24,000	SITE NAME: Smiths ADDRESS: 2720 W Washington Ave Yakima, WA 98902 LAT/LONG: 46.5731 / 120.5449	CLIENT: ERM - West, Inc. CONTACT: Kim Scully INQUIRY#: 1756353.4 RESEARCH DATE: 09/18/2006

Historical Topographic Map



Online Sample

N	TARGET QUAD NAME: Yakima West, WA MAP YEAR: 1985 PHOTO REVISED: 1958 SERIES: 7.5 SCALE: 1:24,000	SITE NAME: Smiths ADDRESS: 2720 W Washington Ave Yakima, WA 98902 LAT/LONG: 46.5731 / 120.5449	CLIENT: ERM - West, Inc. CONTACT: Kim Scully INQUIRY#: 1756353.4 RESEARCH DATE: 09/18/2006

Annex B

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Property of Microsemi Corporation
Patent Pending
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Photo 1 *Front of Building*

Photo 2 *East elevation*

Complete Code 2021

Photo 3 *South elevation*

Photo 4 *West elevation*

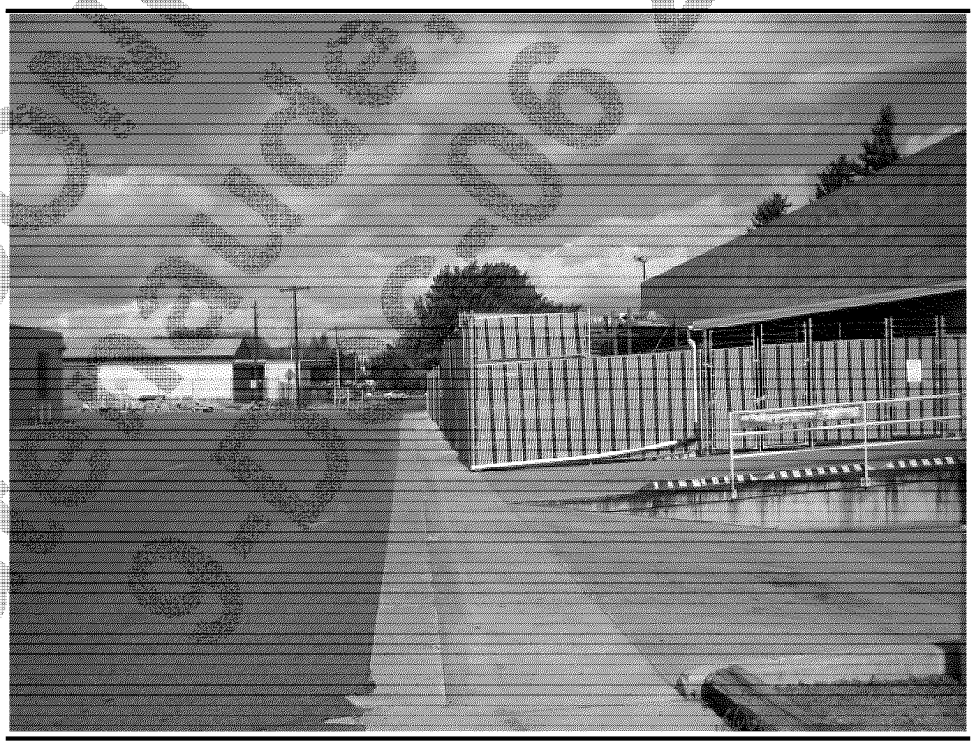

Photo 5 *Fenced storage area on North West portion of property*

Photo 6 *Scrap metal storage outside on North West portion of property*

Photo 7 *Wash area in North West fenced portion of property.*

Photo 8 *Irrigation well on Northern portion of property*

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Photo 9 *Hazardous waste storage area on South West portion of property*

