PORT OF BENTON

April 29, 2010

Department of Ecology
Central Regional Office
Ms. Laura Klasner, P.E., Site Manager
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

Subject: Updated Final Interim Action Report
(as per Agreed Order No. DE 6070)

Dear Ms. Klasner:

In accordance with Section VII, Paragraph A of Agreed Order No. DE 6070, the Port of Benton respectfully submits the enclosed Updated Final Interim Action Report that has been signed by Brett D. Smith PE, LG. This report has been carefully reviewed and the Port agrees with its content and conclusions.

Please feel free to contact me or Brett Smith if you have any questions, concerns or comments regarding this submittal.

Sincerely,

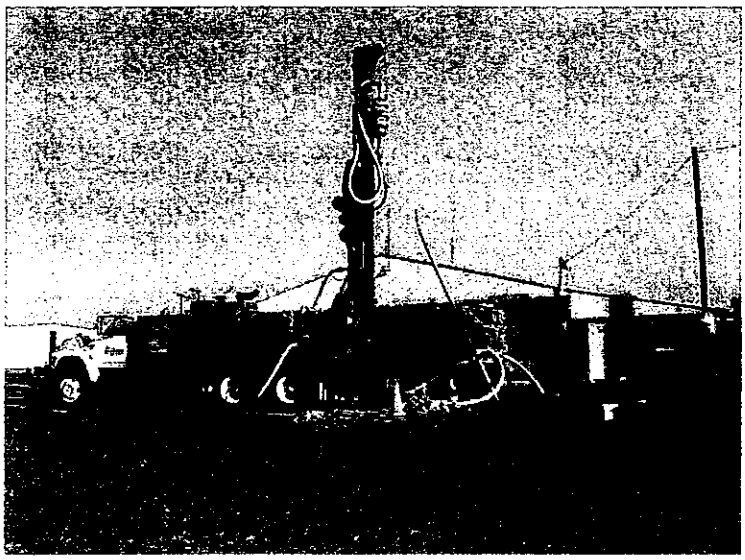
John D. Haakenson,
Director of Airports & Operations

Enclosure

c: Port Counsel

3100 George Washington Way • Richland, WA 99354 • (509) 375-3060 • Fax: (509) 375-5287

UPDATED FINAL INTERIM ACTION REPORT for Ecology Agreed Order DE 6070
Prosser Aircraft Applicators Site (FS # 7474148)



Prosser Airport
221 Nunn Road
Prosser, WA 99350

April 28, 2010

Prepared for:

The Port of Benton
Attn: Mr. John Haakenson
Director of Airports & Operations
3100 George Washington Way
Richland, Washington 99354

Prepared by:

Brett D. Smith PE, LG / **Environmental Compliance Associates, LLC**
for
The EMPIRICAL Company
7320 West Hood Place, Suite 101
Kennewick, WA 99336

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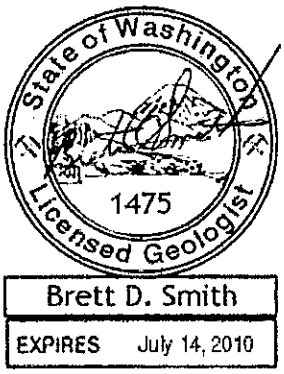
APPENDICES

1 APPROVAL AND CERTIFICATION

Environmental Compliance Associates, LLC (ECA) has prepared this *Updated* Final Interim Action Report (Report) for the **Port of Benton** (Port) of Richland, Washington while working as a subcontractor to **The EMPIRICAL Company** (TEC) of Kennewick, Washington. This Report was prepared in accordance with Washington Administrative Code (WAC) 173-340-430(7), WAC 173-340-350 and WAC 173-340-515, utilizing methods and procedures consistent with good commercial or customary practice designed to conform to acceptable industry standards. Factual information and ongoing data regarding past and present site conditions was provided by Port personnel, TEC personnel and personnel of the original environmental consulting firm, White Shield, Inc. of Pasco, Washington. All such information and data have been assumed to be correct and complete.

However, ECA cannot guarantee that said information is accurate or complete. This Report represents ECA's professional opinion only, such that no warranty, expressed or implied, can be made.



Brett D. Smith PE, LG
Environmental Compliance Associates, LLC

April 29, 2010
Date

2 INTRODUCTION

This Report has been prepared regarding the former Prosser Aircraft Applicators Site (FS # 7474148) that is owned by the Port. This Report is an updated version of the original Final Interim Action report dated July 11, 2009 regarding the interim action that was completed April 22, 2009, when the initial groundwater sampling of the resource protection (monitoring) well system was conducted in accordance with the Work Plan described in Exhibit B (see Appendix B) of Agreed Order DE 6070. The Agreed Order was developed through a mutual agreement between The Port and the Central Regional Office of the Washington State Department of Ecology (Ecology). In March 2009, Ecology approved a significant modification to the Work Plan that eliminated three of four proposed monitoring wells that were to be installed within the footprint of the currently backfilled excavation (discussed later). In lieu of installing these wells, TEC installed two additional wells that should improve the effectiveness of the downgradient monitoring system.

The use of such acronyms as RCRA, MTCA and BTEX are made without description throughout this Report, given that the "audience" comprises regulatory professionals already conversant with these terms.

3 SITE HISTORY AND BACKGROUND

The Port has owned the Prosser Airport property since 1961. The hangar structure associated with the Prosser Airport Aircraft Applicators Site (Site) was owned and operated by Mr. Marvin Bonny. Circa November 1961, the hangar was constructed on land leased from the Port of Benton since July 14, 1961 (see Site Plan in Appendix A). The Port of Benton acquired the hangar February 2, 2007, when the official Lease Termination Agreement between the Port of Benton and Aircraft Applicators, Inc. became effective.

Since the 1961 Lease Agreement, Aircraft Applicators, Inc. began onsite activities (ie, storage, mixing, and loading of pesticides onto aircraft and the refueling, maintenance and washing thereof) that were consistent with the operation of an aerial herbicide / pesticide application business. Additional site characterization and subsequent independent remedial activities performed by WSI confirmed petroleum contamination and pesticides present in both soil and groundwater at concentrations above MTCA (Method B) cleanup levels.

At the request of Mr. Marvin Bonny, WSI conducted sampling of stained surface soils at the Site during May 2, 2006 and August 23, 2006, where analytical results indicated the presence of organochlorine pesticides (primarily DDD, DDE and DDT) at concentrations exceeding MTCA cleanup levels. The primary area of contamination was an area of stained soils located north of the former fenced pesticide storage yard (Chemical Storage Area) shown in the Site Plan. Smaller areas of contamination were also found beneath the former concrete pads that were utilized to wash the planes that aerially applied the chemicals.

In March of 2007, the Port of Benton and WSI initiated an independent remedial action and began the excavation and disposal of the contaminated soils. During this excavation soils contaminated with the herbicide Dinoseb were discovered west of the hangar building. Additionally, petroleum contaminated soils and perched groundwater were identified in the location of a former underground aviation fuel storage tank (capacity ~ 1,000 gallons) that was removed circa 1990. WSI estimated that approximately 475 tons of Dinoseb and petroleum contaminated soils existed in this area. Due to rising groundwater levels, all excavation activities were stopped in April 2007.

In June 2007, WSI installed four groundwater-monitoring wells (MW-1, MW-2, MW-3 and MW-4) shown in the Site Plan and revealed in the well diagrams (Appendix D).

In February 2008, WSI performed gridded sampling of the soils at the Site, as shown in the Excavations and Soil Sampling Locations Map (Map) in Appendix A. Shallow soil samples were collected on a 25-foot grid across the Site and on a 15-foot grid in the former Chemical Storage Area. Samples from beneath the floor of the Storage Shed were also collected and analyzed.

After WSI left the project circa November 2008, three additional monitoring wells (MW-5, MW-6 and MW-7) were installed in March 2009, as shown in the Site Plan and revealed in the well diagrams (Appendix D). Groundwater samples were collected from monitoring wells MW-1 through MW-7 during quarterly sampling events in April / July / October 2009 and in January 2010.

4 SITE DESCRIPTION AND HYDROGEOLOGY

The Site is located within Tax Parcel Number 102842000011000 and occupies a small percentage of the total parcel acreage, namely an approximate 1.45-acre rectangular area that encompasses the hangar building shown in the Site Plan in Appendix A.

Test pits and boring logs for the onsite soils reveal coarse deposits of sands, gravels, cobbles and boulders within a silt matrix that maintains an intact soil profile, as evidenced by the vertical excavation walls that supported the hangar building throughout the interim action. The bedrock consists of somewhat weathered basalt occurring at depths ranging from 3 to 14 feet (see Boring Logs in Appendix D). In discussions with the WSI field geologist who oversaw the soils excavation and the installation of monitoring wells MW-1 through MW-4, the basalt bedrock is relatively level and slightly fractured, but nonetheless appears to act as a barrier to the downward migration of the shallow groundwater whose surface fluctuates from approximately 3 ft below ground surface (bgs) in October to 7 feet bgs in January (see Groundwater Surface Maps in Appendix D). From test pit and boring log observations, I personally consider the onsite soils to be similar to surface soils in Yakima where static-head permeability tests revealed a relatively high hydraulic conductivity of 5×10^{-5} cm/s (0.07 inches per hour) or approximately 150 feet every 3 months.

Inspection of the Water Well Reports in Appendix D reveals *no less than* 49 feet of competent (unfractured) basalt and as much as 130 feet of clay and competent basalt that separates the Site's shallow perched groundwater system from the deeper *confined* groundwater system. The drinking water supply comes from either fractured basalt (86-92 ft depth) or from sandstone at 130-140 ft and 111-143 ft depths, as shown in the three downgradient water wells located approximately 0.20 miles to the southwest and 0.20 miles to the southeast, respectively, from the Site (see Vicinity Topographic Map in Appendix D). These water wells are cased from 2-55 ft depth, 0-19 ft depth and 1.5-142 ft depth and the associated ***static*** water levels ranged from 12.5-21.0 ft bgs. The considerable vertical distance between the water-bearing zones and the associated static water levels strongly indicates a ***confined*** system that exists beneath vertically impermeable rock formations (aquitard).

The Groundwater Surface Maps in Appendix D reveal a predominant south and southeast movement of the perched groundwater beneath the Site, with some southwest and east movement as well. The combination of the relatively permeable near-surface soil and the underlying thick aquitard more than likely directs the shallow contaminated groundwater to preferentially flow laterally and downgradient to the south and southeast.

As previously mentioned, the primary cause of the pesticide and herbicide contamination of the onsite soils can be attributed to the washing of pesticide / herbicide covered aircraft that would be parked upon the concrete pads shown in the Site Plan. The primary cause of petroleum contamination of the onsite soils can be attributed to the fuel tank that was located by the northwest corner of the hangar and removed circa 1990.

5 CONCEPTUAL SITE MODEL

As stated in Section 3, the known source of chemicals of concern (COCs) to the Site was the Aircraft Applicators, Inc. aerial herbicide / pesticide application business that utilized two or more fixed wing aircraft that were refueled onsite by an approximate 1,000 gallon buried aviation fuel tank. Initial 2006 soil sampling activities confirmed that the COCs comprised Organochlorine Pesticides, Chlorinated Acid Herbicides, aviation fuel components and Arsenic / Lead metals of unknown concentrations. Initial site characterization activities also determined that the shallow soil overburden and the perched groundwater were contaminated by varying concentrations of the stated COCs. When Aircraft Applicators, Inc. ceased operations circa 2006, the ongoing source of COC contamination was removed. However, residual soil and groundwater contamination continues to exist within the shallow soil and groundwater beneath the Site's ground surface, as evidenced by significant concentrations of certain COCs discussed in Section 9. We believe that all residual contamination is situated within the shallow soil profile above the impermeable basalt (described above) and that onsite groundwater contamination is due entirely to the release of soil contaminants into same.

The most realistic potential exposure pathway regarding onsite COCs involves 1) a soil contamination *source*, 2) a groundwater *transport mechanism*, 3) a surface water-groundwater interface *exposure point* such as the south boundary ditch (see Site Plan) and 4) a primary *exposure route* of dermal contact with contaminated surface water and a secondary *exposure route* via intentional / inadvertent ingestion of same by 5) nearby resident *receptors* who live south adjacent to the Site. As stated in the previous section, the perched groundwater system is a *non-potable* water source that appears to be effectively isolated from the city water supply, so the *most plausible* exposure route would involve dermal contact with the potentially contaminated south adjacent ditch water, in the event it is recharged by the contaminated shallow groundwater system during the wet season. It is nonetheless possible that someone might drink or inadvertently ingest the *irrigation* ditch water during the wet season. Since potable water is readily available at residences situated within 75 feet of the south ditch, the secondary exposure route (ingestion) seems rather unlikely.

6 SAMPLING ACTIVITIES AND SOILS CHARACTERIZATION

During the following discussion, please refer to 1) the detailed Map in Appendix A for sampling locations and depths, 2) the Photo History in Appendix C and 3) the Surface Soil Sampling Results spreadsheets in Appendix F regarding analyses of the soil and water samples collected during the characterization phase of this project.

As previously mentioned, initial sampling (May / August 2006) of stained surface soils revealed significant pesticide contamination (namely DDD, DDE and DDT) above MTCA cleanup levels. The three Dinoseb excavations, the two DDT excavations, the Chemical Storage Area, the hangar shed, the location of the removed fuel tank and areas surrounding these features were subsequently sampled in March / April 2007 and February / March 2008. Because DDT was determined (via laboratory analyses) to be an excellent indicator parameter for organochlorine pesticides and chlorinated acid herbicides, selected samples were field-screened by utilizing a Strategic Diagnostics immunoassay DDT test kit. During excavation of DDT (and other COC) contaminated soils in 2007, field-screened samples were used to guide ongoing soils excavation and to determine when to cease excavating. When immunoassay results were less than 1 ppm, samples were collected for analytical laboratory confirmation at a frequency of one confirmation sample per 10 field-screened samples, to yield Samples C-1 through C-7. The analytical results for these samples confirmed that none of the COCs existed in concentrations above MTCA cleanup levels in the sampled areas of the DDT excavations.

During the excavation of DDT (and other COC) contaminated soils, petroleum contamination was discovered in the petroleum contaminant excavation (Tank Pit) adjacent to the northwest corner of the hangar and appeared as an obvious thick and dark tar-like material with a strong hydrocarbon odor. Due to the strong visual and olfactory characteristics of the petroleum contaminated soil, "sniffing" instruments such as photo or flame ionization detectors were unnecessary. Accordingly, visual and olfactory screening was performed during the excavation of petroleum contaminated soils in 2008. In this excavation, basalt (encountered at depths of 5 to 15 feet bgs) *prevented* deeper excavation activities. Due to the basalt and the rapid rise of groundwater to within 2 feet of the surface grade, confirmation samples of the Tank Pit *could not* be obtained. Before water flooding occurred, visual and olfactory observations of the excavation sidewalls and the shallow basalt (south end of 2008 excavation) clearly revealed *no indications* of petroleum contamination. Again, due to rapid groundwater infiltration, the base of the excavation could not be observed.

7 CLEANUP OBJECTIVE AND INTERIM ACTION

In recognition of WAC 173-340-430(7)(b)(ii), other alternative interim actions were never considered, for the simple reason that this project started as a small excavation project that became a "dig and chase" project. The eventual discovery of the COCs in onsite soils triggered the cleanup objective of reducing COC concentrations to levels that no longer would pose a threat to human health and the environment.

According to WSI, Ecology agreed that soil removal was the best remedial approach to take at that time. The interim action comprised the wholesale removal of contaminated soils, coupled with an aggressive treatment

by RegenOx®, a powerful oxidizing agent. As stated earlier, a voluntary remedial action began in March 2007 by removing shallow stained soils and installing (May 2007) four groundwater-monitoring wells (MW-1 through MW-4), followed by groundwater sampling events in June and December 2007.

The RegenOx® was intended to treat 1) residual contamination inadvertently left in the 2007 and 2008 excavations, 2) potentially contaminated soil that may exist beneath the hangar and 3) any COCs that entered the groundwater.

In an effort to remove all soils contaminated with pesticides, herbicides and petroleum constituents, WSI's subcontractor (Conrad Russell Excavation of Prosser, WA) excavated a total of 8,264 cubic yards (CY) of soils from the Site (see Map and soil summaries in Appendix E). This activity was performed from late February through late October 2008, whereby the same contractor properly transported the contaminated soils to the Rabanco Regional Landfill in Roosevelt, Washington and transported the uncontaminated soils to the Columbia Asphalt batch plant in Yakima, Washington. From April through June 2008 and prior to backfilling, approximately 114,450 pounds of RegenOx® were added to the water-filled excavation, as shown by selected photographs in Appendix C.

Following placement of the RegenOx®, the excavation was backfilled with 10,365 CY of uncontaminated soil and rock screenings from late February through October 2008 (see soil summaries in Appendix E). During backfilling, four 6-inch steel casings were placed within the backfill to accommodate four proposed wells intended to monitor the effectiveness of the RegenOx® treatment. The 2,101 CY volume discrepancy between the saturated (compacted) excavated soil and the dry (uncompacted) fill soil appears significant but is actually well within industry expectations when compaction offsets are accounted for, as discussed in Appendix E.

Circa November 2008, the Port of Benton replaced WSI with TEC, who was asked to complete the groundwater monitoring phase of the project. In subsequent discussions between TEC and experts at Regenesis (RegenOx® manufacturer), it was determined that the proposed wells would not be effective injection points for future RegenOx® treatment solutions. Accordingly, TEC submitted a February 2009 Amendment Request to significantly modify the monitoring well installation component of the Work Plan (Exhibit B of Agreed Order). The Amendment Request recommended the elimination of three of the four proposed monitoring wells and also recommended the expansion of the downgradient monitoring system. In March 2009, Ecology approved the Amendment Request.

In March 2009, Environmental West Exploration, Inc. (Spokane, WA) installed three additional groundwater-monitoring wells, namely 1) MW-5 to eventually replace poorly functioning MW-4, 2) MW-6 to expand lateral downgradient coverage and 3) MW-7 to provide deep coverage of the excavation backfill, in the unlikely event that groundwater was being forced around the edge of the nearby shallow basalt shelf (see Map). Construction details for the seven groundwater-monitoring wells are included in the table on the following page.

MONITORING WELL CONSTRUCTION DETAILS							
Well	Install Date	Length (feet)	Surface Seal Thickness (feet)		Depth (feet bgs)		Distance (inches)
		Well	Concrete seal	Bentonite seal	To top of filter-pack	Screened Interval	From GS to TOC
MW-1	5/24/07	15.0	2.0	2.0	4.0	5.0 – 15.0	5
MW-2	5/24/07	14.5	1.0	2.5	3.5	4.0 – 9.0	5
MW-3	5/24/07	9.5	1.5	2.5	4.0	4.5 – 9.5	6
MW-4	5/24/07	6.0	1.5	3.0	4.5	5.0 – 6.0	3
MW-5	3/30/09	9.8	0.75	0.25	1.0	2.0 – 9.8	6
MW-6	3/30/09	6.6	0.75	0.25	1.0	2.0 – 6.6	9
MW-7	3/30/09	15.0	0.92	0.25	1.17	2.0 – 15.0	5

NOTES
Thickness of surface seals for MW-5, MW-6 and MW-7 was approved by Ecology in March 2009.
bgs = below ground surface (GS) or surface grade
TOC = top of well casing
Surface cover is an 8-inch diameter flush-mount iron monument held in place by threaded bolts
Well casing consists of 2-inch diameter Schedule 40 PVC piping
Well screen consists of 2-inch diameter 0.020-inch slotted Schedule 40 PVC piping
Filter pack consists of 10/20 Colorado silica sand
Well bottom consists of Schedule 40 PVC end caps

8 COMPLIANCE MONITORING PLAN

A Sampling and Analysis / Quality Assurance Project Plan (SAP/ QAPP) and a Health and Safety Plan (HASP) were prepared by WSI in November and subsequently approved by Ecology. The SAP / QAPP and the HASP were created to ensure that installation and sampling of monitoring wells occurred in accordance with WAC 173-340-820 and WAC 173-340-810, respectively. Additionally, the SAP / QAPP addressed the proper handling, storage and disposal of all investigation waste that was generated during such activities.

