

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

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Electronic Copy

April 11, 2017

Mr. Alan Noell Aspect Consulting 401 Second Avenue, Suite 201 Seattle, Washington 98104

Re: Opinion on Proposed Cleanup of the following Site:

• **Site Name:** Walker Chevrolet (aka, Bruce Titus Chevrolet, Friendly Chevrolet)

• Site Address: 633 Division Avenue, Tacoma, Washington 98403-3126

Facility/Site No.: 3427832
Cleanup Site ID: 5318
VCP Project No.: SW1040

Dear Mr. Noell:

The Washington State Department of Ecology (Ecology) received your request for an opinion on your proposed independent cleanup of the former Walker Chevrolet facility (Site). This letter provides our opinion. We are providing this opinion under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

Issue Presented and Opinion

Upon completion of the proposed cleanup, will further remedial action likely be necessary to clean up contamination at the Site?

NO. Ecology has determined that, upon completion of your proposed cleanup, no further remedial action will likely be necessary to clean up contamination at the Site.

This opinion is based on an analysis of whether the remedial action meets the substantive requirements of MTCA, Chapter 70.105D RCW, and its implementing regulations, Chapter 173-340 WAC (collectively "substantive requirements of MTCA"). The analysis is provided below.

Description of the Site

This opinion applies only to the Site described below. The Site is defined by the nature and extent of contamination associated with the following releases:

- Total petroleum hydrocarbons (TPH) in the gasoline range (TPH-G), TPH in the diesel range (TPH-D), TPH in the oil range (TPH-O) into the Soil and Groundwater.
- Volatile organic compounds (VOCs) into the Soil, Groundwater, and Air.
- Chlorinated VOCs into the Soil, Groundwater, and Air.
- Metals into the Soil and Groundwater.
- Polychlorinated biphenyls (PCBs) into the Soil.
- Vapor-phase hydrocarbons into the Air.

Enclosure A includes a detailed description and diagram of the Site, as currently known to Ecology.

Please note that parcel(s) of real property associated with this Site are also located within the projected boundaries of the Morrells Dry Cleaning facility (Facility/Site ID #18489568). At this time, we have no information that those parcel(s) are actually affected. This opinion does not apply to any contamination associated with the Morrells Dry Cleaning facility (Morrell's).

Please note the parcel of real property associated with this Site is also located within the projected boundaries of the Asarco Tacoma Smelter facility (# 89267963). At this time, we have no information that the parcel is actually affected. This opinion does not apply to any contamination associated with the Asarco Tacoma Smelter facility.

Basis for the Opinion

- 1. Aspect Consulting, LLC (Aspect), *Remedial Investigation and Feasibility Study*, dated July 25, 2016
- 2. Aspect, Focused Feasibility Study, Former Walker Chevrolet, dated June 3, 2015.
- 3. Aspect, Focused Feasibility Study, Former Walker Chevrolet, dated May 16, 2014.
- 4. Stemen Environmental, Inc. (Stemen), Due Diligence Sampling for Walker Chevrolet, 633 Division Avenue, Tacoma, WA 98403, dated August 2006.
- 5. Bison Environmental Northwest, Inc. (Bison), *Independent Remedial Action Report Summary and Disposal Certificate, Walker Chevrolet, 633 Division Avenue, Tacoma, WA*, dated December 7, 1994.
- 6. Bison, *Phase 2B Subsurface Sampling, Walker Chevrolet Paint Booth, 633 Division Avenue, Tacoma, WA*, dated September 12, 1994.

Mr. Alan Noell April 11, 2017 Page 3

7. Bison, UST Removal Site Assessment and Independent Remedial Action Report for Walker Chevrolet, 633 Division Avenue, Tacoma, WA 98403, dated August 1994.

Those documents are kept in the Central Files of the Southwest Regional Office of Ecology (SWRO) for review by appointment only. You can make an appointment by calling the SWRO resource contact at (360) 407-6365.

Analysis of the Cleanup

Ecology has concluded that, upon completion of your proposed cleanup, **no further remedial action** will likely be necessary to clean up contamination at the Site. That conclusion is based on the following analysis:

1. Characterization of the Site.

Ecology has determined your characterization of the Site is sufficient to establish cleanup standards and select a cleanup action. The Site is described in more detail in Ecology's previous opinion letter dated November 17, 2014 (Attachment A).

The Site contains two tax parcels, located at 633 Division Avenue and 100 North G Street in Tacoma, Washington (Figure 1). Tax parcel 2030-12-0032 includes the former south gas station and the former paint booth area and tax parcel 2031-13-0025 includes the former north gas station (Figure 2).

Between 1994 and 2016 multiple investigations of soil, groundwater, and air (indoor, ambient, and sub slab) were completed at the Site (Tables 1 through 5).

Summary of 2016 Investigations:

In March 2016, Aspect advanced deep soil boring AB-2D adjacent to soil boring AB-2 to delineate the vertical extent of soil contamination. TPH-G was detected at concentrations of 670 mg/kg at 15 feet bgs and at 18 mg/kg at 27.5 feet bgs.