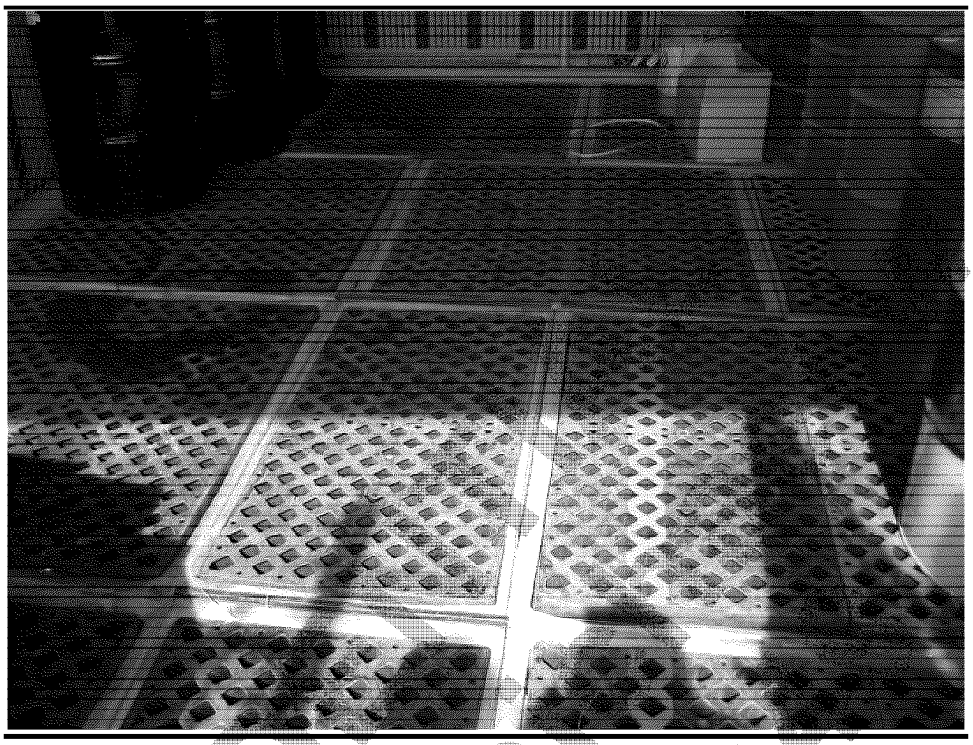

Photo 10 *TCE drum stored outside on loading dock area on South West portion of property*

Photo 11 *Chillers on top of Skydrol pump house on south side of property.*

Photo 12 *Assembly area in Eastern portion of building.*

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partial

Photo 13 *Looking West across new CNC borehole area in Northern portion of production area.*

Photo 14 *Hydraulic fluid distribution and storage along West wall of production area.*

Photo 15 *Facilities maintenance area and janitorial supply storage in South West portion of building.*

Photo 16 *Wastewater collection station in machine maintenance area in Western portion of building.*

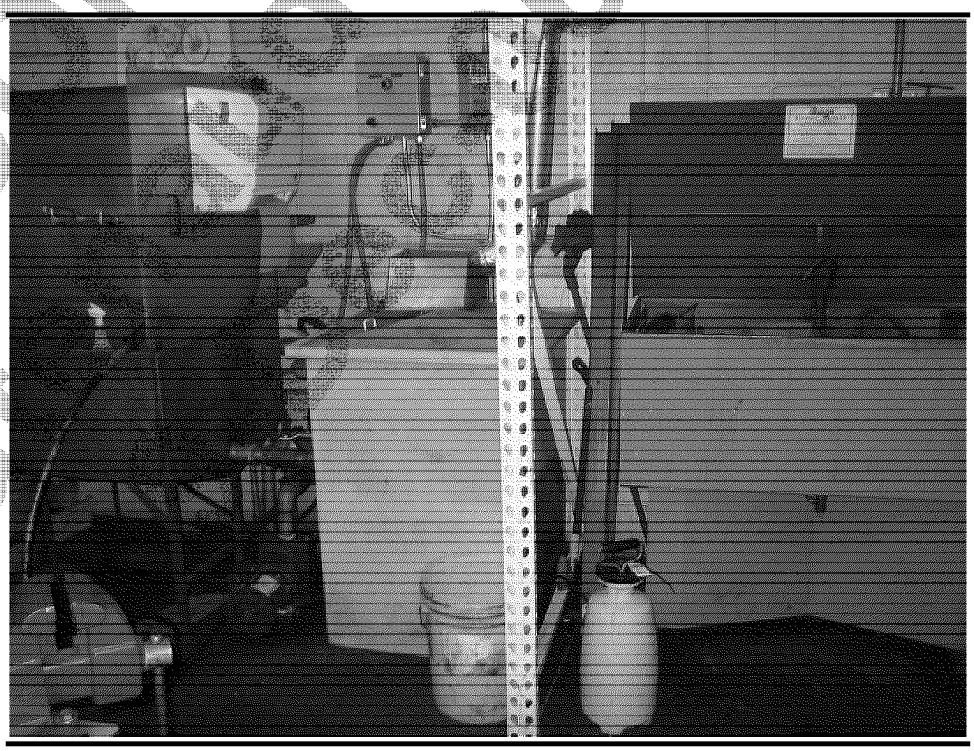

Photo 17 *Dye penatrant system in Southern portion of building. Heavy staining under sink.*