In accordance with WAC 173-340-410, a Compliance Monitoring Plan (CMP) is required to address resource protection (groundwater) monitoring, performance monitoring and/or confirmational monitoring of the media and those COCs pertinent to the cleanup objective. The CMP addresses the periodic sampling and analysis of groundwater from the existing monitoring system which comprises the upgradient monitoring well (MW-1) and six downgradient monitoring wells (MW-2 through MW-7). The frequency of sampling events is described in the Work Plan (Appendix B). The seven monitoring wells were installed / developed and have been purged / sampled in accordance with Ecology guidelines. Monitoring well construction diagrams (and boring logs) are included in Appendix D.

The approved SAP/ QAPP and HASP adequately address the key elements of a CMP, such that the preparation of the latter was unnecessary to this project.

9 ANALYTICAL RESULTS

To date, onsite groundwater and soils have been sampled to characterize the degree of contamination or to confirm the lack thereof. Please refer to the Site Plan and Map (Appendix A) and the analytical data summary spreadsheets (Appendix F) when reviewing the following significant findings.

- In May and August 2006, sixteen (16) stained surface soil (SS) samples revealed concentrations of pesticides and herbicides that *did not exceed* MTCA cleanup levels, but revealed the organochlorine pesticides Heptachlor Epoxide, DDD, DDE, DDT and Dieldrin at concentrations exceeding MTCA cleanup levels. The primary area of contamination was the large DDT excavation located north of the former fenced Chemical Storage Area. Insignificant amounts of contamination were found beneath the former concrete wash pads that were utilized to remove the herbicide / pesticide overspray from the airplanes that aerially applied the chemicals. Insignificant amounts of contamination were also found outside the areas later defined by the larger 2007 DDT excavation and the irregular 2008 excavation.
- In April 2007, a standpipe sample (SP-1) collected from water within the Tank Pit revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels, but revealed total petroleum hydrocarbons (TPH), Pentachlorophenol and Dinoseb at concentrations exceeding MTCA cleanup levels. Analyses for Lead and Arsenic were not performed.
- In June 2007, groundwater samples collected from monitoring wells MW-1 through MW-4 revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels, but revealed Dinoseb (MW-4) and Arsenic (all but MW-3) at concentrations equal to or exceeding MTCA cleanup levels. Chloroform was the only detected halogenated volatile, but occurred at concentrations *less than* MTCA cleanup levels. As per Ecology approval, the analysis for Chloroform (and other halogenated volatiles) was discontinued after this sampling event.
- In December 2007, groundwater samples collected from monitoring wells MW-1 through MW-4 revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels, but revealed MCPA (MW-3) and Mecoprop (MW-4) at concentrations exceeding MTCA cleanup levels. Analyses for Arsenic were not performed. The Site's irrigation well was sampled, revealing "non detect" concentrations of pesticides, herbicides and petroleum constituents. Analyses for Lead and Arsenic were not performed.
- During 2007 and 2008, soils collected from the Tank Pit (T-1 and PEx samples), the larger DDT excavation (ES-8) and the Dinoseb excavations (D-1 and DP samples) contained petroleum constituents, pesticides and Dinoseb at concentrations exceeding MTCA cleanup levels. With the exception of T-1, analyses for Lead and Arsenic were not performed.
- In February 2008, a water sample (PW-1) collected from water within the larger DDT excavation revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels, but revealed Dieldrin and MCPA at concentrations exceeding MTCA cleanup levels. Analyses for Lead and Arsenic were not performed.
- In February 2008, 62 gridded soil (GS) samples and five (5) shed samples revealed concentrations of pesticides and herbicides that *did not exceed* MTCA cleanup levels, but revealed DDT (GS-17 and GS-18) at concentrations exceeding MTCA cleanup levels.
- In April 2008, groundwater samples collected from monitoring wells MW-1 through MW-4 revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels. Analyses for Lead and Arsenic were not performed.
- In April 2009, groundwater samples collected from the seven monitoring wells MW-1 through MW-7 revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels, but revealed TPH (MW-5), Lead (MW-3) and Arsenic (all wells) at concentrations exceeding MTCA cleanup levels.
- In July 2009, groundwater samples collected from monitoring wells MW-1 through MW-7 revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels, but revealed Benzene / TPH (MW-5) and Arsenic (all wells) at concentrations exceeding MTCA cleanup levels.
- In October 2009, groundwater samples collected from monitoring wells MW-1 through MW-7 revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup

levels, but revealed TPH (MW-5), Mecoprop (MW-3, MW-4) and Arsenic (all wells) at concentrations exceeding MTCA cleanup levels.

- In January 2010, groundwater samples collected from monitoring wells MW-1, MW-2, MW-3, MW-5 and MW-7 revealed concentrations of pesticides, herbicides and petroleum constituents that *did not exceed* MTCA cleanup levels, but revealed Benzene / TPH (MW-5) and Arsenic (all wells) at concentrations exceeding MTCA cleanup levels. Monitoring wells MW-4 and MW-6 were too dry to properly purge and sample.

10 ACKNOWLEDGEMENTS, FINDINGS AND DATA GAPS

WE SINCERELY APPRECIATE AND WISH TO RECOGNIZE WSI STAFF MEMBERS DAVID POLIVKA / GEOLOGIST (KENT, WA OFFICE) AND MARIA VALENCIA / ADMINISTRATIVE ASSISTANT (PASCO, WA OFFICE) FOR THEIR INVALUABLE CONTRIBUTIONS, BOTH TECHNICALLY AND ADMINISTRATIVELY, TO THE PREPARATION OF THIS REPORT. WITHOUT THEIR WILLING AND CAPABLE ASSISTANCE, THIS REPORT WOULD HAVE REQUIRED CONSIDERABLY MORE TIME AND EFFORT TO PREPARE.

Given that the cleanup objective has been to reduce COC concentrations to less than MTCA cleanup levels, the most recent groundwater sampling events are very encouraging, as revealed by the analytical results displayed in Appendix F and summarized below:

- **Petroleum Constituents** – *with the exception of MW-5*, the remaining wells have petroleum constituent concentrations *less than* MTCA cleanup levels.
- **Pesticides and Herbicides** – all wells reveal concentrations *less than* MTCA cleanup levels.
- **Lead** – all wells have Lead concentrations less than MTCA cleanup levels
- **Arsenic** – all wells reveal concentrations *exceeding* MTCA cleanup levels.

Given the acceptable Benzene / TPH concentrations in groundwater samples collected from all downgradient monitoring wells *except MW-5* and given that the Tank Pit is located upgradient and adjacent to the hangar, it is our opinion that Benzene / TPH contaminated soils probably remain within a narrow swath extending NW-SE between MW-5 and the Tank Pit location and roughly E-W between MW-3 and MW-4 and are probably concentrated beneath the hangar building (see Map).

Given the strong likelihood of a residual source situated beneath the hangar and the persistent groundwater analyses (MW-5) showing elevated Benzene / TPH concentrations, the Port is considering the actions discussed below.

11 RECOMMENDED FUTURE ACTIONS

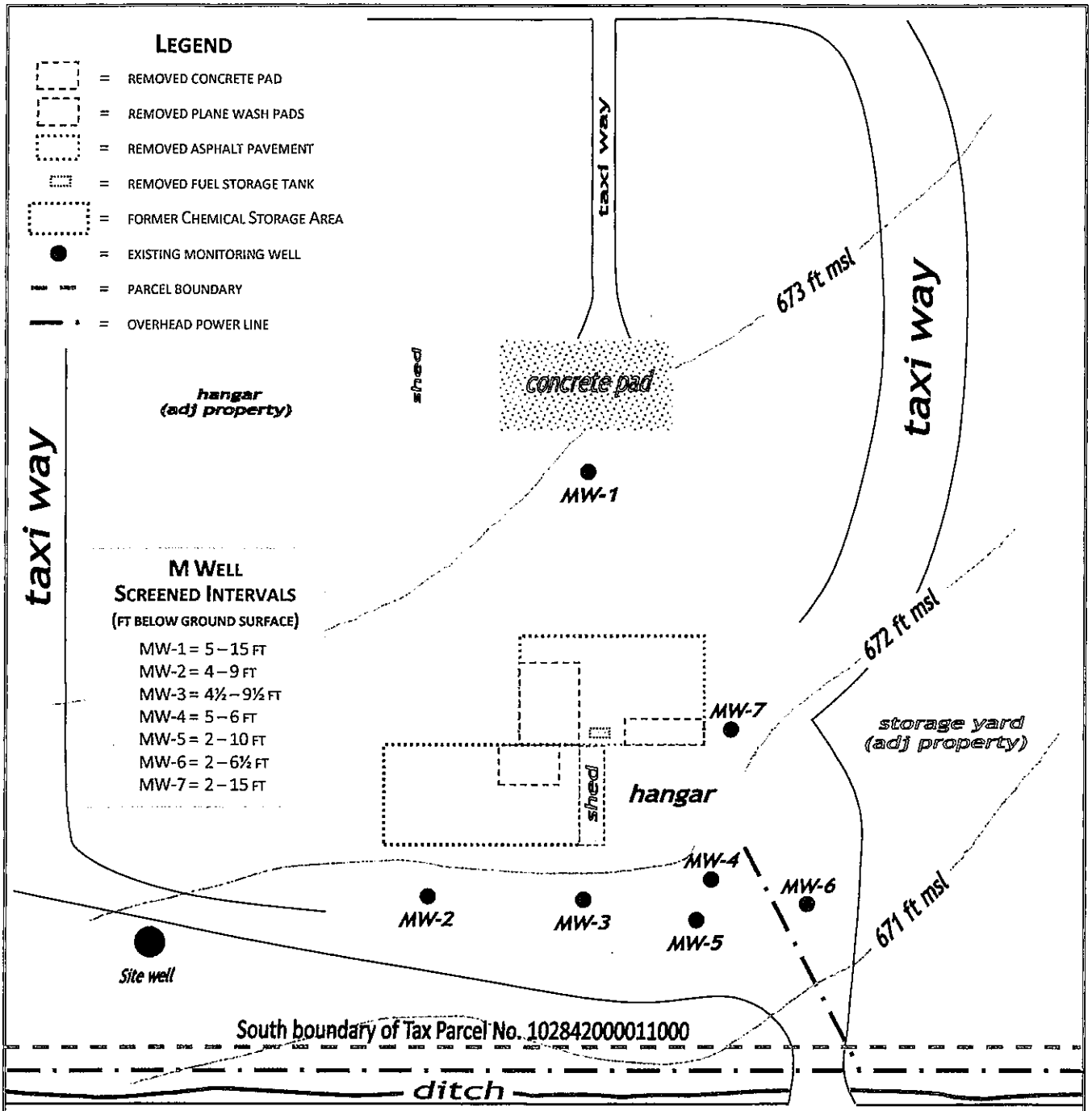
In a recent discussion with Mr. Norm Peck, Ecology Central Regional Office, we have learned that the ongoing degradation of petroleum constituents (TPH) has an overall reducing effect upon surrounding soils, which in turn enhances the mobilization (release) of Arsenic into the groundwater. It is possible that a similar environment exists beneath the concrete slab of the hangar building, which may explain why groundwater samples from downgradient well MW-5 have consistently elevated Benzene / TPH concentrations.

If the TPH source is ultimately removed, anaerobic sub-slab conditions could conceivably lessen in severity and eventually reduce future releases of Arsenic into the groundwater to concentrations less than MTCA cleanup levels. The Port is currently considering soils characterization and/or removal actions regarding the *suspected* residual Benzene / TPH source beneath the hangar building. If the Port decides to proceed with one or both of these actions, an associated work plan will be submitted to Ecology for approval.

APPENDIX A

SITE PLAN

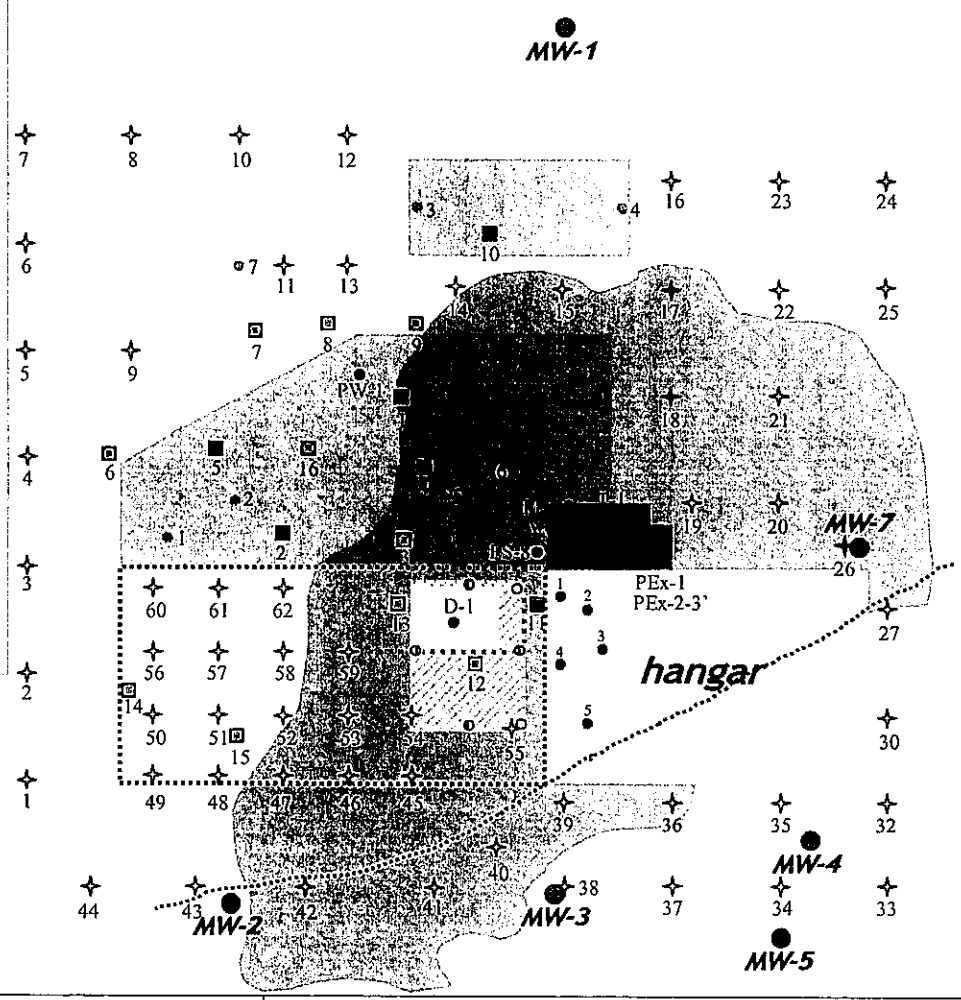
EXCAVATIONS AND SAMPLING LOCATIONS MAP



The EMPIRICAL Company 7320 West Hood Place, Suite 101 Kennewick, WA 99336	**SITE PLAN** SCALE: 1 INCH = 73 FEET	⬆ N
TEC Project No. 2722-1 Drawn by: Brett D. Smith PE, LG (Environmental Compliance Associates, LLC)	**AIRCRAFT APPLICATORS, INC. - PROSSER AIRPORT**	

Sample Depths

- SS samples = 4-6"
- GS samples = 6-8"
- PEx-# samples = 2-3 ft
- PEx-3 west = 4 ft
- T-1 = 5 ft
- SP-1 = Tank Pit water sample
- PW-1 = 2008 excavation water sample
- ES-8 = DDT excavation -Tank Pit = 3 ft
- C-4, C-7 = 1 ft
- C-2, C-3 = 2 ft
- C-1 = 3 ft
- C-5, C-6 = 4 ft
- D-1 = 2 ft
- DP base = 6-7 ft
- DP sidewalls = 4½ ft
- Shed samples = 4"



Legend

- = 2007 surface soil (SS) sample location (red indicates > MTCA Cleanup Levels)
- = 2008 gridded soil (GS) sample location (red indicates > MTCA Cleanup Levels)
- = 2007 shallow DDT excavations **(3-4 ft deep)**
- = 2007 Dinoseb excavation **(1-2 ft deep)**
- = 2008 Dinoseb excavation (Pit) **(15 ft max depth)**
- = 2007 petroleum contaminant excavation (Tank Pit) - **8 ft deep**
- = 2008 excavation **(3-10 ft deep SE of line)** **(15 ft max depth NW of line)**
- = location of removed airplane wash pads
- = location of removed fence for Chemical Storage Area
- = edge of shallow basalt
- = misc soil samples - see labels
- = 7 confirmation (C-#) samples
- = 2 Dinoseb Pit (DP) base samples
- = 4 DP sidewall samples
- = 5 Shed soil samples (beneath slab)

The EMPIRICAL Company
7320 West Hood Place, Suite 101
Kennewick, WA 99336

Excavations and Sampling Locations Map

Scale: 1 inch = 42 feet

N

TEC Project No. 2722-1
Drawn by: Brett D. Smith PE, LG
(Environmental Compliance Associates, LLC)

Aircraft Applicators, Inc. - Prosser Airport

APPENDIX B

EXHIBIT B OF AGREED ORDER
(WORK PLAN)

EXHIBIT B – PROSSER AIRPORT WORK PLAN

This Work Plan includes three main components:

1) backfilling the current excavation;
2) installing four additional groundwater monitoring wells in the excavation area;
3) instituting a post-interim action groundwater monitoring program using all of the existing monitoring wells.

The current excavation shall be filled with clean backfill, compacted, and graded to the satisfaction of Ecology and Port of Benton. Because the water level in the excavation is currently within one foot of the ground surface, the backfilling shall occur as the water level in the excavation lowers to the point where the addition of backfill will not cause groundwater to leave the perimeter of the excavation.

After the excavation is backfilled and compacted, four additional groundwater monitoring wells shall be installed in the excavation to monitor the effectiveness of the RegenOx treatment at the site. These wells shall be placed in the northern, eastern, western and southern portions of the excavation area. A well driller licensed in the State of Washington shall perform the installation of these wells. These wells may be used for the addition of additional treatment chemicals if Ecology or the Port deems it necessary and Ecology gives prior approval. Well construction shall be completed in accordance with 18.104 RCW and Chapter 173-160 WAC.

Upon completion of backfilling the excavation and installation of the additional monitoring wells, the Port shall institute a post-interim action groundwater-monitoring program at the site. This program shall include sampling monitoring wells at the site quarterly for one year and then bi-annually (twice a year) until contaminant levels are below MTCA cleanup levels.

Quarterly sampling shall occur in January, March, June, and September. The bi-annual sampling shall occur at the times when the water levels at the site are anticipated to be the highest (June/July) and at the time that the water levels are anticipated to be the lowest (December/January). Sampling performed to date indicates herbicides, organochlorine pesticides, and petroleum contamination confirmed in the groundwater. Therefore, all groundwater samples shall be analyzed for BTEX and TPH – aviation gasoline range, organochlorine pesticides, herbicides, and the metals, lead and arsenic, using the following methods: NWTPH-Gx / EPA 8021B (TPH aviation gasoline/BTEX), EPA methods 8081A (organochlorine pesticides), 8151A (chlorinated herbicides), and 6010B metals by inductively coupled plasma). Upon receiving the analytical results, the Port may develop and submit to Ecology for approval without an order modification, a list of indicator contaminants to be analyzed until the MCTA cleanup levels are achieved. All analytical parameters will be analyzed to confirm completion of the groundwater-monitoring program. Strict scientific protocol for sampling will be followed. This includes, at a minimum, wearing latex gloves during sampling, using appropriate sample bottles, storing samples in a refrigerated (at 4^0 C) container, following chain-of-custody procedures, and ensuring analyses are performed during recommended holding times. Any laboratory used must be certified by Ecology.