On April 20, 2016, Aspect decommissioned monitoring well MW-1, located within the former south gas station footprint during building expansion activities.

During February and May 2016, Aspect advanced soil borings B10 to B21 using a dolly-mounted probe rig in the vicinity of former paint booth area. The dolly-mounted probe rig was the only rig capable of operating within the grocery store confines.

Soil boring B10 was advanced near the highest previously detected contamination to refine the vertical delineation of TPH and chlorinated VOC contamination detected in

borings B1and B5. No contamination was detected in boring B10, but since the probe met refusal at 5 feet bgs, borings B13 and B14 were advanced to delineate the vertical extent of contamination. The probe met refusal at 0.75 feet bgs in boring B13, but was able to extend to a depth of 11 feet bgs in boring B14. Four samples were submitted for the analysis of TPH-G, TPH-Dx, and VOCs. No constituents were detected above the MTCA Method A cleanup levels.

Four soil borings (B11, B12, B15, and B16) were advanced to define the lateral extent of contamination near the former paint booth. Borings B12 and B15 were advanced north and south of the former paint booth, boring B11 was advanced east of the former paint booth, and boring B16 was advanced on the sidewalk west of the former paint booth. TPH-G, TPH-D, TPH-O, lead, PCE, and PCBs were detected at 12,000 mg/kg, 5,800 mg/kg, 17,000 mg/kg, 3,250 mg/kg, 0.16 mg/kg, and 2.02 mg/kg, respectively at 5.5 feet in boring B11. No deeper samples were collected from boring B11 due to the limitations of the drilling rig. No analytes were detected above the MTCA Method A cleanup levels from borings B12, B15, or B16.

Aspect completed an additional investigation to delineate the extent contamination in the vicinity of boring B11 by advancing borings B17 through B21. TPH-G, toluene, and xylenes were detected at concentrations greater than the MTCA Method A cleanup levels at 190 mg/kg, 11 mg/kg, and 14 mg/kg, respectively at 9.5 feet bgs at boring B21. No analytes were detected above the MTCA Method A cleanup levels from borings B17 through B20.

Monitoring well MW-11 is located beneath the former paint booth area and downgradient of borings B11 and B21. Aspect collected groundwater samples from MW-11 on six occasions between May 2009 and February 2016. The concentrations of the chemicals of concern were below the Method A groundwater cleanup levels. TCE was the only chemical of concern detected in groundwater. The 95 percent upper confidence limit of the concentration of TCE is below the Method A groundwater cleanup level.

In March 2016, Aspect conducted a building survey which included interviewing the grocery store manager to identify chemical storage areas and the operation of the HVAC system, to inspect air intake dampers for the HVAC system, and to inspect and inventory chemicals in the storage areas. The building survey identified two HVAC systems, three air-intake dampers, two containers of oil, three cans of spray paint with light range hydrocarbons, and hydrocarbons in the floor cleaner, the sanitizer, and the disinfectant cleaner.

Aspect concluded that the building survey supported the conclusion that the benzene and vapor-phase hydrocarbon detections above the floor drain in the produce preparation area originate from vehicle exhaust sources outside the building and/or commercial processes inside the building. As indicated in WAC 173-340-750(1)(a), the MTCA cleanup standards for air quality do not apply to hazardous substances in the air that originate from commercial processes in the building or from off-Site sources.

In May 2016, Aspect collected sub-slab soil gas sample SSV-051016 in the immediate vicinity of soil boring B11 and analyzed it for select VOCs and chlorinated VOC only. No analytes were detected above the Method B sub-slab soil gas screening levels; however, vapor-phase hydrocarbons were not analyzed as sub-slab sample SS-FPB-032015 was used as confirmation in this area.

Remaining contamination at the Site above MTCA Method A cleanup levels includes TPH-G, TPH-D, TPH-O, BTEX, tetrachloroethylene, trichloroethylene, lead, and/or polychlorinated biphenyls in soil in the vicinity of the former paint booth area (Figure 3) or on the former south gas station property extending into the City of Tacoma right-of-way. (Figure 4).

2. Establishment of cleanup standards.

Ecology has determined the cleanup levels and points of compliance you established for the Site meet the substantive requirements of MTCA. MTCA Method A cleanup levels for unrestricted land use of soil and groundwater have been used to characterize the Site. The MTCA Method A cleanup levels used are:

	Analyte	Soil:	Groundwater:	Air:
	TPH-G	30 mg/kg	1,000 ug/l	NA
•	TPH-D	2,000 mg/kg	500ug/l	NA
•	TPH-O	2,000 mg/kg	500ug/l	NA
0	Benzene	0.03 mg/kg	5 ug/l	0.321 ug/m3
0	Toluene	7 mg/kg	1,000 ug/l	2,290 ug/m3
0	Ethylbenzene	6 mg/kg	700 ug/l	457 ug/m3
0	Xylenes	9 mg/kg	1,000 ug/l	45.7 ug/m3
0	Lead (total)	250 mg/kg	15 ug/l	NA
0	Arsenic	20 mg/kg	5 ug/l	NA
0	PCE	0.05 mg/kg	5 ug/l	9.62 ug/m3
0	TCE	0.03 mg/kg	5 ug/l	0.37 ug/m3
0	PCBs (TEQ)	1 mg/kg	0.1 ug/l	NA
	NA= NOT APPLICABLE			

Standard points of compliance are currently being used for the Site. The point of compliance for protection of groundwater is established in the soils throughout the Site. For soil cleanup levels based on human exposure via direct contact or other exposure pathways where contact with the soil is required to complete the pathway, the point of compliance is established in the soils throughout the Site from the ground surface to 15 feet below ground surface (bgs). In addition, the point of compliance for the groundwater

is established throughout the Site from the uppermost level of the saturated zone extending vertically to the lowest most depth that could potentially be affected by the Site.

