LIMITED REMEDIAL ACTION REPORT
FORMER GODFATHERS BUILDING

At the Westpark Shopping Center
4001 West Summitview Avenue
Yakima, Washington

Project Start July 22, 2005
Project Completion November 1, 2005

Project Number 05-942

Prepared for: West Park Properties, LLC
c/o Jay and Jean Sentz
118 Gilbert Drive
Yakima, Washington 98902

Prepared by: Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901-2361
(509) 574-0839

Authored by: _____

Ryan K. Mathews, CMC, Project Manager
Fulcrum Environmental Consulting, Inc.

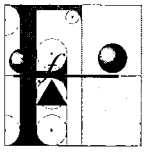
Reviewed by: _____

Peggy Williamson, CHMM, Principal
Fulcrum Environmental Consulting, Inc.

TABLE OF CONTENTS

TABLES

FIGURES & APPENDICES



EXECUTIVE SUMMARY

In Fall 2005, Fulcrum Environmental Consulting, Inc. (Fulcrum) assisted Westpark Properties, LLC with remedial investigation and mitigation efforts of tetrachloroethylene (PCE) contaminated soils identified at the former Godfathers building site located at the Westpark Shopping Center site in Yakima, Washington.

Historical research previously completed by Environmental Associates, Inc. during completion of a Phase I Environmental Site Assessments indicated that the only known source of PCE is a dry cleaners building located west and immediately adjacent to the former Godfathers building.

Site Investigation

Fulcrum was retained to assist in limited site investigation, characterization, and mitigation efforts at the Westpark Shopping Center site to facilitate investigation and potential resolution of concerns identified by Environmental Associates as a portion of site redevelopment. Initial investigation identified contamination associated with the dry cleaners site.

Following demolition of the Godfathers building, Fulcrum assisted with site investigation, characterization, and mitigation efforts within the future new building foundation. The Godfathers portion of the site is located west and immediately adjacent to the dry cleaners.

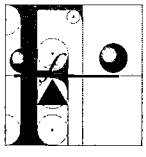
Mitigation Activities

Beginning on September 26, 2005, Fulcrum and Ken Leingang Excavating, Inc. (Leingang) began the process of segregating clean overburden and excavating contaminated soils from below the former Godfathers building. Site remedial activities continued until final removal of stockpiled contaminated soils on October 14, 2005. Contaminated soils were transported for disposal at Rabanco's Roosevelt Regional Landfill near Goldendale, Washington for direct disposal.

No groundwater was encountered during site excavation activities. Review of publicly available groundwater well information suggests that the first groundwater resources are located about 60-ft bgs.

Conclusions

The PCE contamination appears to have been the result of historic activities associated with a dry cleaners operation located in westerly adjacent building. Following identification of contamination and subsequent to selective demolition, Fulcrum oversaw the excavation of soils from beneath the building located east of the dry cleaners. Excavation activities continued to a depth ranging from 9-ft to 14.5-ft below ground surface. Laboratory analysis documented completion of remedial activities at the lower vertical extent in the excavation and both the vertical and horizontal extent along the south sidewall of the excavation. A localized area of PCE contaminated soil, below the adjacent east building could not be excavated without undermining the building and is likely de minimis in nature. Otherwise the east extent of the excavation did not have PCE concentrations above applicable MTCA cleanup levels (CUL).



PCE contaminated soils remain on the north and west boundaries of the former Godfathers building and new replacement building footprint, including beneath the westerly adjacent dry cleaners building. Due to site buildings and utilty features additional excavation to the north and west could not be completed. To provide a physical and vapor barrier and preferential pathway for PCE vapor, a 24-mil HDPE liner and perforated piping system were installed along the west and north boundary of the new replacement building. The HDPE liner was installed to prevent the contamination of imported fill soils within the new building footprint and to eliminate the potential for vapor intrusion into the new building from the area of impacted soil to the north and west.

All remaining areas of known PCE contaminated soils are either located beneath existing buildings or cannot be excavated due to the presence of other site features. This investigation was successful in providing a new building footprint free of PCE contaminated soils above applicable MTCA CUL and incorporated the use of HDPE and a passive vapor mitigation system to prevent the contamination of clean imported soils and vapor intrusion into the newly completed building.

1.0 INTRODUCTION

Fulcrum Environmental Consulting, Inc. (Fulcrum) was retained by West Park Properties, LLC to assist with investigation and subsequent remediation of soil contaminated with tetrachloroethylene (PCE) to a portion of the Westpark Shopping Center site. The Westpark Shopping Center is located at 4001 West Summitview Avenue in Yakima, Washington.

Historical research indicates that a dry cleaner has operated at the shopping center since about the 1960s. Dry cleaners operation during the 1960s commonly used PCE, also commonly known as perchloroethane. Purpose of the initial investigation was to assess the potential for PCE contamination in site soils below and around the dry cleaner as a result of current or historic activities. Following confirmation of PCE presence, additional investigation was completed immediately east of the dry cleaners in site soils below the former Godfathers building following building demolition.

Laboratory analysis confirmed the presence of PCE contaminated soils in the former Godfathers building footprint. Subsequently, Fulcrum completed a remedial action to excavate all site soils with PCE contamination above applicable Washington Administrative Code 173-340, the Model Toxic Control Act (MTCA) established cleanup levels (CUL) such that a new building could be built on soil free of PCE contamination. As such the site remediation actions in this report only apply to the site services completed within the former Godfathers building area and the slightly expanded building footprint for the newly constructed site building.

1.1 Background

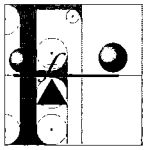
In May 2005, Environmental Associates completed a *Phase I Environmental Site Assessment of the Westpark Shopping Center* site. Environmental Associates had been retained to assist in site financing by Symetra Life Insurance Company (Symetra). During completion of the ESA, three recognized environmental conditions were identified: a historic location of a gasoline station, a long-term operation of a dry cleaner, and the presence of five underground storage tanks.

Subsequent to activities by Environmental Associates, Fulcrum was retained to complete investigation of the dry cleaning operation. Separately PLSA Engineering and Surveying was retained to complete investigation of the underground storage tanks and the historic gasoline station.

2.0 SCOPE OF WORK

Fulcrum was retained by West Park Properties, LLC to complete initial investigation and subsequently contractor oversight services during excavation of PCE contaminated soils attributed to a dry cleaner located on a portion of the Westpark Shopping Center. Project services included:

- Complete a preliminary investigation of site soils associated with the dry cleaners for the presence of PCE in site soils.
- Prepare a site specific Safety and Health Plan
- Direct and oversee excavation of PCE contaminated soil
- Collect soil samples as necessary and submit to an accredited laboratory for analysis
- Coordinate onsite mobile laboratory during portions of remedial investigation to complete real-time analysis of collected soil samples



- Complete waste characterization documentation for disposal of PCE contaminated soil at a permitted facility

Site activities were completed by Ryan Mathews, Peggy Williamson, Travis Trent, and Brianne Harcourt with Fulcrum. See Appendix A for professional certifications. Fulcrum's services were limited area described in this report and should not be construed to address other portions of the site or other potential environmental concerns that may be present.

All laboratory analysis was completed by Libby Environmental, Inc. (Libby) an accredited laboratory in Lacey, Washington. Portions of the laboratory analysis were completed by Libby at their laboratory while other portions were completed with a mobile laboratory on the project site.

Ken Leingang Excavating, Inc. (Leingang) was retained separately by West Park Properties, LLC to complete other portion of the site redevelopment activities and upon confirmation of PCE contaminated soils completed site excavation and site restoration activities. West Park Properties, LLC also retained the onsite mobile laboratory services and provided disposal of all PCE contaminated soils addressed during the course of this project.

3.0 ENVIRONMENTAL SETTING

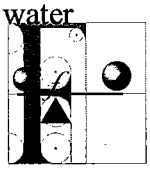
3.1 Regional Setting

From a regional setting, the subject site is located within the Yakima Folds Geomorphic Province on the western margin of the Columbia River Plateau. The Columbia River Basalt Group is comprised of a number of geologic formations. The three youngest formations of the Columbia River Basalt Group are present in the Yakima region. These basalt formations, as well as the interbedded and overlying sedimentary lithologies of the Ellensburg Formation comprise the near surface stratigraphy of the Yakima Region. Quaternary alluvial sediments and landslide deposits are present in the valley environments. Anticlinal ridge and synclinal valley structures of the Yakima Fold Belt dominate the topography.

According to Biggane (1982), two regional aquifers are known to be present in the Yakima Area. The two regional aquifers are loosely characterized as the sedimentary aquifer and the basalt aquifer. Both regional aquifers consist of a large number of water bearing subunits. The sedimentary aquifer typically overlies the basalt aquifer except in regions where the basalt aquifer is exposed at the land surface. Water bearing subunits of the regional aquifers are hydraulically connected.

The sedimentary aquifer is composed of Upper Ellensburg and Quaternary sedimentary units. Water-bearing units of the sedimentary aquifer vary lithologically, typically are not laterally extensive, and demonstrate heterogeneous and anisotropic water transmission properties. Groundwater occurs in perched, unconfined, and confined conditions. Recharge to the sedimentary aquifer occurs through infiltration from precipitation and irrigation and from influent portions of irrigation canals, local streams, and rivers. Recharge also occurs via flow from the underlying basalt aquifer. The sedimentary aquifer discharges to effluent reaches of local streams and rivers as well as to the underlying basalt aquifer.

The basalt aquifer is composed of basalt flows and sedimentary interbeds. Sedimentary units typically are not laterally extensive and demonstrate heterogeneous and anisotropic water



transmission properties. Sedimentary interbeds act as regional aquitards in some areas although the extent of the interbedded members is unknown. Recharge to the basalt aquifer occurs via infiltration from precipitation and irrigation where the basalt aquifer is exposed at land surface. Recharge also occurs via flow from the overlying sedimentary aquifer. The basalt aquifer discharges to effluent reaches of local streams and rivers as well as to the overlying sedimentary aquifer.

3.2 Local Setting

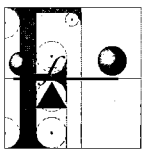
Elevation of the subject site is approximately 1,085-feet (ft) above sea level. Topographic relief across the site is minimal (less than 5-ft). The area surrounding the subject site generally contains little topographic relief. However, within 100-ft of the Westpark Shopping Center topographic changes south of the site include a large hill with a total elevation change of about 100-ft within 1-mile.

3.2.1 Soil Type

Site soils are identified by United States Department of Agriculture Soil Conservation Service (SCS) report for Yakima County, issued April 1958, as containing Ritzville Silt Loam. Ritzville silt loam is described as a light-colored well-drained soil that is one of the most agriculturally important soils in the Yakima Valley. Generally found nearly level, relief varies from gently undulating to rolling and is hilly in some areas. Ritzville Silt Loam is derived from windborne material or loess. Areas of Ritzville Silt Loam are most extensive on smooth plateaus at higher altitudes on the north slopes of the ridges where more abundant vegetation has protected the surface from erosion. Natural vegetation consisted principally of big sagebrush and some bunchgrasses and grasses. Typical soil profile includes a pale-brown soft to slight hard silt loam or loam in the upper 5 to 7-inches, underlain by pale-brown to light yellowing-brown soft to slightly hard loam up to 32-inches in thickness. Light yellowish-brown to pale-brown soft to slight hard silt loam or loam makes up a third distinct layer and is typically 18 to 30-inches thick and underlain by a light yellowish-brown to very pale brown or pale-brown massive silt loam, loam or very fine sandy loam, with disseminated lime in various thicknesses. Higher on the flanks of the ridges, the minimum depth of Ritzville Silt Loam is about 3.5-ft and overlies cemented gravel, basalt fragments, buried soils, caliche, conglomerate, sandstone or shale.

3.2.2 Groundwater

Groundwater flow direction is a function of localized variations in geology, topography and irrigation practice but will generally flow south locally and east to southeast regionally toward the Yakima River. Well logs available from the Washington State Department of Ecology (Ecology) online reference reviewed for wells located within one half-mile radius distance from the subject site. No wells were identified by Ecology as being located on the subject site. Well log documentation obtained from Ecology for the surrounding area suggests that local near surface groundwater level ranges from 50-ft to 70-ft below ground surface (bgs).



4.0 REGULATORY DISCUSSION

3.1 ASTM International Guidelines

Fulcrum performed the near subsurface investigation in conformance with the scope and limitations of the American Society for Testing and Materials International (ASTM) *E1903-97 (Reapproved 2002) Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.*

4.2 Model Toxics Control Act

In March of 1989, MTCA regulations went into effect in Washington State. The MTCA regulations set standards to ensure quality of cleanup and protection of human health and the environment. A major portion of the MTCA regulations (completed in 1991) was the development of numerical cleanup standards and requirements for cleanup actions. Three options were established under MTCA for site-specific cleanup levels: Method A, B, and C. Method A defines cleanup levels for 25 of the most common hazardous substances found at sites. Method B levels are set using a site risk assessment, which enables consideration of site-specific characteristics. Method C is similar to Method B, however the individual substance's cancer risk portion of the assessment is set at 1 in 100,000 rather than 1 in 1,000,000.

Rule amendments to MTCA, which became effective August 15, 2001, changed the cleanup levels of petroleum hydrocarbon contamination. Whereas diesel and heavy oil concentrations were increased, the MTCA Method A cleanup levels for gasoline and gasoline components (Benzene, Toluene, Ethylbenzene, and Xylene) were lowered significantly.

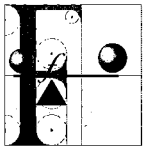
4.3 Investigation Standard Selected

Ecology's MTCA Method A cleanup level tables were developed to provide conservative cleanup levels for sites undergoing routine cleanup actions or those sites with relatively few hazardous substances. Method A cleanup levels are specifically designated as appropriate for residential facilities and are appropriate for a conservative approach at commercial and light industrial sites. Based on the intent to complete new building construction above the excavation area Fulcrum selected Ecology's MTCA Method A cleanup levels to be the most appropriate regulatory guidance for evaluating site conditions.

Where Method A concentrations have not been established, Standard Method B Formula Values for Soil (Unrestricted Land Use) – Direct Contact (Ingestion Only) Carcinogen will be utilized. If a carcinogen value is not provided the MTCA Method B non-carcinogen value is used. If any resultant analyses are above the MTCA identified levels, the need for further investigation or corrective action will be evaluated against Ecology defined criteria.

5.0 SITE SETTING

The Westpark Shopping Center is located approximately 5-miles west of the City of Yakima city center at the northwest intersection of North 40th Avenue and West Summitview Avenue, two primary arterials within this portion of the City of Yakima. Business at this main intersection consists of banks, professional offices, and fast food restraints. Beyond these businesses are residential



properties, including single-family structures with intermixed multi-family dwellings. See Figure 1 for the site buildings.

The former Godfathers building footprint is located in the north center of the Westpark Shopping Center. The dry cleaner is located immediately west of the former Godfathers building with other site buildings located east and south. The

6.0 CONTAMINANTS COMMON TO THE DRY CLEANING INDUSTRY

Dry cleaning uses non-water-based solvents to remove soil and stains from clothes. Throughout the years changes in selected solvents were made to deliver a more favorable cleanliness of the laundered garment. Early dry cleaners utilized gasoline and kerosene. However the flammability of these products led to the use of Stoddard solvent, a mixed petroleum product with lower flammability. Following World War I, chlorinated solvents were introduced into the dry cleaning industry. By the mid-1930s the use of PCE was nearly universally used in the dry cleaning industry as PCE provided excellent cleaning power, was stable, non-flammable, and gentle on most garments. Use of PCE has continued to be commonly used throughout the industry. New products in use for dry cleanings include glycol ethers, hydrocarbons, liquid silicone, modified hydrocarbon blends, liquid carbon dioxide, and others.

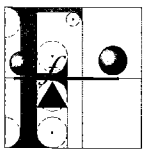
Historically, retail dry cleaning facilities primarily served as drop-off and pick-up locations for customer's garments. Large centralized factories collected garments from numerous retail facilities and transported the garments for cleaning. After cleaning the garments were returned to the retail shop for customer pick-up. With the introduction of smaller dry cleaning machines, individual retail shops entered the cleaning business.

Contaminants common to the dry cleaning industry and likely to be present at any one site vary based on the period of usage and types of equipment in operation. In general, dry cleaners operating prior to the 1930s are likely to have used Stoddard solvent, gasoline, or kerosene. Sites operational in the 1930s primarily utilized PCE, although some continued to used Stoddard solvent for existing equipment. The primary environmental hazard associated with use of PCE and other products has resulted from the dumping of tank bottom's, screen filters, and direct disposal of used solvents directly to the ground.

When released in to the environment, PCE can degrade into a number of daughter products through chemical or biological action. The degradation products of PCE include trichloroethylene (TCE), dichloroethylene (DCE), and vinyl chloride (VC). DCE can form two isomers, cis-1,2-DCE and a trans-1,2-DCE.

7.0 INITIAL INVESTIGATION

On July 26, 2005, Ryan Mathews and Peggy Williamson of Fulcrum conducted the subsurface screening investigation. Based on a previous site review, five locations were selected as being representative of historic conditions and appropriate for the screening level assessment. Three locations were selected outside the structure: two to the south and one to the north. Two locations were selected in the interior of the structure: one to the southeast and one to the northwest. See Figure 2 for sample collection locations, designated 01 through 05, associated with the initial investigation.



At each location the surface finish materials of either concrete or asphalt were removed using a concrete core cutting machine prior to sample collection. Soil samples were obtained by direct collection from an AMS-brand stainless steel split core sampler. The hand auger was cleaned with Liquinox™, a phosphate free cleaner, and distilled water between sampling locations.

Consistent with the Ecology sampling guidelines, samples were collected from the split core sampler using new nitrile gloved hands and a disposable impinger sampler to minimize disruption of the soil and loss of volatile compounds. Ecology guidelines require placement of an impinger collected soil sample into a 40-milliliter (mL) glass volatile organic analysis (VOA) vials for chemical preservation and analysis. At all locations, small cobbles and gravels were sorted from the sample prior to sample collection. Three subsamples, each consisting of impinge collected sample placed in a 40-mL VOA vial, were collected at each sample location.

Five sampling locations, labeled 01 through 05 were completed during the initial investigation. Samples were labeled with the sample location identification and then with the approximate sampling depth. Collected samples were packaged on ice and delivered via common carrier under chain-of-custody to Libby Environmental, LLC located in Lacey, Washington. All samples were analyzed by Environmental Protection Agency (EPA) Method 8260B for the presence of PCE, TCE, trans-DCE, cis-DCE, and vinyl chloride (VC). Laboratory analytical results associated with the initial investigation are present in Appendix B. The following table summarizes laboratory results. Sample above the MTCA CUL are shown in **Bold**.

Table 1: Sample Analysis Results – July 26, 2005

Sample Number and Description	Analyte and Results (ppm[1])				
	VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
01-3.0 Southeast exterior corner, 3-ft bgs	ND	ND	ND	ND	ND
02-2.0 Southwest exterior corner, 2-ft bgs	ND	ND	ND	ND	ND
03-3.5 Northeast exterior near CMU wall, 3.5-ft bgs	ND	ND	ND	ND	**1.07**
04-3.0 Southeast interior of the dry cleaner, 3-ft bgs	ND	ND	ND	ND	**3.33**
05-3.0 North center interior of the dry cleaner, 3-ft bgs	ND	ND	ND	ND	**10.9**
MTCA Soil Cleanup Levels (ppm)	**0.667[2]**	**800[3]**	**1,600[3]**	**11[2]**	**0.05[4]**

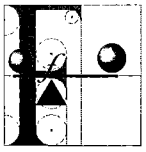
1 Parts per million 2 MTCA Method B – Carcinogen 3 MTCA Method B – Non-Carcinogen
4 MTCA Method A ND = None Detected

The initial investigator confirmed the presence of PCE in site soils beneath the dry cleaner building concrete floor and north below surface asphalt at concentrations above the MTCA Method A CUL. Vinyl chloride, cis-1,2 DCE, trans-1,2 DCE, and TCE were not present at detectable concentrations.

Following completion of the initial investigation additional investigation following the demolition of the easterly adjacent former Godfathers building, was determined to be appropriate prior to the construction of a new site building at the former Godfathers building footprint.

8.0 SITE-SPECIFIC SAFETY AND HEALTH PLAN

To facilities completion of the additional investigation and subsequent remedial action at the site, Fulcrum prepared a site-specific safety and health plan (SAP). The SAP reviewed the site conditions, known hazards, and potential hazards associated with site remedial activities. See Appendix C for the SAP.



9.0 ADDITIONAL INVESTIGATION AND EXTENT DETERMINATION

On September 22, 2005, Ryan Mathews with Fulcrum and Leingang completed a series of test pits at seven site locations following demolition of the former Godfathers building. Purpose of the additional investigation was to determine if PCE contamination extended east of the dry cleaners build gin and into the footprint of the former Godfathers building. Additional investigation consisted of soil excavation and sample collection at regular depths to establish the likely horizontal and vertical extent of PCE contamination. See Figure 2 for sample locations 092205-06 through 092205-12 completed during the additional investigation. All project laboratroyr analysis is presented in Appendix D. See Appendix E for site photographs.

To facilitate pending site redevelopment activities, portions of the asphalt parking and driveway areas and concrete sidewalks were removed concurrent with building demotion. The entirety of the work area was secured within a chain-link construction fence and maintained in good repair during the project.

Initial excavations confirmed that the common footings of the Godfathers building extended to a depth of approximately 4-ft. As such, contamination originating from the adjacent dry cleaners building was determined to most likely be located below the 4-ft soil horizon to the east. Prior to completion of test pit excavations, surrounding asphalt and concrete parking and curbing, the overlying building, concrete slab, concrete foundation walls and associated utilities were excavated and removed. Soil gravel and overburden was excavated from the upper 3-ft to 4-ft from the former Godfathers building footprint for resuse onsite.

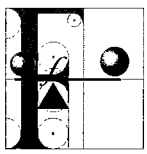
Seven separate test pit locations were completed to assess the horizontal and vertical extent of PCE impact to site soils within the area of the former Godfathers building and new building footprint. Sample locations were numbered based on date of sampling and continuing numerically from the previous sample events, 092205-06 through 092205-12. See Figure 2 for test pit locations completed on September 22, 2005.

9.1 Site Soil Descriptions

The general soil horizons included medium brown colored, tightly packed silty sandy soils from surface to 6.5-ft to 7.5-ft bgs. At an elevation of 6.5-ft to 7.5-ft bgs, a hardpan caliche-like white to creamy colored layer was present. The thickness of the caliche-like layer ranged from 3-ft to more than 8-ft. Excavations at test pit locations 092205-06, 07, 08, 09, 10, and 11 were terminated at depths of 10.5-ft to 11-ft bgs with no indications of the lower extent of the caliche-like layer. Where present the caliche-like layer included localized pockets of sands

At test pit 092205-12, the lower extent of the caliche-like layer was established at 15-ft bgs. Below the caliche-like layer, tightly packed sands extended to approximately 21-ft, underlain by poorly sorted cobbles in sands to 24-ft, the extent of the excavation.

No PCE odors or indications of staining were observed at any of the test pit locations.



9.2 Sample Collection

At each location, soil was excavated and soil samples collected at varied intervals based on changes in soil type or field indications of potential PCE contamination. Grab samples were collected from the undisturbed soils between the teeth of the excavator bucket. Consistent with the Ecology sampling guidelines, samples were collected using new nitrile gloved hands and a disposable impinger sampler to minimize disruption of the soil and loss of volatile compounds. Small cobbles and gravels were avoided during sample collection.

Samples were labeled by the date of sample collection, sample location, and approximate sampling depth (092205-XX.XX). Collected samples were packaged on ice and delivered via common carrier under chain-of-custody to Libby Environmental, LLC located in Lacey, Washington.

9.3 Laboratory Results

Twenty-three soil samples were collected for laboratory analysis. All samples were analyzed by EPA Method 8260B for the presence of PCE, TCE, trans-DCE, cis-DCE, and vinyl chloride. Laboratory analytical results are included in Appendix D. Concentrations above the applicable MTCA CUL are shown in **Bold**.