Photo 18 *Skydrol test bench in South Eastern portion of building.*

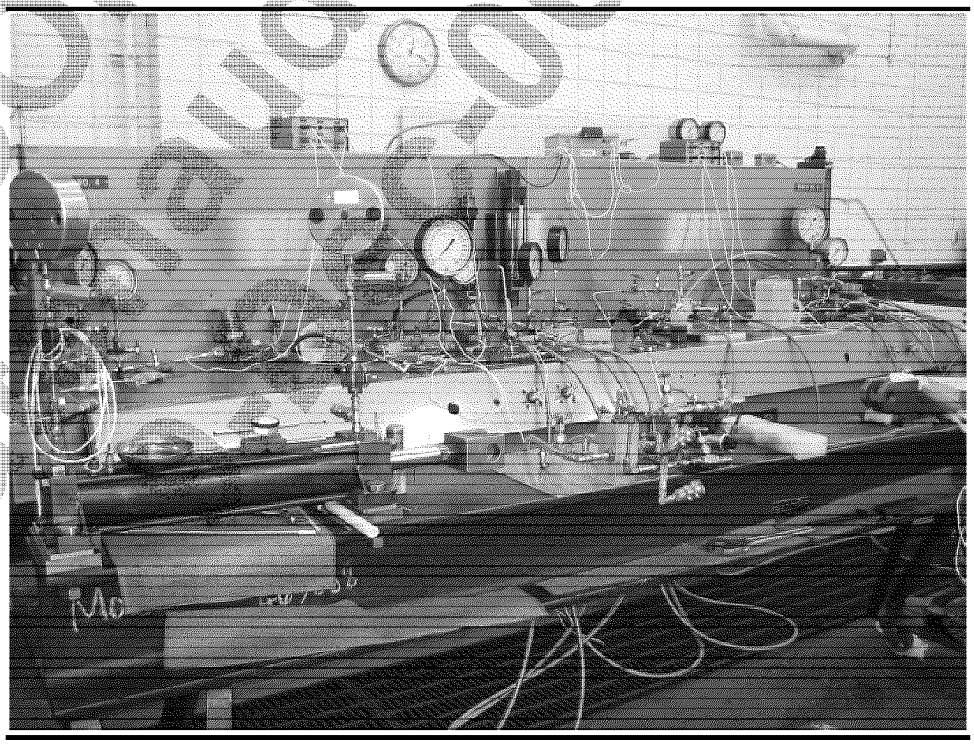

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Photo 19 *Paint booth in Southern portion of building.*