3. Selection of cleanup action.

Ecology has determined the cleanup action you proposed for the Site meets the substantive requirements of MTCA.

In the July 17, 2016 Remedial Investigation Feasibility Study, Aspect selected Alternative 1 as the preferred remedy for this Site. Alternative 1 includes the decommissioning of MW-11, the recording of an environmental covenant for tax parcel 2030-12-0032, and notifying the City that TPH contamination was identified in the 15 to 16.5 foot bgs interval of permitted soil borings in the ROW, i.e., AB-2, AB-2D, and AB-3. The environmental covenant would require notification to Ecology of any soil disrupting activities that have the potential to distribute contamination.

COMMENTS:

Based on a review of the available information, Ecology concurs with Aspect's conclusion the Site has been sufficiently delineated and is ready to select and conduct their proposed remedial alternative. Ecology has the following comments:

- 1. Please provide a draft environmental covenant for review that includes the following:
 - a. Restricts land use to activities that will not threaten human health or the environment.
 - b. Contains contaminated soil under an impermeable containment cap.
 - c. Provides a monitoring plan to ensure the long term effectiveness, maintenance, and integrity of the cap.
 - d. Because PCS extends off-property into the North First Street and Division Avenue right-of-way, the environmental covenant needs to also include the City of Tacoma as a subordinate to the Environmental Covenant.
 - e. As part of Exhibit A, legal description, please conduct a title search and include a parcel map depicting the location of the impacted parcels, including impacted portions of the right-of-way.
 - f. Address easements and right-of-ways for potential applicable subordination agreements.
 - g. The Site figure to be included as Exhibit B should clearly delineate the

remaining contamination.

- i. Include a scaled accurate location of soil restrictions to be imposed on the Site.
- ii. Include the accurate locations of soil, groundwater, and vapor sampling locations and borings. Depict each sample location that exceeds the applicable cleanup level. Illustrate these sampling locations in red and include a table with applicable contaminant concentrations.
- 2. In accordance with WAC 173-340-840(5), and Ecology Toxics Cleanup Program Policy 840 (Data Submittal Requirements), data generated for Independent Remedial Actions shall be submitted simultaneously in written and electronic format.
- 3. Tax parcel 2031-13-0025 (north gas station) does not need to be included in the environmental covenant and No Further Action is warranted. If a separate letter is required, please re-apply to the VCP for the north gas station property.

For more information on how to create an environmental covenant, please refer to the Uniform Environmental Covenants Act (UECA), Chapter 64.70 RCW, and WAC 173-340-440 of the MTCA Cleanup Regulation.

Limitations of the Opinion

1. Opinion does not settle liability with the state.

Liable persons are strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the release or releases of hazardous substances at the Site. This opinion **does not**:

- Resolve or alter a person's liability to the state.
- Protect liable persons from contribution claims by third parties.

To settle liability with the state and obtain protection from contribution claims, a person must enter into a consent decree with Ecology under RCW 70.105D.040(4).

2. Opinion does not constitute a determination of substantial equivalence.

To recover remedial action costs from other liable persons under MTCA, one must demonstrate that the action is the substantial equivalent of an Ecology-conducted or

Ecology-supervised action. This opinion does not determine whether the action you proposed will be substantially equivalent. Courts make that determination. *See* RCW 70.105D.080 and WAC 173-340-545.

3. Opinion is limited to proposed cleanup.

This letter does not provide an opinion on whether further remedial action will actually be necessary at the Site upon completion of your proposed cleanup. To obtain such an opinion, you must submit a report to Ecology upon completion of your cleanup and request an opinion under the VCP.

4. State is immune from liability.

The state, Ecology, and its officers and employees are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing this opinion. See RCW 70.105D.030(1)(i).

Contact Information

Thank you for choosing to clean up the Site under the Voluntary Cleanup Program (VCP). As you conduct your cleanup, please do not hesitate to request additional services. We look forward to working with you.

For more information about the VCP and the cleanup process, please visit our web site: www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm. If you have any questions about this opinion, please contact me by phone at (360)407-6347 or e-mail at Nicholas.Acklam@ecy.wa.gov.