Table 2: Sample Analysis Results – September 22, 2005

Sample Number	Location	Analyte and Results (ppm[1])				
		VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
092205-06.4	Northwest corner, 4-ft bgs	ND	ND	ND	ND	ND
092205-06.8.5	Northwest corner, 8.5-ft bgs	ND	0.065	ND	ND	ND
092205-06.10.5	Northwest corner, 10.5-ft bgs	ND	ND	ND	ND	**1.51**
092205-07.4	West center, 4-ft bgs	ND	ND	ND	ND	ND
092205-07.8.5	West center, 8.5-ft bgs	ND	0.15	ND	0.045	**6.34**
092205-07.10.5	West center, 10.5-ft bgs	ND	ND	ND	ND	ND
092205-08.4	Southwest corner, 4-ft bgs	ND	ND	ND	ND	ND
092205-08.8.5	Southwest corner, 8.5-ft bgs	ND	ND	ND	ND	ND
092205-08.10.5	Southwest corner, 10.5-ft bgs	ND	0.055	ND	ND	**0.29**
092205-09.4	Southeast corner, 4-ft bgs	ND	0	ND	ND	**0.26**
092205-09.8	Southeast corner, 8-ft bgs	ND	ND	ND	ND	ND
092205-09.10	Southeast corner, 10-ft bgs	ND	ND	ND	ND	ND
092205-10.4	East center, 4-ft bgs	ND	ND	ND	ND	ND
092205-10.8.5	East center, 8.5-ft bgs	ND	ND	ND	ND	**0.087**
092205-10.9.5	East center, 9.5-ft bgs	ND	ND	ND	ND	ND
092205-11.4	Northeast corner, 4-ft bgs	ND	ND	ND	ND	ND
092205-11.8	Northeast corner, 8-ft bgs	ND	ND	ND	ND	0.024
092205-11.10.5	Northeast corner, 10.5-ft bgs	ND	ND	ND	ND	ND
092205-12.4	North center, 4-ft bgs	ND	ND	ND	ND	ND
092205-12.8	North center, 8-ft bgs	ND	ND	ND	ND	**0.087**
092208-12.13	North center, 13-ft bgs	ND	ND	ND	ND	ND

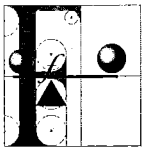


Table 2: Sample Analysis Results – September 22, 2005 (Continued)

Sample Number	Location	Analyte and Results (ppm[1])				
		VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
092208-12.21	North center, 21-ft bgs	ND	ND	ND	ND	ND
092208-12.24	North center, 24-ft bgs	ND	ND	ND	ND	ND
MTCA Soil Cleanup Levels (ppm)		**0.667[2]**	**800[3]**	**1,600[3]**	**11[2]**	**0.05[4]**

1 Parts per million 2 MTCA Method B – Carcinogen 3 MTCA Method B – Non-Carcinogen
4 MTCA Method A ND = None Detected

9.4 Discussion

Laboratory analysis did not identify any vinyl chloride or trans-1,2-DCE in the samples submitted. While detectable concentrations of Cis-1,2-DCE and TCE were present, concentrations were well below applicable MTCA cleanup levels. PCE was identified at six of the seven test pit locations. Only location 092205-11 at the northeastern corner of the former Godfathers building footprint did not have PCE at concentrations above the MTCA Method A cleanup level.

PCE impact was identified at location 092205-09 at 4-ft bgs. All other locations were identified with PCE in samples at 8-ft or 8.5-ft bgs. Based on the laboratory analysis, PCE impacted soils were confirmed to begin at a depth of 4-ft and extend to a depth of approximately 10.5-ft confirming impact to the upper portions of the caliche-like soil. Samples collected from below the caliche-like layer did not have PCE impact. Based on the results of the September 22, 2005 test pit excavation and sampling event, the caliche-like layer was confirmed to be present at all areas within the former Godfathers building footprint and appeared to serve as a confining layer for the vertical migration of PCE.

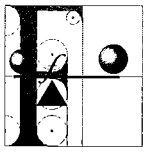
10.0 CONTAMINATED SOIL EXCAVATION ACTIVITIES

Soil excavation activities were designed to complete direct excavation and transport for disposal of PCE impacted soils beginning at the 4-ft bgs soil horizon and extending until laboratory analysis confirmed absence of PCE contamination. See Section 12 for a review of waste characterization and disposal of excavated soils. All PCE contaminated soils were disposed at Rabanco's Roosevelt Regional Landfill in Roosevelt, Oregon.

10.1 Sampling Methodology

The total area of the new building footprint was approximately 70-ft east to west and 110-ft north to south. To facilitate consistency in sample collection, the site was divided into approximately three north-south quadrants and two east-west quadrants. Within each grid, a single soil sample was determined to be appropriate to confirm representative concentrations of excavation. Similarly, within each grid at the excavation perimeter, a soil sample was selected extent from the excavation sidewall to be representative of the whole quadrant wall.

All soil samples were collected consistent with the procedures identified in Section 8.2 and consistent of discrete sampling collected from the intend location. Due to the openness of the excavation, the majority of samples were collected directly from the site soils.



All project samples were analyzed by Libby Environmental of Lacey, Washington. All samples collected during the September 29 and 30, 2005 excavation event, October 10, 2005 excavation event, and October 14, 2005 stockpile sampling event were submitted to Libby's Lacey, Washington laboratory for analysis. These samples were preserved in ice, shipped by commercial carrier, under chain-of-custody to the laboratory for analysis. All samples collected on October 7 and 8, 2005 were analyzed by Libby's onsite laboratory and were hand delivered to the onsite laboratory.

Samples were analyzed for PCE, TCE, trans-1,2,-DCE, cis-1,2-DCE, and vinyl chloride by EPA Method 8260B. Method detection limits were confirmed to be below MTCA cleanup levels for all analysis.

10.2 September 29 and 30, 2005 Excavation Event

On September 29 and 30, 2005, Travis Trent, a Professional Geologist with Fulcrum directed excavation of soil from within the former Godfathers building footprint at the site. During site activities other site activities were completed by Ryan Mathews, Peggy Williamson, and Brianne Harcourt. Initial excavation activities were organized into three separate phases:

- Excavate and stockpile soil from the surface to 4-ft bgs for subsequent analysis.
- Excavate and separately stockpile soil from 4-ft to 6-ft bgs for subsequent analysis.
- Excavate soil beyond 6-ft bgs for direct transport to the Roosevelt Regional Landfill.

Stockpiled soils of PCE contaminated or potentially PCE contaminated soils were placed on an asphalt covered parking lot located west of the adjacent site building. Stockpiles were individually barricaded to prevent unauthorized access. See Figure 1 for stockpiled soil locations.

10.2.1 September 29 and 30, 2009 Sample Collection Methodology

Samples collected on September 29 and 30, 2005 were designed with the pre-fix "WP" and labeled in sequential numerical order. Samples were collected for two primarily purposes, to evaluate PCE concentrations in soil at approximately 4-ft bgs and then following excavation of the 4-ft to 8-ft layer, PCE concentrations in soil at 8.5-ft to 9-ft bgs. See Figure 3 for soil samples collected during September 29 and September 30, 2005.

10.2.2 September 29 and 30, 2009 Laboratory Analysis

Twenty-six soil samples were collected for laboratory analysis. Samples were collected at two primary elevations: 4-ft or 6-ft bgs and 9-ft bgs. Initial sampling was completed to establish the general horizontal extent and relative concentrations of PCE within the soils.

All samples were analyzed by EPA Method 8260B for the presence of PCE, TCE, trans-1,2-DCE, cis-1,2-DCE, and vinyl chloride. Sample WP-03 was collected but was not analyzed. Laboratory analytical results are included in Appendix D. Contaminant concentrations above the applicable MTCA CUL are shown in **Bold**. Samples shown with shading document remedial completion had been achieved for that quadrant area.

Table 3: Sample Analysis Results – September 30, 2005

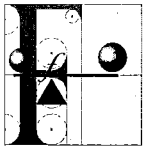
Sample Number	Location	Depth	Analyte and Results (ppm[1])				
			VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
WP-01	Southeast excavation bottom	6	ND	ND	ND	ND	**0.55**
WP-02	East center, excavation bottom	6	ND	ND	ND	ND	**0.062**
WP-04	West center, excavation bottom	6	ND	ND	ND	ND	**0.88**
WP-05	Northwest corner, within excavation	6	ND	ND	ND	ND	**0.09**
WP-06	Northwest center, within excavation	4	ND	ND	ND	ND	0.048
WP-07	West center, excavation bottom	4	ND	ND	ND	ND	0.047
WP-08	Southwest center, excavation bottom	4	ND	ND	ND	ND	ND
WP-09	North stockpile , north portion	-	ND	ND	ND	ND	0.03
WP-10	North stockpile, south portion	-	ND	ND	ND	ND	**0.074**
WP-11	Southwest corner, excavation bottom	6	ND	ND	ND	ND	**0.5**
WP-12	South center, excavation bottom	9	ND	ND	ND	ND	**0.14**
WP-13	Southwest corner, excavation bottom	9	ND	ND	ND	ND	**0.39**
WP-14	East center, south, excavation bottom	9	ND	ND	ND	ND	**0.49**
WP-15	East center, north, excavation bottom	9	ND	ND	ND	ND	**0.13**
WP-16	Center, north, excavation bottom	9	ND	ND	ND	ND	**0.15**
WP-17	Center, south, excavation bottom	9	ND	ND	ND	ND	**0.55**
WP-18	Southeast corner, excavation bottom	9	ND	ND	ND	ND	**0.52**
WP-19	West center, south, excavation bottom	9	ND	ND	ND	ND	**0.47**
WP-20	West center, north, excavation bottom	9	ND	ND	ND	ND	**1.34**
WP-21	Northwest corner, excavation bottom	9	ND	ND	ND	ND	**0.067**
WP-22	North center, excavation bottom	9	ND	ND	ND	ND	**0.39**
WP-23	North center sidewall	8.5	ND	ND	ND	ND	0.023
WP-24	East sidewall, north	8.5	ND	ND	ND	ND	**0.55**
WP-25	East sidewall, south	8.5	ND	ND	ND	ND	**0.058**
WP-26	Southeast corner, east sidewall	8.5	ND	ND	ND	ND	0.044
MTCA Soil Cleanup Levels (ppm)			**0.667[2]**	**800[3]**	**1,600[3]**	**11[2]**	**0.05[4]**

1 Parts per million 2 MTCA Method B – Carcinogen 3 MTCA Method B – Non-Carcinogen
4 MTCA Method A ND = None Detected Shading indicates samples below MTCA CUL

Laboratory analysis confirmed that localized areas of remediation were completed on the north center sidewall and southeast corner, east sidewall. Based on the results of other samples collected and analyzed, the majority of the excavation extents were identified with concentrations in excess of MTCA CUL and requiring additional PCE contaminated soil removal.

10.3 October 5 through 8, 2005 Excavation Extents

Beginning on October 5, 2005, direct excavation and transport of PCE contaminated soils to Roosevelt Regional Landfill commenced. Both excavated and stockpiled soils and direct excavated soils were transported for disposal. Site activities were completed under the supervision and direction of Peggy Williamson and Brianne Harcourt. See Appendix E for site photographs.



At each excavation sidewall or bottom where laboratory analysis identified remaining PCE contamination, soil was excavated in approximately 1-ft layers prior to re-testing. See Figure 4 for locations of soil samples collected on October 7, 2005 and Figure 5 for the location of soil samples collected on October 8, 2009.

During the course of site activities, two additional stockpiles, each less than 50 cubic yards in volume, were staged at the site. A UST stockpile was generated from the soils immediately surround a UST discovered within the excavation. See section 10.5 for a review of the UST discovery. A second stockpile, the southwest stockpile originated from the southwest extent of the excavation. Following receipt of non-detect sample sampling results from the southwest sidewall sample (100805-01) sampling was completed of the southwest stockpile.

10.3.1 October 7, 2005 Laboratory Analysis

On October 7, 2005, a mobile laboratory from Libby Environmental was onsite to completed real-time laboratory analysis to assist with contamination extent delineation and confirmatory soil sampling. Sample number 100705-12 was not used. Contaminant concentrations above the applicable MTCA CUL are shown in **Bold**. Samples shown with shading in the table are locations where laboratory results for a respective quadrant area document that remedial activities have been achieved.

Table 4: Sample Analysis Results – October 7, 2005

Sample Number	Location	Depth	Analyte and Results (ppm[1])				
			VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
100705-01	Southwest corner, excavation bottom	8.5	ND	ND	ND	ND	**0.21**
100705-02	Southeast corner, excavation bottom	9.5	ND	ND	ND	ND	ND
100705-03	South-southwest corner	7.5	ND	ND	ND	ND	**0.063**
100705-04	South center, sidewall in excavation	7	ND	ND	ND	ND	ND
100705-05	Southeast corner sidewall	7.5	ND	ND	ND	ND	**0.095**
100705-06	East center sidewall	7	ND	ND	ND	ND	**0.31**
100705-07	East center, excavation bottom	9.5	ND	ND	ND	ND	ND
100705-08	West center, excavation bottom	9.5	ND	ND	ND	ND	ND
100705-09	West center sidewall	7.5	ND	ND	ND	ND	**0.13**
100705-10	Northwest center, excavation bottom	9	ND	ND	ND	ND	0.039
100705-11	Northwest center sidewall	7.5	ND	ND	ND	ND	**3.16**
100705-13	Southwest corner, excavation bottom, 11-ft bgs	11	ND	ND	ND	ND	**0.089**
100705-14	West stockpiled soil, south extent	-	ND	ND	ND	ND	**0.095**
100705-15	Southwest corner, excavation bottom	12.5	ND	ND	ND	ND	**0.87**
100705-16	Southwest corner, west sidewall	8	ND	ND	ND	ND	ND

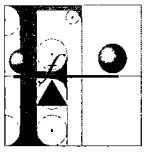


Table 4: Sample Analysis Results – October 7, 2005 (Continued)

Sample Number	Location	Depth	Analyte and Results (ppm[1])				
			VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
100705-17	Southeast corner sidewall	8	ND	ND	ND	ND	**0.47**
100705-18	Northeast sidewall	7.5	ND	ND	ND	ND	0.044
100705-19	Center northeast sidewall	7.5	ND	ND	ND	ND	**0.3**
100705-20	Stockpiled soils	-	ND	ND	ND	ND	**0.12**
100705-21	Southwest corner, excavation bottom	14	ND	ND	ND	ND	ND
100705-22	Northeast center sidewall	7.5	ND	ND	ND	ND	0.045
100705-23	Northeast center, excavation bottom	9.5	ND	ND	ND	ND	ND
100705-24	East center sidewall	8	ND	ND	ND	ND	**0.15**
100705-25	Southeast sidewall	7.5	ND	ND	ND	ND	**0.085**
100705-26	Northwest ramp, excavation bottom	9	ND	ND	ND	ND	ND
100705-27	Northwest ramp, north sidewall	7	ND	ND	ND	ND	**0.15**
100705-28	Northwest ramp, west sidewall	7	ND	ND	ND	ND	**0.092**
100705-29	Northwest ramp, east sidewall	7	ND	ND	ND	ND	**0.35**
MTCA Soil Cleanup Levels (ppm)			**0.667[2]**	**800[3]**	**1,600[3]**	**11[2]**	**0.05[4]**

1 Parts per million 2 MTCA Method B – Carcinogen 3 MTCA Method B – Non-Carcinogen
4 MTCA Method A ND = None Detected Shading indicates samples below MTCA CUL

Laboratory analysis confirmed that multiple portions of the excavation had sufficiently completed removal of PCE contaminated soils. Localized areas of contamination were confirmed to be present, including on the northeast sidewall, northeast ramp, east center sidewall, and southeast sidewall. See Figure 4 for the locations where laboratory analysis document completion of remedial activities for a respective quadrant area. See Figure 6 for a composite summary map with all final extent sample locations.

10.3.2 October 8, 2005 Laboratory Analysis

Samples 100805-10 and 100805-11 are associated with an underground storage tank discovered during excavation activities. See section 9.4 for a discussion of these samples and results. Contaminant concentrations above the applicable MTCA CUL are shown in **Bold**. Samples shown with shading in the table are locations where laboratory results for a respective quadrant area document that remedial activities have been achieved. See Appendix D for laboratory results.

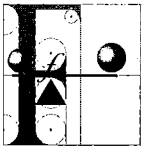


Table 5: Sample Analysis Results – October 8, 2005

Sample Number	Location	Depth	Analyte and Results (ppm[1])				
			VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
100805-01	Southwest sidewall	8	ND	ND	ND	ND	ND
100805-02	East sidewall	8.5	ND	ND	ND	ND	ND
100805-03	East sidewall	7	ND	ND	ND	ND	**0.11**
100805-04	Northeast sidewall	7	ND	ND	ND	ND	**0.1**
100805-05	Northeast sidewall	7	ND	ND	ND	ND	**1.52**
100805-06	Northeast corner sidewall	7	ND	ND	ND	ND	**7.35**
100805-07	Stockpile sample, north	-	ND	ND	ND	ND	ND
100805-08	Stockpile sample, east	-	ND	ND	ND	ND	ND
100805-09	Stockpile sample, south	-	ND	ND	ND	ND	ND
100805-12	East center sidewall, south of east building extent	8.5	ND	ND	ND	ND	ND
100805-13	East center sidewall, north of east building extent	8.5	ND	ND	ND	ND	**0.82**
MTCA Soil Cleanup Levels (ppm)			**0.667[2]**	**800[3]**	**1,600[3]**	**11[2]**	**0.05[4]**

1 Parts per million 2 MTCA Method B – Carcinogen 3 MTCA Method B – Non-Carcinogen
4 MTCA Method A ND = None Detected Shading indicates samples below MTCA CUL

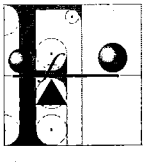
Laboratory analysis confirmed completion of excavation activities on the southwest and east sidewalls. One localized area of PCE contaminated soil was confirmed present on the east sidewall in the soils immediately below the east adjacent building. Additional excavation could not be completed at sample location 100805-12 and 100805-13 without undermining the building. Based on the sample results and confirmation of surrounding soils without impact above applicable MTCA CUL, the area of PCE contaminated soil below the east adjacent building is likely de minimis. See Figure 6 for a composite summary map with all final extent sample locations.

Laboratory analysis of the stockpile samples 100805-07 through 100808-09 did not identify any detectable PCE concentrations. The stockpile was confirmed to be appropriate for use in site backfill.

10.4 October 5 through November 1, 2005, Soil Transport and Disposal

Beginning on October 5, 2005 soil was excavated and directly transported from the site to Roosevelt Regional Landfill for disposal. Per Ecology and Rabanco requirements, soils managed for "contained-in" disposal are to be placed into truck and trailers lined with 6-mil polyethylene sheeting and covered prior to transport. Upon arrival at the landfill soil is to be directly placed into the landfill for prompt covering. Soil transport was completed by Leingang and J&L Leasing. J&L Leasing provided transportation under contract with Rabanco.

During the course of site activities, more soil could be excavated then transported from the site in any one day. To maintain project schedule for reconstruction, stockpiled soils were placed on an asphalt covered portion of the site pending loading, transport and disposal. From October 11 through November 1, 2005, soil was transported from the site by Leingang. Rate of transport was dependent on other site work, other commitments by Leingang, and sample collection, laboratory analysis and review of stockpiled soil sample results.



Final sampling of stockpiled soils, present west of the dry cleaners building was completed on October 10, 2005 and October 14, 2005. Soil samples were collected consistent with other phases of this project and included direct sample collection of soils from the stockpiled soils with nitrile gloves and placing samples into borosilicate jars. See Table 5 for laboratory results. See Figure 4 for West Stockpile location. All samples were analyzed at Libby's laboratory in Lacey, Washington. Contaminant concentrations above the applicable MTCA CUL are shown in **Bold**.

Table 6: Sample Analysis Results – Stockpile Results

Sample Number	Location	Analyte and Results (ppm[1])				
		VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE
101005-01	West Stockpile, south extent	ND	ND	ND	ND	**0.58**
101005-02	West Stockpile, north extent	ND	ND	ND	ND	ND
101005-03	West Stockpile, southwest extent	ND	ND	ND	ND	**0.3**
101405-01	West Stockpile, exposed south extent	ND	ND	ND	ND	ND
MTCA Soil Cleanup Levels (ppm)		**0.667[2]**	**800[3]**	**1,600[3]**	**11[2]**	**0.05[4]**

1 Parts per million 2 MTCA Method B – Carcinogen 3 MTCA Method B – Non-Carcinogen
4 MTCA Method A ND = None Detected

Sampling during the October 10, 2005 event confirmed that approximately 2/3 of the remaining stockpiled soils required removal. Following removal, Fulcrum completed soil sampling of the newly exposed face on October 14, 2009. Laboratory analysis confirmed that the remaining stockpiled soils did not have detectable concentrations of PCE. See Appendix D for laboratory results.

10.5 Underground Storage Tank Removal

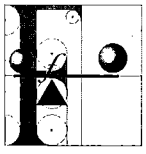
During excavation near the center of the building on October 8, 2005, an apparent abandoned underground storage tank was located. The tank was observed to be free of product with a slight heating oil odor present. At the completion of sample collection UST was crushed and transported from the site for metal recycling.

Although the tank was not regulated and was within an area of soil to be excavated and disposed as a result of PCE concentration, Fulcrum completed a UST Site Assessment consistent with Ecology's guidelines. Additionally as the south, east, and northerly surroundings soils had been removed, only a sample below the UST and on the east sidewall could be collected. Fulcrum collected two soil samples from the soils surrounding the UST for laboratory analysis. The samples were labeled 100805-10 and 100805-11. The samples were submitted for Northwest Total Petroleum Hydrocarbons – Diesel Extended analysis. Samples were analyzed by Libby Environmental through the onsite laboratory. See Figure 5 for UST Stockpile location.

Table 7: Sample Analysis Results – UST Sampling Results

Sample Number	Location Depth	Analyte and Results (ppm[1])		
		Diesel	Heavy Oil	Mineral Oil
101005-10	UST Stockpile	1,540	ND	ND
101005-11	UST Stockpile	ND	ND	ND
MTCA Soil Cleanup Levels (ppm)[2]		**2,000**	**2,000**	**4,000**

1 Parts per million 2 MTCA Method A ND = None Detected



Laboratory results did not identify any diesel, heavy oil, or mineral oil within the collected soil samples above applicable MTCA Method A cleanup levels. While confirmed to be free of petroleum hydrocarbon impact, the soils were disposed of as PCE contaminated consistent with other site soils.

11.0 FINAL EXCAVATION EXTENTS LABORATORY ANALYSIS

Laboratory analysis confirmed completion of soil excavation below the new building foundation from the surface to the excavation bottom. Remaining concentrations of PCE present in the excavation bottom were below applicable MTCA cleanup levels. Excavation of soils on the south and east face of the former Godfathers building and new building footprint confirmed removal of all PCE contaminated soils in both vertical and horizontal extent.

Excavation beyond the final site boundaries to the north and west were restricted by the presence of site buildings or other features. The primary limiting factor to the north was the presence of an electrical and cellular telephone pole along the north excavation boundary. As such, PCE contaminated soils were established to be beyond the extents of the former Godfathers building and new building footprint.

12.0 INSTALLATION OF A VAPOR BARRIER AND PASSIVE SUBSURFACE SOIL VENTING SYSTEM

Following completion of contaminated soil excavation and prior to backfilling the excavation, a passive soil venting system and a 24-mil thickness high density propylene (HDPE) liner were installed along the west and north boundaries of the excavation. Purpose of the passive soil venting was to provide a preferential pathway for PCE vapor from the subsoil that would not result in intrusion into built spaces. The purpose of the HDPE liner was to provide a physical barrier and vapor barrier to the potential migration of PCE impact from beneath the dry cleaners into newly imported soils.

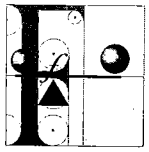
The passive soil venting consisted of perforated drain piping wrapped in a geotextile fabric and enclosed within washed round sorted gravels. The HDPE liner was secured below the sorted gravels and to the foundation of the dry cleaner's building foundation.

13.0 WASTE CHARACTERIZATION AND DISPOSAL

Following receipt of initial laboratory analysis, Fulcrum contacted Rabanco to request disposal of PCE contaminated soil at the Roosevelt Regional Landfill. Following consultation with Brian Dick, Ecology's Hazardous Waste Program, he confirmed that disposal at the Roosevelt Regional Landfill was appropriate as a part of a contained-in disposal process.

On October 4, 2005, Leslie Whiteman with Rabanco approved acceptance of the PCE contaminated soil under certificate number 05-1305. Soil transpiration for disposal began on October 5, 2005 and concluded on November 1, 2005.

Waste shipment logs indicate that approximately 1,150 tons of soil was transported and disposed at Roosevelt Regional Landfill. Copies of the waste receipts are included in Appendix F.



14.0 CONCLUSIONS

The PCE contamination appears to have been the result of historic activities associated with a dry cleaners operation located in westerly adjacent building. Following identification of contamination and subsequent to selective demolition, Fulcrum oversaw the excavation of soils from beneath the building located east of the dry cleaners. Excavation activities continued to a depth ranging from 9-ft to 14.5-ft below ground surface. Laboratory analysis documented completion of remedial activities at the lower vertical extent in the excavation and both the vertical and horizontal extent along the south sidewall of the excavation. A localized area of PCE contaminated soil, below the adjacent east building could not be excavated without undermining the building and is likely de minimis in nature. Otherwise the east extent of the excavation did not have PCE concentrations above applicable MTCA cleanup levels (CUL).

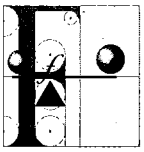
PCE contaminated soils remain on the north and west boundaries of the former Godfathers building and new replacement building footprint, including beneath the westerly adjacent dry cleaners building. Due to site buildings and utilty features additional excavation to the north and west could not be completed. To provide a physical and vapor barrier and preferential pathway for PCE vapor, a 24-mil HDPE liner and perforated piping system were installed along the west and north boundary of the new replacement building. The HDPE liner was installed to prevent the contamination of imported fill soils within the new building footprint and to eliminate the potential for vapor intrusion into the new building from the area of impacted soil to the north and west.