Once the excavation is backfilled, the monitoring wells installed, and one round of monitoring wells sampled, the Port of Benton shall submit to Ecology a Final Interim Action Report, documenting all activity related to the interim action completed to-date, including, at a minimum, sampling results and detailed maps, the effectiveness of the interim action, as well as the requirements specified in WAC 173-340-430(7) and WAC 173-340-515. The Final Report is due to Ecology within 90 days of receipt of the groundwater sampling results and completion of the interim actions as specified in WAC 173-340-515(4)(a):

> *"Any person who conducts an independent interim action or cleanup action for a release that is required to be reported under WAC 173-340-300 shall submit a written report to the Department within ninety days of the completion of the action."*

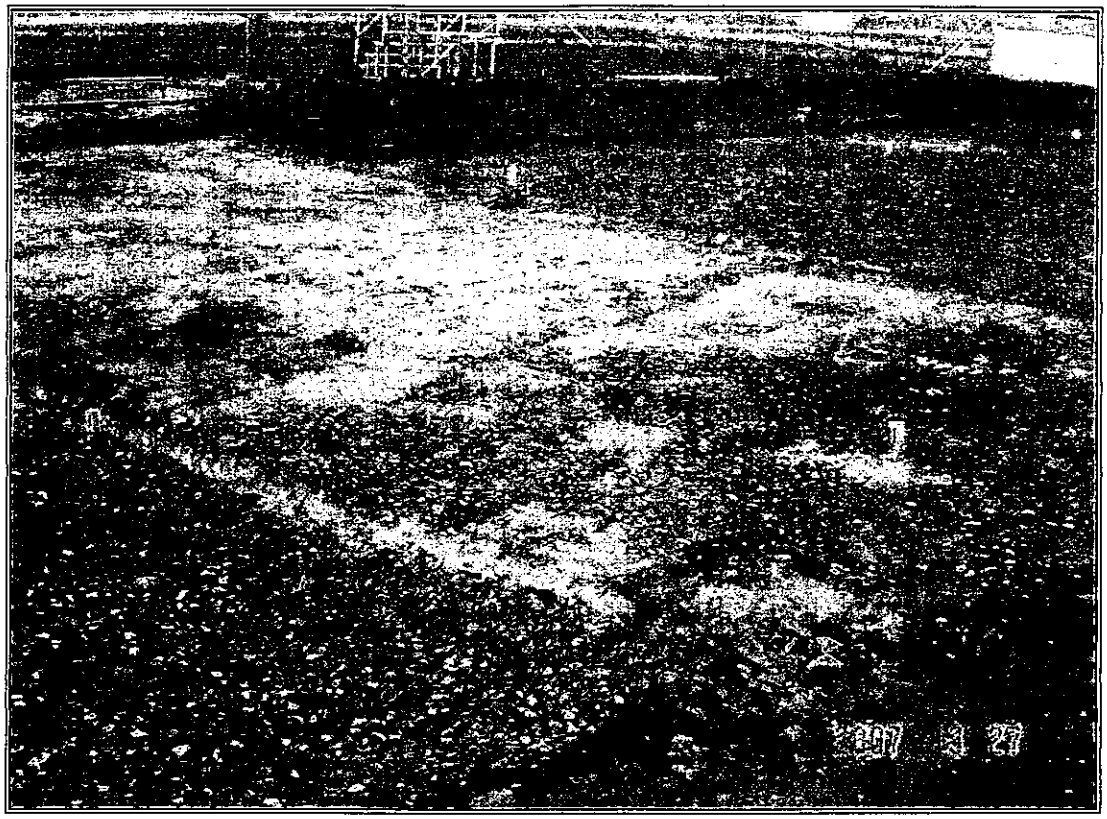
After submittal of the Final Interim Action Report, post-interim action semi-annual progress reports will be submitted to the Department by the 15th of the month following the reporting period. The groundwater analytical data sheets from each groundwater-monitoring event shall be transmitted to the Department with the next post-interim action progress report after receipt from the laboratory and checked for quality assurance. The semi-annual groundwater monitoring shall continue until the contaminant levels are below MTCA cleanup levels and Ecology issues a determination of "No Further Action".

APPENDIX C

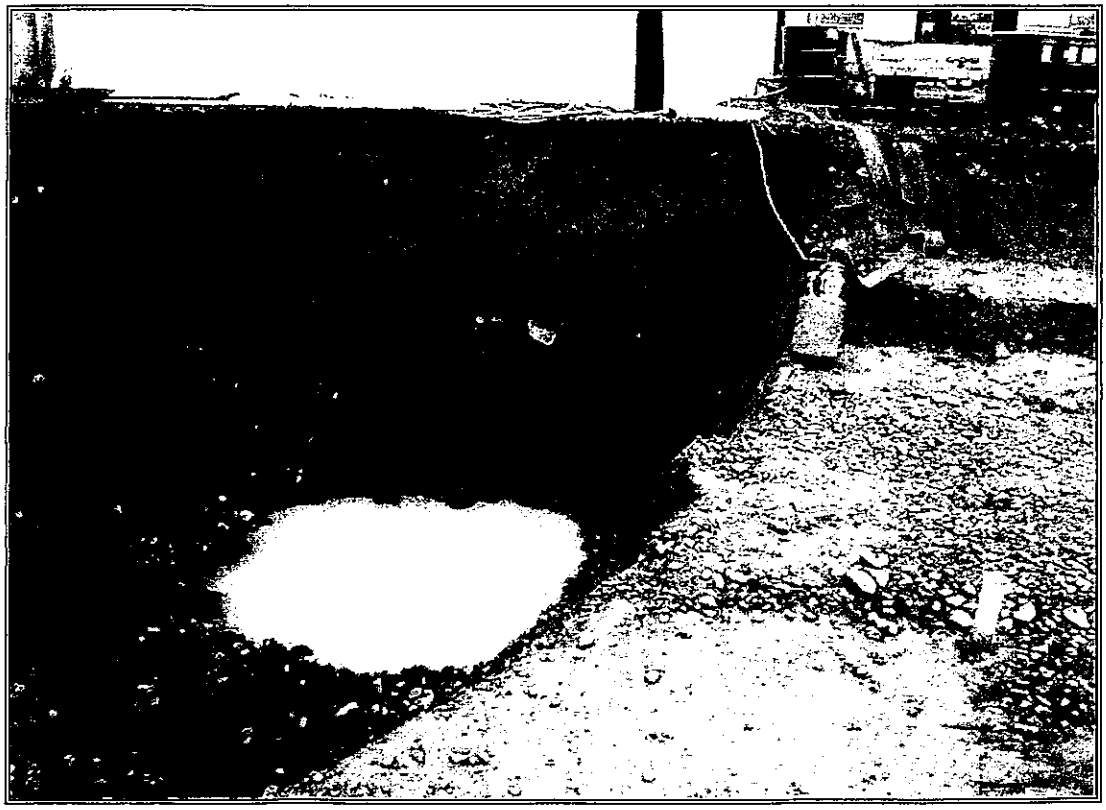
PHOTO HISTORY

Stained soil north of Chemical Storage Area – August 2006.

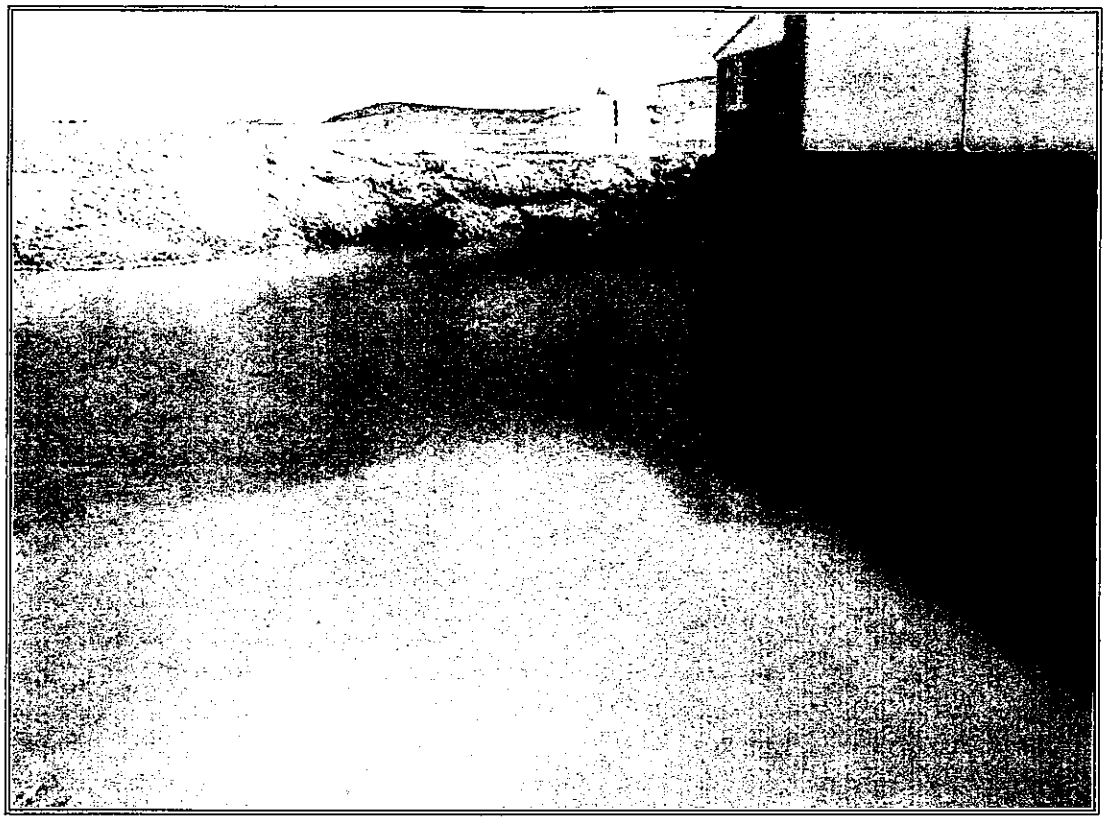
Above stained soil, beyond which is the Chemical Storage Area – August 2006.



Typical shallow excavation in area NW and W of hangar – March 2007.

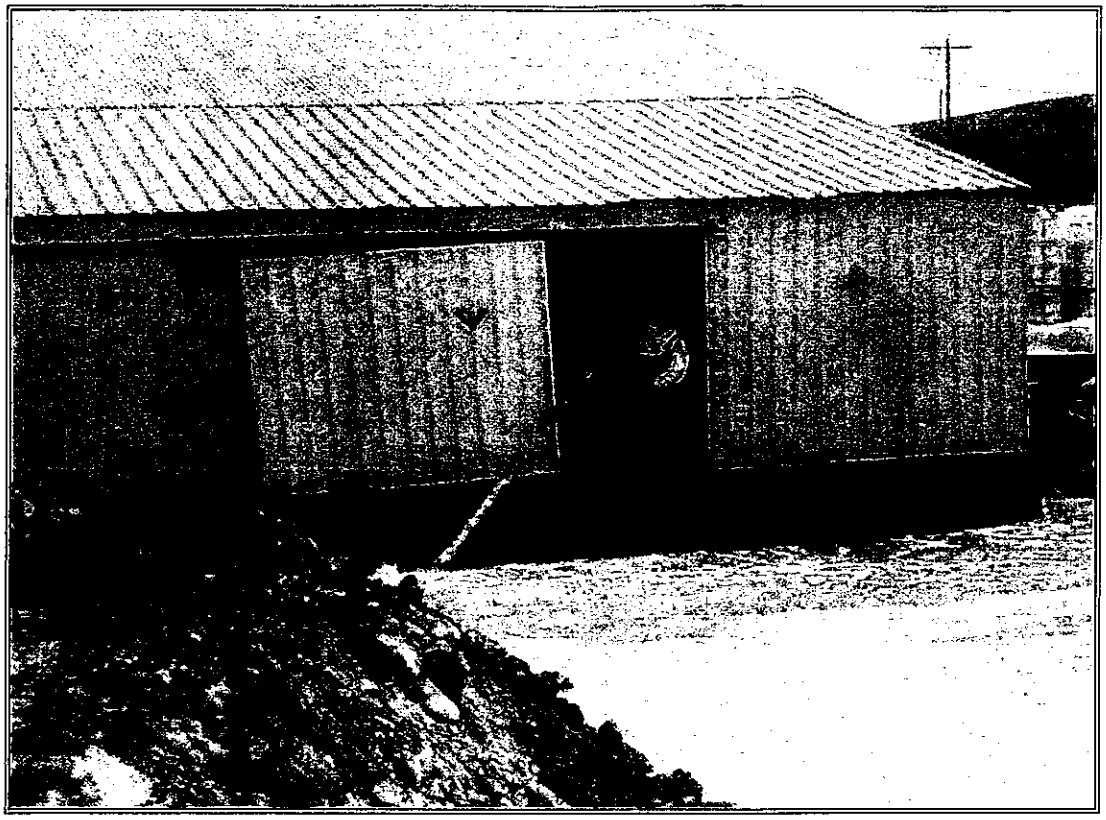


West half of petroleum contaminant excavation (Tank Pit) by NW corner of hangar. Note yellow-stained groundwater indicative of Dinoseb contamination – March 2008.



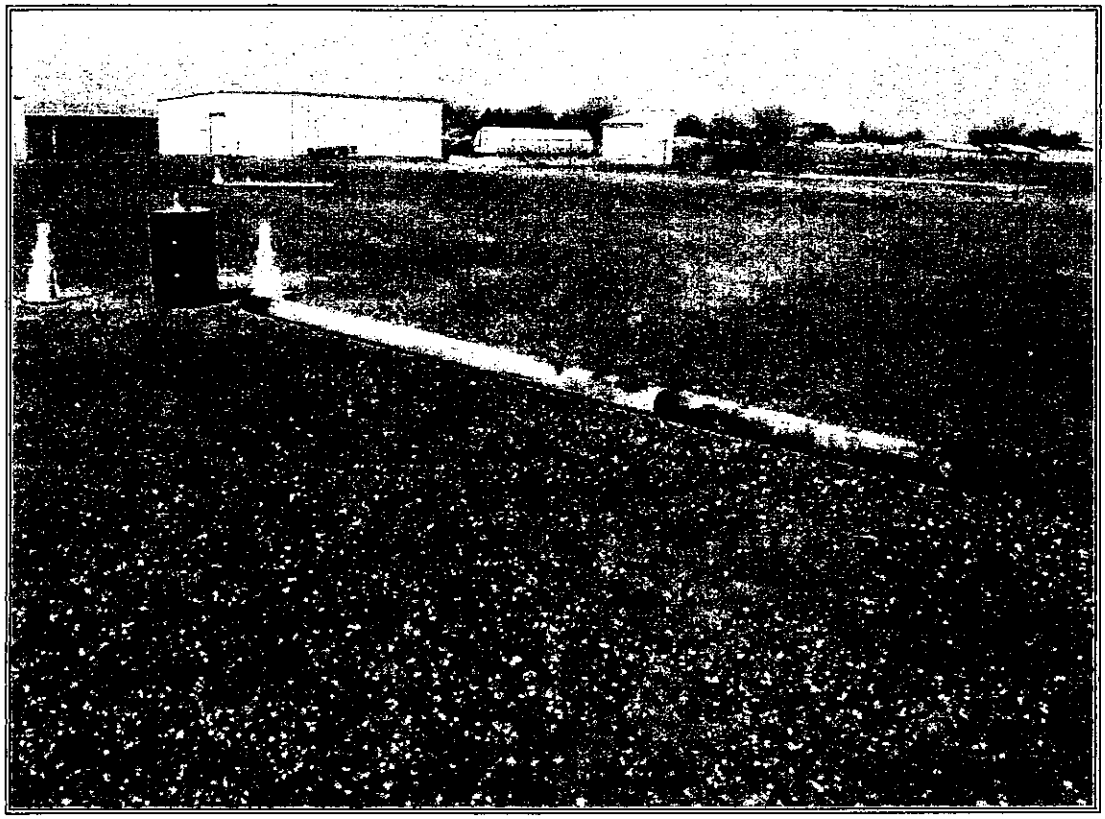
2008 excavation adjacent to hangar. Note Dinoseb-tinted groundwater – March 2008.

Preparation of RegenOx® treatment solution – April 2008.



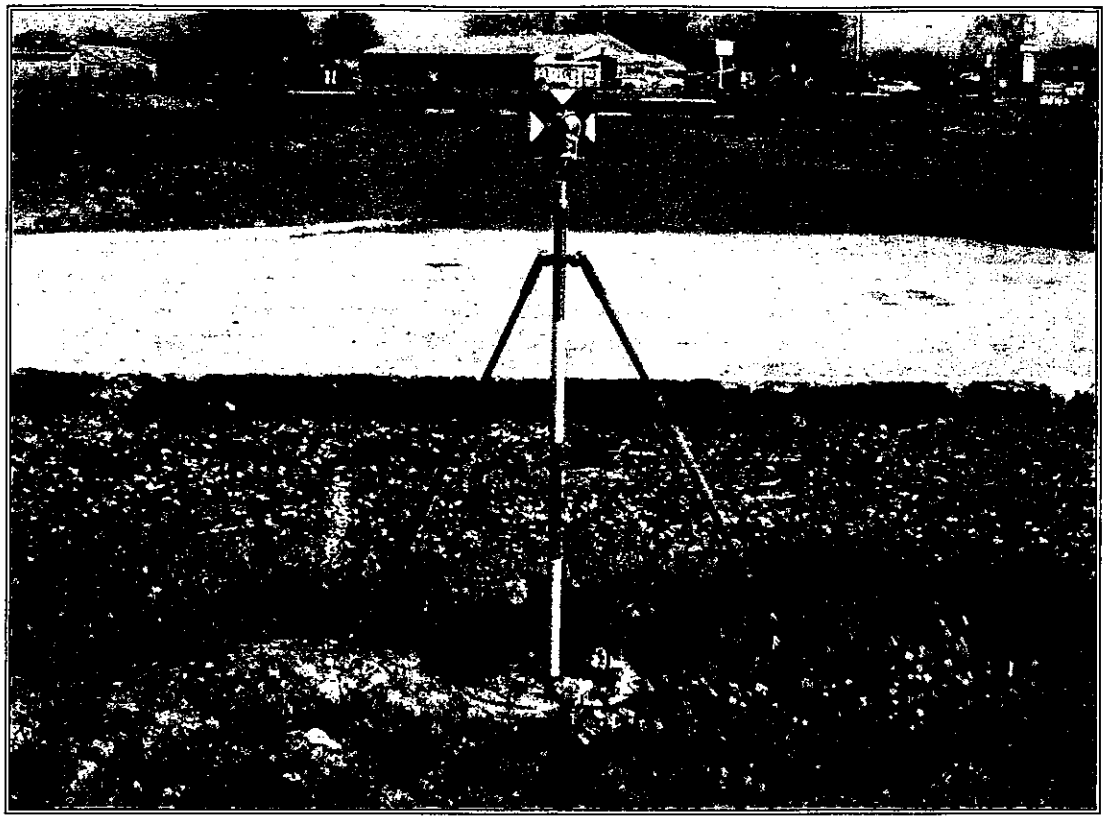
Application of RegenOx® treatment solution to 2008 excavation – April 2008.

Backfilling of RegenOx® treated 2008 excavation – July 2008.



Compacted backfill in area of once water-filled 2008 excavation – April 2009.

Typical placement of filter-pack sand for newer monitoring well. Note how graded and compacted backfill adequately supports drilling rig – April 2009.



Elevation and location survey of onsite monitoring wells – April 2009.