Sincerely,

Nicholas M. Acklam

SWRO Toxics Cleanup Program

NMA: kb

Enclosures ([10]): A – Attachments, Figures, and Tables of the Site

By Certified Mail: [91 7199 9991 7037 0279 7642]

cc: David C. and Barbara Shaw

Darrel E. and Lois J. Wickham, Revocable Trust

Zona M. Wickham c/o Todd Wickham

Mr. Rob Olson

Ms. Carol Johnston – Ecology

Mr. Matthew Alexander - Ecology

Attachment A

Ecology Opinion Letter November 17, 2014



STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300 711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

November 17, 2014

Mr. Joe Morrice Aspect Consulting 401 Second Avenue, Suite 201 Seattle, Washington 98104

Re: Further Action at the following Site:

• Site Name: Bruce Titus Chevrolet

• Site Address: 633 Division Avenue, Tacoma, Washington 98403-3126

Facility/Site No.: 3427832

• Cleanup Site ID: 5318

VCP Project No.: SW1040

Dear Mr. Morrice:

The Washington State Department of Ecology (Ecology) received your request for an opinion on your independent cleanup of the Bruce Titus Chevrolet facility (Site). This letter provides our opinion. We are providing this opinion under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

Issue Presented and Opinion

Is further remedial action necessary to clean up contamination at the Site?

YES. Ecology has determined that further remedial action is necessary to clean up contamination at the Site.

This opinion is based on an analysis of whether the remedial action meets the substantive requirements of MTCA, Chapter 70.105D RCW, and its implementing regulations, Chapter 173-340 WAC (collectively "substantive requirements of MTCA"). The analysis is provided below.

Description of the Site

This opinion applies only to the Site described below. The Site is defined by the nature and extent of contamination associated with the following releases:

- Total petroleum hydrocarbons (TPH) in the gasoline range (TPH-G), TPH in the diesel range (TPH-D), TPH in the oil range (TPH-O) into the Soil and Groundwater.
- Volatile Organic Compounds (VOCs) into the Soil and Groundwater.
- · Metals into the Soil and Groundwater.

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Mr. Joe Morrice November 17, 2014 Page 2

Enclosure A includes a detailed description and diagram of the Site, as currently known to Ecology.

Please note that parcel(s) of real property associated with this Site are also located within the projected boundaries of the Morrells Dry Cleaning facility (Facility/Site ID #18489568). At this time, we have no information that those parcel(s) are actually affected. This opinion does not apply to any contamination associated with the Morrells Dry Cleaning facility (Morrell's).

Basis for the Opinion

This opinion is based on the information contained in the following documents:

- 1. Aspect Consulting, LLC (Aspect), Focused Feasibility Study, Former Walker Chevrolet, dated May 16, 2014.
- 2. Stemen Environmental, Inc. (Stemen), Due Diligence Sampling for Walker Chevrolet, 633 Division Avenue, Tacoma, WA 98403, dated August 2006.
- 3. Bison Environmental Northwest, Inc. (Bison), Independent Remedial Action Report Summary and Disposal Certificate, Walker Chevrolet, 633 Division Avenue, Tacoma, WA, dated December 7, 1994.
- Bison, Phase 2B Subsurface Sampling, Walker Chevrolet Paint Booth, 633 Division Avenue, Tacoma, WA, dated September 12, 1994.
- 5. Bison, Phase 2 Studies, Floor Drain and Heating Oil UST Closure, Walker Chevrolet Paint Booth, 633 Division Avenue, Tacoma, WA, dated August 15, 1994.
- 6. Bison, UST Removal Site Assessment and Independent Remedial Action Report for Walker Chevrolet, 633 Division Avenue, Tacoma, WA 98403, dated August 1994.
- 7. Bison, Phase I Environmental Site Assessment [ESA] and Independent Remedial Action Report for Walker Chevrolet, 633 Division Avenue, Tacoma, WA 98403, dated August 1994.

Those documents are kept in the Central Files of the Southwest Regional Office of Ecology (SWRO) for review by appointment only. You can make an appointment by calling the SWRO resource contact at (360) 407-6365.

This opinion is void if any of the information contained in those documents is materially false or misleading.

Analysis of the Cleanup

Ecology has concluded that further remedial action is necessary to clean up contamination at the Site. That conclusion is based on the following analysis:

1. Characterization of the Site.

Ecology has determined your characterization of the Site is not sufficient to establish cleanup standards and select a cleanup action. The Site is described above and in Enclosure A.

The Site contains three tax parcels, one of which contains a triangular shaped building on a triangular-shape tax parcel. Businesses currently operating on the Site are a grocery store, an automobile service business, and an automobile collision repair business, all located within the one triangular tax parcel; associated paved parking for the business are located on the two remaining parcels. The Site is located at 633 Division Avenue and 100 North G Street in Tacoma, Washington (see Figure 1). Sanborn Maps and historical records identified former gas service station operations on Pierce County tax parcels 2030120032 (South Gas Station) and 2031130023 (North Gas Station) from at least 1926 to the 1950s. A heating-oil underground storage tank (UST) was also identified under the building on parcel 2030120032 (see Figures 1, E2, and E3). The heating-oil UST was also taken out of service in 1994. Between the North and South Gas Stations, the Site had ten USTs between them; those USTs were removed in 1994. Five environmental investigations have been completed on the Property.