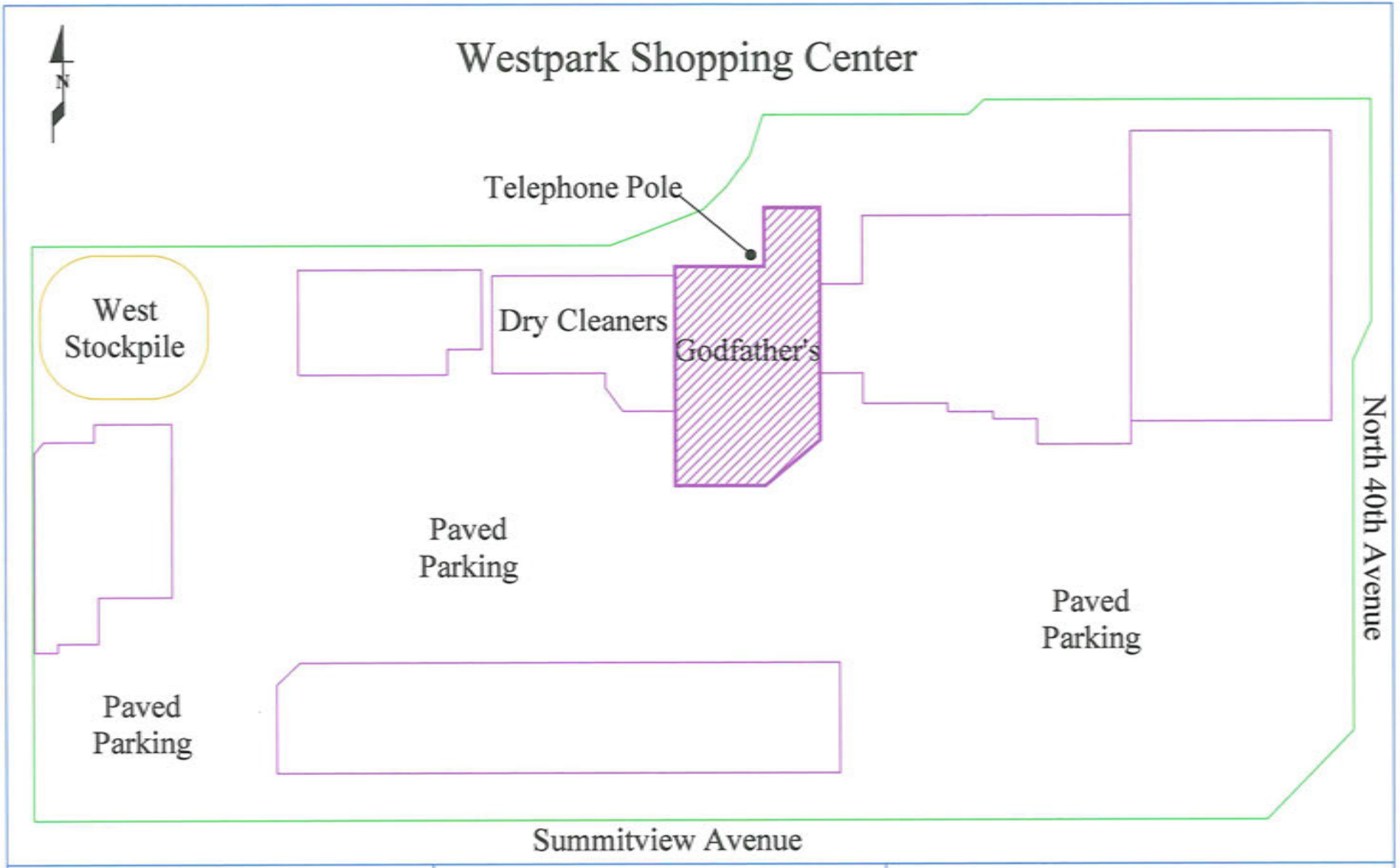
All remaining areas of known PCE contaminated soils are either located beneath existing buildings or cannot be excavated due to the presence of other site features. This investigation was successful in providing a new building footprint free of PCE contaminated soils above applicable MTCA CUL and incorporated the use of HDPE and a passive vapor mitigation system to prevent the contamination of clean imported soils and vapor intrusion into the newly completed building.

15.0 LIMITATIONS

Fulcrum Environmental Consulting, Inc. has performed professional services in accordance with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. The conclusions and recommendations are based upon our field observations, field screening, and independent laboratory analysis. Opinions and recommendations contained in this report apply to conditions existing at the time services were performed.

Fulcrum Environmental Consulting, Inc. is not responsible for the impact of changes in environmental standards, practices, or regulations subsequent to the performance of services. Fulcrum Environmental Consulting, Inc. assumes no liability for conditions that were not included in our scope of services, or conditions not generally recognized as predictable when services were performed. This report is solely for the use and information of our client. Any reliance on this report by a third party is at the party's sole risk and Fulcrum does not warrant the use of segregated portions of this report.





Legend

Excavation Location:

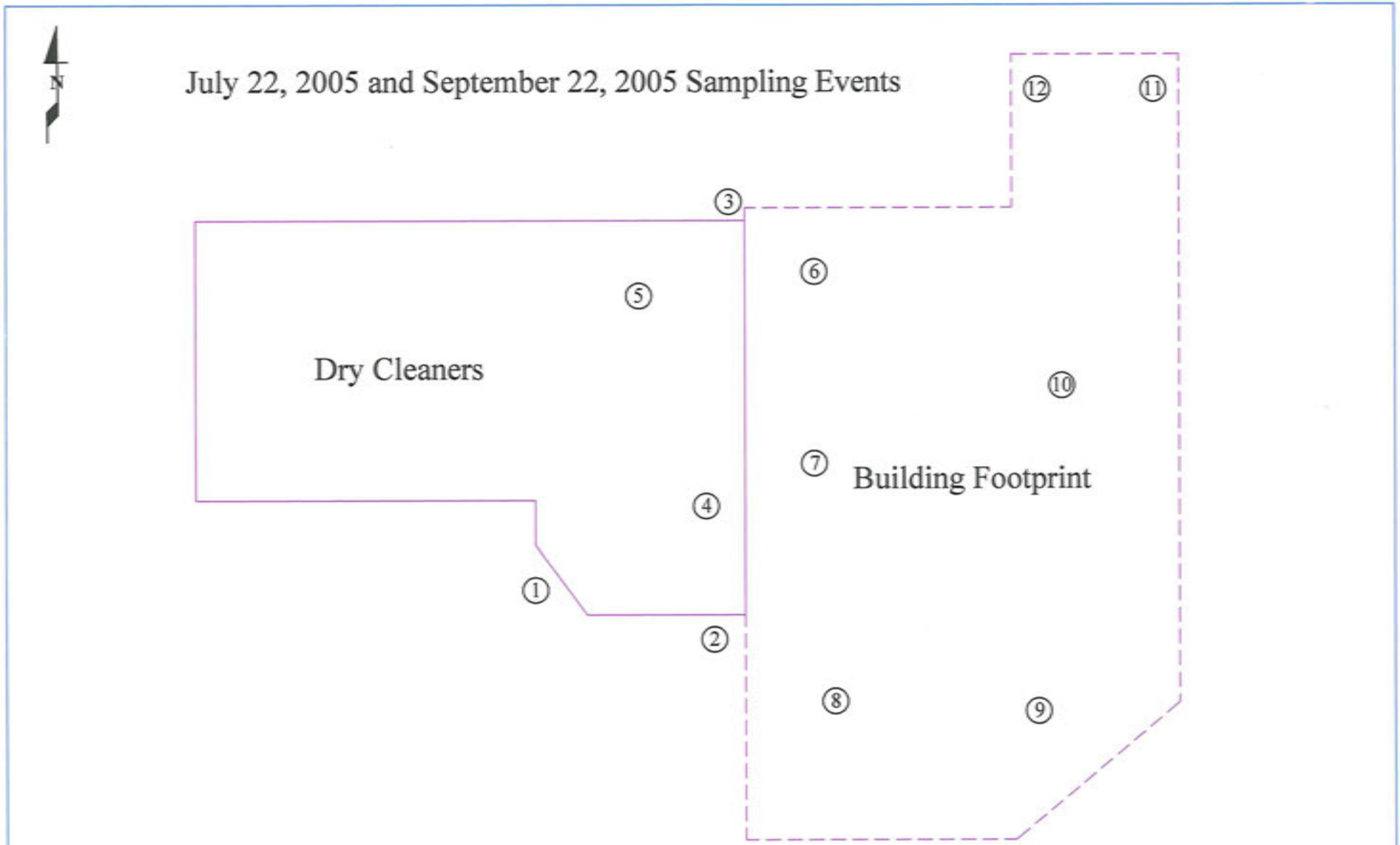
Scale: NTS

Figure 1
Subject Site Map

Westpark Shopping Center
Yakima, Washington

Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901
Phone (509) 574-0839 Fax (509) 575-8453

Drawn by: AMP	Project Number: 05-942
Date: 01/11/2006	File Name: Westpark Projects



Legend

Test Pit Locations: ##

Scale: NTS

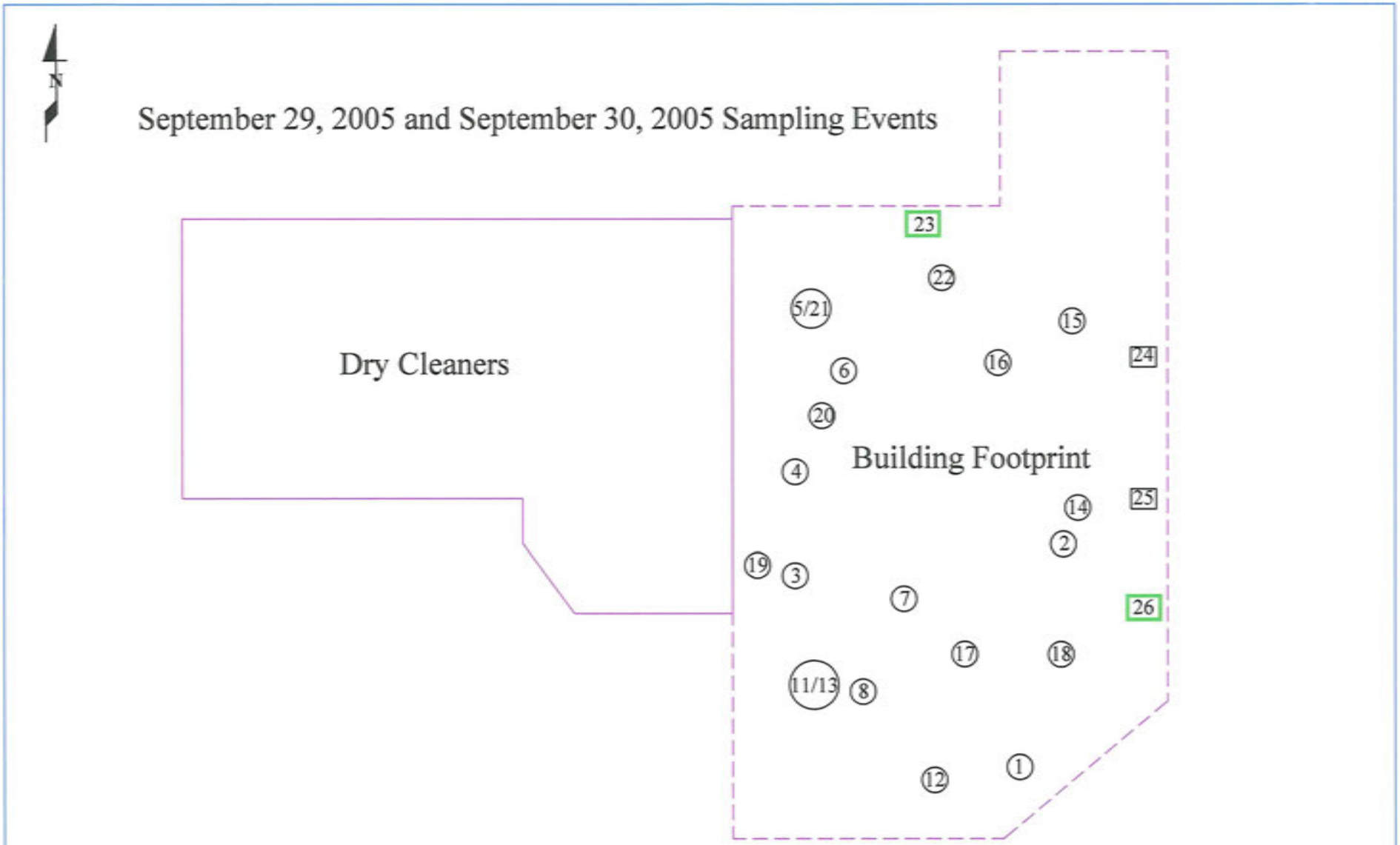
Figure 2

Test Pits and Sample Locations Map

Westpark Shopping Center
Yakima, Washington

Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901
Phone (509) 574-0839 Fax (509) 575-8453

Drawn by: AMP	Project Number: 05-942
Date: 01/11/2006	File Name: Dry Cleaners Site Soils



Legend

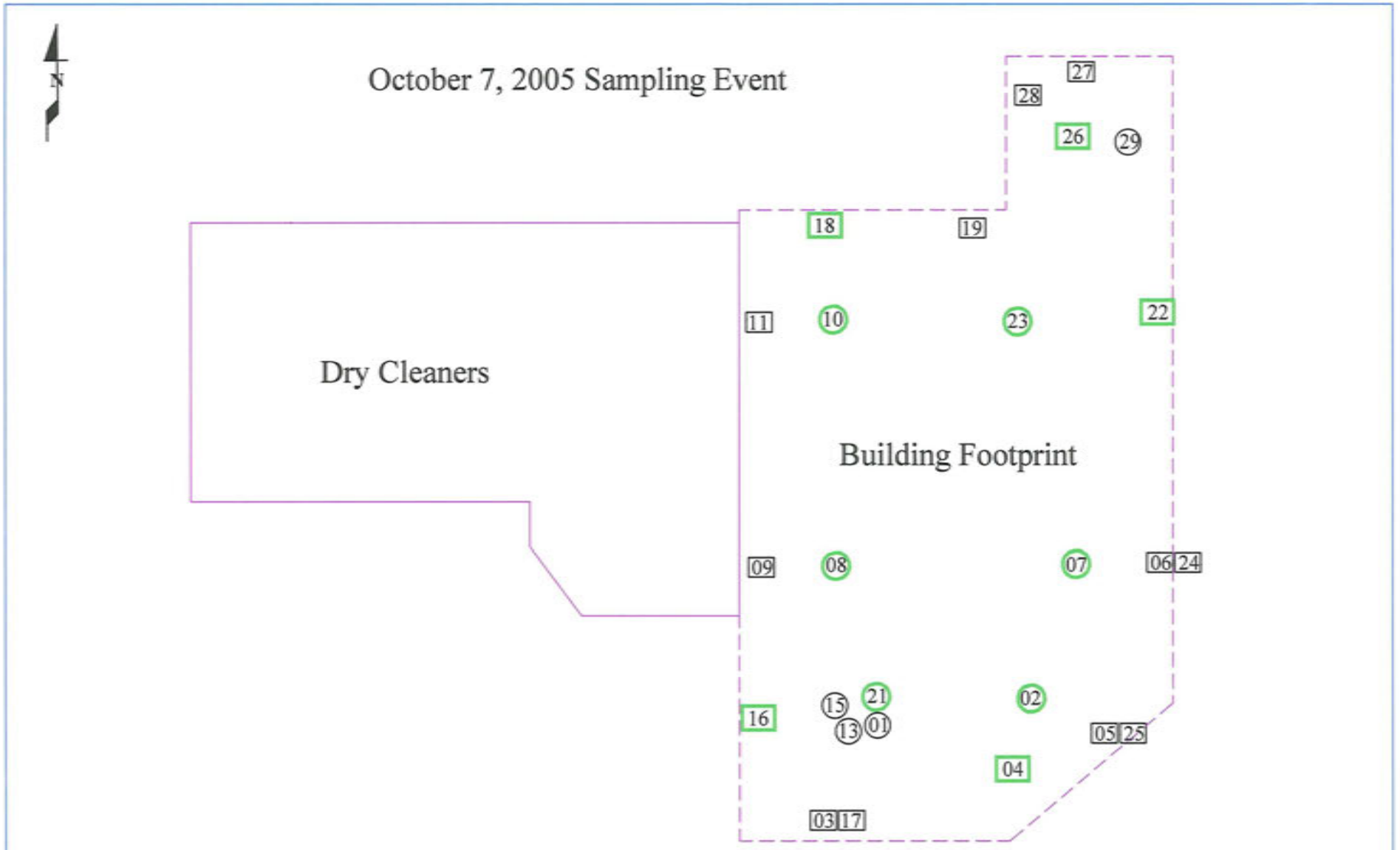
Bottom Locations: WP-(##)
Sidewall Locations: WP-[##]
Results <MTCA CUL: ☐
Scale: NTS

Figure 3
Sample Locations Map

Westpark Shopping Center
Yakima, Washington

Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901
Phone (509) 574-0839 Fax (509) 575-8453

Drawn by: AMP	Project Number: 05-942
Date: 01/11/2006	File Name: Dry Cleaners Site Soils



Legend

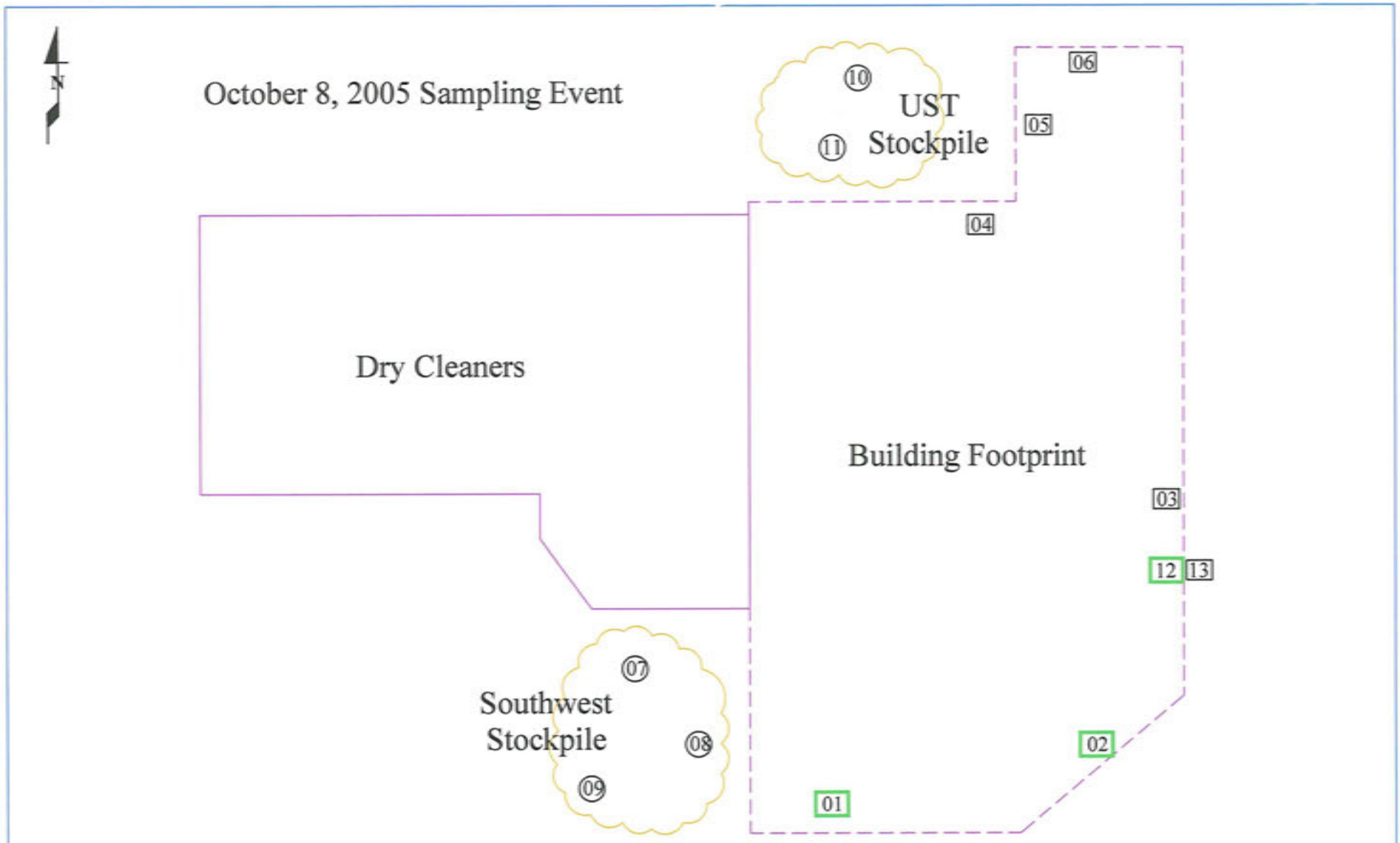
Bottom Locations: 100705-(##)
Sidewall Locations: 100705-[##]
Results <MTCA CUL: ☐
Scale: NTS

Figure 4
Sample Locations Map

Westpark Shopping Center
Yakima, Washington

Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901
Phone (509) 574-0839 Fax (509) 575-8453

Drawn by: AMP	Project Number: 05-942
Date: 01/11/2006	File Name: Dry Cleaners Site Soils



Legend

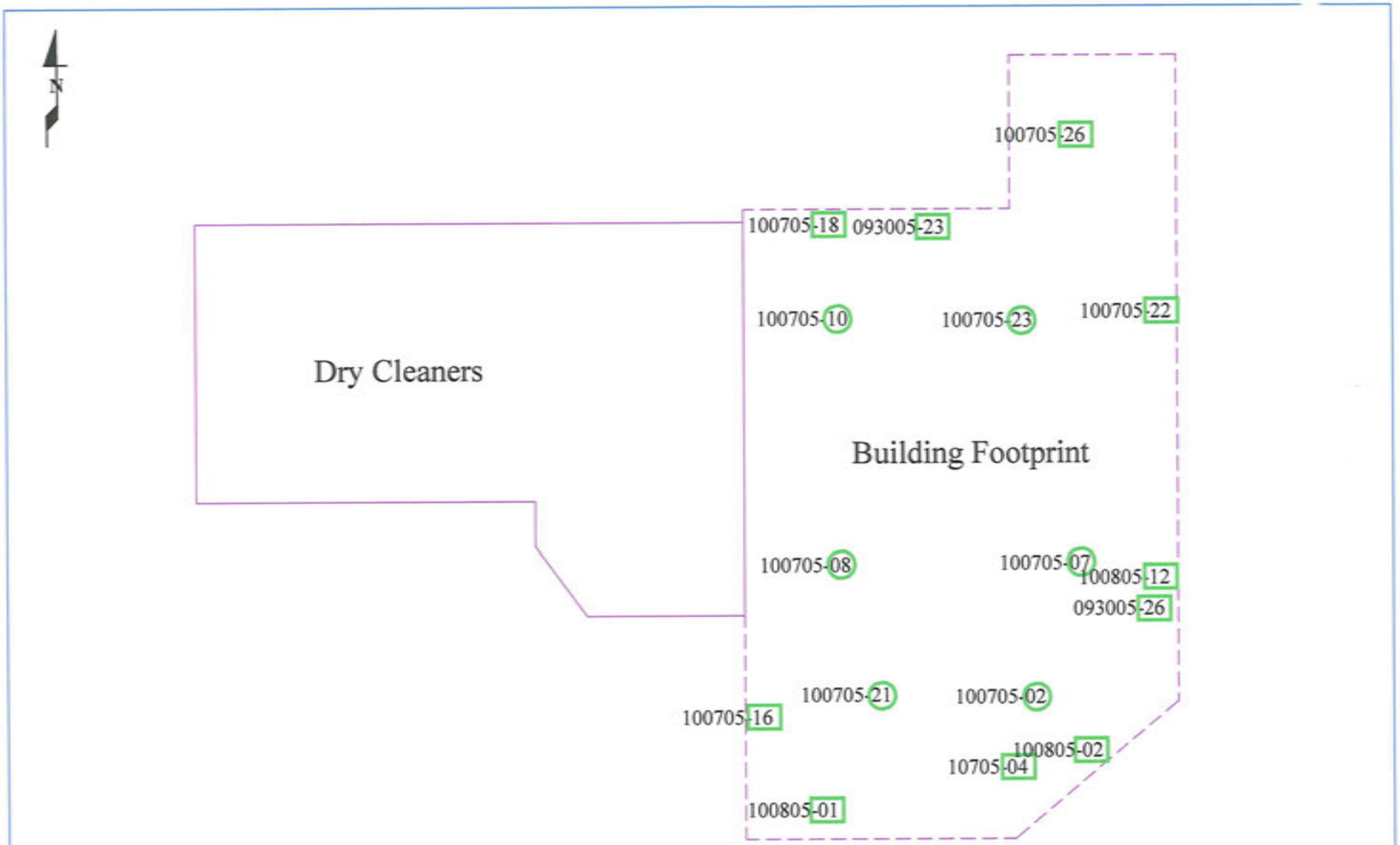
Bottom Locations: 100805-##
Sidewall Locations: 100805-##
Results <MTCA CUL:
Scale: NTS

Figure 5
Sample Locations Map

Westpark Shopping Center
Yakima, Washington

Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901
Phone (509) 574-0839 Fax (509) 575-8453

Drawn by: AMP	Project Number: 05-942
Date: 01/11/2006	File Name: Dry Cleaners Site Soils



Legend

Sample Locations: Date-(##)

Scale: NTS

Figure 6
Composite Summary of Final Sampling Locations Map

Westpark Shopping Center
Yakima, Washington

Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901
Phone (509) 574-0839 Fax (509) 575-8453

Drawn by: AMP	Project Number: 05-942
Date: 01/11/2006	File Name: Dry Cleaners Site Soils

Appendix A

Professional Certifications

Institute of Hazardous Materials Management

Certifies that

Peggy S. Williamson

has successfully met all requirements of education,
experience and examination, and is hereby designated a

Certified Hazardous Materials Manager

May 1993	*04189*	*May 31, 2014*	
Certified	Number	Expiration Date	Executive Director

Valid so long as this credential is renewed according to schedule and is not otherwise revoked.