Typical water sampling at one of the onsite monitoring wells – April 2009.

APPENDIX D

MONITORING-WELL DIAGRAMS / BORING LOGS
GROUNDWATER SURFACE MAPS
VICINITY TOPOGRAPHIC MAP
WATER WELL REPORTS FOR NEARBY WELLS

LOG OF BOREHOLE

Project No.:207-010-01
Project: Port of Benton
Location: Prosser Airport
Drilling Method: Sonic
Sampling Method: Continuous Core

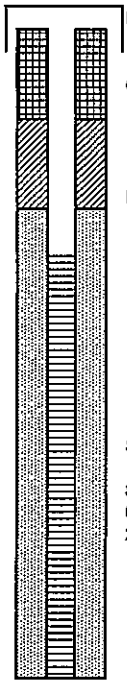
Client: Port of Benton

Driller: Environmental West Explorations

Bolehole No.: **MW-1**
Date: 5/24/2007
Logged By: DRP
Reference Elevation: Ground Surface
Groundwater Level: 9 1/2 '

DEPTH (ft)	TIME	SAMPLE No.	Blow Count (blows per 1/2 foot)	Graphic Log	GEOLOGICAL DESCRIPTION AND CLASSIFICATION	ODOR	OVA (ppm)
	904				Surface Brown Fine Sandy Silt and Grass (dry)	none	0
					Light Gray, Silty Gravel and Cobbles (some fine sand) (some clay) (moist and wet)		
5	921				Gray Coarse Sandy Gravel (some silt)(cobbles to >4") (wet)		0
				▼			20
10					Gray Vescular Basalt (fine grain with Iron staining and Biotite) (Not fractured massive) (wet)		
					Dry		
15							0
					Boring terminated @ 15', 2" well installed.		
20							
25							

WELL CONSTRUCTION DETAILS



LOG OF BOREHOLE

Project No.:207-010-01
Project:Port of Benton
Location: Prosser Airport
Drilling Method: Sonic
Sampling Method: Continuous Core

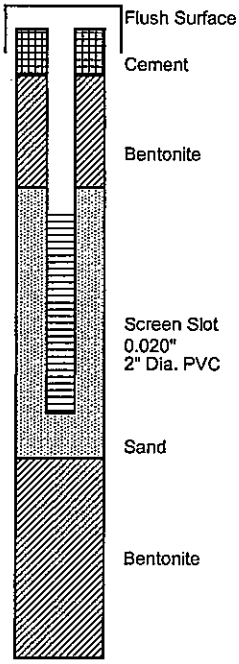
Client: Port of Benton

Driller: Environmental West Explorations

Borehole No.: **MW-2**
Date: 5/24/2007
Logged By: DRP
Reference Elevation: Ground Surface
Groundwater Level: 10'

DEPTH (ft)	TIME	SAMPLE	SAMPLE No.	Blow Count (blows per 1/2 foot)	Graphic Log	GEOLOGICAL DESCRIPTION AND CLASSIFICATION	ODOR	OVA (ppm)
	11:01					Surface 3/8 minus Blackrock driveway to 8" depth		
						Brown, Fine Sandy Silt (some clay)		
5						Brown Fine Silty Gravel, (gravel to 2" diameter) (Some Fine Sand)		4.5
10					▼	Basalt @10', Gray Vescular Basalt (fine grain with Iron staining Biotite) (Not fractured massive) (wet)		
15						Boring terminated @ 11:49 @ 15'		
						Backfilled with Bentonite to 11'		
						Install 2" pvc well with 6' screen		
20								
25								

WELL CONSTRUCTION DETAILS



LOG OF BOREHOLE

Project No.:207-010-01
Project:Port of Benton
Location: Prosser Airport
Drilling Method: Sonic
Sampling Method: Continuous Core

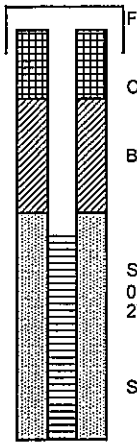
Client: Port of Benton

Driller: Envrionmental West Explorations

Bolehole No.: **MW-3**
Date: 5/24/2007
Logged By: DRP
Reference Elevation: Ground Surface
Groundwater Level: 9'4"

DEPTH (ft)	TIME	SAMPLE	SAMPLE No.	Blow Count (blows per 1/2 foot)	Graphic Log/	GEOLOGICAL DESCRIPTION AND CLASSIFICATION	ODOR	OVA (ppm)
						Surface 3/8 minus gravel (pit run)		
						Brown to Gray/Brown, clayey silt (moist)		
						Brown Sandy broken Basalt (moist)		
					▼	Light Gray silty gravel with broken Basalt, dry		
5						Basalt @4.5', Gray Vesicular Basalt (fine grain with Iron staining Biotite) (Not fractured massive) (wet)		
10						Boring terminated at 9'4" 2" well installed, 5' screen, 0.020 Slot		
15								
20								
25								

WELL CONSTRUCTION DETAILS



LOG OF BOREHOLE

Project No.:207-010-01
Project: Port of Benton
Location: Prosser Airport
Drilling Method: Sonic
Sampling Method: Continuous Core

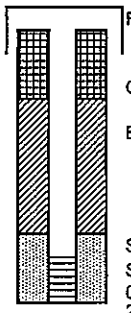
Client: Port of Benton

Driller: Environmental West Explorations

Bolehole No.: **MW-4**
Date: 5/24/2007
Logged By: DRP
Reference Elevation: Ground Surface
Groundwater Level: 6'

DEPTH (ft)	TIME	SAMPLE	SAMPLE No.	Blow Count (blows per 1/2 foot)	Graphic Log/	GEOLOGICAL DESCRIPTION AND CLASSIFICATION	ODOR	OVA (ppm)
	11:19	X				Surface 3/8 minus pit run driveway		
						Gray, Fine silty, sandy gravel(gravel to 2" diameter)		
						Some clay moist (moist - wet)		
						Brown, sandy broken Basalt (some silty) (dry)		
5						Basalt, Gray Vesicular Basalt (fine grain hard)		
						Boring Terminated @ 6'		
10								
15								
20								
25								

WELL CONSTRUCTION DETAILS



PROJECT Port of Benton Agreed Order DE 6070

PROJECT NUMBER 2722-1

LOCATION Prosser Airport

DRILLING DATE 3/30/2009

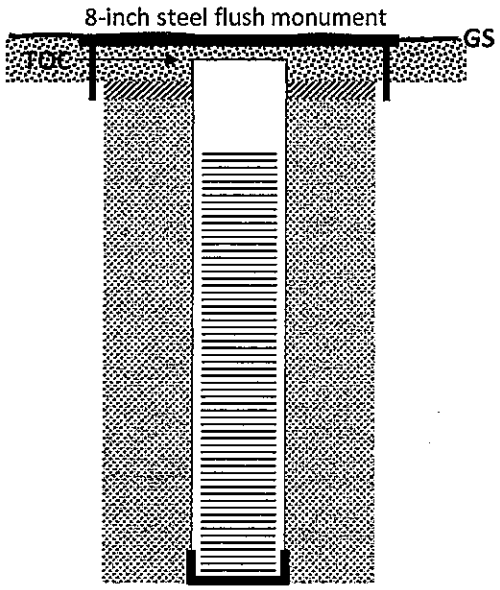
WELL ID MW-5

DRILLING METHOD Sonic

LOGGED BY Brett D. Smith PE, LG

DRILLER Environmental West Exploration

DEPTH	SOIL DESCRIPTION	GRAPHIC	MISC
	3/8-minus gravel in upper 6 inches		
	Sandy silt with gravel, cobbles, boulders (0' 6" – 8' 6")		
5			
	Basalt in lower 6 inches		
	Basalt		
10			
15			
20			



WELL SPECS

Distance from GS to TOC	=	6"
Total boring depth	=	9' 9"
Thickness of concrete seal	=	9"
Thickness of bentonite seal	=	3"
Sand-pack above screen	=	12"

LEGEND

- = concrete seal
- = bentonite seal
- = 10/20 filter-pack sand
- = 2-in SCH 40 PVC casing
- = 0.020-in slotted screen
- = PVC end cap

PROJECT Port of Benton Agreed Order DE 6070

PROJECT NUMBER 2722-1

LOCATION Prosser Airport

DRILLING DATE 3/30/2009

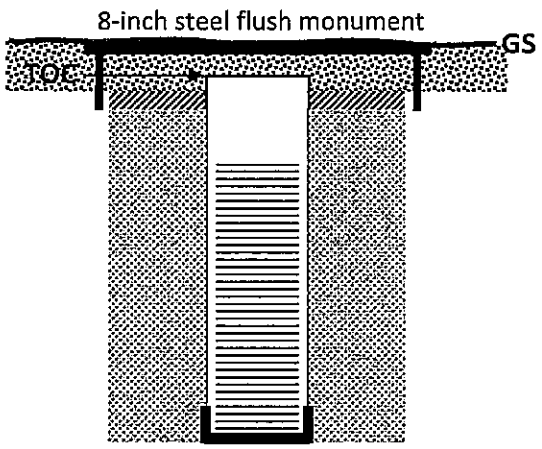
WELL ID **MW-6**

DRILLING METHOD Sonic

LOGGED BY Brett D. Smith PE, LG

DRILLER Environmental West Exploration

DEPTH	SOIL DESCRIPTION	GRAPHIC	MISC
	3/8-minus gravel in upper 6 inches		
	Sandy silt with gravel, cobbles, boulders (0' 6" – 5' 7")		
5	Basalt in lower 5 inches		
	Basalt		
10			
15			
20			



WELL SPECS

Distance from GS to TOC	=	9"
Total boring depth	=	6' 7"
Thickness of concrete seal	=	9"
Thickness of bentonite seal	=	3"
Sand-pack above screen	=	12"

LEGEND

- = concrete seal
- = bentonite seal
- = 10/20 filter-pack sand
- = 2-in SCH 40 PVC casing
- = 0.020-in slotted screen
- = PVC end cap

PROJECT Port of Benton Agreed Order DE 6070

PROJECT NUMBER 2722-1

LOCATION Prosser Airport

DRILLING DATE 3/30/2009

WELL ID MW-7

DRILLING METHOD Sonic

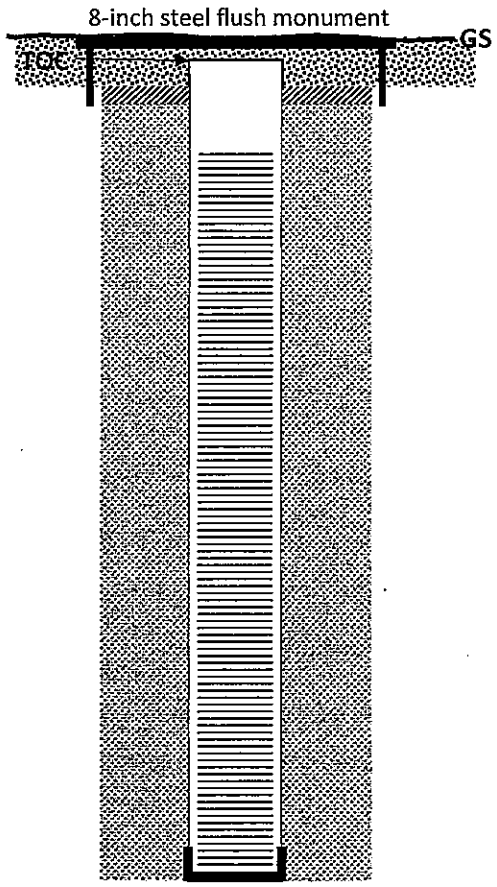
LOGGED BY Brett D. Smith PE, LG

DRILLER Environmental West Exploration

DEPTH	SOIL DESCRIPTION	GRAPHIC	MISC
	3/8-minus gravel in upper 6 inches		
5	Sandy silt with gravel, cobbles, boulders (0' 6" – 14' 0")		
10			
15	Basalt		
20			

WELL SPECS

Distance from GS to TOC	=	6"
Total boring depth	=	15' 0"
Thickness of concrete seal	=	11"
Thickness of bentonite seal	=	3"
Sand-pack above screen	=	10"



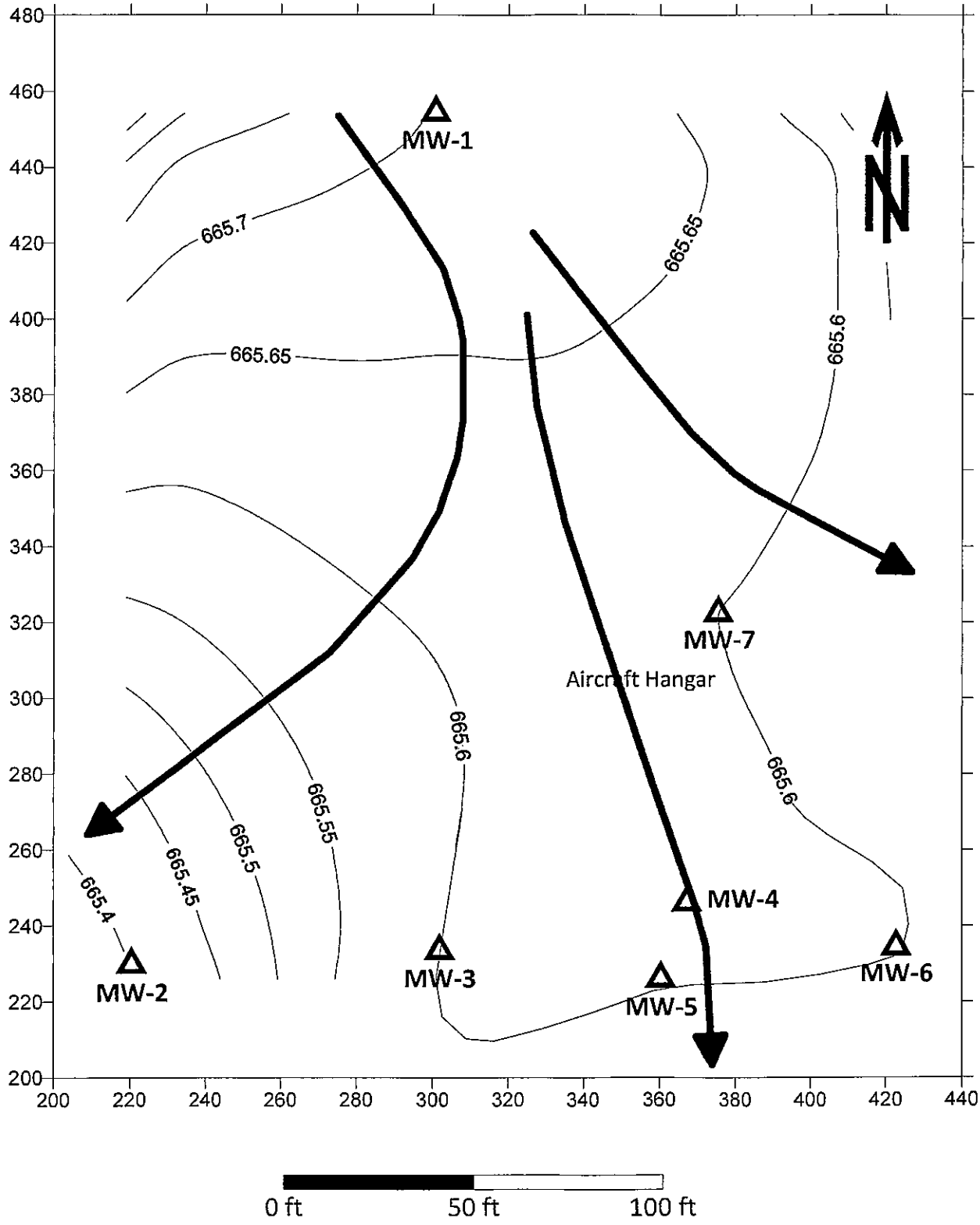
LEGEND

- = concrete seal
- = bentonite seal
- = 10/20 filter-pack sand
- = 2-in SCH 40 PVC casing
- = 0.020-in slotted screen
- = PVC end cap