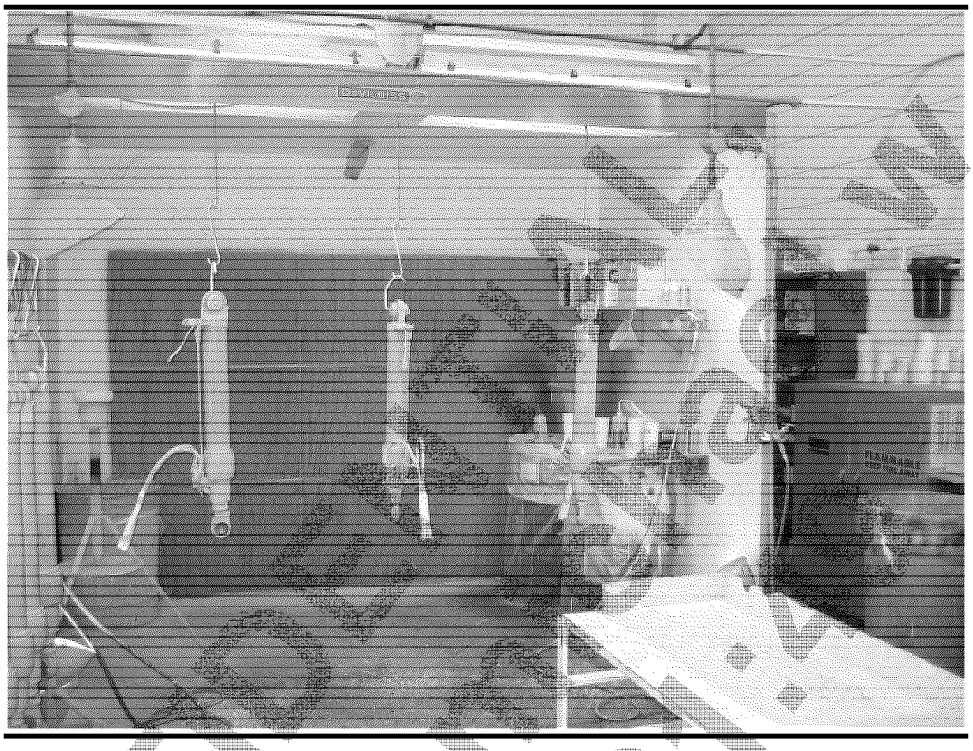
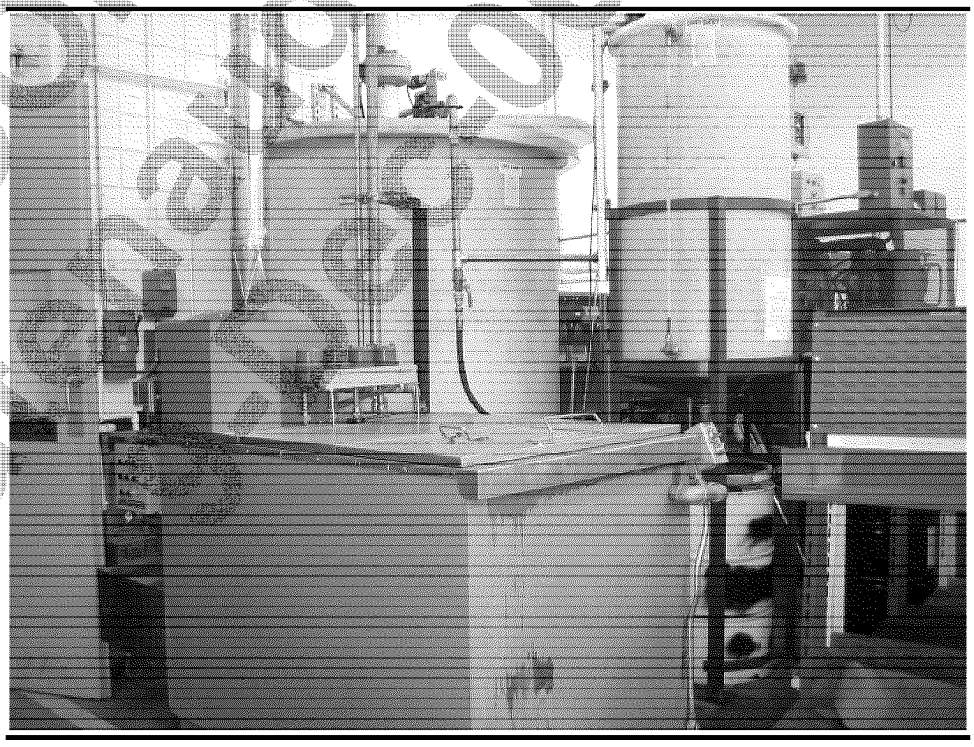


Photo 20 *Wastewater evaporation and oil skimming tanks in central portion of building.*



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part of page 6 of 12

Photo 21 *TCE vapour degreaser in central portion of property.*

Photo 22 *Heavy staining beneath Skydrol test machine in North Eastern portion of building.*