INTERNATIONAL CODE COUNCIL

PEGGY M WILLIAMSON

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

WASHINGTON STATE SITE ASSESSMENT

given this day of December 11, 2004

Frank P. Hodge Jr.

Frank P. Hodge Jr.
President, ICC Board of Directors

James R. Witt

James L. Witt
ICC Chief Executive Officer

1035195-U7
Certificate Number

ICC
INTERNATIONAL CODE COUNCIL®

Region X OSHA Training Institute
Education Center

Certificate of Completion

Peggy Sue Williamson
has met the online course completion requirements for
Hazardous Waste Operations and Emergency Response 8-Hour Refresher

This student has spent the amount of time listed below towards the annual refresher requirements in OSHA 29 CFR 1910.120 (a)-(q), Hazardous Waste Operation and Emergency Response. If the Course Time shown is less than 8:00 hours, there should be a supervisor's signature on this certificate. This signature indicates that the student has had supplemental training that, together with this course, meets the 8-hour training requirement.

Certificate ID:	103044	**Date:**	13 December 2004
Continuing Education Units:	0.8	**Time Online:**	16:42

On-site Supervisor's Signature:

X _____ Date: _____

Region X OSHA Training Institute Education Center
4226 Roosevelt Way NE,
Suite 100
Seattle WA 98105-6099
http://www.regionxoti.org
(800) 326-7568

This education program meets the Criteria for Certification established by the Authorized Provider Commission of the International Association for Continuing Education and Training, 1200 19th St., NW, Suite 300, Washington, DC 20036-2401.

Region X OSHA Training Institute Education Center
University of Washington

IACET

STATE OF WASHINGTON

DEPARTMENT OF LICENSING – BUSINESS AND PROFESSIONS DIVISION

THIS CERTIFIES THAT THE PERSON NAMED HEREON IS AUTHORIZED, AS PROVIDED BY LAW, AS A

GEOLOGIST
HYDROGEOLOGIST

TRAVIS LYLE TRENT
FULCRUM ENVIRONMENTAL CONSULT.
207 WEST BOONE AVENUE
SPOKANE WA 99201

Cert/Lic No.	Issued Date	Expiration Date
364	01/08/2002	06/06/2008

Elizabeth A. Luce
Director

PL-630-159 (R/2/04)

INTERNATIONAL CODE COUNCIL

RYAN K MATHEWS

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

WASHINGTON STATE SITE ASSESSMENT

given this day of August 2, 2003

Paul E Myers
President, ICC Board of Directors

James L. Witt
ICC Chief Executive Officer

5071810-U7
Certificate Number

ICC
INTERNATIONAL CODE COUNCIL®

Region X OSHA Training Institute Education Center

Certificate of Completion

Ryan K Mathews

has met the online course completion requirements for

Hazardous Waste Operations and Emergency Response 8-Hour Refresher

This student has spent the amount of time listed below towards the annual refresher requirements in OSHA 29 CFR 1910.120 (a)-(q), Hazardous Waste Operation and Emergency Response. If the Course Time shown is less than 8:00 hours, there should be a supervisor's signature on this certificate. This signature indicates that the student has had supplemental training that, together with this course, meets the 8-hour training requirement.

Certificate ID:	77947	**Date:**	16 February 2004
Continuing Education Units:	0.8	**Time Online:**	5:48

On-site Supervisor's Signature:

X _____ Date: 2/23/04

Region X OSHA Training Institute Education Center
University of Washington

Region X OSHA Training Institute Education Center
4225 Roosevelt Way NE,
Suite 100
Seattle WA 98105-6099
http://www.regionxoti.org
(800) 326-7568

This education program meets the Criteria for Certification established by the Authorized Provider Commission of the International Association for Continuing Education and Training, 1200 19th St., NW, Suite 300, Washington, DC 20036-2401.

IACET

State of Oregon

Board of Geologist Examiners

Hereby Certifies That

Brianne D. Harcourt

Is a Geologist-in-Training

As Authorized Under Oregon Revised Statute Chapter 672.

In Testimony Thereof, Certificate Number T2025

Has Been Issued this 4th Day of May 2004.

Geologist Examiners Board

_____, Chairperson

INTERNATIONAL CODE COUNCIL

BRIANNE D HARCOURT

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination(s) based on codes and standards then in effect, and is hereby issued this certification as:

WASHINGTON STATE SITE ASSESSMENT

given this day of November 15, 2003

Anne R. vonWeller
President, ICC Board of Directors

5223683-U7
Certificate Number

James L. Witt
ICC Chief Executive Officer

ICC
INTERNATIONAL CODE COUNCIL®

THE NATIONAL

ENVIRONMENTAL TRAINERS

certify that

Brianne Harcourt

has satisfactorily passed an exam and completed an 8-hour annual refresher training course entitled

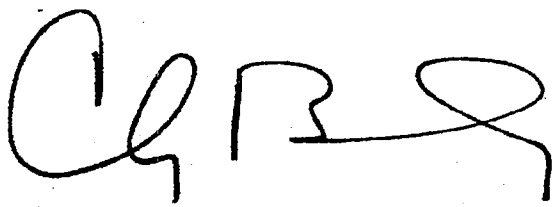
"Hazardous Waste Operations and Emergency Response"

meeting the requirements identified in Title 29 CFR 1910.120. This course has been awarded 1.0 Industrial Hygiene CM Points by the American Board of Industrial Hygiene-Approval Number 13334. This course is also eligible for .66 Continuance of Certification (COC) points from the Board of Certified Safety Professionals.

NATIONAL ENVIRONMENTAL TRAINERS

August 18, 2004

Signature of Instructor



Clay Bednarz, MS, CHMM (No. 3482)

Appendix B

Laboratory Results – Initial Investigation

August 8, 2005

FULCRUM
ENVIRONMENTAL CONSULTING, INC.

Jay and Jean Sentz
Westpark Properties
118 Gilbert Drive
Yakima, Washington 98902

RE: Limited Soil Screening Investigation - Westpark Dry Cleaners

Dear Jay and Jean:

Thank you for the opportunity to prepare this summary of a Limited Soil Screening Investigation of the dry cleaning operation as part of your pending site development at the Westpark Shopping Center (Westpark), located at 4001 Summitview Avenue, in Yakima, Washington. Fulcrum Environmental Consulting, Inc. (Fulcrum) developed a site specific sampling plan to evaluate potential for impact from historic dry cleaning operations. Following is a summary of the site investigation.

Background

A review of site development and use identified presence of a dry cleaning operation at the Westpark site since about 1965. Fulcrum's independent review of site history, including historic property appraisals provided by the Sentz, indicates that the building that houses the current dry cleaners was not present in either the 1958 or 1963 appraisal documents.

Fulcrum's limited site investigation has identified three separate owners of the dry cleaning business, Krauthammer, Morrison, and Armstrong (current site operator). Research indicates that each of the three owners have utilized tetrachloroethlene, referred to as perchloroethylene, PCE or PERC. John Armstrong, the current operator, has conducted site operations since 1980. Mr. Armstrong stated that he replaced the site dry cleaning machines shortly after he acquired the business.

Site Investigation

Ryan Mathews of Fulcrum conducted the preliminary historical review and site investigation prior to the onsite sampling activities. Based on the review, five locations were selected as being representative of historic conditions and appropriate for the screening level assessment. Three locations were selected outside the structure: two to the south and one to the north. Two locations were selected in the interior of the structure: one to the southeast and one to the northwest.

On July 26, 2005, Ryan Mathews and Peggy Williamson of Fulcrum conducted the subsurface screening investigation. At each location the surface finish materials of either concrete or asphalt were removed using a concrete core cutting machine prior to sample collection. Soil samples were obtained by direct collection from an AMS-brand stainless steel split core sampler. The hand auger was cleaned with Liquinox™, a phosphate free cleaner, and distilled water between sampling locations.

Consistent with the Washington State Department of Ecology (Ecology) sampling guidelines, samples were collected from the split core sampler using new nitrile gloved hands and a disposable impinger sampler to minimize disruption of the soil and loss of volatile compounds. Ecology guidelines require

115 NORTH 2ND STREET ▲ SUITE A
YAKIMA, WASHINGTON 98901-2361
PHONE: (509) 574-0839 ▲ FAX: (509) 575-8453
www.cfulcrum.net

placement of an impinger collected soil sample into a 40-milliliter (mL) glass volatile organic analysis (VOA) vials for chemical preservation and analysis. At all locations, small cobbles and gravels were sorted from the sample prior to sample collection. Three subsamples, consisting of impinger 40-mL VOA vials, were collected at each sample location.

Samples were labeled with the sample location identification and then with the approximate sampling depth. Collected samples were packaged on ice and delivered via common carrier under chain-of-custody to Libby Environmental, LLC located in Lacey, Washington. Laboratory analytical results are attached. The following table summarizes laboratory results.

Table 1: Sample Analysis Results

Sample Number and Description	Analyte and Results (ppm[1])				
	Vinyl Chloride	Cis-1,2 DCE	Trans-1,2 DCE	Trichloroethene	Tetrachloroethene
01-3.0 Southeast exterior corner, through asphalt ~3 feet (ft) below ground surface (BGS)	ND	ND	ND	ND	ND
02-2.0 Southwest exterior corner, through concrete sidewalk ~2 ft bgs	ND	ND	ND	ND	ND
03-3.5 Northeast exterior near CMU wall, through asphalt, ~3.5 ft bgs	ND	ND	ND	ND	**1.07**
04-3.0 Southeast interior, south of patrician, through concrete, ~3 ft bgs	ND	ND	ND	ND	**3.33**
05-3.0 North center interior, near floor drain, through concrete, ~3 ft bgs	ND	ND	ND	ND	**10.9**
Soil Cleanup Levels (ppm)	**0.067[2]**	**1.10[2]**	**800[2]**	**2.0[3]**	**0.05[3]**

1 Parts per million 2 MTCA Method B 3 MTCA Method A ND = None Detected

The screening level soil assessment indicates that tetrachloroethene, also referred to as perchloroethane, is present in soil beneath the building concrete floor and north asphalt area above Ecology's Model Toxics Control Act (MTCA) Method A guidelines for unrestricted landuse. Vinyl chloride, Cis-1,2 DCE, Trans-1,2 DCE, and Trichloroethene are daughter products or typical chlorinated solvent contaminates that are often identified at dry cleaner sites.

Summary

The Site Screening Investigation confirmed presence of tetrarchloroethene in soil beneath the building concrete floor and north asphalt area at three separate locations. Additional investigation would be necessary to determine the horizontal and vertical extent of contamination.

If you have any questions, please feel free to call me at 574-0839.

Sincerely,

Ryan K. Mathews, Project Manager
Fulcrum Environmental Consulting, Inc.

Attachments

Libby Environmental, LLC

4139 Libby Road N.E., Olympia, WA 98506-2518

July 29, 2005

Ryan Mathews
Fulcrum Environmental Consulting, Inc.
222 N. 2nd St.,
Suite A
Yakima, WA 98901

Dear Mr. Mathews:

Please find enclosed the analytical data report for the West Park Drycleaners Project located in Yakima, Washington. Soil samples were analyzed for Selected VOC's by EPA Method 8021b on July 28, 2005

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 * Fax (360) 352-4154 * libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WESTPARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	Trichloroethene (mg/kg)	Tetrachloroethene (mg/kg)	Surrogate Recovery (%)
Method Blank	7/28/05	nd	nd	nd	nd	nd	113
LCS	7/28/05				110%		93
01-3.0	7/28/05	nd	nd	nd	nd	nd	96
02-2.0	7/28/05	nd	nd	nd	nd	nd	114
02-2.0 Dup	7/28/05	nd	nd	nd	nd	nd	73
03-3.5	7/28/05	nd	nd	nd	nd	1.07	72
04-3.0	7/28/05	nd	nd	nd	nd	3.33	98
05-3.0	7/28/05	nd	nd	nd	nd	10.9	92
01-3.0 MS	7/28/05				90%		94
Practical Quantitation Limit		0.02	0.05	0.05	0.05	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum Environmental Consulting, Inc.
ADDRESS: 222 N. 2nd St, Ste A
PHONE: 509 574-0839 FAX: 509 575-8453
CLIENT PROJECT #: 05-942 PROJECT MANAGER: R. Mathews

DATE: 7/26/05 PAGE 1 OF 1
PROJECT NAME: Westpark Dry Cleaners
LOCATION: Yakima, WA
COLLECTOR: R Mathews/P Williamson DATE OF COLLECTION

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-DxExt.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	IPH	Turbidity	Oil & Grease	Zinc	Metals	PCE/TCE/DCE/VC	NOTES	Total Number of Containers	Laboratory Note Number
1. 01-3.0		9:47	Soil	3-40mlVW/1-4oz Jar																			X				
2. 02-2.0		11:07																					X				
3. 03-3.5		11:45																					X				
4. 04-3.0		11:10																					X				
5. 05-3.0		11:26																					X				
6.																											
7.																											
8.																											
9.																											
10.																											
11.																											
12.																											
13.																											
14.																											
15.																											
16.																											
17.																											
18.																											

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	7/26/05 3:45pm	Fulcrum	7/27/05 Noon
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:
preserved w/ MeOH 7-28-05 SLC

Turn Around Time: 24 HR (48 HR) 5 DAY

Appendix C

Site-specific Safety and Health Plan

Draft

SITE HEALTH AND SAFETY PLAN
Westpark Properties
North 40th Avenue/Summitview Avenue
Yakima, Washington

Prepared by:
Fulcrum Environmental Consulting, Inc.
222 North Second Street, Suite A
Yakima, Washington 98901
(509) 574-0839

September 29, 2005
Fulcrum Project Number: 05-942

1.0 GENERAL PROJECT INFORMATION AND DESCRIPTION OF ACTIVITIES

1.1 Description of Activities

The purpose of this project is to remove impacted soil from an area located at approximately northwest of the intersection of North 40th Avenue and Summitview Avenue in Yakima, Washington. Soil has been impacted by tetrachloroethylene (PCE), a chlorinated solvent used frequently in the dry cleaning industry. PCE was identified in soil beneath and adjacent to dry cleaning operations located west of the site. Recently, the site building was demolished, and site soils were sampled and tested for PCE. Laboratory analytical results identified PCE to a depth of 8-feet. Scope of services includes project oversight, including observing and directing soil removal activities, conducting an onsite investigation to identify the extent of PCE impact, collection of soil samples, documentation of excavation limits, sample locations, soil conditions, and final site reporting summarizing project activities. Westpark Properties will provide a crew and equipment necessary for the excavation and removal of contaminated soil.

1.3 Site Location and Description

From Yakima, Washington, take Yakima Avenue/Summitview Avenue west toward West Valley. Turn north into the parking lot and associated strip mall, approximately 1,000-feet west of the intersection of Summitview Avenue/40th Avenue. Also see the attached map.

1.4 Contact List

Fulcrum's Office	Peggy Williamson, President	(509) 574-0839
Fulcrum Site Health & Safety Officer and Field Services Person	Ryan Mathews, Field Manager	(509) 728-2424 cell
Client Contact	Jay Sentz, Westpark Properties	(509) 248-1635

1.5 Proposed Start Date: September 29, 2005

1.6 Overall Hazard Ranking: Low

2.0 GENERAL SITE SAFETY

All work shall be performed in compliance with Title 29 of the Code of Federal Regulations (CRF), Part 1910 (29 CFR, General Industry Standards), 29 CFR 1926 (Construction Industry Standards), Washington Administrative Code (WAC) 296-24, WAC 296-62, WAC 296-155, WAC 296-800, and other applicable federal, state, and local Health and Safety Laws. In addition, all personnel will not jeopardize the health and safety of themselves or others, or any property, during the course of this investigation.

During onsite operations, each person will be responsible for their own safety. If at any time a site attendant identifies a concern he/she shall alert the Site Safety and Health Officer and request a stoppage of site activities until a review of the situation can be completed.

3.0 SITE INFORMATION

3.1 Planned Duration of Activities

It is anticipated that soil removal activities will require no more than one 8-hour day.

3.2 Site Accessibility

The site is northwest of 40th Avenue and Summitview Avenue, approximately 3 miles west of Yakima, Washington.

4.0 SITE SPECIFIC SAFETY AND HEALTH HAZARDS

4.1 Physical Hazards

Workers engaged in strenuous activities are prone to illness due to environmental exposures such as heat or cold. During periods of cold weather, personnel should take measures to prevent hypothermia and frost bite. Layering clothing enables personnel to adjust to changing environmental temperatures and exertion generated body heat. Additionally, the presence of wind can increase the risk of cold exposure. Whenever feasible, site personnel will seek shelter from the wind, such as in a building or vehicle, during rest periods.

The possibility of heat related illnesses are increased when protective clothing is donned. Site personnel are encouraged to drink at least 16 ounces of water before work and at least 8 ounces of water/hour throughout the day. Resting periods should be increased throughout the day if temperatures are above 82 degrees. Also, personnel should rest in a cool area after drinking water to allow body temperature to cool down. All personnel on-site should be aware of the various symptoms and treatments of heat exposure.

Heavy equipment hazards include the possibility of coming in contact with utilities such as pressurized natural gas lines and overhead electrical lines. Workers need to be aware of personnel, equipment, and machinery limitations. Operators need to be aware of the location of other workers. At a minimum, work boots, appropriate clothing, protective gloves, and safety glasses/goggles must be worn by all personnel when in close proximity sampling. When site conditions dictate hard hats may also be required.

Machinery and heavy equipment can emit strong sound waves capable of creating permanent hearing damage to those in close proximity. Personnel must wear hearing protection, such as earplugs or earmuffs while near operating machinery and heavy equipment.

5.0 ENVIRONMENTAL AND PERSONNEL PROTECTION

5.1 Personnel and Environmental Monitoring

PCE is the hazardous chemical of concern at the site. Effects resulting from acute, inhalation exposure of humans to PCE vapors include irritation of the upper respiratory tract and eyes, kidney dysfunction, and at lower concentrations, neurological effects, such as reversible mood and behavioral changes, impairment of coordination, dizziness, headache, sleepiness, and unconsciousness. PCE is a nonflammable, colorless liquid, with a sharp, sweet odor. Because PCE cannot be detected by mechanical means, measures shall be taken to suppress dust levels at the site.

5.2 Personal Protection

All activities are to be conducted in Level D personnel protective equipment (PPE). Site-specific conditions include equipment and machinery. All personnel will take those precautions necessary to prevent injury when near equipment and machinery. All personnel will be required, at a minimum, to use Level D PPE. Personnel observing activities shall maintain a safe distance when choosing to forego PPE. Level D PPE will consist of hard-hats, safety glasses, work boots, work clothes, and gloves. Sampling personnel are to have onsite Level C PPE (full or 1/2 face Air Purifying Respirators, safety glasses, and nitrile gloves) should site conditions change. Air purifying respirators will be equipped with HEPA and organic vapor filters.

Action levels are defined as the concentration of a particular chemical or the level of a dangerous condition that mandates a change in personnel safety practices on-site. Air monitoring for action levels will be performed in the breathing zone of site workers. Action levels and response actions for the site are listed in Table 1.

5.3 Environmental Delineation

Should site conditions warrant, an environmental delineation will be achieved through the set-up and maintenance of an exclusion zone surrounding the excavation area. The only access to the exclusion zone will be through a decontamination corridor. All personnel and equipment that enters the exclusion zone must be decontaminated prior to leaving the exclusion zone. Disposable or heavily soiled equipment will be deposited and contained in marked containers within the exclusion zone for later disposal.

5.4 Training Requirements

All personnel involved in sampling activities onsite in which the potential for chemical exposure ~~or physical exertion exists~~ must be enrolled in an active medical monitoring program and have completed their 40-hour Hazardous-Materials and Safety course.

6.0 EMERGENCY RESPONSE

FIRE: 911
POLICE: 911
HOSPITAL: Memorial Hospital
2811 Tieton Drive
Yakima, Washington 98902
(509) 575-8000

POISON CONTROL CENTER: 1-800-572-5842

EXPLOSIVE UNIT: 911

DIRECTIONS TO HOSPITAL: See attached details and map.

ADDITIONAL INFORMATION RELATING TO PCE AND ITS HEALTH AND ENVIRONMENTAL EFFECTS ARE ATTCHED TO THIS HEALTH AND SAFETY PLAN.

West Park Properties

I have read the above Health and Safety Plan for ~~Roza Dam~~ soil removal activities, Fulcrum project number 05-~~864~~ 942. I am aware of the risks associated with this project as discussed both verbally and as stated in the aforementioned Health and Safety plan, and will perform in a manner to decrease the risk of bodily injury to myself or others; property damage; or negatively impact the environment.

Name (print)	Signature	Date	Company
TRCV13 Trent		9-29-05	Fulcrum
Jim Sedge		9/29/05	KLE (Ken Leingang)
Richard M Iff		9-29-05	KLE " "
Jose a Rodriguez		9-29-05	KLE
Maria L Martinez		9-29-05	KCE
		9-29-05	KLE
Jim Sedge		9-30-05	KLE
A. Don Dowdy		9-30-05	KLE
		9-30-05	Fulcrum
Jose a Rodriguez		9-30-05	K.L.E

MAPQUEST

START Yakima, WA US

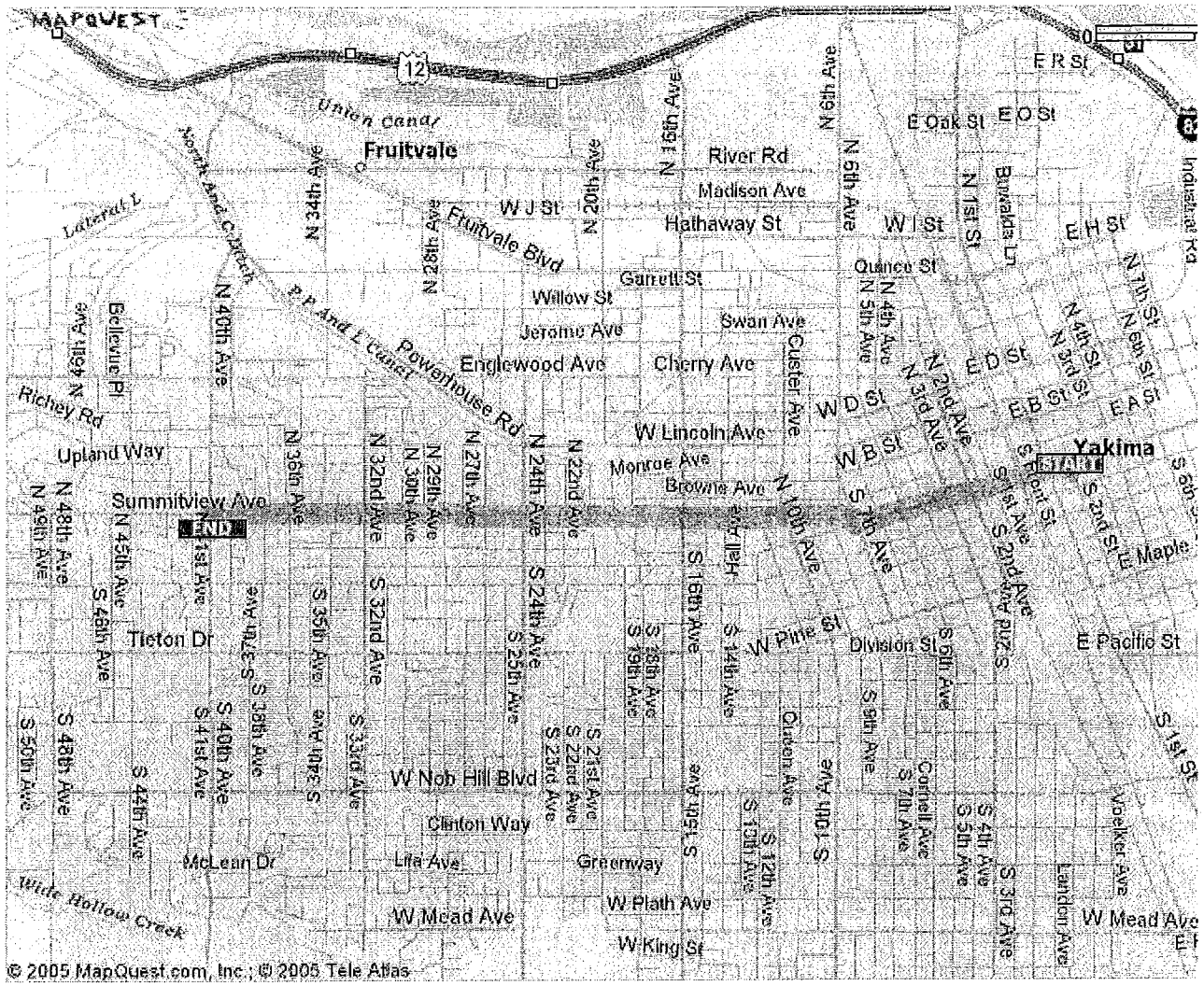
END **N 40th Ave & Summitview Ave**
Yakima, WA 98908, US

Total Est. Time:
7 minutes

Total Est. Distance:
2.80 miles

Maneuvers	Distance
START **1:** Start out going NORTH on S 2ND ST toward E YAKIMA AVE.	<0.1 miles
2: Turn LEFT onto E YAKIMA AVE.	0.7 miles
3: Turn RIGHT onto SUMMITVIEW AVE.	<0.1 miles
4: Turn SLIGHT LEFT to stay on SUMMITVIEW AVE.	2.0 miles
END **5:** End at **N 40th Ave & Summitview Ave** Yakima, WA 98908, US	

Total Est. Time: 7 minutes **Total Est. Distance:** 2.80 miles



These directions are informational only. No representation is made or warranty given as to their content, road conditions or route usability or expeditiousness. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.