Prosser Aircraft Applicators Site

January Groundwater Surface Map

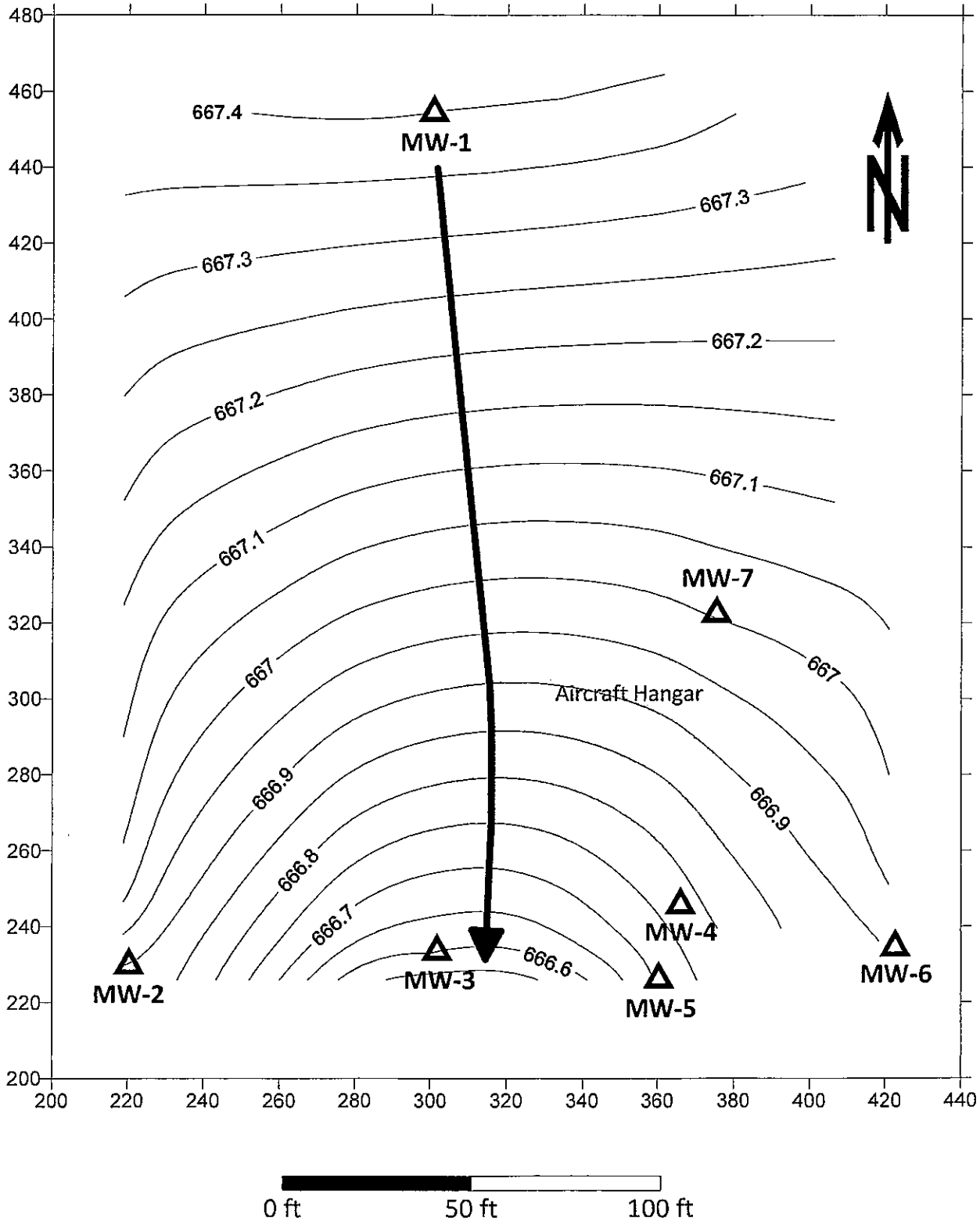
= groundwater flow direction



Prosser Aircraft Applicators Site

April Groundwater Surface Map

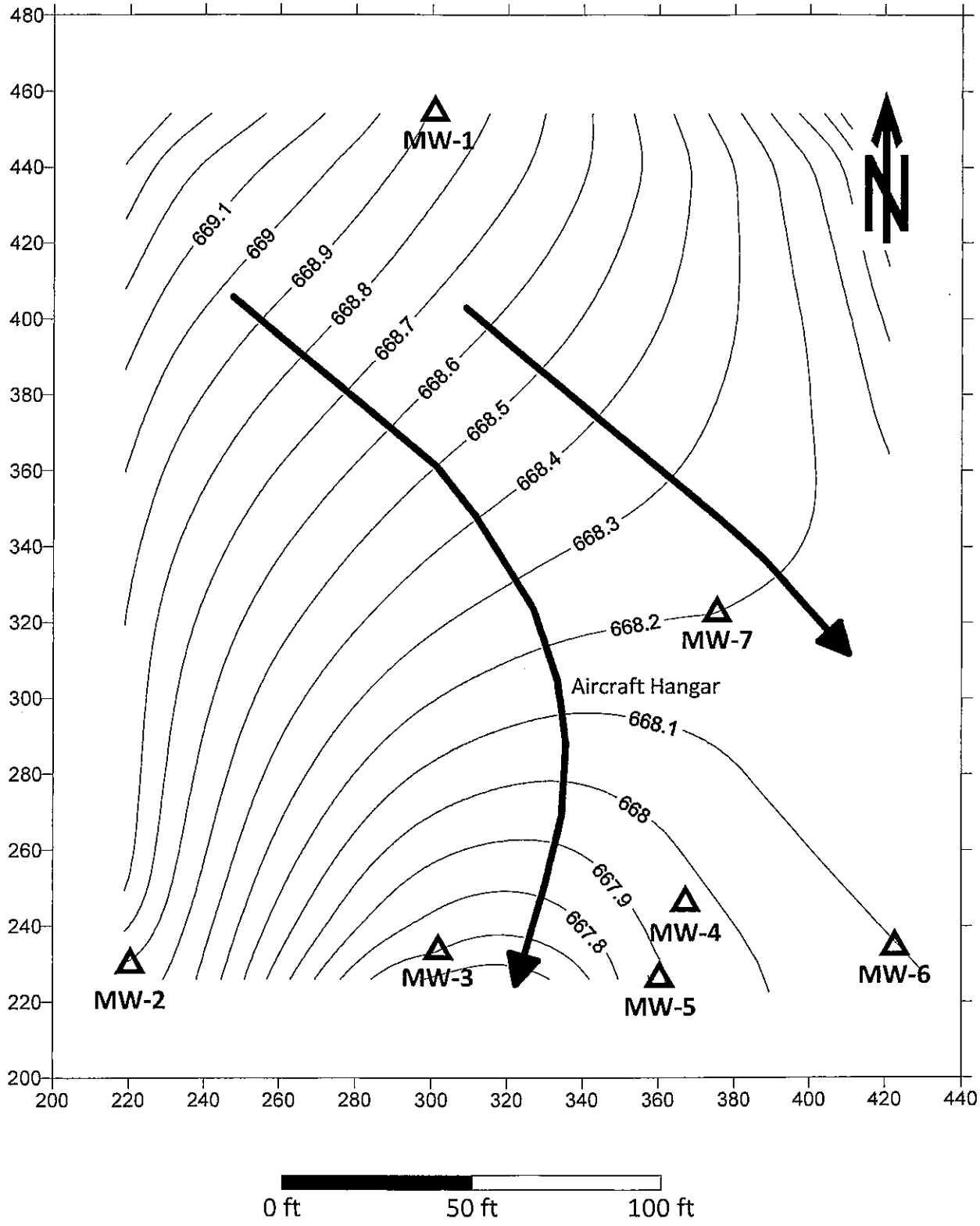
= groundwater flow direction



Prosser Aircraft Applicators Site

July Groundwater Surface Map

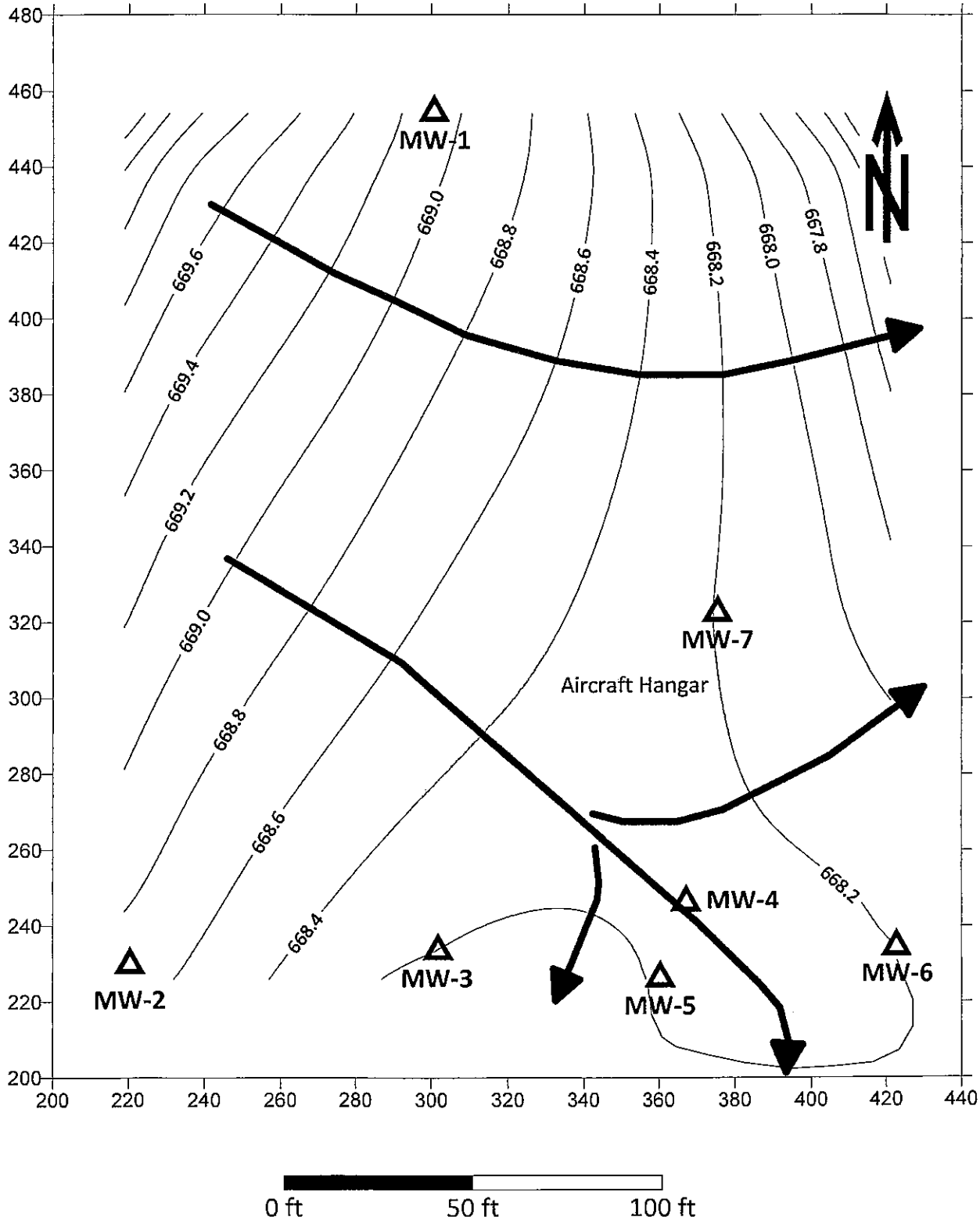
= groundwater flow direction

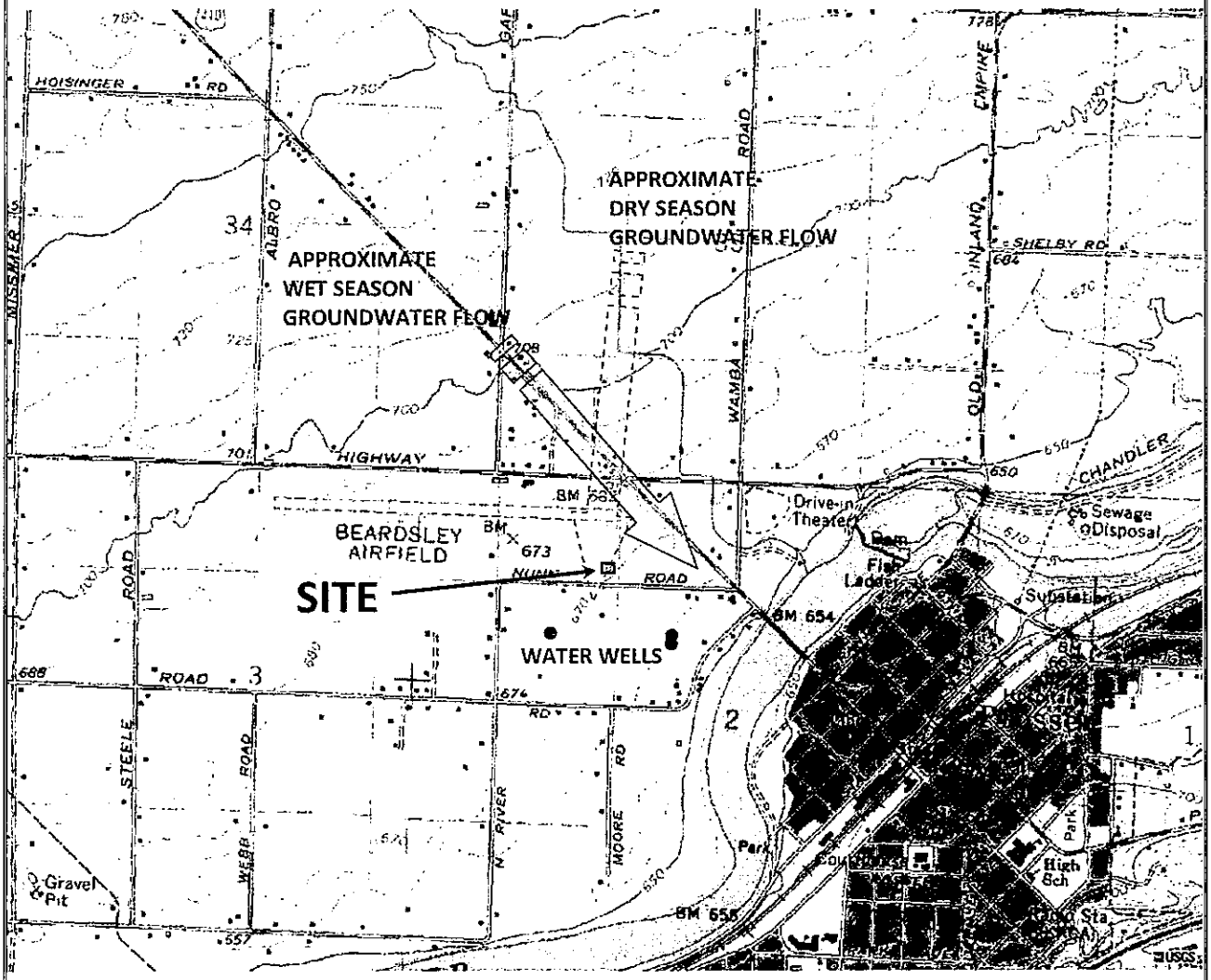


Prosser Aircraft Applicators Site

October Groundwater Surface Map

= groundwater flow direction





USGS 7.5-minute quadrangle, 1991
Prosser, Washington

The EMPIRICAL Company 7320 West Hood Place, Suite 101 Kennewick, WA 99336	**VICINITY TOPOGRAPHIC MAP** SCALE: 1 INCH = 1,870 FEET	N
TEC Project No. 2722-1 Drawn by: Brett D. Smith PE, LG (Environmental Compliance Associates, LLC)	**AIRCRAFT APPLICATORS, INC. - PROSSER AIRPORT** NEARBY DOWNGRADIENT WATER WELL LOCATIONS	

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission ("x" in circle)

(x) Construction 276752

( ) Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT

Notice of Intent No. W248562

Unique Ecology Well ID Tag No. APK 137

Water Right Permit No. _____

Property Owner Name Joseph & Peggy Glossen

Well Street Address PCS 1366 PCSW

City Prosser County Benton -03-

Location SW 1/4-1/4 NW 1/4 Sec 2 Twn 8 R 24 E/W WM

Lat/Long (s, t, r Still REQUIRED) Lat Deg _____ Lat Min/Sec d

Long Deg _____ Long Min/Sec _____

Tax Parcel No. 102843011815004

PROPOSED USE: (x) Domestic ( ) Industrial ( ) Municipal ( ) DeWater ( ) Irrigation ( ) Test Well ( ) Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

(x) New well ( ) Reconditioned Method: ( ) Dug ( ) Bored ( ) Driven ( ) Deepened ( ) Cable (x) Rotary ( ) Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 105 ft.

Depth of completed well 105 ft.

CONSTRUCTION DETAILS

Casing: (x) Welded 6" Diam. from +2 ft. to 55 ft.

Installed: ( ) Liner installed 4" Diam. from 50 ft. to 105 ft.

( ) Threaded

Perforations: (x) Yes ( ) No

Type of perforator used Saw Cut

SIZE of perfs 1/8 in. by 6 in. and no. of perfs 60 from 55 ft. to 105 ft.

Screens: ( ) Yes (x) No ( ) K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/filter packed: ( ) Yes (x) No ( ) Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: (x) Yes ( ) No To what depth? 20 ft.

Material used in seal Bentonite

Did any strata contain unusable water? ( ) Yes (x) No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 21 ft. below top of well Date 6-25-07

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ( ) Yes ( ) No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

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 _____

Bailer test 4 gal./min. with _____ ft. drawdown after _____ hrs.

Airlift 50 gal./min. with stem set at 100 ft. for 1 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ( ) Yes ( ) No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formations: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Soil Gravel	0	14
Gravel	14	25
Tan Clay	25	55
Black Basalt	55	86
Fractured Basalt water	86	92
Black Basalt	92	105

Start Date 6-25-07 Completed Date 6-26-07

RECEIVED DEPT OF ECOLOGY AUG 20 2007 CENTRAL REGION

RECEIVED DEPT OF ECOLOGY SEP 18 2007 CENTRAL REGION

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

(x) Driller ( ) Engineer ( ) Trainee Name (Print) Rod Cox

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 2302

Drilling Company Rod Cox Drilling

Address P.O. Box 5324

City, State, Zip Benton City Wash 99320

Contractor's Registration No. RODCOX022JC Date 7/7/07

IF TRAINEE,

Driller's Licensed No. _____

Driller's Signature _____

Ecology is an Equal Opportunity Employer.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

[illegible]ER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name Reuben Zimmerman Address Gap Rd. Rt 1 Box 1003 Prosser Wa

(2) LOCATION OF WELL: County BENTON Ptn of Govt Lot 5 Sec. 2 T. 8 N., R. 24 W.M.
Bearing and distance from section or subdivision corner Bearing SE of the NW corner SE 1/4 NE 1/4 99350

(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 140 ft. Depth of completed well 140 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 19 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? 19 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name.....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 18 ft. below top of well Date .....
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? .....
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 .....
Bailer test 20 gal./min. with 47 ft. drawdown after 4 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water 54 Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG: H

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
Gravel & Clay	0	14
Black Basalt	0	95
Gray Basalt	95	126
Sand Clay	126	130
Sand Stone-water	130	140

RECEIVED JAN 25 1979 DEPARTMENT OF ECOLOGY SOUTHWEST REGIONAL OFFICE

RECEIVED JAN 25 1979 DEPARTMENT OF ECOLOGY CENTRAL REGIONAL OFFICE

Work started 1-10 1979 Completed 1-16 1979

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 Troy E. Rinehart (Person, firm, or corporation) (Type or print)
Address 1805 C Hwy 12 Naches
[Signed] Troy E. Rinehart (Well Driller)
License No. 0437 Date 1-16 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original with Department of Ecology
Second Copy Owner's Copy
Third Copy Driller's Copy

113518

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent W149987
UNIQUE WELL I.D. # AGM 143
Water Right Permit No ____

(1) OWNER Name Warren Boggert Address 14 Jackie Ct Burbank 99323

(2) LOCATION OF WELL County Benton SE 1/4 NW 1/4 Sec 2 T 8 N R 24E WM

(2a) STREET ADDRESS OF WELL (or nearest address) ____

TAX PARCEL NO ____ F

(3) PROPOSED USE ☒ Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐ DeWater

(4) TYPE OF WORK Owner's number of well (if more than one) ____
☒ New Well ☐ Deepened ☐ Reconditioned ☐ Decommission
Method ☐ Dug ☐ Cable ☒ Rotary ☐ Bored ☐ Driven ☐ Jetted

(5) DIMENSIONS Diameter of well 6 inches
Drilled 143 feet Depth of completed well 143 ft

(6) CONSTRUCTION DETAILS
Casing Installed ☒ Welded 6 Diam from +1½ ft to 142 ft (Tube)
☐ Liner installed ____ Diam from ____ ft to ____ ft
☐ Threaded ____ Diam from ____ ft to ____ ft

Perforations ☐ Yes ☒ No
Type of perforator used ____
SIZE of perforations ____ in by ____ in
____ perforations from ____ ft to ____ ft

Screens ☐ Yes ☒ No ☐ K Pac Location ____
Manufacturer's Name ____
Type ____ Model No ____
Diam ____ Slot Size ____ from ____ ft to ____ ft
Diam ____ Slot Size ____ from ____ ft to ____ ft

Gravel/Filter packed ☐ Yes ☒ No ☐ Size of gravel/sand ____
Material placed from ____ ft to ____ ft

Surface seal ☒ Yes ☐ No To what depth? 20 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 ____
Type ____ H.P. ____

(8) WATER LEVELS Land surface elevation above mean sea level ____ ft
Static level 12'6" ft below top of well Date 4-12-02
Artesian pressure ____ lbs per square inch Date ____
Artesian water is controlled by ____ (Cap valve etc)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes by whom? ____
Yield ____ gal/min with ____ ft drawdown after ____ hrs
Yield ____ gal/min with ____ ft drawdown after ____ hrs
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 ____
Bailer test ____ gal/min with ____ ft drawdown after ____ hrs
Airtest 30 gal/min with 60 ft drawdown after 2 hrs
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? ☐ Yes ☐ No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION
Formation Describe by color character size of material and structure and the kind and nature of the material in each stratum penetrated with at least one entry for each change of information Indicate all water encountered

MATERIAL	FROM	TO
Soil	0	1
Cobbles gravel sand	1	15
Basalt Weathered Black	15	62
Basalt Black	62	111
Sandstone Water Bearing	111	143

DEPT OF ECOLOGY RECEIVED APR 2 9 2002 CENTRAL REG

Work Started 4-11-02 Completed 4-12-02

WELL CONSTRUCTION CERTIFICATION

I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Type or Print Name Jim Nelson License No 361 (Licensed Driller/Engineer)

Trainee Name ____ License No ____
Drilling Company 8200 W Argent Pasco
(Signed) Jim Nelson License No 361 (Licensed Driller/Engineer)
Address Nelson Well Drilling Inc
Contractor's Registration No NELSOWD215CQ Date 4-12-02

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050 1 20 (11/98)

Ecology is an Equal Opportunity and Affirmative Action employer For special accommodation needs contact the Water Resources Program at (360) 407 6600 The TDD number is (360) 407 6006

APPENDIX E

EXCAVATED AND CLEAN SOIL SUMMARIES

SUMMARY OF EXCAVATED AND FILL SOILS AT THE PROSSER AIRPORT SITE

EXCAVATED SOIL (WEIGHED AT LANDFILL AND USING 1 ONE CUBIC YARD, CY = 1.4 TONS)

Tipping Fee Ticket Totals – Columbia Asphalt (aka LS Wapato LLC)	= 4,942 CY
Tipping Fee Ticket Totals – Rabanco (aka Allied Waste Regional Landfill)	= 3,322 CY
TOTAL EXCAVATED SOIL VOLUME	**= 8,264 CY**

FILL SOIL (BASED UPON VOLUME PER TRUCK LOAD OF DRY SOILS AND SCREENINGS)

Conrad Russell Excavation, LLC	= 9,465 CY
Alba's Excavating	= 900 CY
TOTAL FILL SOIL VOLUME	**= 10,365 CY**

EXPLANATION FOR DISCREPANCY BETWEEN EXCAVATED AND FILL SOIL VOLUMES

Whenever loose soils are utilized to fill an excavation, they typically encounter compaction offsets (ie, swell factors) ranging from 12 percent (sand) to 40 percent (clay). According to soils engineering tables, a 25 percent swell factor applies to the soil type (ie, "earth") typical of the Prosser Airport vicinity. The associated load or compaction factor for such soils is 0.80, whereby the volume of the loose fill material is adjusted to determine its corresponding volume when ultimately compacted within the excavation (1).