A short occupational history of the Site indicates the Annie Wright Seminary was identified on tax parcel 2030120033 on the 1888 Sanborn map; in subsequent years, the school expanded into tax parcel 2030120032 until 1924 when the school moved to a new location (see Figure E1). Apparently, the school was demolished after 1924. The first occupant of the current building at 633 Division Avenue was the Allen Motor Company. The structure was built in 1925 and the Allen Motor Company opened its doors in February 1926. They sold Hudson-Essex and Studebakers. The Allen Motor Company built an annex at 629-31 Division Avenue in 1929. Walker Chevrolet moved into the original building in late 1933. The annex was later occupied by the Packard Tacoma Company, followed by the Bradley Motor Company. The section of this building at 618-20 North 1st St. was converted into the Stadium Market in 1931. Car Star Auto Body Repair, Titus-Will Service and Tire, and Stadium Thriftway currently operate on the Site.

Bison Investigations

On August 11, 1994, Bison produced an ESA for the Site; they identified the past and/or current hazardous and environmental handling practices that lead to the current environmental condition of the Site. The report identified the South Gas Station (SGS) located at the south end of parcel 2030120032, the Paint Booth also on 2030120032, and the North Gas Station (NGS) on tax parcel 2031130023. The SGS had seven USTs, the Paint Both had one UST, and NGS had three USTs.

On August 2, 1994, Bison began excavation and removal of the seven USTs at the SGS. There were three excavations at the SGS to remove the USTs, a pump island, and petroleum-contaminated soil (PCS). The maximum depth of excavations at the SGS was approximately

10 feet below ground surface (bgs). Laboratory analytical results of residual soil (Borings S-1 and S-7) indicated TPH-G were still above the current MTCA Method A Soil Cleanup Level (CUL) for Unrestricted Land Uses of 30 milligrams per kilogram (mg/kg). Benzene was also identified at the SGS location above the applicable MTCA Method A CUL of 0.03 mg/kg. Other PCS derivatives were also identified at the location; however, those constituents of concern (COCs) were either removed from the location or were below their applicable MTCA CULs.

Beginning on August 3 through September, 1994, Bison investigated the Paint Booth location. The maximum depth investigated was 10 feet bgs with a direct-push probe; however, the horizontal and vertical limits of the contamination had not been delineated. COCs identified above their applicable CULs at the following sampling locations were (see Figure B4, Table A, and Table B):

- B5-5' methylene chloride;
- B5-7.5' TPH-O;
- B5-9'-TPH-O;
- B5-10' methylene chloride, tetrachloroethylene (PCE);
- B6-5' TPH-G, benzene*, toluene, EDB (ethylene dibromide)*, TCE (trichloroethylene)*, and PCE*; and
- B1-5.5' PCE, TCE*, EDB*, methylene chloride*, TPH-O, benzene*, toluene, total xylenes, and mercury*.

In addition to the fill port for the UST, there was also access to the UST through a floor sump; there were indications of unknown liquid material added to the UST at that access point and liquid material that had spilled to the floor and flowed into the sump. Two floor drains had excessive concentrations of TPHs, VOCs, and metals in the drain sediments. No contaminated soil was excavated from this location. The floor drains and sump were cleaned and sealed and the UST was decommissioned in place. Laboratory analytical results from sediments reclaimed from the drain lines indicated TPH, VOCs, and metals contamination well above applicable MTCA CULs; Bison recovered and disposed of those sediments. Bison estimated the extent of the contamination as a circle 14 feet in diameter from the center of the UST (see Figure B4).

On August 26, 1994, Bison began work on the NGS to excavate and remove three USTs and associated PCS. The maximum depth of the excavation at the SGS was approximately 20 feet. Laboratory analytical results indicated the highest TPH-O soil concentration was 21,000 mg/kg at 4 feet bgs and was excavated and removed from the Site. Additional analytical results of the extents of the excavation residual soil indicated all of the soil concentrations of the COCs at or below the applicable CULs had been excavated and removed (see Figures B1 and B2).

^{*} The laboratory reporting limit for the COC did not resolve down to the applicable MTCA CUL; the COC is presumed to be present.

Stemen Investigations

Starting in September 2006 until May 2007, Stemen conducted five soil and groundwater investigations of the Site. The limited soil sample results and the ambiguous and confusing report narrative for the investigation at the NGS appeared to indicate the PCS had been excavated and removed from the Site during the original 1994 UST decommissioning and removal (earlier sampling results from the 1994 UST decommissioning had already confirmed that). A monitoring well, MW-3, was installed to a depth of 67 feet bgs. Three attempts to measure groundwater at MW-3 did not indicate any measurable groundwater on tax parcel 2031130023.

Stemen also advanced direct-push probes at the former SGS location. The deepest advance completed at the SGS was 16 feet bgs at S-7. Stemen found TPH-G above its MTCA Method A CUL at S-7 and at S-1 at 15 feet bgs; analytical results indicated the maximum TPH-G concentration was 920 mg/kg, there was no reported analysis above the 15 feet bgs depth at that location nor were there any field descriptions or boring logs presented for review (see Figure S1 and Table S1). Analytical results also indicated benzene and total xylenes were above their applicable MTCA Soil CULs at S-1.