Web Offers:

- Schools
- Real Estate
- Hotels
- Condos
- Insurance
- Apartments
- Home Mortgages
- Rental Cars
- Bed and Breakfast
- New Cars
- Homes for Sale
- Jobs
- Travel
- Airline Tickets
- Digital Camera

MAPQUEST.

START **N 40th Ave & Summitview Ave**
Yakima, WA 98908, US

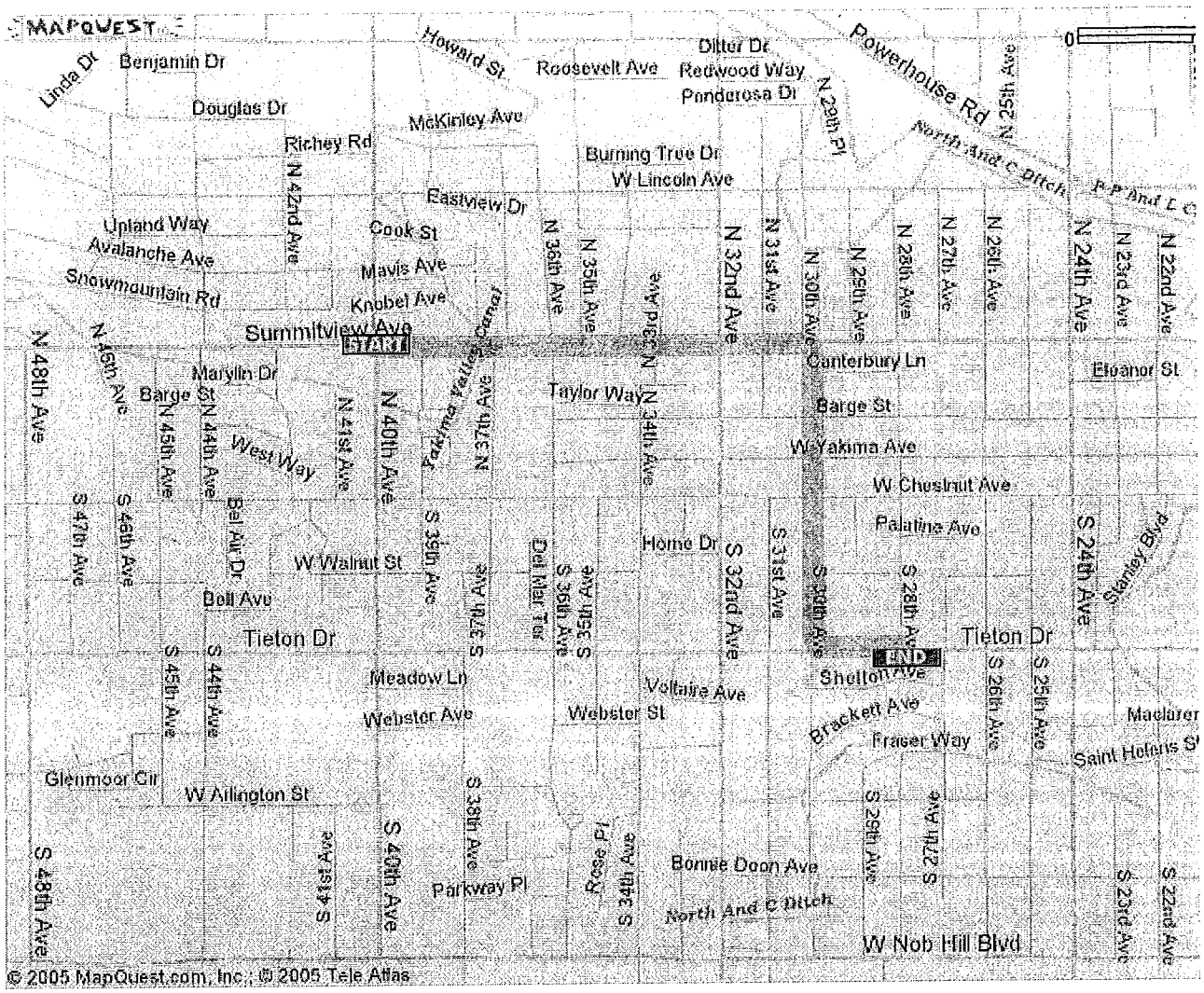
END **Memorial Hospital:**
509-575-8000
2811 Tieton Dr, Yakima, WA 98902, US

Total Est. Time:
4 minutes

Total Est. Distance:
1.25 miles

Maneuvers	Distance
START **1:** Start out going EAST on SUMMITVIEW AVE toward N 39TH AVE.	0.6 miles
2: Turn RIGHT onto N 30TH AVE.	0.4 miles
3: Turn LEFT onto TIETON DR.	0.1 miles
END **4:** End at **Memorial Hospital** 2811 Tieton Dr, Yakima, WA 98902, US	

Total Est. Time: 4 minutes **Total Est. Distance:** 1.25 miles



These directions are informational only. No representation is made or warranty given as to their content, road conditions or route usability or expeditiousness. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.

Web Offers:

- Schools
- Real Estate
- Hotels
- Condos
- Insurance
- Apartments
- Home Mortgages
- Rental Cars
- Bed and Breakfast
- New Cars
- Homes for Sale
- Jobs
- Travel
- Airline Tickets
- Digital Camera

OPPT Chemical Fact Sheet EPA 749-F-94-020

CHEMICALS IN THE ENVIRONMENT: PERCHLOROETHYLENE (CAS NO. 127-18-4)

prepared by
OFFICE OF POLLUTION PREVENTION AND TOXICS
U.S. ENVIRONMENTAL PROTECTION AGENCY
August 1994

Chemicals can be released to the environment as a result of their manufacture, processing, and use. EPA has developed information summaries on selected chemicals to describe how you might be exposed to these chemicals, how exposure to them might affect you and the environment, what happens to them in the environment, who regulates them, and whom to contact for additional information. EPA is committed to reducing environmental releases of chemicals through source reduction and other practices that reduce creation of pollutants.

WHAT IS PERCHLOROETHYLENE, HOW IS IT USED, AND HOW MIGHT I BE EXPOSED?

Perchloroethylene (also called PERC) is a colorless, nonflammable liquid. It does not occur naturally but is produced in large amounts (310 million pounds in 1991) by three companies in the United States. US demand for PERC declined about 35% from 1989 to 1991, and is likely to continue to fall. Solvent recycling and reduced demand for chlorofluorocarbons are major reasons for this trend. The largest US user of PERC is the dry cleaning industry. It accounts for 80% to 85% of all dry cleaning fluid used. Textile mills, chlorofluorocarbon producers, vapor degreasing and metal cleaning operations, and makers of rubber coatings also use PERC. It can be added to aerosol formulations, solvent soaps, printing inks, adhesives, sealants, polishes, lubricants, and silicones. Typewriter correction fluid and shoe polish are among the consumer products that can contain PERC.

Exposure to perchloroethylene can occur in the workplace or in the environment following releases to air, water, land, or groundwater. Exposure can also occur when people:

* use products containing PERC,
* spend time in dry cleaning facilities that use PERC,
* live above or adjacent to these dry cleaning facilities, or
* bring dry cleaned garments into their home.

PERC enters the body when breathed in with contaminated air or when consumed with contaminated food or water. It is less likely to be absorbed through skin contact. Once in the body PERC can remain, stored in fat tissue.

WHAT HAPPENS TO PERCHLOROETHYLENE IN THE ENVIRONMENT?

Perchloroethylene evaporates when exposed to air. It dissolves only slightly when mixed with water. Most direct releases of PERC to the environment are to air. It also evaporates from water and soil exposed to air. Once in air, PERC breaks down to other chemicals over several weeks. Because it is a liquid that does not bind well to soil, PERC that makes its way into the ground can move through the ground and enter groundwater. Plants and animals living in environments contaminated with PERC can store small amounts of the chemical.

HOW DOES PERCHLOROETHYLENE AFFECT HUMAN HEALTH AND THE ENVIRONMENT?

Effects of perchloroethylene on human health and the environment depend on the amount of PERC present and the length and frequency of exposure. Effects also depend on the health of a person or the condition of the environment when exposure occurs.

Breathing PERC for short periods of time can adversely affect the human nervous system. Effects range from dizziness, fatigue, headaches and sweating to incoordination and unconsciousness. Contact with PERC liquid or vapor irritates the skin, the eyes, the nose, and the throat. These effects are not likely to occur at levels of PERC that are normally found in the environment.

Breathing perchloroethylene over longer periods of time can cause liver and kidney damage in humans. Workers exposed repeatedly to large amounts of PERC in air can also experience memory loss and confusion. Laboratory studies show that PERC causes kidney and liver damage and cancer in animals exposed repeatedly by inhalation and by mouth. Repeat exposure to large amounts of PERC in air may likewise cause cancer in humans.

Perchloroethylene by itself is not likely to cause environmental harm at levels normally found in the environment. PERC can contribute to the formation of photochemical smog when it reacts with other volatile organic carbon substances in air. These reactions tend to eliminate PERC before it reaches the upper atmosphere in amounts sufficient to damage the ozone layer.

WHAT EPA PROGRAM OFFICES REGULATE PERCHLOROETHYLENE, AND UNDER WHAT LAWS IS IT REGULATED?

EPA OFFICE	LAW	PHONE NUMBER
Pollution Prevention & Toxics	Toxic Substances Control Act	(202) 554-1404
	Emergency Planning and Community Right-to-Know Act (EPCRA) Regulations (Sec. 313)	(800) 424-9346
	Toxics Release Inventory data	(202) 260-1531
Air	Clean Air Act	(919) 541-0888
Solid Waste & Emergency Response	Comprehensive Environmental Response, Compensation, and Liability Act (Superfund)/ Resource Conservation and Recovery Act / EPCRA (Sec. 304/311/312)	(800) 424-9346
Water	Clean Water Act	(202) 260-7588
	Safe Drinking Water Act (Drinking Water Standard: 0.005 mg/L)	(800) 426-4791

A technical support document can be requested from the TSCA Assistance Information Service, (202) 554-1404.

WHAT OTHER FEDERAL AGENCIES OR GROUPS CAN I CONTACT FOR INFORMATION ON PERCHLOROETHYLENE?

AGENCY/GROUP	PHONE NUMBER
Agency for Toxic Substances and Disease Registry	(404) 639-6000

American Conference of Governmental Industrial Hygienists	(513) 742-2020
Consumer Product Safety Commission	(301) 504-0994
Food and Drug Administration	(301) 443-3170
National Institute for Occupational Safety and Health (NIOSH)	(800) 356-4674
Occupational Safety and Health Administration (Check your local phone book under U.S. Department of Labor)	

Rules & Implementation
National-Scale Air Toxics Assessment
Urban, Great Waters, Regional Programs
Education & Outreach
About Air Toxics
Pollutants & Sources
State, Local, Tribal Resources
Publications
Contacts
Technical Resources
ATW Home
TTN Home

Tetrachloroethylene (Perchloroethylene)

127-18-4

Hazard Summary-Created in April 1992; Revised in January

Tetrachloroethylene is widely used for dry-cleaning fabrics and metal degreasing operations. The main effects of tetrachloroethylene in humans are neurological, liv kidney effects following acute (short-term) and chronic (long-term) inhalation expos Adverse reproductive effects, such as spontaneous abortions, have been reported occupational exposure to tetrachloroethylene; however, no definite conclusions cai made because of the limitations of the studies. Results from epidemiological studi dry-cleaners occupationally exposed to tetrachloroethylene suggest increased risk several types of cancer. Animal studies have reported an increased incidence of li cancer in mice, via inhalation and gavage (experimentally placing the chemical in t stomach), and kidney and mononuclear cell leukemia in rats. In the mid-1980s, EF considered the epidemiological and animal evidence on tetrachloroethylene as intermediate between a probable and possible human carcinogen (Group B/C). Th Agency is currently reassessing its potential carcinogenicity.

Please Note: The main sources of information for this fact sheet are EPA's Integrated Ris Information System (IRIS), which contains information on oral chronic toxicity and the RfD the Agency for Toxic Substances and Disease Registry's (ATSDR's) *Toxicological Profile Tetrachloroethylene*. Another secondary source is EPA's *Health Effects Assessment for Tetrachloroethylene*.

Uses

- Tetrachloroethylene is used for dry cleaning and textile processing, as a chemical intermediate, and for vapor degreasing in metal-cleaning operations. (1)

Sources and Potential Exposure

- Prior to 1981, tetrachloroethylene was detected in ambient air at average levels of parts per billion (ppb) in rural and remote areas, 0.79 ppb in urban and suburban a and 1.3 ppb in areas near emission sources. (1)
- Tetrachloroethylene has also been detected in drinking water; one survey prior to ' water supplies from groundwater sources reported a median concentration of 0.75 the samples in which tetrachloroethylene was detected, with a maximum level of 6 (1)
- Occupational exposure to tetrachloroethylene may occur, primarily in dry cleaning establishments and at industries manufacturing or using the chemical. (1)

Assessing Personal Exposure

- Tetrachloroethylene can be measured in the breath, and breakdown products of tetrachloroethylene can be measured in the blood and urine. (1)

Health Hazard Information

Acute Effects:

- Effects resulting from acute, inhalation exposure of humans to tetrachloroethylene include irritation of the upper respiratory tract and eyes, kidney dysfunction, and at concentrations, neurological effects, such as reversible mood and behavioral chan impairment of coordination, dizziness, headache, sleepiness, and unconciousness
- Animal studies have reported effects on the liver, kidney, and central nervous syste (CNS) from acute inhalation exposure to tetrachloroethylene. (1)
- Acute animal tests in mice have shown tetrachloroethylene to have low toxicity fror inhalation and oral exposure. (1)

Chronic Effects (Noncancer):

- The major effects from chronic inhalation exposure to tetrachloroethylene in humar neurological effects, including sensory symptoms such as headaches, impairments cognititve and motor neurobehavioral functioning and color vision decrements. Otl effects noted in humans include cardiac arrhythmia, liver damage, and possible kic effects. (1,5)
- Animal studies have reported effects on the liver, kidney, and CNS from chronic inl exposure to tetrachloroethylene. (1,5)
- EPA has not established a Reference Concentration (RfC) for tetrachloroethylene.
- The Reference Dose (RfD) for tetrachloroethylene is 0.01 milligrams per kilogram b weight per day (mg/kg/d) based on hepatotoxicity in mice and weight gain in rats. T is an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily exposure to the human population (including sensitive subgroups) that is likely to b without appreciable risk of deleterious noncancer effects during a lifetime. It is not a estimator of risk, but rather a reference point to gauge the potential effects. At expc increasingly greater than the RfD, the potential for adverse health effects increases Lifetime exposure above the RfD does not imply that an adverse health effect woul necessarily occur. (4)
- EPA has medium confidence in the RfD based on low confidence in the study on w the RfD was based due to the lack of complete histopathological examination at th observed-adverse-effect level (NOAEL) in the mouse; and medium confidence in tl database because it is relatively complete but lacks studies of reproductive and ter endpoints subsequent to oral exposure. (4)
- ATSDR has calculated a chronic-duration inhalation minimal risk level (MRL) of 0.(per million (ppm) (0.3 milligrams per cubic meter, mg/m^3) for tetrachloroethylene b neurological effects in humans. The MRL is an estimate of the daily human exposu hazardous substance that is likely to be without appreciable risk of adverse noncar health effects over a specified duration of exposure. (1)
- Repeated skin contact may cause irritation. (1)

Reproductive/Developmental Effects:

- Some adverse reproductive effects, such as spontaneous abortions, menstrual dis altered sperm structure, and reduced fertility, have been reported in studies of wor occupationally exposed to tetrachloroethylene. However, no definitive conclusions made because of the limitations of the studies. (1)
- In one study of residents exposed to drinking water contaminated with tetrachloroe and other solvents, there was a suggestion that birth defects were associated with exposure. However, no firm conclusions can be drawn from this study due to multi

chemical exposures and problems with the analysis. (1)
- Increased fetal resorptions and effects to the fetus have been reported in animals e to high levels of tetrachloroethylene by inhalation. (1)

Cancer Risk:

- Epidemiological studies of dry cleaning workers exposed to tetrachloroethylene an solvents suggest an increased risk for a variety of cancers (esophagus, kidney, bla lung, pancreas, and cervix). These studies are complicated by potential exposure chemicals and personal lifestyle factors such as alcohol consumption and smoking not taken into account. (1,5,6)
- One human study reported that there was a potential association between drinking contaminated with tetrachloroethylene and other chemicals and an increased risk c childhood leukemia. The statistical significance of the incidence of leukemia has n resolved. (1)
- Animal studies have reported an increased incidence of liver tumors in mice, from inhalation and gavage (experimentally placing the chemical in the stomach) exposi kidney and mononuclear cell leukemias in rats, via inhalation exposure. (1,5,6)
- Less than 5 percent of absorbed tetrachloroethylene is metabolized by humans to trichloroacetic acid (TCA), with the remainder being exhaled unchanged. TCA is cl as a Group C, possible human carcinogen based on limited evidence of liver tumo mice (but not rats). (4,7)
- EPA does not currently have a classification for the carcinogenicity of tetrachloroet The International Agency for Research on Cancer (IARC) has classified tetrachloroethylene as probably carcinogenic to humans.
- EPA uses mathematical models, based on animal studies, to estimate the probabil person developing cancer from breathing air containing a specified concentration c chemical. EPA has calculated a provisional inhalation unit risk estimate of 5.8 × 1($(\mu g/m^3)^{-1}$. A provisonal value is one which has not received Agency-wide review. (
- EPA has calculated a provisional oral cancer slope factor of 0.051 $(mg/kg/d)^{-1}$. (5)

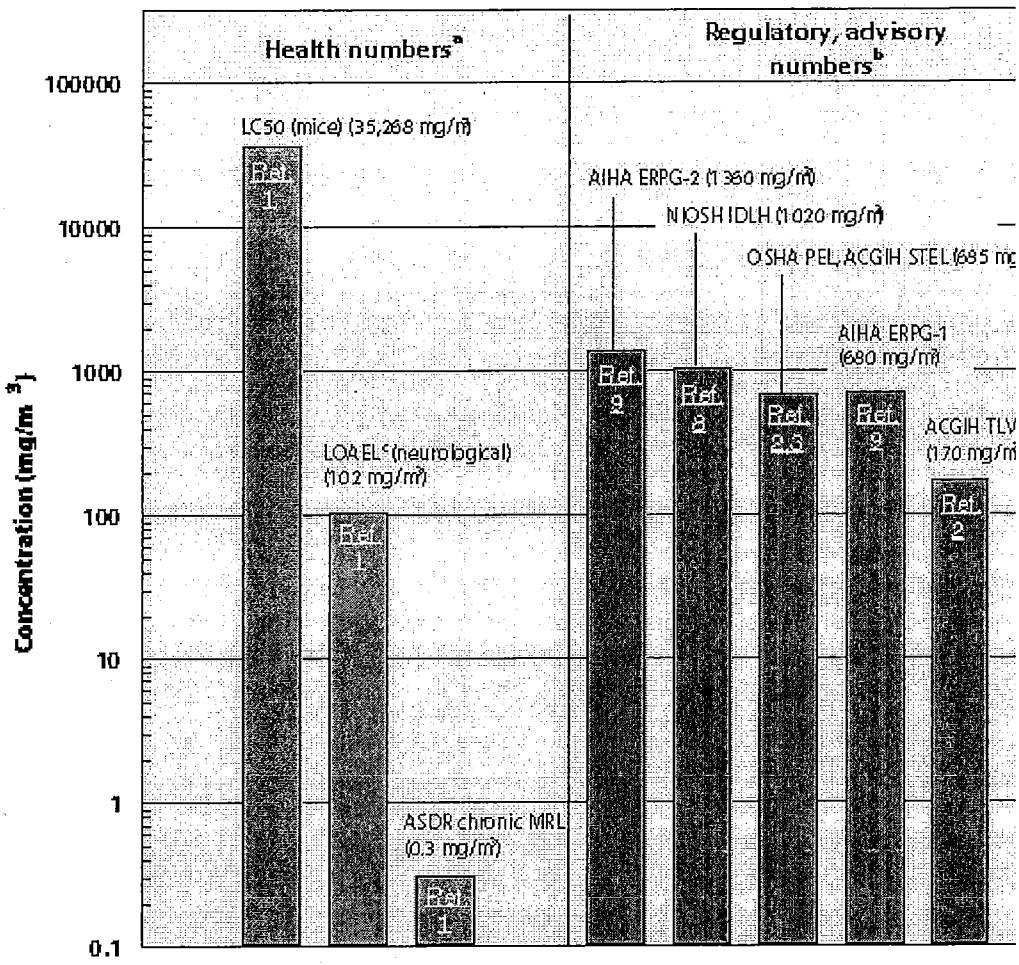
Physical Properties

- Tetrachloroethylene is a nonflammable colorless liquid with a sharp sweet odor; th threshold is 1 ppm. (1)
- The chemical formula for tetrachloroethylene is C_2Cl_4, and the molecular weight is g/mol. (1)
- The vapor pressure for tetrachloroethylene is 18.47 mm Hg at 25 °C, and it has a l octanol/water partition coefficient (log K_{ow}) of 3.40. (1)

Conversion Factors:
To convert concentrations in air (at 25°C) from ppm to mg/m^3: mg/m^3 = (ppm) × (molecul weight of the compound)/(24.45). For tetrachloroethylene: 1 ppm = 6.78 mg/m^3. To conv concentrations in air from $\mu g/m^3$ to mg/m^3: mg/m^3 = ($\mu g/m^3$) × (1 mg/1,000 µg).

Health Data from Inhalation Exposure

Tetrachloroethylene



AIHA ERPG--American Industrial Hygiene Association's emergency response planning guidelines. ERPG 1 is the maximum airborne concentration below which it is believed ne individuals could be exposed up to one hour without experiencing other than mild transier adverse health effects or perceiving a clearly defined objectionable odor; ERPG 2 is the maximum airborne concentration below which it is believed nearly all individuals could be exposed up to one hour without experiencing or developing irreversible or other serious h effects that could impair their abilities to take protective action.

ACGIH STEL--American Conference of Governmental and Industrial Hygienists' short-ter exposure limit; 15-min time-weighted-average exposure that should not be exceeded at a during a workday even if the 8-h time-weighted-average is within the threshold limit value

ACGIH TLV--American Conference of Governmental and Industrial Hygienists' threshold value expressed as a time-weighted average; the concentration of a substance to which r workers can be exposed without adverse effects.

LC_{50} (Lethal Concentration$_{50}$)--A calculated concentration of a chemical in air to which exposure for a specific length of time is expected to cause death in 50% of a defined experimental animal population.

NIOSH IDLH-- National Institute of Occupational Safety and Health's immediately danger life or health concentration; NIOSH recommended exposure limit to ensure that a worker escape from an exposure condition that is likely to cause death or immediate or delayed permanent adverse health effects or prevent escape from the environment.

OSHA PEL--Occupational Safety and Health Administration's permissible exposure limit expressed as a time-weighted average; the concentration of a substance to which most w can be exposed without adverse effect averaged over a normal 8-h workday or a 40-h wo

The health and regulatory values cited in this factsheet were obtained in December 1999.

[a] Health numbers are toxicological numbers from animal testing or risk assessment value developed by EPA.

[b] Regulatory numbers are values that have been incorporated in Government regulations advisory numbers are nonregulatory values provided by the Government or other groups advice. OSHA numbers are regulatory, whereas NIOSH, ACGIH, and AIHA numbers are advisory.