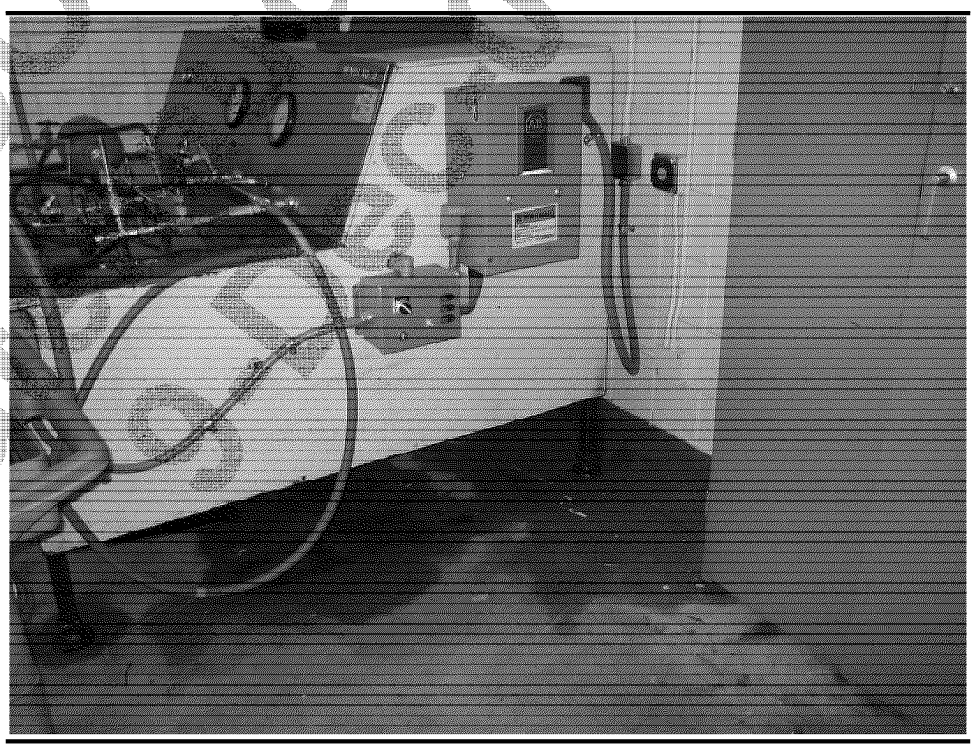

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Photo 23 *Debur machine in Northern portion of building.*

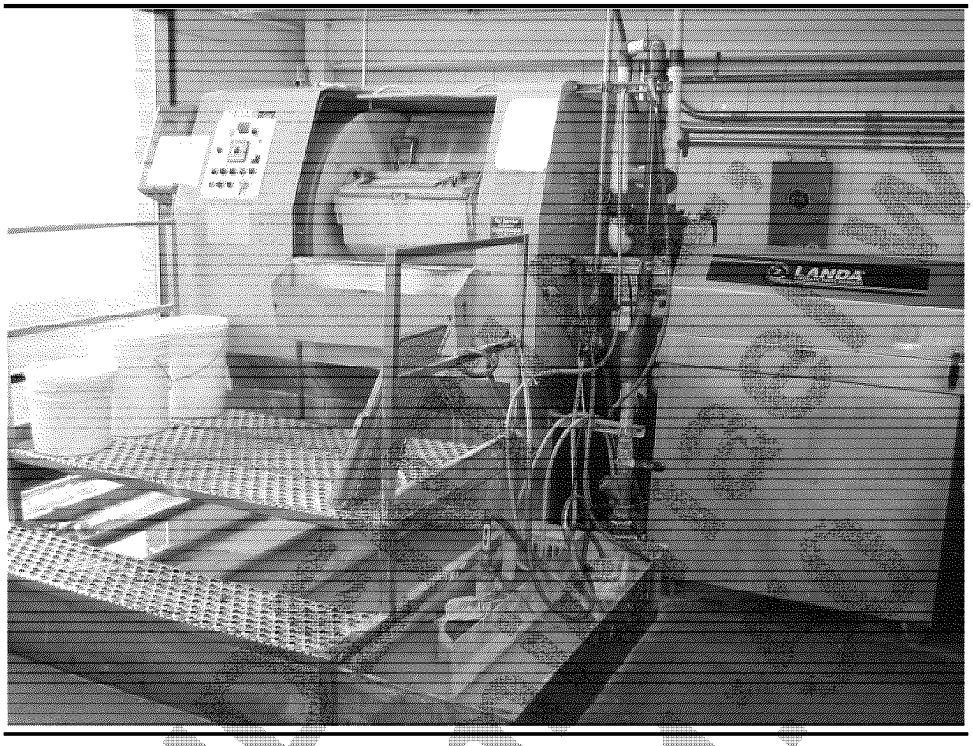

Photo 24 *Metal dust collection in grinding area in Southern portion of building.*