It is prudent to assume that saturated, well-compacted loads of freshly excavated soil would very closely represent the volume of the site excavation itself. This especially holds true for the Prosser Airport site, whereby excavated soils were water saturated and thus well compacted.

Conversely, reducing the dry fill soil volume by the 0.80 load factor should yield a volume similar to that of the excavated soils. This rationale was applied to the excavated and fill soil volumes as follows:

10,365 CY (loose fill soil) x 0.80 = 8,292 CY compacted volume

8,292 CY (calculated compacted volume) ÷ 8,264 CY (actual compacted volume) = **0.34% error!**

CONCLUSION

The 0.80 load factor is appropriate regarding the excavated soils and the fill material placed into the excavations. This load factor accounts for 99.66% of the volume discrepancy between the excavated and fill soils.

REFERENCE

1. Civil Engineering Reference Manual for the PE Exam (11th Edition), Lindberg, Michael R., Professional Publications, Inc., Belmont, California.

LS WAPATO LLC
P.O. BOX 9337
YAKIMA, WA 98909

Invoice 8

Bill to:	Job:
PORT OF BENTON 3100 GEORGE WASHINGTON WAY RICHLAND, WA 99352	

Invoice #:	8	Date:	04/30/08	Customer P.O. #:	
Payment Terms:	NET 30 DAYS			Salesperson:	
Customer Code:	PORT BENTO				

Remarks: CONTAMINATED ROCK HAULED INTO OUR PLANT

Quantity	Description	U/M	Unit Price	Extension
91.660	04-14-08	TON	6.00	549.96
182.010	04-15-08	TON	6.00	1,092.06
203.020	04-16-08	TON	6.00	1,218.12
119.530	04-17-08	TON	6.00	717.18
243.430	04-18-08	TON	6.00	1,460.58
255.670	04-21-08	TON	6.00	1,534.02
221.000	04-22-08	TON	6.00	1,326.00
111.350	04-23-08	TON	6.00	668.10
165.040	04-24-08	TON	6.00	990.24
146.500	04-28-08	TON	6.00	879.00
90.590	04-29-08	TON	6.00	543.54
144.550	04-30-08	TON	6.00	867.30
			Subtotal:	**11,846.10**
			Tax:	**935.84**
			Total:	**12,781.94**

Page totals
1,974 Tons
1,410 CY (@ 1.4 T per CY)
Columbia Asphalt

LS WAPATO LLC
P.O. BOX 9337
YAKIMA, WA 98909

Invoice 9

Bill to:	Job:
PORT OF BENTON 3100 GEORGE WASHINGTON WAY RICHLAND, WA 99352	

Invoice #:	9	Date: 05/19/08	Customer P.O. #:
Payment Terms:	NET 30 DAYS		Salesperson:
Customer Code:	PORT BENTO		

Remarks: CONTAMINATED ROCK HAULED INTO OUR PLANT

Quantity	Description	U/M	Unit Price	Extension
142.250	05-01-08	TON	6.00	853.50
29.730	05-02-08	TON	6.00	178.38
56.890	05-09-08	TON	6.00	341.34
61.560	05-08-08	TON	6.00	369.36
184.700	05-09-08	TON	6.00	1,108.20
280.300	05-12-08	TON	6.00	1,681.80
336.310	05-13-08	TON	6.00	2,017.86
279.100	05-14-08	TON	6.00	1,674.60
141.510	05-15-08	TON	6.00	849.06
30.000	05-16-08	TON	6.00	180.00
153.070	05-19-08	TON	6.00	918.42
			Subtotal:	**10,172.52**
			Tax:	**803.63**
			Total:	**10,976.15**

Page totals
1,695 Tons
1,211 CY (@ 1.4 T per CY)
Columbia Asphalt

LS WAPATO LLC
P.O. BOX 9337
YAKIMA, WA 98909

Invoice 11

Bill to:	Job:
PORT OF BENTON 3100 GEORGE WASHINGTON WAY RICHLAND, WA 99352	

Invoice #:	11	Date: 05/30/08	Customer P.O. #:
Payment Terms:	NET 30 DAYS		Salesperson:
Customer Code:	PORT BENTO		

Remarks: CONTAMINATED ROCK HAULED INTO OUR PLANT

Quantity	Description	U/M	Unit Price	Extension
375.270	05-20-08	TON	6.00	2,251.62
230.780	05-21-08	TON	6.00	1,384.68
125.120	05-22-08	TON	6.00	750.72
92.600	05-23-08	TON	6.00	555.60
290.260	05-27-08	TON	6.00	1,741.56
66.420	05-28-08	TON	6.00	398.52
220.500	05-29-08	TIO	6.00	1,323.00
253.690	05-30-08	TON	6.00	1,522.14
			Subtotal:	**9,927.84**
			Tax:	**784.30**
			Total:	**10,712.14**

Page totals
1,655 Tons
1,182 CY (@ 1.4 T per CY)
Columbia Asphalt

LS WAPATO LLC
P.O. BOX 9337
YAKIMA, WA 98909

Invoice 13

Bill to:	Job:
PORT OF BENTON 3100 GEORGE WASHINGTON WAY RICHLAND, WA 99352	

Invoice #:	13	Date:	06/12/08	Customer P.O. #:	
Payment Terms:	NET 30 DAYS			Salesperson:	
Customer Code:	PORT BENTO				

Remarks: CONTAMINATED ROCK HAULED INTO OUR PLANT

Quantity	Description	U/M	Unit Price	Extension
163.510	06-02-08	TON	6.00	981.06
175.010	06-03-08	TON	6.00	1,050.06
289.990	06-04-08	TON	6.00	1,739.94
175.120	06-05-08	TON	6.00	1,050.72
30.980	06-06-08	TON	6.00	185.88
263.580	06-09-08	TON	6.00	1,581.48
436.240	06-10-08	TON	6.00	2,617.44
30.290	06-11-08	TON	6.00	181.74
29.450	06-12-08	TON	6.00	176.70
			Subtotal:	**9,565.02**
			Tax:	**755.64**
			Total:	**10,320.66**

Page totals
1,594 Tons
1,139 CY (@ 1.4 T per CY)
Columbia Asphalt

Activity By Job ID

Report period March 2007

Rabanco — Allied Waste Regional Landfill, 500 Roosevelt Grade Road, Roosevelt, WA 99356-0339

Job ID: 07-1078 15,803 Port of Benton

Date	Ticket #	Rail Car/Train Address	Container	Material Code/Desc	Gross	Tare	Net	Tons	Origin/Facility	Dispatch Date
3/21/07 8:50 am	134,976			34 PCS 34	67,420	34,940	32,480	16.24	Roosevelt Landfill	
3/21/07 8:52 am	134,977			34 PCS 34	84,440	34,260	50,180	25.09	Roosevelt Landfill	
3/21/07 12:02 pm	135,063			34 PCS 34	67,020	34,820	32,200	16.10	Roosevelt Landfill	
3/21/07 12:34 pm	135,077			34 PCS 34	79,820	34,060	45,760	22.88	Roosevelt Landfill	
3/21/07 3:12 pm	135,098			34 PCS 34	79,480	34,460	45,020	22.51	Roosevelt Landfill	
3/21/07 3:36 pm	135,099			34 PCS 34	84,220	33,660	50,560	25.28	Roosevelt Landfill	
3/22/07 8:38 am	135,132			34 PCS 34	80,400	33,640	46,760	23.38	Roosevelt Landfill	
3/22/07 8:39 am	135,134			34 PCS 34	74,100	35,860	38,240	19.12	Roosevelt Landfill	
3/22/07 11:54 am	135,244			34 PCS 34	84,220	34,220	50,000	25.00	Roosevelt Landfill	
3/22/07 11:57 am	135,246			34 PCS 34	77,520	35,180	42,340	21.17	Roosevelt Landfill	
3/22/07 2:46 pm	135,324			34 PCS 34	80,460	34,140	46,320	23.16	Roosevelt Landfill	
3/22/07 2:51 pm	135,328			34 PCS 34	76,980	34,580	42,400	21.20	Roosevelt Landfill	
3/23/07 8:33 am	135,478			34 PCS 34	85,780	33,940	51,840	25.92	Roosevelt Landfill	
3/23/07 8:35 am	135,479			34 PCS 34	73,520	34,940	38,580	19.29	Roosevelt Landfill	
3/23/07 11:49 am	135,595			34 PCS 34	80,220	33,840	46,380	23.19	Roosevelt Landfill	
3/23/07 11:57 am	135,604			34 PCS 34	83,040	34,960	48,080	24.04	Roosevelt Landfill	
3/23/07 3:04 pm	135,684			34 PCS 34	75,860	34,620	41,240	20.62	Roosevelt Landfill	
3/23/07 3:14 pm	135,691			34 PCS 34	85,180	33,500	51,680	25.84	Roosevelt Landfill	
3/24/07 8:45 am	135,810	07-1078		34 PCS 34	83,980	35,080	48,900	24.45	Roosevelt Landfill	
3/24/07 8:53 am	135,816	07-1078		34 PCS 34	90,800	34,360	56,440	28.22	Roosevelt Landfill	
3/24/07 11:57 am	135,916	07-1078		34 PCS 34	82,920	35,080	47,840	23.92	Roosevelt Landfill	
3/24/07 12:22 pm	135,924	07-1078		34 PCS 34	88,280	34,320	53,960	26.98	Roosevelt Landfill	
3/24/07 3:10 pm	135,999	07-1078		34 PCS 34	79,180	34,660	44,520	22.26	Roosevelt Landfill	
3/24/07 3:35 pm	136,013	07-1078		34 PCS 34	86,200	33,940	52,260	26.13	Roosevelt Landfill	
3/26/07 8:30 am	136,065			34 PCS 34	79,800	33,700	46,100	23.05	Roosevelt Landfill	
3/26/07 8:33 am	136,068			34 PCS 34	79,960	35,120	44,840	22.42	Roosevelt Landfill	
3/26/07 11:33 am	136,182			34 PCS 34	80,620	35,100	45,520	22.76	Roosevelt Landfill	

Activity By Job ID

Report period March 2007

Rabanco

Unified Waste Regional Landfill
2000 Roosevelt Grade Road
Roosevelt, WA 99356-0338

3/26/07	11:50 am	136,185	34	PCS 34	81,100	33,640	47,460	23.73	Roosevelt Landfill
3/26/07	3:06 pm	136,255	34	PCS 34	76,580	34,660	41,920	20.96	Roosevelt Landfill
3/26/07	3:21 pm	136,256	34	PCS 34	84,000	34,180	49,820	24.91	Roosevelt Landfill
3/27/07	8:40 am	136,410	34	PCS 34	75,360	35,300	40,060	20.03	Roosevelt Landfill
3/27/07	10:04 am	136,456	34	PCS 34	77,900	34,240	43,660	21.83	Roosevelt Landfill
3/27/07	12:18 pm	136,545	34	PCS 34	75,300	35,220	40,080	20.04	Roosevelt Landfill
3/27/07	1:24 pm	136,562	34	PCS 34	76,140	33,860	42,280	21.14	Roosevelt Landfill
3/27/07	3:53 pm	136,658	34	PCS 34	79,100	34,540	44,560	22.28	Roosevelt Landfill
3/27/07	4:55 pm	136,684	34	PCS 34	82,560	33,560	49,000	24.50	Roosevelt Landfill
3/29/07	12:10 pm	137,131	34	PCS 34	73,660	34,740	38,920	19.46	Roosevelt Landfill
3/29/07	12:14 pm	137,133	34	PCS 34	80,820	33,640	47,180	23.59	Roosevelt Landfill
3/29/07	3:56 pm	137,231	34	PCS 34	89,720	34,300	55,420	27.71	Roosevelt Landfill
3/29/07	4:26 pm	137,254	34	PCS 34	83,440	34,500	48,940	24.47	Roosevelt Landfill
3/30/07	8:31 am	137,315	34	PCS 34	78,200	34,020	44,180	22.09	Roosevelt Landfill
3/30/07	8:52 am	137,318	34	PCS 34	76,146	35,000	41,146	20.57	Roosevelt Landfill
3/30/07	12:05 pm	137,440	34	PCS 34	77,580	34,740	42,840	21.42	Roosevelt Landfill
3/30/07	12:41 pm	137,458	34	PCS 34	82,520	33,880	48,640	24.32	Roosevelt Landfill
3/30/07	3:43 pm	137,535	34	PCS 34	79,900	34,580	45,320	22.66	Roosevelt Landfill
3/30/07	4:42 pm	137,579	34	PCS 34	82,980	33,560	49,420	24.71	Roosevelt Landfill
4/2/07	11:40 am	138,014	34	PCS 34	79,900	34,180	45,720	22.86	Roosevelt Landfill
4/2/07	12:04 pm	138,018	34	PCS 34	79,700	35,000	44,700	22.35	Roosevelt Landfill
4/2/07	3:17 pm	138,109	34	PCS 34	83,220	33,980	49,240	24.62	Roosevelt Landfill
4/2/07	3:23 pm	138,124	34	PCS 34	78,340	34,760	43,580	21.79	Roosevelt Landfill
4/3/07	8:30 am	138,206	34	PCS 34	82,620	33,860	48,760	24.38	Roosevelt Landfill
4/3/07	8:34 am	138,213	34	PCS 34	79,580	34,980	44,600	22.30	Roosevelt Landfill
4/3/07	12:16 pm	138,340	34	PCS 34	81,760	33,520	48,240	24.12	Roosevelt Landfill
4/3/07	12:15 pm	138,345	34	PCS 34	74,300	34,820	39,480	19.74	Roosevelt Landfill
4/3/07	4:02 pm	138,443	34	PCS 34	72,520	34,600	37,920	18.96	Roosevelt Landfill

Activity By Job ID

Report period April 2007

Rabanco Allied Waste Regional Landfill
2000 Roosevelt Grade Road
Roosevelt, WA 99356-0338

4/4/07	10:34 am	138,568	34	PCS 34	71,000	34,960	36,040	18.02	Roosevelt Landfill
4/4/07	10:50 pm	138,582	34	PCS 34	79,640	34,060	45,580	22.79	Roosevelt Landfill
4/4/07	2:32 pm	138,677	34	PCS 34	72,460	34,680	37,780	18.89	Roosevelt Landfill
4/4/07	3:03 pm	138,697	34	PCS 34	77,520	33,740	43,780	21.89	Roosevelt Landfill
4/5/07	10:39 am	138,874	34	PCS 34	70,060	34,900	35,160	17.58	Roosevelt Landfill
4/19/07	4:14 pm	142,558	34	PCS 34	75,580	34,800	40,780	20.39	Roosevelt Landfill
4/20/07	8:27 am	142,625	34	PCS 34	78,940	34,680	44,260	22.13	Roosevelt Landfill
4/20/07	12:05 pm	142,704	34	PCS 34	83,560	34,540	49,020	24.51	Roosevelt Landfill
4/20/07	4:01 pm	142,799	34	PCS 34	84,380	34,760	49,620	24.81	Roosevelt Landfill
4/23/07	8:28 am	143,124	34	PCS 34	78,420	34,840	43,580	21.79	Roosevelt Landfill
4/23/07	12:20 pm	143,249	34	PCS 34	78,800	34,460	44,340	22.17	Roosevelt Landfill
4/23/07	4:13 pm	143,339	34	PCS 34	73,260	34,960	38,300	19.15	Roosevelt Landfill
4/24/07	10:53 am	143,501	34	PCS 34	79,080	34,740	44,340	22.17	Roosevelt Landfill
2/27/08	11:09 am	216,313	34	PCS 34	99,040	31,240	67,800	33.90	Roosevelt Landfill
2/27/08	2:17 pm	216,377	34	PCS 34	98,660	31,080	67,580	33.79	Roosevelt Landfill
2/28/08	11:21 am	216,616	34	PCS 34	105,040	31,120	73,920	36.96	Roosevelt Landfill
2/28/08	2:57 pm	216,723	34	PCS 34	92,040	30,760	61,280	30.64	Roosevelt Landfill
3/14/08	11:00 am	220,232	34	PCS 34	90,840	33,040	57,800	28.90	Roosevelt Landfill
3/14/08	10:58 am	220,234	34	PCS 34	101,840	34,060	67,780	33.89	Roosevelt Landfill
3/14/08	2:55 pm	220,371	34	PCS 34	93,660	33,020	60,640	30.32	Roosevelt Landfill
3/14/08	3:30 pm	220,399	34	PCS 34	106,040	33,660	72,380	36.19	Roosevelt Landfill
3/17/08	8:03 am	220,823	34	PCS 34	97,260	32,060	65,200	32.60	Roosevelt Landfill
3/17/08	8:26 am	220,837	34	PCS 34	110,260	33,940	76,320	38.16	Roosevelt Landfill
3/17/08	12:36 pm	220,960	34	PCS 34	100,020	33,840	66,180	33.09	Roosevelt Landfill
3/18/08	8:42 am	221,126	34	PCS 34	104,620	34,300	70,320	35.16	Roosevelt Landfill
3/18/08	12:33 pm	221,250	34	PCS 34	107,720	34,180	73,540	36.77	Roosevelt Landfill
3/19/08	9:31 am	221,347	34	PCS 34	97,940	34,500	63,440	31.72	Roosevelt Landfill
3/19/08	1:51 pm	221,456	34	PCS 34	93,760	34,620	59,140	29.57	Roosevelt Landfill