[c]The LOAEL is from the critical study used as the basis for the ATSDR chronic inhalation

References

1. Agency for Toxic Substances and Disease Registry (ATSDR). *Toxicological Profile Tetrachloroethylene (Update)*. U.S. Public Health Service, U.S. Department of Hea Human Services, Atlanta, GA. 1997.
2. American Conference of Governmental and Industrial Hygienists (ACGIH). *1999 T. BEIs: Threshold Limit Values for Chemical Substances and Physical Agents, Biolo Exposure Indices. Cincinnati, OH.* 1999.
3. Occupational Safety and Health Administration (OSHA). Occupational Safety and Standards, Toxic and Hazardous Substances. *Code of Federal Regulations* 29 CF 1910.1000. 1998.
4. U.S. Environmental Protection Agency. *Integrated Risk Information System (IRIS) Tetrachloroethylene*. National Center for Environmental Assessment, Office of Res and Development, Washington, DC. 1999.
5. U.S. Environmental Protection Agency. *Health Effects Assessment for Tetrachloroethylene*. EPA/600/8-89-096. Environmental Criteria and Assessment C Office of Health and Environmental Assessment, Office of Research and Developn Cincinnati, OH. 1988.
6. U.S. Environmental Protection Agency. *Updated Health Assessment Document for Tetrachloroethylene*. EPA/600/8-82/005B. Environmental Criteria and Assessment Office of Health and Environmental Assessment, Office of Research and Developn Cincinnati, OH. 1988.
7. U.S. Environmental Protection Agency. *Risk Assessment Issue Paper for Carcino Information for Tetrachloroethylene (Perchloroethylene, PERC) (CASRN 127-18-4,* Superfund Technical Support Center, National Center for Environmental Assessme Cincinnati, OH. nd.
8. National Institute for Occupational Safety and Health (NIOSH). *Pocket Guide to C. Hazards*. U.S. Department of Health and Human Services, Public Health Service, for Disease Control and Prevention. Cincinnati, OH. 1997.
9. American Industrial Hygiene Association (AIHA). *The AIHA 1998 Emergency Resp Planning Guidelines and Workplace Environmental Exposure Level Guides Handb* 1998.
10. U.S. Environmental Protection Agency. National Emission Standards for Hazardou Pollutants: Wood Furniture Manufacturing Operations. *Federal Register* 63 FR 343 June 24, 1998.

Appendix D

Laboratory Results – Remedial Action

Summary 1: Labortory Analysis July 2005 through October 2005
West Park Properties, LLC. - Remedial Action Report

Sample Number	Location	Depth (feet)	VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE	Diesel	Heavy Oil	Mineral Oil
01-3.0	Southeast exterior corner	3	ND	ND	ND	ND	ND	NA	NA	NA
02-2.0	Southwest exterior corner	2	ND	ND	ND	ND	ND	NA	NA	NA
03-3.5	Northeast exterior near CMU wall	3.5	ND	ND	ND	ND	**1.07**	NA	NA	NA
04-3.0	Southeast interior of dry cleaners	3	ND	ND	ND	ND	**3.33**	NA	NA	NA
05-3.0	North center interior of dry cleaners	3	ND	ND	ND	ND	**10.9**	NA	NA	NA
092205-06.4	Northwest Corner	4	ND	ND	ND	ND	ND	NA	NA	NA
092205-06.8.5	Northwst Corner	8.5	ND	0.065	ND	ND	ND	NA	NA	NA
092205-06.10.5	Northwest Corner	10.5	ND	ND	ND	ND	1.51	NA	NA	NA
092205-07.4	West Center	4	ND	ND	ND	ND	ND	NA	NA	NA
092205-07.8.5	West Center	8.5	ND	0.15	ND	0.045	6.34	NA	NA	NA
092205-07.10.5	West Center	10.5	ND	ND	ND	ND	ND	NA	NA	NA
092205-08.4	Southwest Corner	4	ND	ND	ND	ND	ND	NA	NA	NA
092205-08.8.5	Southwest Corner	8.5	ND	ND	ND	ND	ND	NA	NA	NA
092205-08.10.5	Southwest Corner	10.5	ND	0.055	ND	ND	0.29	NA	NA	NA
092205-09.4	Southeast Corner	4	ND	ND	ND	ND	0.26	NA	NA	NA
092205-09.8	Southeast Corner	8	ND	ND	ND	ND	ND	NA	NA	NA
092205-09.10	Southeast Corner	10.5	ND	ND	ND	ND	ND	NA	NA	NA
092205-10.4	East Center	4	ND	ND	ND	ND	ND	NA	NA	NA
092205-10.8.5	East Center	8.5	ND	ND	ND	ND	0.087	NA	NA	NA
092205-10.9.5	East Center	9.5	ND	ND	ND	ND	ND	NA	NA	NA
092205-11.4	Northeast Corner	4	ND	ND	ND	ND	ND	NA	NA	NA
092205-11.8	Northeast Corner	8	ND	ND	ND	ND	0.024	NA	NA	NA
092205-11.10.5	Northeast Corner	10.5	ND	ND	ND	ND	ND	NA	NA	NA
092205-12.4	North Center	4	ND	ND	ND	ND	ND	NA	NA	NA
092205-12.8	North Center	8	ND	ND	ND	ND	0.087	NA	NA	NA
092208-12.13	North Center	13	ND	ND	ND	ND	ND	NA	NA	NA
092208-12.21	North Center	21	ND	ND	ND	ND	ND	NA	NA	NA
092208-12.24	North Center	24	ND	ND	ND	ND	ND	NA	NA	NA
WP-01	Southeast excavation bottom	6	ND	ND	ND	ND	**0.55**	NA	NA	NA
WP-02	East center, excavation bottom	6	ND	ND	ND	ND	**0.062**	NA	NA	NA
WP-03	West center	-	-	-	-	-	-	-	-	-
WP-04	West center, excavation bottom	6	ND	ND	ND	ND	**0.88**	NA	NA	NA
WP-05	Northwest corner, excavation bottom	6	ND	ND	ND	ND	**0.09**	NA	NA	NA
MTCA Soil Cleanup Levels (ppm)			**0.667**	**800**	**1,600**	**11**	**0.05**	**2,000**	**2,000**	**4,000**

Sample Number	Location	Depth (feet)	VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE	Diesel	Heavy Oil	Mineral Oil
WP-06	Northwest center, excavation bottom	4	ND	ND	ND	ND	0.048	NA	NA	NA
WP-07	West center, excavation bottom	4	ND	ND	ND	ND	0.047	NA	NA	NA
WP-08	Southwest center, excavation bottom	4	ND	ND	ND	ND	ND	NA	NA	NA
WP-09	Stockpile	-	ND	ND	ND	ND	0.03	NA	NA	NA
WP-10	Stockpile	-	ND	ND	ND	ND	**0.074**	NA	NA	NA
WP-11	Southwest corner, excavation bottom	6	ND	ND	ND	ND	**0.5**	NA	NA	NA
WP-12	South center, excavation bottom	9	ND	ND	ND	ND	**0.14**	NA	NA	NA
WP-13	Southwest corner, excavation bottom	9	ND	ND	ND	ND	**0.39**	NA	NA	NA
WP-14	East center, south, excavation bottom	9	ND	ND	ND	ND	**0.49**	NA	NA	NA
WP-15	East center, north, excavation bottom	9	ND	ND	ND	ND	**0.13**	NA	NA	NA
WP-16	Center, north, excavation bottom	9	ND	ND	ND	ND	**0.15**	NA	NA	NA
WP-17	Center, south, excavation bottom	9	ND	ND	ND	ND	**0.55**	NA	NA	NA
WP-18	Southeast corner, excavation bottom	9	ND	ND	ND	ND	**0.52**	NA	NA	NA
WP-19	West center, south, excavation bottom	9	ND	ND	ND	ND	**0.47**	NA	NA	NA
WP-20	West center, north, excavation bottom	9	ND	ND	ND	ND	**1.34**	NA	NA	NA
WP-21	Northwest corner, excavation bottom	9	ND	ND	ND	ND	**0.067**	NA	NA	NA
WP-22	North center, excavation bottom	9	ND	ND	ND	ND	**0.39**	NA	NA	NA
WP-23	North center sidewall	8.5	ND	ND	ND	ND	0.023	NA	NA	NA
WP-24	East sidewall, north	8.5	ND	ND	ND	ND	**0.55**	NA	NA	NA
WP-25	East sidewall, south	8.5	ND	ND	ND	ND	**0.058**	NA	NA	NA
WP-26	Southeast corner, east sidewall	8.5	ND	ND	ND	ND	0.044	NA	NA	NA
100705-01	Southwest corner, excavation bottom	8.5	ND	ND	ND	ND	**0.21**	NA	NA	NA
100705-02	Southeast corner, excavation bottom	9.5	ND	ND	ND	ND	ND	NA	NA	NA
100705-03	South-southwest corner	7.5	ND	ND	ND	ND	**0.063**	NA	NA	NA
100705-04	South center, sidewall in excavation	7	ND	ND	ND	ND	ND	NA	NA	NA
100705-05	Southeast corner sidewall	7.5	ND	ND	ND	ND	**0.095**	NA	NA	NA
100705-06	East center sidewall	7	ND	ND	ND	ND	**0.31**	NA	NA	NA
100705-07	East center, excavation bottom	9.5	ND	ND	ND	ND	ND	NA	NA	NA
100705-08	West center, excavation bottom	9.5	ND	ND	ND	ND	ND	NA	NA	NA
100705-09	West center sidewall	7.5	ND	ND	ND	ND	**0.13**	NA	NA	NA
100705-10	Northwest center, excavation bottom	9.5	ND	ND	ND	ND	0.039	NA	NA	NA
100705-11	Northwest center sidewall	7.5	ND	ND	ND	ND	**3.16**	NA	NA	NA
100705-12	-	-	-	-	-	-	-	-	-	-
100705-13	Southwest corner, excavation bottom, 11-ft bgs	11	ND	ND	ND	ND	**0.089**	NA	NA	NA
100705-14	Stockpiled soil	-	ND	ND	ND	ND	**0.095**	NA	NA	NA
100705-15	Southwest corner, excavation bottom	12.5	ND	ND	ND	ND	**0.87**	NA	NA	NA
100705-16	Southwest corner, west sidewall	8	ND	ND	ND	ND	ND	NA	NA	NA
MTCA Soil Cleanup Levels (ppm)			**0.667**	**800**	**1,600**	**11**	**0.05**	**2,000**	**2,000**	**4,000**

Sample Number	Location	Depth (feet)	VC	Cis-1,2 DCE	Trans-1,2 DCE	TCE	PCE	Diesel	Heavy Oil	Mineral Oil
100705-17	Southeast corner sidewall	8	ND	ND	ND	ND	**0.47**	NA	NA	NA
100705-18	Northeast sidewall	7.5	ND	ND	ND	ND	0.044	NA	NA	NA
100705-19	Center northeast sidewall	7.5	ND	ND	ND	ND	**0.3**	NA	NA	NA
100705-20	Stockpiled soils	-	ND	ND	ND	ND	**0.12**	NA	NA	NA
100705-21	Southwest corner, excavation bottom	14	ND	ND	ND	ND	ND	NA	NA	NA
100705-22	Northeast center sidewall	7.5	ND	ND	ND	ND	0.045	NA	NA	NA
100705-23	Northeast center, excavation bottom	9.5	ND	ND	ND	ND	ND	NA	NA	NA
100705-24	East center sidewall	8	ND	ND	ND	ND	**0.15**	NA	NA	NA
100705-25	Southeast sidewall	7.5	ND	ND	ND	ND	**0.085**	NA	NA	NA
100705-26	Northwest ramp, excavation bottom	9	ND	ND	ND	ND	ND	NA	NA	NA
100705-27	Northwest ramp, north sidewall	7	ND	ND	ND	ND	**0.15**	NA	NA	NA
100705-28	Northwest ramp, west sidewall	7	ND	ND	ND	ND	**0.092**	NA	NA	NA
100705-29	Northwest ramp, east sidewall	7	ND	ND	ND	ND	**0.35**	NA	NA	NA
100805-01	Southwest sidewall	8	ND	ND	ND	ND	ND	NA	NA	NA
100805-02	East sidewall	8.5	ND	ND	ND	ND	ND	NA	NA	NA
100805-03	East sidewall	7	ND	ND	ND	ND	**0.11**	NA	NA	NA
100805-04	Northeast sidewall	7	ND	ND	ND	ND	**0.1**	NA	NA	NA
100805-05	Northeast sidewall	7	ND	ND	ND	ND	**1.52**	NA	NA	NA
100805-06	Northeast corner sidewall	7	ND	ND	ND	ND	**7.35**	NA	NA	NA
100805-07	Stockpile sample, north	-	ND	ND	ND	ND	ND	NA	NA	NA
100805-08	Stockpile sample, east	-	ND	ND	ND	ND	ND	NA	NA	NA
100805-09	Stockpile sample, south	-	ND	ND	ND	ND	ND	NA	NA	NA
100805-10	UST Stockpile	-	NA	NA	NA	NA	NA	1560	ND	ND
100805-11	UST Stockpile	-	NA	NA	NA	NA	NA	ND	ND	ND
100805-12	East center sidewall	8.5	ND	ND	ND	ND	ND	NA	NA	NA
100805-13	East center sidewall	8.5	ND	ND	ND	ND	**0.82**	NA	NA	NA
101005-01	West Stockpile	-	ND	ND	ND	ND	**0.58**	NA	NA	NA
101005-02	West Stockpile	-	ND	ND	ND	ND	ND	NA	NA	NA
101005-03	West Stockpile	-	ND	ND	ND	ND	**0.3**	NA	NA	NA
101405-01	West Stockpile	-	ND	ND	ND	ND	ND	NA	NA	NA
MTCA Soil Cleanup Levels (ppm)			**0.667**	**800**	**1,600**	**11**	**0.05**	**2,000**	**2,000**	**4,000**

Referenced MTCA Soil Cleanup Levels:

Vinyl chloride (VC): MTCA Method B - Carcinogen Standard Value
Cis-1,2 DCE: MTCA Method B - Non-Carcinogen Standard Value
Trans-1,2 DCE: MTCA Method B - Non-Carcinogen Stnadard Value
TCE: MTCA Method B - Carcinogen Standard Value
PCE: MTCA Method A - Unrestricted Landuse

Concentrations greater that MTCA CUL are shown in **Bold**.
All Sample results presented in parts per million, mg/Kg.

ND No product detected at the Method Detection Limit
NA Sample not analyzed for the product
- Sample not submitted for analysis

Libby Environmental, LLC

4139 Libby Road N.E., Olympia, WA 98506-2518

September 29, 2005

Ryan Mathews
Fulcrum Environmental Consulting, Inc.
222 North 2nd Street
Suite A
Yakima, WA 98901

Dear Mr. Mathews:

Please find enclosed the analytical data report for the West Park Drycleaner's Project located in Yakima, Washington. Soil samples were analyzed for PCE and breakdown products by EPA Method 8021B on September 23, 2005.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed. All soil samples are reported on a dry weight basis.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 * Fax (360) 352-4154 * libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	9/23/05	nd	nd	nd	nd	nd	99
LCS	9/23/05				124%		105
092205-06.4	9/23/05	nd	nd	nd	nd	nd	103
092205-06.8.5	9/23/05	nd	0.065	nd	nd	1.51	68
092205-06.10.5	9/23/05	nd	nd	nd	nd	nd	118
092205-07.4	9/23/05	nd	nd	nd	nd	nd	114
092205-07.8.5	9/23/05	nd	0.15	nd	0.045	6.34	74
092205-07.10.5	9/23/05	nd	nd	nd	nd	nd	126
092205-08.4	9/23/05	nd	nd	nd	nd	nd	76
092205-08.8.5	9/23/05	nd	nd	nd	nd	nd	97
092205-08.8.5 Dup	9/23/05	nd	nd	nd	nd	nd	107
092205-08.10.5	9/23/05	nd	0.055	nd	nd	0.29	68
092205-08.10.5 Dup	9/23/05	nd	0.028	nd	nd	0.23	71
092205-09.4	9/23/05	nd	nd	nd	nd	0.026	106
092205-09.4 Dup	9/23/05	nd	nd	nd	nd	nd	111
092205-09.8	9/23/05	nd	nd	nd	nd	nd	84
092205-09.10	9/23/05	nd	nd	nd	nd	nd	71
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	richloroethen (mg/kg)	trachloroethe (mg/kg)	Surrogate Recovery (%)
Method Blank	9/23/05	nd	nd	nd	nd	nd	101
LCS	9/23/05				99%		102
092205-10.4	9/23/05	nd	nd	nd	nd	nd	112
092205-10.8.5	9/23/05	nd	nd	nd	nd	0.087	106
092205-10.9.5	9/23/05	nd	nd	nd	nd	nd	110
092205-11.4	9/23/05	nd	nd	nd	nd	nd	112
092205-11.8	9/23/05	nd	nd	nd	nd	0.024	106
092205-11.10.5	9/23/05	nd	nd	nd	nd	nd	110
092205-12.4	9/23/05	nd	nd	nd	nd	nd	112
092205-12.8	9/23/05	nd	nd	nd	nd	0.087	105
092205-12.13	9/23/05	nd	nd	nd	nd	nd	87
092205-12.21	9/23/05	nd	nd	nd	nd	nd	122
092205-12.24	9/23/05	nd	nd	nd	nd	nd	111
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Cby Environmental, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Falcon Environmental Consulting, Inc.
ADDRESS: 222 N. 2nd Street, Suite A, Yakima, WA 98901
PHONE: 509-574-0839 FAX: 509-575-8453
CLIENT PROJECT #: 05-947 PROJECT MANAGER: R. Mathews

DATE: 9/22/2005 PAGE 1 OF 2
PROJECT NAME: Westpark Dry Cleaners
LOCATION: Yakima, WA
COLLECTOR: R. Mathews DATE OF COLLECTION 9/22/05

Sample Number	Depth (ft)	Time	Sample Type	Container Type	NOTES	Total Number of Containers	Laboratory Note Number
1. 092205-06.4	4		Soil	EVOA VIA		2	
2. 092205-06.8.5	8.5					2	
3. 092205-06.10.5	10.5					2	
4. 092205-07.4	4					2	
5. 092205-07.8.5	8.5					2	
6. 092205-07.10.5	10.5					2	
7. 092205-08.4	4					2	
8. 092205-08.8.5	8.5					2	
9. 092205-08.10.5	10.5					2	
10. 092205-09.4	4					2	
11. 092205-09.8	8					2	
12. 092205-09.10	10					2	
13. 092205-10.4	4					2	
14. 092205-10.8.5	8.5					2	
15. 092205-10.9.5	9.5					2	
16. 092205-11.4	4					2	
17. 092205-11.8	8					2	
18. 092205-11.10.5	10.5					2	

ANALYSES: VOA 8021B; VOA 8021B BTEX ONLY; VOA 8260; SEMI VOL 8270; TPH - HCID; NWTPH-Gx; NWTPH-Dx; NWTPH-DxExt.; PAH 8100; PAH 8270; PCBs 8082; Pesticides 8081; EPH; VPH; IPH; Turbidity; Oil & Grease; Zinc; Metals; PCE, TCE, DCE, VC

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	9/23/05	[signature]	9-23-05
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Turn Around Time: Same day 24 HR 48 HR 5 DAY

Libby Environmental, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum Environmental Consulting, Inc.
ADDRESS:
PHONE: 509-574-0839 FAX: 509 575-8453
CLIENT PROJECT #: 05-942 PROJECT MANAGER: L Mathews

DATE: PAGE 2 OF 2
PROJECT NAME: West Park Dry Cleaners
LOCATION: Yakima, WA
COLLECTOR: L. Mathews DATE OF COLLECTION 9/22/05

Sample Number	Depth (ft)	Time	Sample Type	Container Type	ANALYSES: VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	NWTPH-GX	NWTPH-Dx	NWTPH-DxExt.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	IPH	Turbidity	Oil & Grease	Zinc	Metals	RCRA VOC, VOC	NOTES	Total Number of Containers	Laboratory Note Number
1. 092205-12.4	4		Soil	VOA Vial																				X		2	
2. 092205-12.8	8																							X		2	
3. 092205-12.13	13																							X		2	
4. 092205-12.21	21																							X		2	
5. 092205-12.24	24																							X		2	
6.																											
7.																											
8.																											
9.																											
10.																											
11.																											
12.																											
13.																											
14.																											
15.																											
16.																											
17.																											
18.																											

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Bonnie Harcourt	9/23/05		9-23-05
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Same day

Turn Around Time: 24 HR 48 HR 5 DAY

Libby Environmental, LLC

4139 Libby Road N.E., Olympia, WA 98506-2518

October 7, 2005

Ryan Mathews
Fulcrum Environmental Consulting, Inc.
222 North 2nd Street
Suite A
Yakima, WA 98901

Dear Mr. Mathews:

Please find enclosed the analytical data report for the West Park Drycleaner's Project located in Yakima, Washington. Mobile Labs Services were conducted on September 30, 2005. Soil samples were analyzed for PCE and breakdown products by EPA Method 8021B.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed. All soil samples are reported on a dry weight basis.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 * Fax (360) 352-4154 * libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	9/30/05	nd	nd	nd	nd	nd	110
LCS	9/30/05				108%		110
WP-01	9/30/05	nd	nd	nd	nd	0.55	112
WP-02	9/30/05	nd	nd	nd	nd	0.062	94
WP-04	9/30/05	nd	nd	nd	nd	0.88	111
WP-05	9/30/05	nd	nd	nd	nd	0.090	111
WP-06	9/30/05	nd	nd	nd	nd	0.048	109
WP-07	9/30/05	nd	nd	nd	nd	0.047	114
WP-08	9/30/05	nd	nd	nd	nd	nd	110
WP-09	9/30/05	nd	nd	nd	nd	0.030	112
WP-10	9/30/05	nd	nd	nd	nd	0.074	110
WP-11	9/30/05	nd	nd	nd	nd	0.50	110
WP-12	9/30/05	nd	nd	nd	nd	0.14	111
WP-13	9/30/05	nd	nd	nd	nd	0.39	112
WP-02 MS	9/30/05				92%		115
WP-02 MSD	9/30/05				87%		114
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	9/30/05	nd	nd	nd	nd	nd	120
LCS	9/30/05				103%		121
WP-14	9/30/05	nd	nd	nd	nd	0.49	113
WP-14 Dup	9/30/05	nd	nd	nd	nd	0.60	112
WP-15	9/30/05	nd	nd	nd	nd	0.13	112
WP-16	9/30/05	nd	nd	nd	nd	0.15	115
WP-17	9/30/05	nd	nd	nd	nd	0.55	116
WP-18	9/30/05	nd	nd	nd	nd	0.52	116
WP-19	9/30/05	nd	nd	nd	nd	0.47	119
WP-20	9/30/05	nd	nd	nd	nd	1.34	117
WP-21	9/30/05	nd	nd	nd	nd	0.067	115
WP-22	9/30/05	nd	nd	nd	nd	0.39	118
WP-23	9/30/05	nd	nd	nd	nd	0.023	119
WP-24	9/30/05	nd	nd	nd	nd	0.55	117
WP-25	9/30/05	nd	nd	nd	nd	0.058	117
WP-26	9/30/05	nd	nd	nd	nd	0.044	118
WP-26 MS	9/30/05				86%		116
WP-26 MSD	9/30/05				103%		114
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

L BY ENVIRONMENTAL, LLC

360-352-2110

CHAIN-OF-CUSTODY RE ORD

CLIENT: Fulcrum

ADDRESS: 322 N 2nd

PHONE: 509-571-0839 FAX:

CLIENT PROJECT #: 05-912 PROJECT MANAGER: Ryan Matthews

DATE: 9/30/05 PAGE 1 OF 2

PROJECT NAME: Wes Park Dry Clean

LOCATION: Wes Park

COLLECTOR: TLT DATE OF COLLECTION 9/16/05

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	MWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	pH	Turbidity	Oil & Grease	Zinc	Metals	NOTES	Total Number of Containers	Laboratory Note Number
1. WP-01	6'	8:14	S	VOA			X																			
2. 02	6'	7:48					X																			
3. 03	6'	7:52					X																	vcl		
4. 04	6'	7:58					X																	vcl		
5. 05	6'	8:05					X																			
6. 06	4'	8:09					X																			
7. 07	4'	8:13					X																			
8. 08	4'	8:15					X																			
9. 09	SP	8:20					X																			
10. 10	SP	8:23					X																			
11. 11	6'	10:15					X																			
12. 12	9'	11:00					X																			
13. 13	9'	11:07					X																			
14. 14	9'	11:09					X																			
15. 15	9'	11:11					X																			
16. 16	9'	11:12					X																			
17. 17	9'	11:14					X																			
18. 18	9'	11:16					X																			

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	9/30/05		9-30-05
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Turn Around Time: 24 HR 48 HR 5 DAY

L..BY ENVIRONMENTAL, LLC

360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum

ADDRESS: 222 N 2nd

PHONE: 509 574-6834 FAX:

CLIENT PROJECT #: 05912 PROJECT MANAGER: Kim Mullins

DATE: 9-30-05 PAGE 2 OF 2

PROJECT NAME: West Park Dry Cleaners

LOCATION: West Park

COLLECTOR: TLT DATE OF COLLECTION 9-30-05

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	pH	Turbidity	Oil & Grease	Zinc	Metals	NOTES	Total Number of Containers	Laboratory Note Number
19	9'	11:17	S	1/2A			X																			
20	9'	11:19					X																			
21	9'	11:21					X																			
22	9	11:23					X																			
23	8.5	11:25					X																			
24	8.5	11:29					X																			
25	8.5	11:28					X																			
26	8.5	11:30	↓	—			X																			
9.																										
10.																										
11.																										
12.																										
13.																										
14.																										
15.																										
16.																										
17.																										
18.																										