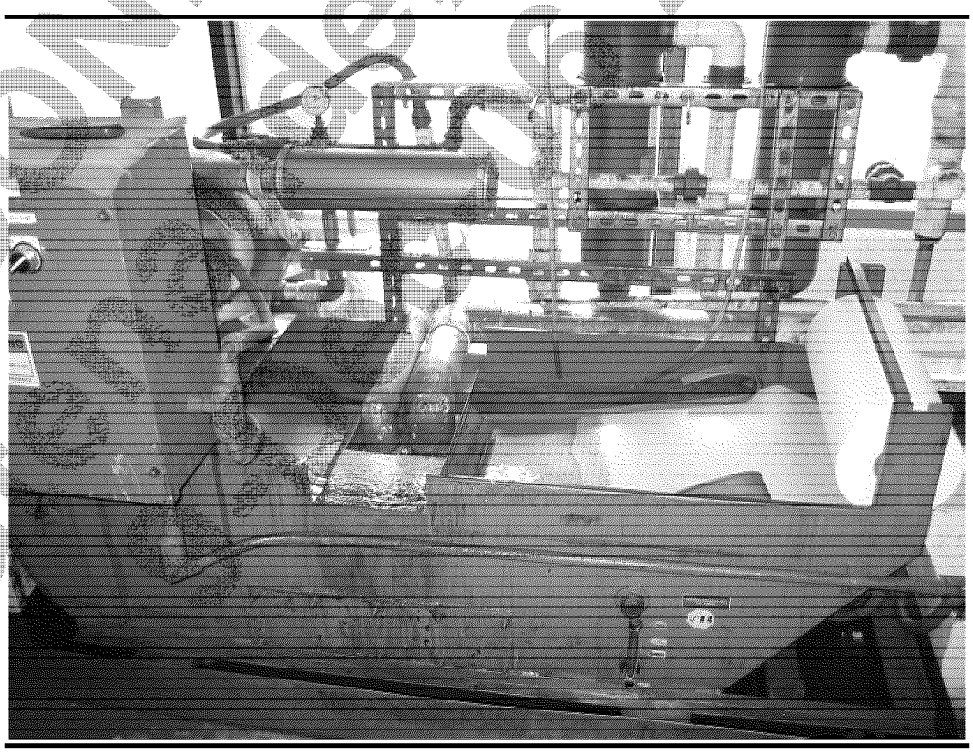

Photo 25 *Looking West at 2808 building.*

Photo 26 *Northern side of 2808 building.*

Photo 27 *Customer Service area in 2808 building.*

Photo 28 *Property owner removed section of concrete in North Western area of 2808 building.*

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Photo 29 *Hydraulic pump area in Western portion of 2808 building.*

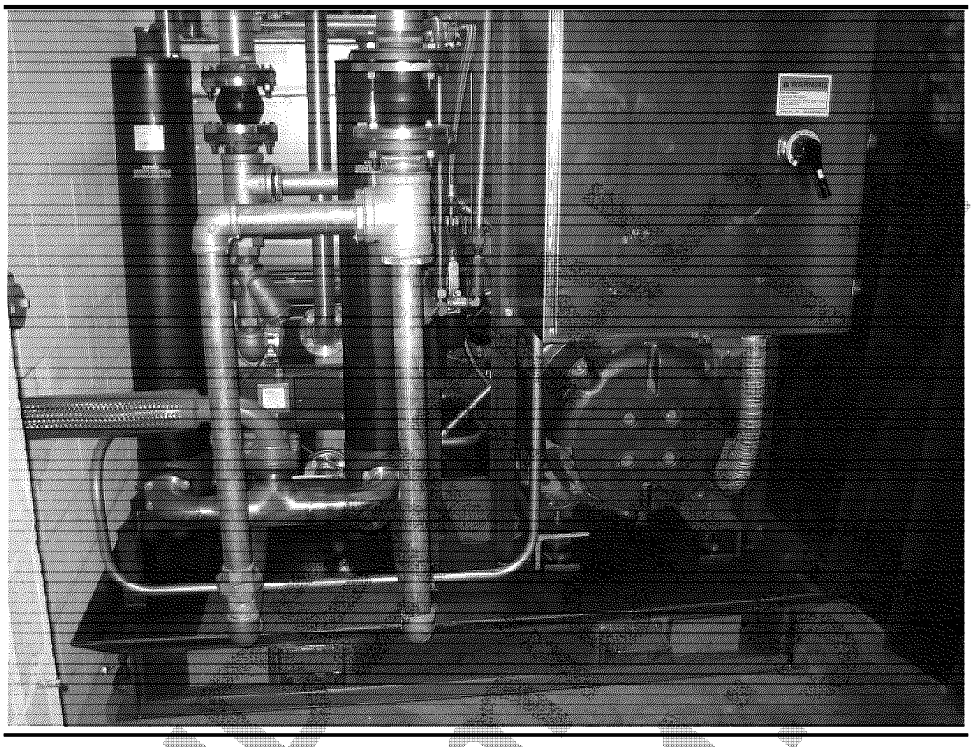

Photo 30 *Hazardous waste collection area in Southern portion of 2808 building.*