Activity By Job ID

Report period March 2008

Rabanco

Allied Waste Regional Landfill
500 Roosevelt Grade Road
Roosevelt, WA 99356-0338

3/19/08	5:10 pm	221,586	34	PCS 34	92,720	33,800	58,920	29.46	Roosevelt Landfill
3/20/08	8:31 am	221,619	34	PCS 34	93,040	33,860	59,180	29.59	Roosevelt Landfill
3/20/08	11:56 am	221,738	34	PCS 34	104,080	33,520	70,560	35.28	Roosevelt Landfill
3/20/08	4:38 pm	221,875	34	PCS 34	99,460	33,980	65,480	32.74	Roosevelt Landfill
3/21/08	8:03 am	221,920	34	PCS 34	89,480	32,640	56,840	28.42	Roosevelt Landfill
3/21/08	8:04 am	221,921	34	PCS 34	90,800	33,940	56,860	28.43	Roosevelt Landfill
3/21/08	12:12 pm	221,969	34	PCS 34	83,000	32,440	50,560	25.28	Roosevelt Landfill
3/21/08	12:21 pm	221,970	34	PCS 34	91,000	33,600	57,400	28.70	Roosevelt Landfill
3/21/08	5:02 pm	222,129	34	PCS 34	100,140	34,080	66,060	33.03	Roosevelt Landfill
3/24/08	8:09 am	222,457	34	PCS 34	89,000	32,700	56,300	28.15	Roosevelt Landfill
3/24/08	8:10 am	222,458	34	PCS 34	100,420	34,000	66,420	33.21	Roosevelt Landfill
3/24/08	12:18 pm	222,594	34	PCS 34	87,700	32,460	55,240	27.62	Roosevelt Landfill
3/24/08	12:22 pm	222,598	34	PCS 34	95,600	33,700	61,900	30.95	Roosevelt Landfill
3/24/08	4:51 pm	222,738	34	PCS 34	96,780	34,160	62,620	31.31	Roosevelt Landfill
3/25/08	8:11 am	222,779	34	PCS 34	102,160	33,700	68,460	34.23	Roosevelt Landfill
3/25/08	8:12 am	222,781	34	PCS 34	91,600	32,280	59,320	29.66	Roosevelt Landfill
3/25/08	12:42 pm	222,930	34	PCS 34	96,260	32,160	64,100	32.05	Roosevelt Landfill
3/25/08	1:54 pm	222,939	34	PCS 34	100,380	34,420	65,960	32.98	Roosevelt Landfill
3/25/08	5:26 pm	223,060	34	PCS 34	88,960	32,560	56,400	28.20	Roosevelt Landfill
3/25/08	5:27 pm	223,064	34	PCS 34	105,820	33,720	72,100	36.05	Roosevelt Landfill
3/26/08	8:09 am	223,079	34	PCS 34	95,840	32,520	63,320	31.66	Roosevelt Landfill
3/26/08	8:03 am	223,080	34	PCS 34	106,420	33,940	72,480	36.24	Roosevelt Landfill
3/26/08	11:35 am	223,203	34	PCS 34	94,600	34,040	60,560	30.28	Roosevelt Landfill
3/26/08	11:47 am	223,204	34	PCS 34	88,960	32,440	56,520	28.26	Roosevelt Landfill
3/26/08	3:36 pm	223,317	34	PCS 34	95,240	32,080	63,160	31.58	Roosevelt Landfill
3/27/08	8:24 am	223,400	34	PCS 34	100,080	33,400	66,680	33.34	Roosevelt Landfill
3/27/08	8:29 am	223,401	34	PCS 34	88,460	32,060	56,400	28.20	Roosevelt Landfill
4/1/08	8:14 am	224,589	34	PCS 34	100,280	33,860	66,420	33.21	Roosevelt Landfill

Activity By Job ID

Report period April 2008

Rabanco

Allied Waste Regional Landfill
500 Roosevelt Grade Road
Roosevelt, WA 99356-0338

4/1/08	1:21 pm	224,717	34	PCS 34	94,060	33,920	60,140	30.07	Roosevelt Landfill
4/1/08	4:47 pm	224,818	34	PCS 34	98,180	33,700	64,480	32.24	Roosevelt Landfill
4/2/08	1:29 pm	224,979	34	PCS 34	96,680	33,720	62,960	31.48	Roosevelt Landfill
4/2/08	5:19 pm	225,122	34	PCS 34	95,080	33,640	61,440	30.72	Roosevelt Landfill
4/3/08	9:26 am	225,191	34	PCS 34	94,360	33,920	60,440	30.22	Roosevelt Landfill
4/3/08	3:24 pm	225,378	34	PCS 34	101,820	33,700	68,120	34.06	Roosevelt Landfill
4/14/08	8:11 am	227,801	34	PCS 34	99,180	38,100	61,080	30.54	Roosevelt Landfill
4/28/08	11:54 am	231,518	34	PCS 34	86,620	37,820	48,800	24.40	Roosevelt Landfill
4/28/08	11:55 am	231,519	34	PCS 34	91,700	34,120	57,580	28.79	Roosevelt Landfill
6/11/08	8:06 am	241,463	34	PCS 34	102,600	39,580	63,020	31.51	Roosevelt Landfill
6/11/08	8:08 am	241,464	34	PCS 34	92,200	33,000	59,200	29.60	Roosevelt Landfill
6/11/08	8:10 am	241,465	34	PCS 34	102,880	34,000	68,880	34.44	Roosevelt Landfill
6/11/08	11:29 am	241,582	34	PCS 34	89,820	33,140	56,680	28.34	Roosevelt Landfill
6/11/08	11:30 am	241,584	34	PCS 34	93,360	33,800	59,560	29.78	Roosevelt Landfill
6/11/08	2:31 pm	241,669	34	PCS 34	98,640	38,000	60,640	30.32	Roosevelt Landfill
6/11/08	3:12 pm	241,696	34	PCS 34	84,980	32,800	52,180	26.09	Roosevelt Landfill
6/11/08	3:14 pm	241,704	34	PCS 34	95,400	34,060	61,340	30.67	Roosevelt Landfill
6/12/08	8:14 am	241,771	34	PCS 34	89,360	34,660	54,700	27.35	Roosevelt Landfill
6/12/08	9:41 am	241,819	34	PCS 34	97,760	34,020	63,740	31.87	Roosevelt Landfill
6/12/08	11:09 am	241,862	34	PCS 34	90,540	33,020	57,520	28.76	Roosevelt Landfill
6/12/08	2:11 pm	241,932	34	PCS 34	92,940	32,540	60,400	30.20	Roosevelt Landfill
6/13/08	8:23 am	242,068	34	PCS 34	92,800	33,180	59,620	29.81	Roosevelt Landfill
6/16/08	8:02 am	242,556	34	PCS 34	99,020	34,000	65,020	32.51	Roosevelt Landfill
6/16/08	8:02 am	242,557	34	PCS 34	94,360	33,280	61,080	30.54	Roosevelt Landfill
6/16/08	11:23 am	242,658	34	PCS 34	88,620	33,100	55,520	27.76	Roosevelt Landfill
6/16/08	11:33 am	242,665	34	PCS 34	90,860	33,780	57,080	28.54	Roosevelt Landfill
6/16/08	2:35 pm	242,740	34	PCS 34	89,540	32,860	56,680	28.34	Roosevelt Landfill
6/16/08	3:20 pm	242,764	34	PCS 34	101,260	33,940	67,320	33.66	Roosevelt Landfill

Activity By Job ID

Report period June 2008

Rabanco

Allied Waste Regional Landfill
500 Roosevelt Grade Road
Roosevelt, WA 99356-0338

6/16/08	3:22 pm	242,767	34	PCS 34	104,120	38,140	65,980	32.99	Roosevelt Landfill
6/16/08	5:38 pm	242,841	34	PCS 34	92,360	32,620	59,740	29.87	Roosevelt Landfill
6/17/08	8:02 am	242,842	34	PCS 34	95,340	33,860	61,480	30.74	Roosevelt Landfill
6/17/08	8:50 am	242,857	34	PCS 34	91,460	33,060	58,400	29.20	Roosevelt Landfill
6/17/08	11:36 am	242,934	34	PCS 34	97,080	33,820	63,260	31.63	Roosevelt Landfill
6/17/08	12:10 pm	242,948	34	PCS 34	90,940	32,340	58,600	29.30	Roosevelt Landfill
6/17/08	12:51 pm	242,968	34	PCS 34	101,860	38,120	63,740	31.87	Roosevelt Landfill
6/17/08	3:46 pm	243,038	34	PCS 34	93,980	33,860	60,120	30.06	Roosevelt Landfill
6/18/08	10:19 am	243,075	34	PCS 34	98,960	34,080	64,880	32.44	Roosevelt Landfill
6/18/08	11:09 am	243,098	34	PCS 34	96,180	32,760	63,420	31.71	Roosevelt Landfill
6/18/08	11:09 am	243,113	34	PCS 34	96,560	32,220	64,340	32.17	Roosevelt Landfill
6/18/08	12:15 pm	243,158	34	PCS 34	100,320	37,780	62,540	31.27	Roosevelt Landfill
6/18/08	2:24 pm	243,193	34	PCS 34	80,780	32,220	48,560	24.28	Roosevelt Landfill
6/18/08	5:02 pm	243,284	34	PCS 34	96,800	37,580	59,220	29.61	Roosevelt Landfill
6/19/08	8:11 am	243,325	34	PCS 34	94,620	33,900	60,720	30.36	Roosevelt Landfill
6/19/08	8:41 am	243,336	34	PCS 34	84,320	32,640	51,680	25.84	Roosevelt Landfill
6/19/08	11:24 am	243,426	34	PCS 34	92,360	34,300	58,060	29.03	Roosevelt Landfill
6/19/08	12:47 pm	243,471	34	PCS 34	94,100	38,140	55,960	27.98	Roosevelt Landfill
6/19/08	4:39 pm	243,595	34	PCS 34	100,240	37,780	62,460	31.23	Roosevelt Landfill
6/19/08	4:48 pm	243,596	34	PCS 34	96,700	34,040	62,660	31.33	Roosevelt Landfill
6/23/08	8:40 am	244,145	34	PCS 34	92,080	34,000	58,080	29.04	Roosevelt Landfill
6/23/08	10:16 am	244,188	34	PCS 34	89,020	32,620	56,400	28.20	Roosevelt Landfill
6/23/08	11:39 am	244,217	34	PCS 34	100,540	38,060	62,480	31.24	Roosevelt Landfill
6/23/08	1:42 pm	244,243	34	PCS 34	84,980	32,440	52,540	26.27	Roosevelt Landfill
6/23/08	2:29 pm	244,264	34	PCS 34	104,400	38,000	66,400	33.20	Roosevelt Landfill
6/23/08	4:07 pm	244,323	34	PCS 34	94,080	33,860	60,220	30.11	Roosevelt Landfill
6/24/08	8:43 am	244,410	34	PCS 34	95,240	33,800	61,440	30.72	Roosevelt Landfill
6/24/08	9:02 am	244,418	34	PCS 34	80,080	32,480	47,600	23.80	Roosevelt Landfill

Activity By Job ID

Report period June 2008

6/24/08 11:55 am 244,503	34	PCS 34	95,380	33,780	61,600	30.80	Roosevelt Landfill
6/24/08 12:06 pm 244,507	34	PCS 34	88,300	32,400	55,900	27.95	Roosevelt Landfill
6/24/08 12:44 pm 244,525	34	PCS 34	57,500	25,640	31,860	15.93	Roosevelt Landfill
Total For Job	07-1078		170 Loads		4650.60 TN		

divided by 1.4 T / CY = 3,322 CY

Rabanco

[redacted]

Total = 3,322 CY

Conrad Russell Excavation, LLC.

100513 W. Old Inland Empire Hwy. CONRARE945PP
Prosser WA. 99350
Office: (509) 973-1140
Cell: (509) 781-1209
Fax: (509 973-2600
E-mail cbrussell@embarqmail.com

Conrad Russell Excavation, LLC was contracted to haul 420 cubic yards (CY) of fill to Prosser Airport. After fulfilling the contract we hauled in approximately 9,045 CY of additional fill to complete the job. If you should have any more questions please feel free to contact me.

Total fill = 9,465 CY

Best regards,

Desiree D. Russell
Owner/Member
For: Conrad Russell Excavation, LLC.

ALBA'S EXCAVATING

P.O. Box 25
1440 Forsell Rd.
Grandview, WA 98930
Office: 509/882-2047 FAX: 509/882-5088

PAID

Invoice

DATE	INVOICE #
4/13/2007	17155

BILL TO
Port of Benton 3100 George Washington Way Richland, Wa. 99354

NAME/LOCATION
Prosser Airport Prosser, Wa. 99350

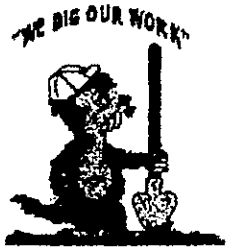
P.O. NO.	TERMS	DUE DATE
	Due on receipt	4/13/2007

ITEM	QUANTITY	DESCRIPTION	RATE	AMOUNT
		3/28/07 Haul to Rubanco		
74 Kenworth ...	2	74 KW w/ End Dump per hour	100.00	200.00T
88 & Pup	2	88 Pete & Pup trlr Per Hour	100.00	200.00T
		3/29/07 Dig out soil & haul to Rubanco		
Excavator 16...	7	Hourly Rate	120.00	840.00T
87 Gmc	4	87 Dump Truck per hour	85.00	340.00T
544 JD loader	3	544 JD Loader Hourly Rate	110.00	330.00T
88 & Pup	8	88 Pete & Pup trlr Per Hour	100.00	800.00T
74 Kenworth ...	8	74 KW w/ End Dump per hour	100.00	800.00T
Labor Reg	2	Per man hour	40.00	80.00T
		3/30/07		
74 Kenworth ...	10.25	74 KW w/ End Dump per hour	100.00	1,025.00T
88 & Pup	10.25	88 Pete & Pup trlr Per Hour	100.00	1,025.00T
Excavator 16...	2	Hourly Rate	120.00	240.00T
87 Gmc	2	87 Dump Truck per hour	85.00	170.00T
Labor Reg	7	Per man hour	40.00	280.00T
		4/2/07		
88 & Pup	9	88 Pete & Pup trlr Per Hour	100.00	900.00T
74 Kenworth ...	9	74 KW w/ End Dump per hour	100.00	900.00T
Screenings	108	Screenings per yard at pit	7.00	756.00T
		4/3/07		
Excavator 16...	1	Hourly Rate	120.00	120.00T
544 JD loader	3.5	544 JD Loader Hourly Rate	110.00	385.00T
87 Gmc	0.5	87 Dump Truck per hour	85.00	42.50T
74 Kenworth ...	12	74 KW w/ End Dump per hour	100.00	1,200.00T

Please Remit to P.O. Box 25 Grandview, Wa. 98930 Page 1

Total

Total = 108 cubic yards (CY)



ALBA'S EXCAVATING

P.O. Box 25
1440 Forsell Rd.
Grandview, WA 98930
Office: 509/882-2047 FAX: 509/882-5088

PAID

Invoice

DATE	INVOICE #
4/13/2007	17155

BILL TO	NAME/LOCATION
Port of Benton 3100 George Washington Way Richland, Wa. 99354	Prosser Airport Prosser, Wa. 99350

P.O. NO.	TERMS	DUE DATE
	Due on receipt	4/13/2007

ITEM	QUANTITY	DESCRIPTION	RATE	AMOUNT
88 & Pup	8	88 Pete & Pup trlr Per Hour	100.00	800.00T
Labor Reg	4	Per man hour	40.00	160.00T
Screenings	88	Screenings per yard at pit 4/4/07	7.00	616.00T
74 Kenworth ...	8.75	74 KW w/ End Dump per hour	100.00	875.00T
88 & Pup	8.25	88 Pete & Pup trlr Per Hour	100.00	825.00T
Screenings	72	Screenings per yard at pit 4/5/07	7.00	504.00T
74 Kenworth ...	3.5	74 KW w/ End Dump per hour 4/6/07	100.00	350.00T
544 JD loader	8	544 JD Loader Hourly Rate	110.00	880.00T
95 WaterTruck	6	95 International Watertruck 3750 gal. per hr	100.00	600.00T
87 Gmc	3.5	87 Dump Truck per hour	85.00	297.50T
88 & Pup	5	88 Pete & Pup trlr Per Hour	100.00	500.00T
88 Pete	3	88 Pete Dump Truck Per Hour	85.00	255.00T
Labor Reg	6.5	Per man hour	40.00	260.00T
Screenings	232	Screenings per yard at pit	7.00	1,624.00T
Water Charge	1	Water Charge Per Load 4/9/07 Secure Plastic on piles.	15.00	15.00T
Labor Reg	2	Per man hour 4/10/07 Backfill hole and compact. Haul screenings.	40.00	80.00T
88 Pete	7.5	88 Pete Dump Truck Per Hour	85.00	637.50T

Please Remit to P.O. Box 25 Grandview, Wa. 98930 Page 2

Total

Total = 392 CY

ALBA'S EXCAVATING

P.O. Box 25
1440 Forsell Rd.
Grandview, WA 98930
Office 509/882-2047 FAX [illegible]-5088

PAID

Invoice

DATE	INVOICE #
4/13/2007	17155

BILL TO
Port of Benton 3100 George Washington Way Richland, Wa. 99354

NAME/LOCATION
Prosser Airport Prosser, Wa. 99350

P.O. NO.	TERMS	DUE DATE
	Due on receipt	4/13/2007

ITEM	QUANTITY	DESCRIPTION	RATE	AMOUNT
95 WaterTruck	7	95 International Watertruck 3750 gal. per hr	100.00	700.00T
644 JD Loader	9	644 JD Loader per hr.	115.00	1,035.00T
74 Kenworth ...	5.5	74 KW w/ End Dump per hour	100.00	550.00T
Labor Reg	2.25	Per man hour	40.00	90.00T
Screenings	324	Screenings per yard at pit	7.00	2,268.00T
		4/11/07 Finish Backfilling and compacting clean hole. Load concrete and put up fence, water.		
Excavator 16...	0.5	Hourly Rate	120.00	60.00T
644 JD Loader	5	644 JD Loader per hr	115.00	575.00T
95 WaterTruck	2	95 International Watertruck 3750 gal. per hr	100.00	200.00T
87 Gmc	1.5	87 Dump Truck per hour	85.00	127.50T
74 Kenworth ...	2	74 KW w/ End Dump per hour	100.00	200.00T
88 Pete	2.75	88 Pete Dump Truck Per Hour	85.00	233.75T
Labor Reg	7	Per man hour	40.00	280.00T
Water Charge	0.5	Water Charge Per Load	15.00	7.50T
Screenings	76	Screenings per yard at pit	7.00	532.00T
Incoming co...	4	Incoming concrete per yard	6.00	24.00
Saw Cut	1	3/30/07 Saw cut concrete apron.	295.00	295.00T
		Sales Tax	8.30%	2,246.50

Please Remit to P.O. Box 25 Grandview, Wa. 98930 Page 3

Total $29,336.75

Total = 400 CY

APPENDIX F

ANALYTICAL DATA SUMMARY SPREADSHEETS
DATA CD
(ANALYTICAL RESULTS + SOIL RECEIPTS)

Port of Benton Prosser Airport

Surface SOIL Sampling Results - May and August 2006

Soil analyses for Organochlorine Pesticides - all units in ppm																
Sample ID	Date Sampled	Heptachlor	delta BHC	Heptachlor epoxide	Endosulfan I	Endosulfan II	Endosulfan Sulfate	gamma chlordane	alpha chlordane	4,4'-DDE	4,4'-DDT	4,4'-DDD	Dieldrin	Endrine aldehyde	Endrine ketone	Methoxychlor
SS-1	5/2/2006	0.03	0.03	ND	0.23	0.24	0.02	0.05	0.04	2.0	7.5	0.59	0.028	ND	0.05	0.41
SS-2	5/2/2006	ND	ND	0.08	0.77	0.46	0.03	0.07	0.07	1.6	4.8	0.23	0.025	ND	ND	0.12
SS-3	5/2/2006	0.05	ND	ND	0.94	0.74	0.04	0.02	ND	0.69	1.6	0.13	0.022	ND	ND	1.10
SS-4	5/2/2006	0.03	ND	0.57	0.22	1.2	0.25	0.12	0.12	5.6	27	1.5	0.110	0.13	0.07	0.10
SS-5	5/2/2006	0.02	ND	ND	0.15	0.17	0.07	0.1	0.09	3.4	12	0.53	0.021	ND	0.05	0.47
SS-6	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	0.16	0.35	ND	ND	ND	ND	ND
SS-7	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	0.13	0.22	0.02	ND	ND	ND	ND
SS-8	8/23/2006	ND	ND	ND	ND	0.01	ND	ND	ND	0.12	0.21	0.02	ND	ND	ND	0.02
SS-9	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	0.11	0.45	0.03	ND	ND	ND	ND
SS-10	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	1.1	3.3	0.2	ND	ND	ND	ND
SS-11	8/23/2006	ND	ND	ND	ND	0.26	ND	ND	ND	1.6	210	51	ND	ND	ND	ND
SS-12	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	0.19	0.47	0.02	ND	ND	ND	ND
SS-13	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	0.35	1.3	ND	ND	ND	ND	ND
SS-14	8/23/2006	ND	ND	ND	ND	ND	ND	0.03	0.03	0.072	0.15	0.01	ND	ND	ND	ND
SS-15	8/23/2006	ND	ND	0.03	ND	ND	ND	0.39	0.45	0.18	0.35	0.04	ND	ND	ND	0.01
MTCA Cleanup Level (ppm)		0.22	no data	0.11	480			2.9		2.9		4.2	0.063	24		400