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	9/30/05		9/30
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Turn Around Time: 24 HR 48 HR 5 DAY

Libby Environmental, LLC

4139 Libby Road N.E., Olympia, WA 98506-2518

October 14, 2005

Ryan Matthews
Fulcrum Environmental Consulting, Inc.
222 North 2nd Street
Suite A
Yakima, WA 98901

Dear Mr. Matthews:

Please find enclosed the analytical data report for the West Park Dry Cleaners Project located in Yakima, Washington. Mobile Lab Services were conducted on October 7 & 8, 2005. Soil samples were analyzed for Selected VOC's by EPA Method 8260B.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed. All soil samples are reported on a dry weight basis.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 * Fax (360) 352-4154 * libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	10/7/05	nd	nd	nd	nd	nd	114
LCS	10/7/05				93%		114
100705-01	10/7/05	nd	nd	nd	nd	0.21	113
100705-02	10/7/05	nd	nd	nd	nd	nd	113
100705-03	10/7/05	nd	nd	nd	nd	0.063	114
100705-04	10/7/05	nd	nd	nd	nd	nd	113
100705-05	10/7/05	nd	nd	nd	nd	0.095	115
100705-06	10/7/05	nd	nd	nd	nd	0.31	115
100705-07	10/7/05	nd	nd	nd	nd	nd	112
100705-08	10/7/05	nd	nd	nd	nd	nd	112
100705-08 Dup	10/7/05	nd	nd	nd	nd	nd	122
100705-09	10/7/05	nd	nd	nd	nd	0.13	116
100705-10	10/7/05	nd	nd	nd	nd	0.039	115
100705-11	10/7/05	nd	nd	nd	nd	3.16	117
100705-13	10/7/05	nd	nd	nd	nd	0.089	117
100705-14	10/7/05	nd	nd	nd	nd	0.095	114
100705-15	10/7/05	nd	nd	nd	nd	0.87	113
100705-16	10/7/05	nd	nd	nd	nd	nd	112
100705-17	10/7/05	nd	nd	nd	nd	0.47	114
100705-18	10/7/05	nd	nd	nd	nd	0.044	117
100705-19	10/7/05	nd	nd	nd	nd	0.30	114
100705-19 Dup	10/7/05	nd	nd	nd	nd	0.32	115
100705-23 MS	10/7/05				87%		113
100705-23 MSD	10/7/05				98%		112
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	10/7/05	nd	nd	nd	nd	nd	120
LCS	10/7/05				92%		114
100705-20	10/7/05	nd	nd	nd	nd	0.12	118
100705-21	10/7/05	nd	nd	nd	nd	nd	114
100705-22	10/7/05	nd	nd	nd	nd	0.045	118
100705-23	10/7/05	nd	nd	nd	nd	nd	114
100705-24	10/7/05	nd	nd	nd	nd	0.15	116
100705-25	10/7/05	nd	nd	nd	nd	0.085	115
100705-26	10/7/05	nd	nd	nd	nd	nd	118
100705-27	10/7/05	nd	nd	nd	nd	0.15	116
100705-28	10/7/05	nd	nd	nd	nd	0.092	115
100705-29	10/7/05	nd	nd	nd	nd	0.35	118
100705-08 MS	10/7/05				87%		113
100705-08 MSD	10/7/05				92%		116
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	10/8/05	nd	nd	nd	nd	nd	114
LCS	10/8/05				91%		117
100805-01	10/8/05	nd	nd	nd	nd	nd	115
100805-02	10/8/05	nd	nd	nd	nd	nd	114
100805-03	10/8/05	nd	nd	nd	nd	0.11	115
100805-03 Dup	10/8/05	nd	nd	nd	nd	0.16	118
100805-04	10/8/05	nd	nd	nd	nd	0.10	113
100805-05	10/8/05	nd	nd	nd	nd	1.52	114
100805-06	10/8/05	nd	nd	nd	nd	7.35	115
100805-07	10/8/05	nd	nd	nd	nd	nd	116
100805-08	10/8/05	nd	nd	nd	nd	nd	117
100805-09	10/8/05	nd	nd	nd	nd	nd	117
100805-12	10/8/05	nd	nd	nd	nd	nd	116
100805-13	10/8/05	nd	nd	nd	nd	0.82	116
100805-06 MS	10/8/05				114%		114
100805-06 MSD	10/8/05				91%		117
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Mineral Oil (mg/kg)	Oil (mg/kg)
Method Blank	10/10/2005	131	nd	nd	nd
100805-10	10/10/2005	int	1540	nd	nd
100805-11	10/10/2005	135	nd	nd	nd
100805-11 Dup	10/10/2005	114	nd	nd	nd
Practical Quantitation Limit			20	40	40

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL, LLC

360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum Environmental Consulting

ADDRESS: 222 N 2nd Street Suite A Yakima

PHONE: 509 FAX:

CLIENT PROJECT #: PROJECT MANAGER: R Mathews

DATE: 10-7-05 PAGE 1 OF 2

PROJECT NAME: West Park Dry Cleaners

LOCATION: Yakima, Washington

COLLECTOR: B Harcourt DATE OF COLLECTION 10705

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260 (REC'D)	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	pH	Turbidity	Oil & Grease	Zinc	Metals	NOTES	Total Number of Containers	Laboratory Note Number
100705 01		1235	S	40z Jar			X																		1	
100705-02			S	"			X																		1	
100705 03			S				X																		1	
100705-04			S				X																		1	
100705-05			S				X																	Hold	1	
100705 06			S				X																		1	
100705 07			S				X																		1	
100705-08			S				X																		1	
100705 09			S				X																	~~Hold~~	1	
100705 10			S				X																		1	
100705-11			S				X																	~~Hold~~	1	
100705-12			S				X																	Hold	1	
100705-13			S				X																		1	
100705-14			S				X																		1	
100705-15			S				X																		1	
100705-16			S				X																		1	
100705-17			S				X																		1	
100705-18			S				Y																		1	

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	10/7/05	[signature]	10-7-05
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Turn Around Time: 24 HR 48 HR 5 DAY

LIBBY ENVIRONMENTAL, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD 2

CLIENT: Fulcrum Environmental Consulting

ADDRESS: 222 N 2nd St Yakima WA

PHONE: _____ FAX: _____

CLIENT PROJECT #: _____ PROJECT MANAGER: R. Matthews

DATE: 10-7-05 PAGE 2 OF _____

PROJECT NAME: West Park Dry Cleaners

LOCATION: Yakima, Washington

COLLECTOR: B. Harcourt DATE OF COLLECTION 10 7 05

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	pH	Turbidity	Oil & Grease	Zinc	Metals	NOTES	Total Number of Containers	Laboratory Note Number
1. 100705-19			S	4oz Jar			X																		1	
2. 100705-20			S	"			X																		1	
3. 100705-21			S	4oz Jar			X																		1	
4. 100705-22			S	"			X																		1	
5. 100705-23			S	"			X																		1	
6. 100705-24			S	"			X																		1	
7. 100705-25			S	"			X																		1	
8. 100705-26			S	"			X																		1	
9. 100705-27			S	"			X																		1	
10. 100705-28			S	"			X																		1	
11. 100705-29			S	"			X																		1	
12.																										
13.																										
14.																										
15.																										
16.																										
17.																										
18.																										

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
B. Harcourt	10/8/05	[illegible]	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Turn Around Time: 24 HR 48 HR 5 DAY

LIBBY ENVIRONMENTAL, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum Environmental Consulting

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: PROJECT MANAGER: R. Matthews

DATE: 10-08-05 PAGE 1 OF 1

PROJECT NAME: West Park Dry Cleaners

LOCATION: Yakima, WA

COLLECTOR: F. Harcourt DATE OF COLLECTION 10-08-05

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260 PCE only	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	pH	Turbidity	Oil & Grease	Zinc	Metals	NOTES	Total Number of Containers	Laboratory Note Number
1. 100805-01			S	4oz Jar			X																		1	
2. 100805-02				"			X																		1	
3. 100805-03				"			X																		1	
4. 100805-04				"			X																			
5. 100805-05				"			X																			
6. 100805-06				"			X																			
7. 100805-07							X																	positive stop		
8. 100805-08							X																			
9. 100805-09							X																			
10. 100805-10										X																
11. 100805-11										X																
12. 100805-12							X																			
13. 100805-13							X																			
14.																										
15.																										
16.																										
17.																										
18.																										

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
F. Harcourt	10/8/05		10-8-05
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Turn Around Time: 24 HR 48 HR 5 DAY

Libby Environmental, LLC

4139 Libby Road N.E., Olympia, WA 98506-2518

October 14, 2005

Ryan Matthews
Fulcrum Environmental Consulting, Inc.
222 North 2nd Street
Suite A
Yakima, WA 98901

Dear Mr. Matthews:

Please find enclosed the analytical data report for the West Park Properties Project located in Yakima, Washington. Soil samples were analyzed for Selected VOC's by EPA Method 8260B on October 10, 2005.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed. All soil samples are reported on a dry weight basis.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 * Fax (360) 352-4154 * libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	10/10/05	nd	nd	nd	nd	nd	115
LCS	10/10/05				96%		120
101005-01	10/10/05	nd	nd	nd	nd	0.58	120
101005-02	10/10/05	nd	nd	nd	nd	nd	119
101005-03	10/10/05	nd	nd	nd	nd	0.30	121
101005-03 Dup	10/10/05	nd	nd	nd	nd	0.25	118
101005-03 MS	10/8/05				99%		119
101005-03 MSD	10/8/05				101%		119
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum Environmental Consulting, Inc.
ADDRESS: 202 N. 3rd Street, A, Yakima, WA 98901
PHONE: 509-574-0839 FAX: 509.575-8453
CLIENT PROJECT #: 05-042 PROJECT MANAGER: R. Mathews

DATE: 10/10/05 PAGE 1 OF 1
PROJECT NAME: Westpark Properties
LOCATION: Yakima, WA
COLLECTOR: Bri Harcourt DATE OF COLLECTION 10/10

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	~~VOA 8260~~ PCE	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-DxExt.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	IPH	Turbidity	Oil & Grease	Zinc	Metals	NOTES	Total Number of Containers	Laboratory Note Number
1. 101005-01			Soil	3 VOA	X																					
2. 101005-02			↓	↓	X																					
3. 101005-03					X																					
4.																										
5.																										
6.																										
7.																										
8.																										
9.																										
10.																										
11.																										
12.																										
13.																										
14.																										
15.																										
16.																										
17.																										
18.																										

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Bri Harcourt	10/10/05 4:30		10-11-05
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:

Turn Around Time: 24 48 HR 5 DAY

Libby Environmental, LLC

4139 Libby Road N.E., Olympia, WA 98506-2518

October 21, 2005

Ryan Mathews
Fulcrum Environmental Consulting, Inc.
222 North 2nd Street
Suite A
Yakima, WA 98901

Dear Mr. Mathews:

Please find enclosed the analytical data report for the Westpark Properties Project located in Yakima, Washington. A soil sample was analyzed for VOC's by EPA Method 8260B on October 16, 2005.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed. All soil samples are reported on a dry weight basis.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 * Fax (360) 352-4154 * libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WEST PARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8260B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	TCE (mg/kg)	PCE (mg/kg)	Surrogate Recovery (%)
Method Blank	10/16/05	nd	nd	nd	nd	nd	118
LCS	10/16/05	89%	115%				99
101405-01	10/16/05	nd	nd	nd	nd	nd	121
101405-01 MS	10/16/05				92%		119
101405-01 MSD	10/16/05				121%		100
Practical Quantitation Limit		0.02	0.02	0.02	0.02	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum Environmental Consulting, Inc
ADDRESS: 202 N. 2nd St., Suite A, Yakima, WA
PHONE: 574-0839 FAX: 575-8453
CLIENT PROJECT #: 05-942 PROJECT MANAGER: R. Mathews

DATE: 10/14/05 PAGE 1 OF 1
PROJECT NAME: Westpark Properties 807
LOCATION: Yakima, WA
COLLECTOR: BDH/RKM DATE OF COLLECTION 10/14

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260 PCE+	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-DxExt.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	IPH	Turbidity	Oil & Grease	Zinc	Metals	NOTES	Total Number of Containers	Laboratory Note Number
1. 101405-01			SOIL	VOA vial			X																			
2. 101405-02			↓	↓			X																			
3. 101405-03							X																			
4. 101405-04							X																			
5. 101405-05							X																			
6.																										
7.																										
8.																										
9.																										
10.																										
11.																										
12.																										
13.																										
14.																										
15.																										
16.																										
17.																										
18.																										

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
		[signature]	10-15-05
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:
Received 10-15-05 1420

Turn Around Time: 24 HR 48 HR 5 DAY

need results ASAP by mon. morn.

Libby Environmental, LLC

4139 Libby Road N.E., Olympia, WA 98506-2518

July 29, 2005

Ryan Mathews
Fulcrum Environmental Consulting, Inc.
222 N. 2nd St.,
Suite A
Yakima, WA 98901

Dear Mr. Mathews:

Please find enclosed the analytical data report for the West Park Drycleaners Project located in Yakima, Washington. Soil samples were analyzed for Selected VOC's by EPA Method 8021b on July 28, 2005

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. An invoice for this analytical work is also enclosed.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
President
Libby Environmental, Inc.

Phone (360) 352-2110 * Fax (360) 352-4154 * libbyenv@aol.com

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WESTPARK DRY CLEANERS PROJECT
Yakima, Washington
Fulcrum Environmental Consulting, Inc.
Client Project #05-942

Analyses of Selected VOC's (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Vinyl Chloride (mg/kg)	cis-1,2 DCE (mg/kg)	trans-1,2 DCE (mg/kg)	Trichloroethene (mg/kg)	Tetrachloroethene (mg/kg)	Surrogate Recovery (%)
Method Blank	7/28/05	nd	nd	nd	nd	nd	113
LCS	7/28/05				110%		93
01-3.0	7/28/05	nd	nd	nd	nd	nd	96
02-2.0	7/28/05	nd	nd	nd	nd	nd	114
02-2.0 Dup	7/28/05	nd	nd	nd	nd	nd	73
03-3.5	7/28/05	nd	nd	nd	nd	1.07	72
04-3.0	7/28/05	nd	nd	nd	nd	3.33	98
05-3.0	7/28/05	nd	nd	nd	nd	10.9	92
01-3.0 MS	7/28/05				90%		94
Practical Quantitation Limit		0.02	0.05	0.05	0.05	0.02	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Trifluorotoluene): 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Ibby Environmental, LLC
360-352-2110

CHAIN-OF-CUSTODY RECORD

CLIENT: Fulcrum Environmental Consulting, Inc.
ADDRESS: 222 N. 2nd St, Ste A
PHONE: 509 574-0839 FAX: 509 575-8453
CLIENT PROJECT #: 05-142 PROJECT MANAGER: R. Mathews

DATE: 7/26/05 PAGE 1 OF 1
PROJECT NAME: Westpark Dry Cleaners
LOCATION: Yakima, WA
COLLECTOR: R Mathews/P Williamson DATE OF COLLECTION

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	TPH - HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-DxExt.	PAH 8100	PAH 8270	PCBs 8082	Pesticides 8081	EPH	VPH	IPH	Turbidity	Oil & Grease	Zinc	Metals	PCE/TCE/DCE/VC	NOTES	Total Number of Containers	Laboratory Note Number
1. 02-3.0		9:47	Soil	3-40mlV/1-4oz Jar																				X		4	
2. 02-2.0		11:07																						X			
3. 03-3.5		11:45																						X			
4. 04-3.0		11:10																						X			
5. 05-3.0		11:26	↓	↓																				X			
6.																											
7.																											
8.																											
9.																											
10.																											
11.																											
12.																											
13.																											
14.																											
15.																											
16.																											
17.																											
18.																											

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	7/26/05 3:45pm	Fulcrum	7/27/05 [illegible]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
		[signature]	

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

Special Instructions:
preserved with MeOH 7-28-05 SLC

Turn Around Time: 24 HR (48 HR) 5 DAY

Appendix E

Site Photographs

East side of the former Godfathers building area following structure demolition.

Test pit excavation activities during the September 22, 2009 site investigation. Dry cleaner's building in background.

Test pit location #7 along the west side of the former Godfathers building area.

Northwest corner of the former Godfathers building area following building demolition.

The southwest corner of the former Godfathers building following building demolition.

Near surface soils were removed to facilitate excavation of PCE contaminated soils.

Typical caliche-like soil present at the site at a depth of about 8-feet below ground surface.

Excavator bucket teeth resulted in scraping through the caliche-like soil rather than direct excavation.

Typical dump truck used in the transport of soils at the site.

Truck and pup trailer in the process of securing for transport of PCE contaminated soils to Roosevelt Regional Landfill.

Stockpiled soils located west of the dry cleaner's building.

Approximate final extents of the excavation following sidewall stabilization.

Installation of the HDPE barrier along the west extent of the former Godfathers building excavation.

Compaction of soil along the lower extent of the HDPE barrier along the north boundary of the excavation.

Perforated piping, gravel, and HDPE barrier installation along the south portion of the west excavation sidewall.

Passive venting system, gravel, and HDPE barrier during installation.

The southeast portion of the excavation following completion of excavation activities and import of clean soils.

Delivery of clean imported soils along the north portion of the excavation.

Clean soil used following completion of the vapor barrier to reestablish a slope and support the building structure.

The south sidewall of the excavation following sidewall stabilization.

Appendix F

Waste Disposal Documentation

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: RABANCO
an Allied Waste Company

Waste Profile #
AWI Sales Rep:
Date:

I. Generator Information

Generator Name: Westpark Properties			
Generator Site Address: 4001 Summitview Avenue			
City: Yakima	County: Yakima	State: WA	Zip: 98908
State ID/Reg No:	State Approval/Waste Code: (if applicable)		SIC Code:
Generator Mailing Address (if different): 118 Gilbert Drive			
City: Yakima	County: Yakima	State: WA	Zip: 98902
Generator Contact Name: Jay and Jean Sentz			
Phone Number: 509-248-1635		Fax Number: 509-575-8453	

IIa. Transporter Information

Transporter Name: Ken Leingang Excavating, Inc.		Contact Name: Darren Leingang (509) 728-0117	
Transporter Address: 1117 North 27th Avenue			
City: Yakima	County: Yakima	State: WA	Zip: 98902
Phone Number: 509-575-5507	Fax Number: 509-457-3297	State Transportation Number:	

IIb. Billing Information

Bill To: Westpark Properties		Contact Name: Jean Sentz	
Billing Address: 118 Gilbert Drive			
City: Yakima	State: WA	Zip: 98902	Phone Number: 509-248-1635

III. Waste Stream Information

Name of Waste: Soil with PCE Impact less than listed Dangeros Waste Concentraitons
Process Generating Waste: Excavated site soils with residual PCE from an adjancet source.
Type of Waste ☐ INDUSTRIAL PROCESS WASTE or ☒ POLLUTION CONTROL WASTE
Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: ____:
Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☒ OTHER: With lined and tarped trucks
Estimated Annual Volume: ☒ CUBIC YARDS: 500 ☐ TONS: ____ ☐ GALLONS ____ ☐ OTHER: ____
Frequency: ☒ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER:
Special Handling Instructions: Contained Out Disposal, Direct Bury

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?		☒ YES or ☐ NO
Sample Date: 9/22/2005	Type of Sample: ☐ COMPOSITE SAMPLE ☒ GRAB SAMPLE	
Laboratory: Libby Environmental, LLC	Sample ID Numbers: 092205-04.8.5 to 092205-11.8.5	
Sampler's Employer: Fulcrum Environmental Consulting, Inc.		
Sampler's Name (printed): Ryan K. Mathews	Signature: Ryan K. Mathews	

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. Soil (Sandy silts and sandy hardpan)	> 99.9 %
2. PCE, TCE, DCE	< 0.1 %
3.	
4.	
5.	

Color	Odor (describe)	Free Liquids ☐ YES or ☒ NO	% Solids	pH:	Flash Point	Phenol
Med. Brown	None	Content ____ %	100%	N/A	N/A ☐F	N/A ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☒ No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☒ No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☒ No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste.

Jay Sentz — Authorized Representative Name And Title (Printed)

WESTPARK PROPERTIES, LLC — Company Name

JAY SENTZ OWNER — Authorized Representative Signature

9/30/05 — Date

VII. Allied Waste Decision

☐ Approved ☐ Rejected Expiration: _____

Conditions:

Name, Title	Signature	Date

176700

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

015561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	004595	000000

WEIGHMASTER: GH00036

DATE IN	TIME IN
5 October 2005	10:04 am

DATE OUT	TIME OUT
5 October 2005	10:58 am

VEHICLE	ROLL OFF
40	

REFERENCE	ORIGIN
	Yakima

1 Gross Weight 91,220.00 LB
Tare Weight 39,260.00 LB
Net Weight 51,960.00 LB 25.98 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
25.98	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

176708

NAMANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

015561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	004603	000000

WEIGHMASTER
GH00036

DATE IN	TIME IN
5 October 2005	11:00 am
DATE OUT	**TIME OUT**
5 October 2005	12:00 pm

VEHICLE	ROLL OFF
035	

REFERENCE	ORIGIN
	Yakima

1 Gross Weight 101,500.00 LB
Tare Weight 39,140.00 LB
Net Weight 62,360.00 LB 31.18 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.18	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

176853

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5441

015501
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	004746	000000

WEIGHMASTER
VR00020

DATE IN	TIME IN
5 October 2005	3:35 pm

DATE OUT	TIME OUT
5 October 2005	3:53 pm

VEHICLE	ROLL OFF
2331	ERKU2000097

REFERENCE	ORIGIN
	Yakima

1 Gross Weight 101,520.00 LB
Tare Weight 42,260.00 LB
Net Weight 59,260.00 LB 29.63 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.63	TN	34 MSW				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

176855

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

015561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	004748	000000

WEIGHMASTER: VR00020

DATE IN	TIME IN
5 October 2005	3:39 pm

DATE OUT	TIME OUT
5 October 2005	4:00 pm

VEHICLE	ROLL OFF
7327	RRDL20L136

REFERENCE	ORIGIN
	Yakima

1 Gross Weight 100,420.00 LB
Tare Weight 48,260.00 LB
Net Weight 60,160.00 LB 30.08 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.08	TN	34 MSW				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

176856

KABANCU REGIONAL DISPOSAL
P.O. BOX 330
Roosevelt, WA 99356
(509) 384-5641

215561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	004749	000000

WEIGHMASTER: VR00020

DATE IN	TIME IN
5 October 2005	3:41 pm

DATE OUT	TIME OUT
5 October 2005	4:01 pm

VEHICLE	ROLL OFF
9950	RSDL201081

REFERENCE	ORIGIN
	Yakima

Gross Weight 93,460.00 LB
Tare Weight 43,160.00 LB
Net Weight 50,300.00 LB 25.15 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
25.15	TN	3/4 PCS				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

176859

BENTON REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

SITE	TICKET	GRID
01	004752	000000

WEIGHTMASTER
VR00020

DATE IN	TIME IN
5 October 2005	3:42 pm

DATE OUT	TIME OUT
5 October 2005	4:04 pm

VEHICLE	ROLL OFF
9948	FEDU2011834

REFERENCE	ORIGIN
	Yakima

015561
West Park Properties

Contract: GENERAL

1 Gross Weight 96,380.00 LB
Tare Weight 42,100.00 LB
Net Weight 54,280.00 LB 27.14 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.14	TN	34 PCS				
		Inbound -- SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

17037

RABANCO REGIONAL DISPOSAL
P.O. BOX 336
Roosevelt, WA 99356
[illegible] 384-5641

[illegible]
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
[illegible]	[illegible]	[illegible]

WEIGHMASTER: [illegible]

DATE IN	TIME IN
4 October [illegible]	[illegible]

DATE OUT	TIME OUT
4 October [illegible]	[illegible]

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
[illegible]	[illegible]

Gross Weight 93,160.00 LB
Tare Weight 39,220.00 LB
Net Weight 53,940.00 LB 26.97 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
26.97	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT

TENDERED

CHANGE

CHECK

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

[illegible]76?15

[illegible] REGIONAL DISPOSAL
P.O. BOX [illegible]
Roosevelt, WA 99356
[illegible]

[illegible]
West Park Properties

Contract: [illegible]

SITE	TICKET	GRID
[illegible]	[illegible]	[illegible]
WEIGHMASTER: [illegible]		
DATE IN: [illegible] October [illegible]		TIME IN: [illegible]
DATE OUT: [illegible] October [illegible]		TIME OUT: [illegible]
VEHICLE: [illegible]		ROLL OFF
REFERENCE: [illegible]	ORIGIN: [illegible]	

1 Gross Weight 99,880.00 LB
Tare Weight 59,100.00 LB
Net Weight 40,780.00 LB 20.39 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
[illegible]	TN	[illegible] Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

TENDERED

CHANGE

CHEC

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

176[illegible]19

RABANCO REGIONAL DISPOSAL
P.O. BOX 305
Roosevelt, WA 99356
(509) 384-5641

015561
West Park Properties

Contract: USLRAL

SITE	TICKET	GRID
01	[illegible]	[illegible]

WEIGHMASTER
OH00034

DATE IN	TIME IN
6 October [illegible]	[illegible]

DATE OUT	TIME OUT
6 October [illegible]	[illegible]

VEHICLE	ROLL OFF
1	

REFERENCE	ORIGIN
[illegible]	[illegible]

Gross Weight 99,780.00 LB
Tare Weight 39,520.00 LB
Net Weight 60,260.00 LB 30.13 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.13	TN	64 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

TENDERED

CHANGE

CHECK

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

133745

[illegible] REGIONAL [illegible]
P.O. BOX [illegible]
[illegible], MN [illegible]
[illegible] [illegible]

[illegible]
[illegible] Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	[illegible]	[illegible]
WEIGHMASTER		
[illegible]		
DATE IN		TIME IN
[illegible] October [illegible]		[illegible]
DATE OUT		TIME OUT
[illegible] October [illegible]		[illegible]
VEHICLE		ROLL OFF
[illegible]		
REFERENCE	ORIGIN	
	[illegible]	

Gross Weight 100,[illegible] LB
Tare Weight [illegible] LB
Net Weight [illegible],[illegible].00 LB [illegible].92 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
[illegible]	TN	[illegible] PCS				
		Inbound - SELF HAULER [illegible] Roosevelt Landfill				

0.00 YD

[illegible]
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE ____________

203715

SITE	TICKET	GRID

WEIGHTMASTER

DATE IN	TIME IN
6 October 2005	

DATE OUT	TIME OUT
6 October 2005	

VEHICLE	ROLL OFF

REFERENCE	ORIGIN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
	TN	PCS				
		Inbound - SELF HAULER OC LOAD Roosevelt Landfill				

0.00 TN

TENDERED	
CHANGE	
CHECK NO.	