Stemen further identified issues with the Paint Booth location. The Stemen report reconfirmed soil contamination in the narrative as well as reported new soil contamination results; however, the Stemen report only contained partial analytical data to substantiate the new contamination claim. In 1996, soil analytical results indicated arsenic above its MTCA Method A CUL level of 20 mg/kg under the floor slab at 4 feet and 8 feet bgs. In May 2008, Stemen did provide some analytical data to indicate that the sub-slab soil vapor concentrations were above the screening levels for PCE at three locations (GV-1, GV-2, and GV-3). The highest PCE soil vapor concentration was 1,000 micrograms per cubic meter (μ g/m³), the PCE soil gas screening level is 4 μ g/m³ (see Figure S2 and Table 1-5).

Starting in January 2007 until January 2008, Stemen installed eight monitoring wells (MW-1 through MW-8); MW-1, MW-3, and MW-5 were installed on the Site. The other wells were part of the Morrell's investigation, which was happening concurrently. Stemen sampled the three Site wells for VOCs; PCE and benzene were identified in MW-1 at groundwater concentrations below the applicable MTCA Method A Groundwater CULs in August 2007. Subsequent sample results indicated that no VOC was identified above its applicable laboratory reporting limit. The Stemen groundwater investigation of the Site did not indicate any COCs above their applicable MTCA Method A or Method B CULs (see Table 1-3).

Aspect Investigations

In October 2008, Aspect began groundwater investigations of the Site concurrently with the Morrell's site. After four, nonconsecutive sampling events, analytical results from MW-1 indicated that groundwater was not impacted at the SGS. MW-3 never had measurable groundwater and was abandoned sometime after May 2009; no additional work was done at the NGS. MW-11 was installed in May 2008 at the former Paint Booth/UST location to a

depth of 70 feet bgs; apparently neither soil analytical evaluation nor field evaluation of soil vapors were completed at that location during the well install and no additional evaluation of the soil at that location was reported. Laboratory analytical results at MW-5 indicated groundwater concentrations of PCE and TCE above their respective MTCA Method A CULs of 5 micrograms per liter (µg/L). Carbon tetrachloride (CT) was also present above its. Method B Cancer CUL of 0.6 µg/L (see Figure 1 and Table 1-3).

In December 2013, Aspect advanced one boring at AB-1 on the SGS location using a hollow stem auger to 61.5 feet bgs (see Figure 1). Analytical results from AB-1 at 15 feet bgs indicated that TPH-G was still present at that location with a soil concentration of 37 mg/kg, just exceeding the MTCA Method A CUL for TPH-G; TPH-G was still detected at that location at the 25 feet bgs depth below the MTCA CUL. Field parameters above the 15-foot depth location at AB-1 seemed to indicate little evidence of residual soil above that depth; however, field observations indicated elevated soil vapors down to 20 feet bgs.

In January 2014, Aspect conducted an evaluation of the sub-slab soil vapor and indoor air at the Paint Booth/UST location and in the produce cooler, respectively; the sub-slab sample was collected just outside the building footprint under the sidewalk (see Figure 1). An outdoor ambient air sample was also collected outside the building; that sample was also above the PCE soil gas concentration screening level (see Table 1-5). The indoor air sample was collected in the produce cooler; the PCE indoor air concentration was 0.61 μ g/m³, the MTCA Method B air CUL for cancer risk is 9.6 μ g/m³. Aspect concluded the PCE indoor air concentrations were substantially below the applicable CUL.

During their investigations of the Site, Aspect concluded the Site had been sufficiently delineated to meet the substantive requirements of MTCA. In May 2014, Aspect prepared a focused feasibility study and disproportionate cost analysis for a Site remedy. Aspect presented four alternatives:

- Alternative 1 No Additional Action.
- Alternative 2 Institutional Controls.
- Alternative 3 Soil Vapor Extraction for Former Paint Booth and
- Alternative 4 Permanent Cleanup.

Aspect recommended Alternative 2 as the non-permanent remedy for the Site.

Based on a review of the available information, Ecology does not concur with Aspect's conclusion the Site has been fully delineated and is ready to select and conduct any of their proposed remedial alternatives. Ecology has the following comments:

1. The original tax parcel numbers for the Site were 2030120040 and 2031130023; sometime after entry into the Voluntary Cleanup Program (VCP) in 2009; Pierce County noted that parcel number 2030120040 subdivided into tax parcel numbers 2030120032 and 2030120033; there are no current references to 2030120040. Ecology has determined tax parcel 2030120033 should be associated with the Morrell's site as

Mr. Joe Morrice November 17, 2014 Page 7

laboratory analytical results indicate the soil and groundwater contamination on that parcel appears to be associated with Morrell's.