NOTES

SS = surface samples collected from upper 4-6 inches of the stained ground surface

ND = not detected

Value in blue type = below MTCA Cleanup Level for particular COC

Value in red type = exceeds MTCA Cleanup Level for particular COC

SS-1 through SS-5 analyzed for Organophosphorus Pesticides but were ND, so results not listed

Soil analyses for Chlorinated Acid Herbicides - all units in ppm											
Sample ID	Date Sampled	Dalapon	Dicamba	MCPP	MCPA	Dichlorprop	2,4-D	2,4,5-TP (Silvex)	2,4,5-T	2,4-DB	Dinoseb
SS-12	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	38
SS-13	8/23/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4
SS-16	8/23/2006	ND	ND	ND	ND	0.11	0.14	ND	ND	ND	ND
MTCA Cleanup Level (ppm)		2400	2400	80	40	no data	800	640	800	640	80

NOTE

SS = surface samples collected from upper 4-6 inches of the stained ground surface

ND = not detected

Value in blue type = below MTCA Cleanup Level for particular COC

Port of Benton Prosser Airport

Gridded **SOIL** Sampling Results - Feb 4-5, 2008

Soil analyses for Organochlorine Pesticides - all units in ppm														
Sample ID	Date	gamma chlordane	alpha chlordane	4,4-DDE	4,4-DDT	4,4-DDD	Endosulfan Sulfate	Endosulfan II	Dieldrin	Endrin	Endrin Aldehyde	Endrin Ketone	Methoxy chlor	Penta chlorophenol
GS-1	02/05/08	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-2	02/05/08	ND	ND	0.03	0.012	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-6	02/05/08	ND	ND	0.07	0.026	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-16	02/05/08	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-17	02/05/08	ND	ND	2.00	**7.1**	0.13	ND	ND	ND	ND	ND	ND	0.074	ND
GS-18	02/05/08	ND	ND	ND	**3.4**	ND	ND	ND	0.03	0.08	0.05	ND	ND	ND
GS-20	02/05/08	ND	ND	0.10	0.42	ND	ND	22	0.02	0.02	ND	ND	ND	ND
GS-21	02/05/08	ND	ND	0.10	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-23	02/05/08	ND	ND	0.03	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-25	02/05/08	ND	ND	0.09	0.03	0.02	ND	ND	ND	ND	ND	ND	ND	ND
GS-26	02/05/08	ND	ND	0.65	2.40	0.06	ND	0.02	ND	ND	ND	ND	ND	ND
GS-28	02/04/08	ND	ND	0.03	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-29	02/04/08	ND	ND	0.09	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-41	02/04/08	ND	ND	0.08	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-43	02/05/08	ND	ND	0.02	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-53	02/05/08	ND	ND	0.03	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-56	02/05/08	0.02	ND	0.09	0.23	0.02	0.08	ND	ND	ND	ND	0.02	0.2	0.04
GS-57	02/05/08	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
GS-58	02/05/08	ND	ND	0.02	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-59	02/05/08	0.02	0.02	0.09	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND
GS-61	02/05/08	ND	ND	0.15	1.40	0.02	ND	ND	ND	ND	ND	ND	ND	ND
GS-62	02/05/08	ND	ND	0.02	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Shed 1	02/05/08	ND	ND	0.04	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Shed 2	02/05/08	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Shed 4	02/05/08	ND	ND	0.07	0.21	ND	ND	ND	ND	ND	ND	ND	ND	1.10
Shed 5	02/05/08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
MTCA Cleanup Level (ppm)		2.9		2.9		4.2	480		0.063	24			400	8.3

NOTES

GS = gridded samples collected from upper 6-8 inches of the ground surface

Shed = samples collected from upper 4 inches of ground beneath the concrete slab

ND = not detected

Value in blue type = below MTCA Cleanup Level for particular COC

Value in red type = exceeds MTCA Cleanup Level for particular COC

Shed 5 sample and several GS samples between 1-62 were ND for all COCs, so **results not listed**

Except for Pentachlorophenol, all samples analyzed for Chlorinated Acid Herbicides were ND, so **results not listed**

Port of Benton Prosser Airport

GROUNDWATER and SOIL Sampling Results - March 2007 through April 2009

Groundwater analyses for NWTPH-Gx / BTEX + Organochlorine Pesticides + Chlorinated Acid Herbicides + As / Pb - all units in ppb

Sample ID	Date	Benzene (ug/l)	Toluene (ug/l)	Ethyl benzene (ug/l)	Total xylenes (ug/l)	TPH-G (ug/l)	gamma BHC (ug/l)	beta BHC (ug/l)	Delta BHC (ug/l)	Hepta chlor (ug/l)	gamma chlordane (ug/l)	Chlordane (ug/l)[4]	4,4-DDE (ug/l)	4,4-DDT (ug/l)	4,4-DDD (ug/l)	2,4-D (ug/l)	Penta chloro phenol (ug/l)	2,4,5-TP (Silvex) (ug/l)	Endo sulfan I (ug/l)	Endo sulfan II (ug/l)	Endo sulfan Sulfate (ug/l)	Dieldrin (ug/l)	Delapon (ug/l)	Endrin (ug/l)	Endrin ketone (ug/l)	Methoxy chlor (ug/l)	2,4-DB (ug/l)	Dinoseb (ug/l)	Endrin aldehyde (ug/l)	MCPP: 2-methyl-4-chloro phenoxy propionic acid (ug/l)[2]	MCPA: 2-methyl-4-chloro phenoxy acetic acid (ug/l)[3]	Lead (ug/l)	Arsenic (ug/l)
MW-1	6/1/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044	ND	ND	ND	ND	7.0
	12/11/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.047	ND	ND	ND	ND	[illegible]
	4/14-15/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]
	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4
MW-2	6/1/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	ND	ND	ND	ND	9.8
	12/11/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	[illegible]
	4/14-15/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22	ND	ND	ND	ND	[illegible]
	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.0
MW-3	6/1/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	ND	0.0048[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	9.7
	12/11/2007	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	24	ND	ND	[illegible]
	4/14-15/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	0.05	ND	ND	ND	ND	ND	ND	0.018	ND	ND	0.10	ND	0.12	ND	0.30	ND	ND	ND	[illegible]
	4/21/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	[illegible]	0.0027	ND	0.21	0.19	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.9	53.0
MW-4	6/1/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND	ND[1]	ND	ND	ND	ND	ND	ND	ND	ND	0.037	ND	ND	220	ND	ND	5.0
	12/11/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND[1]	ND	ND	ND	39	ND	ND	ND	ND	ND	0.10	ND	ND	8.8	ND	[illegible]
	4/14-15/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	0.11	ND	ND	0.013	ND	ND	0.01	1.5	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	[illegible]	[illegible]
	4/22/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	0.15	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND	14.0
MW-5	4/22/2009	1.9	ND	12	15.5	2000	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	0.02	0.0174	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.0	22.0
MW-6	4/22/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND	ND	2.0	20.0
MW-7	4/22/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	0.013	0.02	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.07	0.03	ND	ND	ND	ND	ND	ND	ND	9.4
Site Well	4/14-15/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[illegible]	[illegible]
PW-1	2/29/2008	4.10	ND	ND	ND	ND	ND	0.026	ND	ND	ND	[illegible]	0.028	0.17	0.02	0.150	ND	0.03	0.019	0.02	ND	ND	0.006	ND	ND	ND	0.20	0.19	0.12	0.50	11.0	[illegible]	[illegible]
SP-1	4/10/2007	45	18	15	65	1100	0.020	0.014	0.023	0.034	ND	ND	0.008	0.32	0.120	ND	1.70	ND	0.210	0.14	0.015	ND	0.043	ND	ND	ND	ND	310	ND	ND	ND	[illegible]	[illegible]
MTCA Cleanup Level (ppb)		5	1000	700	1000	800	0.057	0.042	no data	0.019	0.25	7.17	0.257	0.3	0.36	15	0.73	128	96	no data	no data	480	0.0052	4.6	4.8	80	128	16	no data	10	5	15	5

NOTES

1 = detection limit is 0.0048

2 = aka Mecoprop (used in Weed & Feed)

3 = MCPA is used as a post-emergence herbicide to control broadleaf weeds

4 = The analysis for Halogenated Volatiles was initially run for the first sampling event and then dropped, as per Ecology approval

n/a = not analyzed

ND = not detected

Value in blue type = below MTCA Cleanup Level for particular COC

Value in red type = exceeds MTCA Cleanup Level for particular COC

SP-1 = sample taken from standpipe in petroleum contamment excavation (Tank Pit) shown in Excavations Map

PW-1 = sample taken from center of largest 2008 excavation shown in Excavations Map

Soil analyses for NWTPH-HCID + Organochlorine Pesticides + Chlorinated Acid Herbicides + Disulfoton + As / Pb - all units in ppm

Sample ID	Date	Sample Depth (ft)	Benzene (ppm)	Toluene (ppm)	Ethyl benzene (ppm)	Total xylenes (ppm)	TPH-G (ppm)	TPH-Dx Lube Oil (ppm)	TPH-Dx Diesel (ppm)	Hepta chlor epoxide (ppm)	4,4-DDD (ppm)	4,4-DDE (ppm)	4,4-DDT (ppm)	Penta chloro phenol (ppm)	Dinoseb (ppm)	MCPP[2]	Di-sulfoton (ppm)	Lead (ppm)	Arsenic (ppm)
T-1	3/28/2007	5	3.1	ND	0.52	4.87	150	ND	ND	ND	0.013	ND	ND	ND	ND	ND	n/a	14	ND
C-4	3/28/2007	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.028	0.06	ND	ND	ND	n/a	n/a	n/a
C-6	4/2/2007	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	n/a	n/a	n/a
ES-8	3/23/2007	3	57	6.5	11	218	2700	200	500	ND	5.1	ND	ND	ND	ND	ND	0.15	n/a	n/a
PEx-1	2/29/2008	2	18	ND	3.4	11.9	390	ND	ND	ND	n/a	ND	ND	ND	ND	ND	n/a	n/a	n/a
PEx-2,3	2/29/2008	3	130	73	13	139	2100	ND	ND	ND	n/a	ND	ND	ND	ND	ND	n/a	n/a	n/a
PEx-3 west	3/17/2008	4	53	ND	ND	19	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND	n/a	n/a	n/a
D-1	3/20/2007	2	ND	ND	ND	ND	ND	ND	ND	ND	0.016	ND	ND	ND	0.904	230	ND	n/a	n/a
DP-base	3/13/2008	6	0.1	ND	ND	2.1	320	ND	ND	ND	ND	ND	ND	ND	0.003	ND	0.6	n/a	n/a
DP-walls	3/13/2008	4.5	n/a	n/a	n/a	n/a	n/a	ND	ND	ND	ND	ND	ND	ND	0.058	ND	n/a	n/a	n/a
MTCA Cleanup Level (ppm)			0.03	7	6	9	100	2,000	2,000	0.11	4.2	2.9		8.3	80	80	0.2	250	20

NOTES

n/a = not analyzed

ND = not detected

Value in blue type = below MTCA Cleanup Level for particular COC

Value in red type = exceeds MTCA Cleanup Level for particular COC

T-1 = taken from Tank Pit

C-4 and C-6 = held screened confirmatory samples regarding DDT. Samples C-1, C-2, C-3, C-5 and C-7 were ND for all COCs, so results not listed

ES-8 = taken from larger DDT excavation shown in Excavations Map

PEx = three samples taken from Tank Pit

D-1 = single sample taken from center of original Dinoseb excavation shown in Excavations Map

DP = two bottom and four sidewall samples from larger Dinoseb Pit (only worst-case analyses shown for each type)

Port of Benton Prosser Airport

CURRENT GROUNDWATER Sampling Results - June 2007 through January 2010

Groundwater analyses for NWTPH-Gx / BTEX + Organochlorine Pesticides + Chlorinated Acid Herbicides + As / Pb - all units in ppb

Sample ID	Date	Benzene (ug/L)	Ethyl benzene (ug/L)	Total xylenes (ug/L)	TPH-G (ug/L)	gamma chlordane (ug/L)	Chloro form (ug/L)[1]	4,4'-DDE (ug/L)	4,4'-DDT (ug/L)	4,4'-DDD (ug/L)	2,4-D (ug/L)	Penta chloro phenol (ug/L)	2,4,5-TP (Silvex) (ug/L)	Endo sulfan I (ug/L)	Endo sulfan Sulfate (ug/L)	Dicamba (ug/L)	Dieldrin (ug/L)	Endrin (ug/L)	Endrin aldehyde (ug/L)	Endrin ketone (ug/L)	Methoxy chlor (ug/L)	2,4-DB (ug/L)	Dinoseb (ug/L)	Dichlorprop (ug/L)	MCPP- 2-methyl-4-chlorophenoxy 2 propionic acid (ug/L)[2]	MCPA- 2-methyl-4-chlorophenoxya cetic acid (ug/L)[3]	Lead (ug/L)	Arsenic (ug/L)	Date	Sample ID
MW-1	6/1/2007	ND	ND	ND	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.045	ND	ND	ND	ND	7.6	6/1/2007	MW-1
	12/11/2007	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.047	ND	ND	ND	ND	ND	ND	12/11/2007	
	4/14/2008	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	4/14/2008	
	4/21/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	4/21/2009	
	7/22/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	7/22/2009	
	10/23/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.3	10/23/2009	
	1/26/2010	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	1/26/2010	
MW-2	6/1/2007	ND	ND	ND	ND	ND	0.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24	ND	ND	ND	ND	6.8	6/1/2007	MW-2
	12/11/2007	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	NA	12/11/2007	
	4/14/2008	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND	ND	NA	4/14/2008	
	4/21/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.0	4/21/2009	
	7/22/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.0	7/22/2009	
	10/23/2009	ND	ND	ND	ND	ND		ND	ND	ND	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.0	10/23/2009	
	1/26/2010	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	1/26/2010	
MW-3	6/1/2007	ND	ND	ND	ND	ND	0.34	ND	0.0048[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	3.7	6/1/2007	MW-3
	12/11/2007	1.6	ND	ND	ND	ND		ND	ND[1]	ND	ND	ND	ND	ND	ND	0.67	ND	ND	ND	ND	ND	ND	0.10	ND	24.0	ND	ND	NA	12/11/2007	
	4/14/2008	ND	ND	ND	ND	ND		ND	ND	ND	0.05	ND	ND	ND	0.018	ND	ND	0.12	ND	ND	0.12	ND	0.35	ND	ND	ND	ND	NA	4/14/2008	
	4/21/2009	ND	ND	ND	ND	0.013		0.017	ND	0.01	0.19	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.0	63.0	4/21/2009	
	7/22/2009	ND	ND	ND	ND	ND		0.018	ND	0.01	ND	0.10	ND	ND	0.031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	53.0	7/22/2009	
	10/23/2009	ND	ND	ND	ND	ND		0.056	ND	ND	0.18	0.027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.0	ND	1.7	56.0	10/23/2009	
	1/26/2010	ND	ND	ND	ND	ND		0.009	ND	ND	ND	ND	0.70	ND	ND	ND	ND	ND	ND	ND	ND	0.210	ND	1.60	95.0	ND	2.8	43.0	1/26/2010	
MW-4	6/1/2007	ND	ND	ND	ND	ND	0.52	ND	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND	ND	ND	220	ND	ND	ND	ND	5.6	6/1/2007	MW-4
	12/11/2007	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND[1]	ND	39	ND	ND	ND	ND	ND	ND	0.52	ND	ND	ND	ND	NA	12/11/2007	
	4/14/2008	ND	ND	ND	ND	ND		ND	ND	ND	0.11	ND	ND	0.013	0.01	1.9	ND	ND	ND	ND	ND	ND	0.12	ND	ND	ND	ND	NA	4/14/2008	
	4/21/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	0.06	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	1.5	14.0	4/21/2009	
	7/22/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.0	7/22/2009	
	10/23/2009	ND	ND	ND	ND	ND		ND	ND	ND	0.13	0.021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.0	ND	3.5	11.0	10/23/2009	
	1/26/2010	NOT SAMPLED DUE TO INADEQUATE GROUNDWATER RECOVERY																											1/26/2010	
MW-5	4/21/2009	3.9	12	15.8	2000	ND		ND	ND	ND	0.07	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	27.0	4/21/2009	MW-5
	7/22/2009	5.3	11.0	11.0	2900	ND		ND	ND	ND	ND	0.24	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	25.0	7/22/2009	
	10/23/2009	3.10	8.70	9.10	1500	ND		ND	ND	ND	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04	ND	0.02	ND	ND	ND	ND	5.0	14.0	10/23/2009	
	1/26/2010	11.0	22.0	31.0	5080	ND		ND	ND	ND	0.04	ND	0.23	ND	ND	ND	ND	ND	ND	ND	0.04	ND	0.02	0.47	ND	ND	5.7	15.0	1/26/2010	
MW-6	4/21/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	20.0	4/21/2009	MW-6
	7/22/2009	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.0	7/22/2009	
	10/23/2009	ND	ND	ND	ND	ND		ND	ND	ND	0.04	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.0	10/23/2009	
	1/26/2010	NOT SAMPLED DUE TO INADEQUATE GROUNDWATER RECOVERY																											1/26/2010	
MW-7	4/21/2009	ND	ND	ND	ND	ND		0.013	0.02	0.02	ND	ND	ND	ND	ND	ND	0.0053	0.07	ND	0.03	ND	ND	ND	ND	ND	ND	ND	ND	9.7	4/21/2009	MW-7
	7/22/2009	ND	ND	ND	ND	ND		0.02	0.01	0.01	ND	0.04	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.0	7/22/2009	
	10/23/2009	ND	ND	ND	ND	ND		0.01	ND	ND	ND	0.071	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	69.0	10/23/2009	
	1/26/2010	ND	ND	ND	ND	ND		0.01	ND	ND	ND	0.071	0.23	ND	ND	ND	ND	0.05	ND	0.05	ND	ND	ND	0.50	ND	ND	ND	ND	21.0	1/26/2010	
MTCA Cleanup Level (ppb)		5	700	1000	800 - 1000	0.25	7.17	0.257	0.30	0.36	15	0.73	128	90	no data	480	0.0055	4.8	no data	4.8	80	128	15	no data	16.0	6	15	5 - 10	MTCA Cleanup Level	

NOTES

1 = detection limit is 0.0048

2 = aka Mecoprop (used in Weed & Feed)

3 = MCPA is used as a post-emergence herbicide to control broadleaf weeds

4 = The analysis for Halogenated Volatiles was initially run for the first sampling event then dropped, as per Ecology approval

NA = not analyzed

ND = not detected

Value in blue type = below MTCA Cleanup Level for particular COC

Value in red type = exceeds MTCA Cleanup Level for particular COC

TPH -G (ug/L) = MTCA cleanup level is 800 ug/L and 1,000 ug/L when Benzene IS detected and IS NOT detected in the groundwater, respectively

β, λ, δ - BHC (ug/L) are ND from 6/1/2007 --> 1/26/2010, so results not listed

Toluene (ug/L) is ND from 6/1/2007 --> 1/26/2010, so results not listed

Endosulfan II (ug/L) is ND from 6/1/2007 --> 1/26/2010, so results not listed