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

133723

[illegible] DISPOSAL
[illegible]
[illegible]
[illegible]

[illegible]
[illegible] Properties

[illegible]: GENERAL

SITE	TICKET	GRID
[illegible]	[illegible]	[illegible]

WEIGHMASTER
[illegible]

DATE IN	TIME IN
[illegible] October [illegible]	[illegible]

DATE OUT	TIME OUT
[illegible] October [illegible]	[illegible]

VEHICLE	ROLL OFF
[illegible]	

REFERENCE	ORIGIN
	[illegible]

1 Gross Weight [illegible].00 LB
Tare Weight [illegible].00 LB
Net Weight [illegible].00 LB 21.50 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
[illegible]	TN	[illegible] PCS				
		Inbound - SELF HAULER 05-1005 Roosevelt Landfill				

0.00 YD

TENDERED
CHANGE
CHECK NO.

Y MEMOS:
ats MUST be worn.
isibility vests MUST be worn.
igers MUST remain in vehicle at all times.

SIGNATURE ____

183791

Yakima Regional Disposal
P.O. Box 338
Roosevelt, WA 99356
(509) 384-5641

013561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	005083	000000

WEIGHTMASTER
UR00020

DATE IN	TIME IN
6 October 2005	4:11 pm
DATE OUT	**TIME OUT**
6 October 2005	4:19 pm

VEHICLE	ROLL OFF
6811	RBDU201136

REFERENCE	ORIGIN
RBDU201136	Yakima

Gross Weight 106,600.00 LB
Tare Weight 43,000.00 LB
Net Weight 63,600.00 LB 31.80 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.80	TN	66 Cont Soil				
		Inbound - SELF HAULER 05-1305 Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

134004

BENTON REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

SITE	TICKET	GRID
01	005256	000000

WEIGHMASTER: GH00036

DATE IN	TIME IN
7 October 2005	9:40 am

DATE OUT	TIME OUT
7 October 2005	10:10 am

VEHICLE	ROLL OFF
40	

REFERENCE	ORIGIN
05-1305	Yakima

013561
West Park Properties

Contract: GENERAL

1 Gross Weight 103,620.00 LB
Tare Weight 39,160.00 LB
Net Weight 64,460.00 LB 32.23 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.23	TN	66 Cont Soil				
		Inbound -- SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

184020

FRANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5441

015561
West Park Properties

Contracts GENERAL

SITE	TICKET	GRID
01	005314	000000

WEIGHMASTER
BH00036

DATE IN	TIME IN
7 October 2005	9:41 am

DATE OUT	TIME OUT
7 October 2005	10:31 am

VEHICLE	ROLL OFF
035	

REFERENCE	ORIGIN
05-1305	Yakima

1 Gross Weight 101,020.00 LB
Tare Weight 39,100.00 LB
Net Weight 61,920.00 LB 30.96 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.96	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

184033

RANCHO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5541

015561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	005327	000000

WEIGHMASTER
GH000036

DATE IN	TIME IN
7 October 2005	10:17 am
DATE OUT	**TIME OUT**
7 October 2005	10:50 am

VEHICLE	ROLL OFF
1	

REFERENCE	ORIGIN
05-1305	Yakima

1 Gross Weight 102,880.00 LB
Tare Weight 39,660.00 LB
Net Weight 63,220.00 LB 31.61 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.61	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

184222

BENTON REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-7641

SITE	TICKET	GRID
01	005680	000000

WEIGHMASTER
GH00036

DATE IN	TIME IN
8 October 2005	7:36 am

DATE OUT	TIME OUT
8 October 2005	8:06 am

VEHICLE	ROLL OFF
035	

REFERENCE	ORIGIN
05-1305	Yakima

013561
West Park Properties

Contract: GENERAL

1. Gross Weight 99,600.00 LB
Tare Weight 39,180.00 LB
Net Weight 60,420.00 LB 30.21 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.21	TN	66 Cont Soil				
		Inbound -- SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Tim Bayless

184226

KABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5644

015561
West Park Properties

Contracts: GENERAL

SITE	TICKET	GRID
01	0055584	000000

WEIGHMASTER
GH000036

DATE IN	TIME IN
6 October 2005	7:37 am
DATE OUT	**TIME OUT**
6 October 2005	8:11 am

VEHICLE	ROLL OFF
40	

REFERENCE	ORIGIN
05-1305	Yakima

1 Gross Weight 97,000.00 LB
Tare Weight 39,140.00 LB
Net Weight 57,860.00 LB 28.93 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.93	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

18[illegible]

[illegible] REGIONAL DISPOSAL
P.O. BOX [illegible]
[illegible], WA [illegible]
[illegible]

[illegible]
[illegible]

Contractor: GENERAL

SITE	TICKET	GRID
[illegible]	[illegible]	[illegible]

WEIGHMASTER: [illegible]

DATE IN: [illegible] October 20[illegible]

TIME IN: [illegible]

DATE OUT: [illegible] October 20[illegible]

TIME OUT: [illegible]

VEHICLE: 1

ROLL OFF:

REFERENCE: [illegible]

ORIGIN: [illegible]

1 Gross Weight 101,200.00 LB
Tare Weight [illegible] LB
Net Weight [illegible] LB [illegible] TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
[illegible]	TN	[illegible] [illegible]				
[illegible]	TN	[illegible] Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

TENDERED

CHANGE

CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [signature]

184240

BABANCO REGIONAL DISPOSAL
P.O. BOX 339
Roosevelt, WA 99356
(509) 384-5441

SITE	TICKET	GRID
01	005597	000000

WEIGHMASTER: GH000036

DATE IN	TIME IN
8 October 2005	8:30 am

DATE OUT	TIME OUT
8 October 2005	8:30 am

VEHICLE	ROLL OFF
1	

REFERENCE	ORIGIN
05-1305	Yakima

0155561
West Park Properties

Contract: GENERAL

Gross Weight 101,200.00 LB
Tare Weight 39,960.00 LB
Net Weight 61,240.00 LB 30.62 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.62	TN	66 Cont Soil				
		Inbound -- SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

184520

KITTITAS REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5644

SITE	TICKET	GRID
01	0058878	000000

WEIGHTMASTER
GH00036

DATE IN	TIME IN
10 October 2005	7:33 am

DATE OUT	TIME OUT
10 October 2005	9:03 am

VEHICLE	ROLL OFF
40	

REFERENCE	ORIGIN
05-1305	Yakima

0158061
West Park Properties

Contract: OLNEGAL

1 Gross Weight 104,760.00 LB
Tare Weight 38,940.00 LB
Net Weight 65,820.00 LB 32.91 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.91	TN	66 Cont Soil				
		Inbound -- SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

184522

HABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-3641

SITE	TICKET	GRID
01	005850	000000

WEIGHTMASTER
GH00036

DATE IN	TIME IN
10 October 2005	7:31 am

DATE OUT	TIME OUT
10 October 2005	9:04 am

VEHICLE	ROLL OFF
005	

REFERENCE	ORIGIN
05-1305	Yakima

0135cl
West Park Properties

Contracts GENERAL

1 Gross Weight 105,560.00 LB
Tare Weight 39,060.00 LB
Net Weight 66,500.00 LB 33.25 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
33.25	TN	66 Cont Soil				
		Inbound -- SELF HAULER				
		Roosevelt Landfill,				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

184528

YAKIMOO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

SITE	TICKET	GRID
01	0058896	000000

WEIGHTMASTER
OH000036

DATE IN	TIME IN
10 October 2005	7:43 am
DATE OUT	**TIME OUT**
10 October 2005	8:10 am
VEHICLE	**ROLL OFF**
1	
REFERENCE	**ORIGIN**
05-1305	Yakima

0155a1
West Park Properties

Contract: GENERAL

1 Gross Weight 107,830.00 LB
Tare Weight 39,600.00 LB
Net Weight 68,230.00 LB 34.14 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
34.14	TN	56 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

184678

RABANCO REGIONAL DISPOSAL
P.O. BOX 938
Roosevelt, WA 99356
(509) 384-5641

015561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	006036	000000

WEIGHMASTER
BH000036

DATE IN	TIME IN
10 October 2005	1:03 pm
DATE OUT	**TIME OUT**
10 October 2005	1:42 pm

VEHICLE	ROLL OFF
40	

REFERENCE	ORIGIN
05-1305	Yakima

1 Gross Weight 97,600.00 LB
Tare Weight 39,100.00 LB
Net Weight 58,500.00 LB 29.25 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.25	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

184685

HAGANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

SITE	TICKET	GRID
01	006043	000000

WEIGHMASTER
G400036

DATE IN	TIME IN
10 October 2005	1:19 pm
DATE OUT	**TIME OUT**
10 October 2005	1:52 pm

VEHICLE	ROLL OFF
35	

REFERENCE	ORIGIN
05-1305	Yakima

015Sol
West Park Properties

Contracts GENERAL

1 Gross Weight 94,480.00 LB
Tare Weight 39,100.00 LB
Net Weight 55,380.00 LB 27.69 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.69	TN	66 Cont Soil				
		Inbound -- SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

194687

BENTON REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-6641

01554.1
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	006045	000000

WEIGHMASTER
GH00036

DATE IN	TIME IN
10 October 2005	1:25 pm
DATE OUT	**TIME OUT**
10 October 2005	1:54 pm

VEHICLE	ROLL OFF
1	

REFERENCE	ORIGIN
05-1305	Yakima

1 Gross Weight 99,860.00 LB
Tare Weight 39,220.00 LB
Net Weight 60,640.00 LB 30.33 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.33	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

189135

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(506) 384-5641

015561 - 0001
West Park Properties LLC.
West Park Properties

Contract: 05-1305

SITE	TICKET	GRID
01	010003	000000
	JF00025	

WEIGHMASTER

DATE IN	TIME IN
8 October 2005	10:41 am

DATE OUT	TIME OUT
8 October 2005	10:41 am

VEHICLE	ROLL OFF
2786	RBDU201108

REFERENCE	ORIGIN
RBDU201108	Yakima

1 Gross Weight 90,200.00 LB
Tare Weight 40,580.00 LB
Net Weight 49,620.00 LB 24.81 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
24.81	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		42643				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

189136

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(506) 384-5641

015561 - 0001
West Park Properties LLC.
West Park Properties

Contract: 05-1305

SITE 01 TICKET 010005	GRID 000000
JF00025 WEIGHMASTER	
DATE IN 9 October 2005	TIME IN 10:43 am
DATE OUT 9 October 2005	TIME OUT 10:43 am
VEHICLE 2264	ROLL OFF RSDU201034
REFERENCE RSDU201034 Yakima	ORIGIN

1 Gross Weight 97,580.00 LB
Tare Weight 40,200.00 LB
Net Weight 57,380.00 LB 28.69 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.69	TN	66 Cont Soil				
		Inbound - SELF HAULER 42635 Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(506) 384-5641

189137

SITE 01 TICKET 010007 GRID 000000

JF000E0 WEIGHTMASTER

DATE IN 8 October 2005 TIME IN 10:44 am

DATE OUT 8 October 2005 TIME OUT 10:44 am

VEHICLE 274 ROLL OFF RABU200009

REFERENCE RABU200009 ORIGIN Yakima

015561 - 0001
West Park Properties LLC.
West Park Properties

Contract: 05-1305

1 Gross Weight 104,240.00 LB
Tare Weight 39,840.00 LB
Net Weight 64,400.00 LB 32.20 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.20	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		42654				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

189573

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

015561 - 0001
West Park Properties LLC.
West Park Properties

Contract: 05-1305

SITE	TICKET	GRID
01	015449	000000
WEIGHMASTER	JF00025	
DATE IN	7 October 2005	TIME IN 4:16 pm
DATE OUT	7 October 2005	TIME OUT 4:16 pm
VEHICLE	4122	ROLL OFF RRDU201272
REFERENCE	RRDU201272	ORIGIN Yakima

Gross Weight 98,740.00 LB
Tare Weight 42,740.00 LB
Net Weight 56,000.00 LB 28.00 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.00	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

191670

BENCO REGIONAL DISPOSAL
P.O. BOX 308
Roosevelt, WA 99356
(509) 384-5641

015561
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	006369	000000

WEIGHMASTER: GH000036

DATE IN	TIME IN
11 October 2005	10:22 am

DATE OUT	TIME OUT
11 October 2005	11:01 am

VEHICLE	ROLL OFF
035	

REFERENCE	ORIGIN
05-1305	Yakima

1. Gross Weight 94,480.00 LB
Tare Weight 39,080.00 LB
Net Weight 55,400.00 LB 27.70 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.70	TN	66 Cont Soil				
		Inbound - SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Tim Bryan

191671

RABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

SITE	TICKET	GRID
01	006390	000000

WEIGHMASTER: GH00036

DATE IN	TIME IN
11 October 2005	10:24 am

DATE OUT	TIME OUT
11 October 2005	11:05 am

VEHICLE	ROLL OFF
40	

REFERENCE	ORIGIN
	Yakima

013561
West Park Properties

Contract: GENERAL

1 Gross Weight 95,040.00 LB
Tare Weight 38,860.00 LB
Net Weight 56,180.00 LB 28.09 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.09	TN	66 Cont Soil				
		Inbound - SELF HAULER 05-1305 Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE

193188

KABANCO REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5441

015561 - 0001
West Park Properties LLC.
West Park Properties

Contract: 05-1305

SITE	TICKET	GRID
3	011706	000000

WEIGHTMASTER: BH00036

DATE IN	TIME IN
1 November 2005	6:23 am

DATE OUT	TIME OUT
1 November 2005	6:56 am

VEHICLE	ROLL OFF
274	RBDU201136

REFERENCE	ORIGIN
RBDU201136	Seattle

1 Gross Weight 103,580.00 LB
Tare Weight 64,620.00 LB
Net Weight 58,960.00 LB 29.48 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.48	TN	66 Cont Soil				
		10/19/05				
		Inbound - RAIL TICKET				
		DTTX456472				
		Seattle 20 - 48 Ft				

162767
0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE _____

3 007129 [Reprint] 000000

JF

12 October 2005 12:32 am

12 October 2005 12:32 am

015561 - 0001
West Park Properties LLC.
West Park Properties

374 RBDU201136

Contract: 05-1305

RBDU201136 Seattle

Gross Weight	90,680.00	lb	
Tare Weight	41,440.00	lb	
Net Weight	49,240.00	lb	24.62 TN

24.62 TN 66 Cont Soil

Inbound - RAIL TICKET
DTTX456472
Seattle 20 - 48 Ft

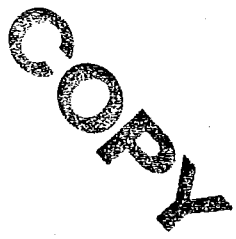
162787

0.00 YD

3 007391 [Reprint] 000000

JF

12 October 2005 11:40 am



015561 - 0001
West Park Properties LLC.
West Park Properties

12 October 2005 11:40 am

375 RBDU201183

Contract: 05-1305

RBDU201183 Seattle

Gross Weight	87,900.00	lb	
Tare Weight	40,340.00	lb	
Net Weight	47,560.00	lb	23.78 TN

23.78	TN	66	Cont Soil

Inbound - RAIL TICKET
TTCX95226
Seattle 20 - 48 Ft

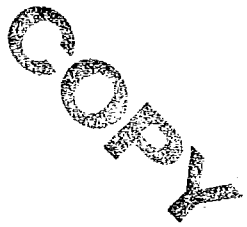
162786

0.00 YD

3 007395 [Reprint] 000000

JF

12 October 2005 11:43 am



015561 - 0001
West Park Properties LLC.
West Park Properties

12 October 2005 11:43 am

2786 RBDU201184

Contract: 05-1305

RBDU201184 Seattle

Gross Weight	102,900.00	lb	
Tare Weight	40,500.00	lb	
Net Weight	62,400.00	lb	31.20 TN

31.20 TN 66 Cont Soil

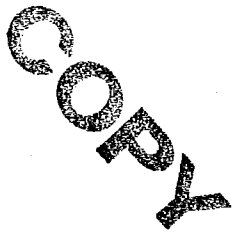
Inbound - RAIL TICKET
TTCX95226
Seattle 20 - 48 Ft

162819
0.00 YD

3 008542 [Reprint] 000000

VR

19 October 2005 5:15 pm



015561 - 0001
West Park Properties LLC.
West Park Properties

19 October 2005 5:33 pm

7328 RBDU201259

Contract: 05-1305

RBDU201259 Seattle

Gross Weight	99,280.00	lb	
Tare Weight	47,160.00	lb	
Net Weight	52,120.00	lb	26.06 TN

26.06 TN 66 Cont Soil

Inbound - RAIL TICKET
DTTX456103
Seattle 20 - 48 Ft

162819

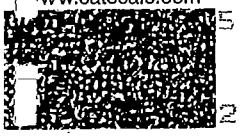
0.00 YD

93303462

TICKET NUMBER

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com



THE CAT SCALE GUARANTEE

The CAT Scale Company **GUARANTEES** that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (toll free).
3) IMMEDIATELY send a copy of the citation, CAT Scale ticket, your name, company, address, and phone number to CAT Scale Company Attn: Operations Manager.

THANK YOU FOR WEIGHING ON CAT SCALE!

The four weights shown below are separate weights. The TOTAL WEIGHT was weighed on a full length platform scale. **AXLE WEIGHTS CAN NOT BE CERTIFIED** and are **NOT LEGAL FOR TRADE, however, CAT SCALE COMPANY GUARANTEES THESE WEIGHTS TO BE CORRECT.**

DATE:

STEER AXLE	17640	LB
DRIVE AXLE	31580	lb
TRAILER AXLE	39480	lb
TOTAL WEIGHT	88900	lb

SCALE LOCATION: 509 GEARJAMMER TRAVEL PLAZA I 82 EXIT 36 UNION GAP WA

COMPANY J L LEASING TRACTOR # 75 TRAILER # 20001

WEIGHERS SIGNATURE: ABBY FORD FEE: 8.00 FULL WEIGH TICKET # _____ (IF REWEIGH)

ONLY CERTIFIED WEIGHTS APPEAR BELOW THIS LINE

CERTIFIED WEIGHTS (imprint seal)

GROSS

TARE

NET

WEIGH NUMBER 3462

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a Weighmaster, whose signature is on this Certificate, who is a recognized authority of accuracy, as prescribed by State Law.

COMMODITY WEIGHED: FREIGHT ALL KINDS

REMARKS: _____

TRACTOR LICENSE # _____ TRACTOR # _____

TRAILER LICENSE # _____ TRAILER # _____

TRAILER LICENSE # _____ TRAILER # _____

NAME OF WEIGHMASTER (print): _____

WEIGHMASTER SIGNATURE: _____

93917619

TICKET NUMBER

CAT® SCALE

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

[redacted]

THANK YOU FOR WEIGHING ON CAT SCALE!

THE CAT SCALE GUARANTEE

The CAT Scale Company **GUARANTEES** that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (toll free).
3) IMMEDIATELY send a copy of the citation, CAT Scale ticket, your name, company, address, and phone number to CAT Scale Company Attn: Operations Manager.

The four weights shown below are separate weights. The TOTAL WEIGHT was weighed on a full length platform scale. **AXLE WEIGHTS CAN NOT BE CERTIFIED** and are **NOT LEGAL FOR TRADE, however, CAT SCALE COMPANY GUARANTEES THESE WEIGHTS TO BE CORRECT.**

DATE: 10/06/05

SCALE LOCATION: HORSE HEAVEN HIL
I 82 EXIT 80
PROSSER WA

STEER AXLE 18260 lb

DRIVE AXLE 37220 lb

TRAILER AXLE 47340 lb

TOTAL WEIGHT 102820 lb

COMPANY JL Leasing TRACTOR # 75 TRAILER # RBOU 20126

WEIGHERS SIGNATURE: [signature] FEE: 8.00

FULL WEIGH TICKET # ____________
(IF REWEIGH)

ONLY CERTIFIED WEIGHTS APPEAR BELOW THIS LINE

CERTIFIED WEIGHTS
(imprint seal)

GROSS

TARE

NET

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a Weighmaster, whose signature is on this Certificate, who is a recognized authority of accuracy, as prescribed by State Law.

COMMODITY WEIGHED: ____________

REMARKS: ____________

TRACTOR LICENSE # ____________ TRACTOR # ____________

TRAILER LICENSE # ____________ TRAILER # ____________

TRAILER LICENSE # ____________ TRAILER # ____________

NAME OF WEIGHMASTER (print): ____________

WEIGHMASTER SIGNATURE: ____________

184228

KITTITAS REGIONAL DISPOSAL
P.O. BOX 338
Roosevelt, WA 99356
(509) 384-5641

015361
West Park Properties

Contract: GENERAL

SITE	TICKET	GRID
01	005586	000000

WEIGHMASTER: GH00036 VOID

DATE IN	TIME IN
8 October 2005	7:42 am

DATE OUT	TIME OUT
8 October 2005	8:15 am

VEHICLE	ROLL OFF
1	

REFERENCE	ORIGIN
05-1305	Yakima

1. Gross Weight 101,200.00 LB
Tare Weight 39,960.00 LB
Net Weight 61,240.00 LB 30.62 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.62	TN	07 [redacted]				
30.62	TN	66 [redacted]				
		Inbound -- SELF HAULER				
		Roosevelt Landfill				

0.00 YD

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE [redacted]

Certification No. 05-1305
Billing Acct. No. 15561
Product Code. 66

BILL OF LADING

"Contained In"

REGIONAL DISPOSAL COMPANY
54 South Dawson Street
Seattle, WA 98134
Telephone: (206) 332-7100 / Fax: (206) 332-7600

This Bill of Lading augments the Master Service Agreement ("Agreement") entered into by West Park Prop ("Customer") and Regional Disposal Company ("RDC") on 10/3/05 (date). The terms herein are made a part of the Agreement. In the event of conflict between this Bill of Lading and the Agreement, the terms of the Agreement prevail.

RDC hereby authorizes the Wastes ("Waste") described in Certification No. 05-1305, signed by Customer on 10/3/05 (date), for disposal at Roosevelt Regional Landfill. Customer shall present a copy of this Bill of Lading with each shipment delivered.

Location of Waste: 4001 Summit View Ave, Yakima

Method of Shipment: 9d & Trucks and Kenleingang Excavating Co. Trucks

Additional Fees (e.g., laboratory fees, transporation fees, special handling fees; etc. If none, so state):

PERFORMANCE DATE

FOR RDC TRANSPORTATION: Customer shall make the Waste available for shipment no later than _____(date). RDC shall transport the Waste no later than _____(date), unless RDC notifies the Customer in writing that Waste transport shall be suspended or canceled due to RDC's exercise of its right to inspect or analyze the Waste (as provided in the Agreement).

FOR CUSTOMER TRANSPORTATION: Customer shall begin delivery of the Waste at *[check one]*:

☒ Roosevelt Regional Landfill. ☐ Seattle Transfer Station located at Third and Lander.

Waste delivery shall begin no later than _____ (date), and shall complete delivery of the Waste no later than _____ (date), unless RDC notifies Customer in writing to suspend or cancel the waste delivery due to RDC's exercise of its right to inspect or analyze the Waste (As provided in the Agreement).

CUSTOMER	REGIONAL DISPOSAL COMPANY
Signature	Signature
Ryan Mathews, Project Manager	Leslie A. Whiteman – Sales Coordinator
Printed Name and Title	Printed Name and Title
10/04/05	
Date	Date

Hwy 12 – 40th Ave Exit

ALL TRUCKS MUST HAVE A COPY OF THIS BILL OF LADING WHEN DELIVERING WASTE TO THE TRANSFER STATION OR TO THE LANDFILL.

Revised: 1/26/96

Ryan – 509 – 728 – 2424
Peggy 509 728 – 2414