- 2. Ecology determined the TPH soil contamination on the former NGS (tax parcel 2031130023) had been fully delineated and that contamination had been removed in 1994. The source of the soil contamination appeared to originate solely from the NGS operations and was not associated with the soil and groundwater contamination on the other two tax parcels. While the groundwater table had not been located at the NGS, the soil analytical results, soil boring logs, and well logs indicated TPH soil contamination had been vertically separated from the groundwater table by at least 40 feet in very tight soils and would have been unlikely to impact the Site groundwater. Ecology determined this tax parcel could be eligible for an unencumbered, Property-specific No Further Action opinion separately from the other two tax parcels.
- 3. The chemical 1,4-dioxane has been identified as a probable human carcinogen and has been associated with dry cleaning sites. This chemical has not been evaluated at the Site; it is considered a possible COC for the Site. Ecology will require an evaluation for the presence of 1,4-dioxane for air, groundwater, soil, and soil vapor and should be added to the required COC analyses listed below. For groundwater analysis, use the low detection level method modified EPA 8270 with liquid-liquid extraction and isotope dilution by capillary column gas chromatography-mass spectrometry (GC-MS). This GC-MS method is optimized for 1,4-dioxane as a single analyte. The MTCA 1,4-dioxane Method B CULs are 0.438 μg/L, 1 mg/kg, and 0.5 μg/m³ for groundwater, soil, and air, respectively.
- Ecology determined the soil contamination on the former SGS (tax parcel 2030120032) had not been fully delineated and that contamination had not been completely removed in 1994. The source of the TPH soil contamination appeared to originate solely from the SGS operations and was not associated with the soil and groundwater contamination on the other two tax parcels. Groundwater was evaluated for the SGS and laboratory analytical results indicated that the media had not been impacted by residual PCS; however, there was only one groundwater detection for PCE below the MTCA PCE Method A CUL at the well in August 2007 and one TCE detection below its MTCA CUL in January 2014. There were no detected chlorinated solvent detections in the SGS soil. The full horizontal and vertical extent of the SGS PCS east of AB-1, south of S-1, and west of S-7, has not been determined. Field indicators at AB-1 indicate impacted soils to a depth of approximately 20 feet bgs. AB-1 was meant to further describe the condition below the former UST excavation; however, it does not appear to be within the former UST excavations and it did nothing to further delineate the soil profiles at S-1 and S-7, which are at least 25 feet south from the AB-1 location. The vertical and horizontal extent of the PCS needs to be established for the SGS location.
- 5. Ecology has determined the soil contamination at the former Paint Booth/UST location (tax parcel 2030120032) had not been fully delineated and that the PCS and VOC-contaminated soil was not removed in 1994. Soil analytical results from the

Mr. Joe Morrice November 17, 2014 Page 8

UST area indicated that TPH and chlorinated VOCs above their applicable MTCA CULs were found to at least a depth of 10 feet bgs. The conceptual Site model was inadequate, there was little to no relational or spatial depiction or description of the Site structures to sources of contamination and integrated with all the Site investigation current and historical data to complete a three-dimensional model of the Site. The vertical and horizontal extent of the metals, PCS and VOC-contaminated soil needs to be established for the SGS location.

- 6. The groundwater evaluation at the Paint Booth/UST location (MW-11) is not sufficient to establish whether any impacts and/or trends to the groundwater at that location can be made. At least four consecutive quarters of groundwater analytical data are required and Ecology concurrence to terminate Stage 2 Monitoring at a location. Only three nonconsecutive events have been completed, of which one sample result had a TCE concentration statistically equal to the TCE CUL. Additional groundwater sampling will be required at MW-11. The COCs for groundwater shall be TPH-G, TPH-D, TPH-O, VOCs, chlorinated VOCs, EDB via EPA 8011, and total metals. At least four quarters of groundwater analytical data indicating all COC groundwater concentrations were below the COC's applicable MTCA Method A CUL would be needed before Ecology would consider Site closure.
- 7. The sub-slab soil vapor evaluation and indoor air evaluation at the Paint Booth/UST location were inadequate to provide any meaningful conclusions about the risk of soil vapor intrusion into the building. The singular indoor air sample was collected from a produce cooler (a room with limited human occupancy for brief periods of time) that was reported to have been built upon the former Paint Booth/UST. No information was provided as to the integrity of the cooler, or for the building's slab floor in general. The cooler is semi-pressurized and contains colder, denser air; not an ideal locale to evaluate soil vapor intrusion. Ecology guidance indicates that indoor sub-slab soil vapor samples need to be collected from within the footprint of the building in the contamination source area. Ecology has determined that a high-risk area such as a continuous work area and public areas are more appropriate locations to sample indoor air. The sub-slab soil vapor should be evaluated in the produce cooler staging area and likewise with the indoor air; there are several floor drains in the area around the meat and produce coolers that are potential soil vapor conduits. Also, there is a substantial asphalt cap between the Morrell's site and the Bruce Titus Chevrolet Site; this cap may provide a subsurface pathway for the soil vapor between the two Sites and should be evaluated. Potential preferential pathways (sewer lines) for soil vapor exist in North First Street that could connect Morrell's with the Site (see Figure E04). The sub-slab soil vapor has not been evaluated near the interior north corner of the Thriftway Supermarket; Ecology has determined that location needs be evaluated also. The COCs for soil vapor shall be airphase hydrocarbons (APH), VOCs, and chlorinated VOCs.
- 8. This is a complex Site; the conceptual Site model was inadequate to the task of describing the affected media, the types of contamination, pathways, and where that contamination has come to lie at this Site. There was little to no relational, spatial

depiction, or a description of the Site structures to Site contamination sources integrated with all the current and historical Site investigation data of all media to complete an inclusive, three-dimensional model of the Site and the potential receptors. The intent of the (additional) samples must be clear to the reviewer, whether it was meant for delineation, confirmation, or performance purposes. Maps and diagrams must be accurate and depict map details and relationships (both current and historical) as they occur; no such figure or diagram of compiled data from all the investigations was submitted to Ecology for review. Ecology cannot make accurate interpretations of the Site cleanup from descriptions that are inaccurate or misrepresented relationships.

9. No analytical data has been submitted into Ecology's electronic database to date for this Site. In accordance with WAC 173-340-840(5) and Ecology Toxics Cleanup Program Policy 840 (Data Submittal Requirements), all data generated for Independent Remedial Actions shall be submitted simultaneously in both a written and electronic format. For additional information regarding electronic format requirements, see the website http://www.ecy.wa.gov/eim. Be advised that according to the policy, any reports containing sampling data that are submitted for Ecology review are considered incomplete until the electronic data has been entered. Please ensure that data generated during on-site activities is submitted pursuant to this policy. Data must be submitted to Ecology in this format for Ecology to issue a No Further Action determination. Please be sure to submit all soil and groundwater data collected to date, as well as any future data, in this format. Data collected prior to August 2005 (effective date of this policy) is not required to be submitted; however, you are encouraged to do so if it is available. Be advised that Ecology requires up to two weeks to process the data once it is received.

2. Establishment of cleanup standards.

Ecology has determined the cleanup levels and points of compliance you established for the Site do not meet the substantive requirements of MTCA.

The Site has not been fully delineated. Applicable MTCA Method A and Method B CULs for air, groundwater, soil, and soil vapor shall be used to characterize the Site. Standard points of compliance are being used for the Site. The point of compliance for protection of groundwater shall be established in the soils throughout the Site. For soil cleanup levels based on human exposure via direct contact or other exposure pathways where contact with the soil is required to complete the pathway, the point of compliance shall be established in the soils throughout the Site from the ground surface to 15 feet bgs. In addition, the point of compliance for the groundwater shall be established throughout the Site from the uppermost level of the saturated zone extending vertically to the lowest most depth that could potentially be affected by the Site. For indoor air, cleanup levels to protect air quality shall be based on estimates of the reasonable maximum exposure expected to occur under both current and future Site conditions and MTCA Method B indoor air quality CULs shall be used.

3. Selection of cleanup action.

Ecology has determined the cleanup action you selected for the Site does not meet the substantive requirements of MTCA.

The affected Site media must be fully characterized prior to selecting any final cleanup action. Remedial activities have not been completed at the Site. For a Site cleanup action to qualify for a no further action opinion, it must meet one or more of the minimum cleanup requirements in WAC 173-340-360(2). MTCA requires the use of permanent solutions to the maximum extent practicable. As some cleanup activities have been conducted on the Site that has not led to a permanent cleanup solution; Aspect completed a feasibility study. Ecology has determined selection and implementation an alternative from the feasibility study for the Site is premature, additional characterization will be needed.

4. Cleanup.

Ecology has determined the cleanup you performed does not meet any cleanup standards at the Site.

The Site has not been fully characterized. In August 1994, Bison reported that they collected 132 gallons of sludge and 300 gallons of blended fuel and transported the waste to Fife Sand and Gravel for disposal. Seven USTs were also decommissioned and taken to Fife Sand and Gravel for disposal. And in November 1994, 406 cubic yards of PCS were excavated and taken to Fife Sand and Gravel to be bio-remediated to below applicable MTCA CULs. The soils were reported as remediated and ready for reuse.

Additional Site characterization work was completed at the Site in the intervening years; however, the Site has not been fully delineated and the Site characterization has not been completed. No remedy can be selected and applied to the Site until it has been fully delineated.

Limitations of the Opinion

1. Opinion does not settle liability with the state.

Liable persons are strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the release or releases of hazardous substances at the Site. This opinion does not:

- Resolve or alter a person's liability to the state.
- Protect liable persons from contribution claims by third parties.

To settle liability with the state and obtain protection from contribution claims, a person must enter into a consent decree with Ecology under RCW 70.105D.040(4).

2. Opinion does not constitute a determination of substantial equivalence.

To recover remedial action costs from other liable persons under MTCA, one must demonstrate that the action is the substantial equivalent of an Ecology-conducted or Ecology-supervised action. This opinion does not determine whether the action you performed is substantially equivalent. Courts make that determination. See RCW 70.105D.080 and WAC 173-340-545.

3. State is immune from liability.

The state, Ecology, and its officers and employees are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing this opinion. See RCW 70.105D.030(1)(i).

Contact Information

Thank you for choosing to clean up the Site under the Voluntary Cleanup Program (VCP). After you have addressed our concerns, you may request another review of your cleanup. Please do not hesitate to request additional services as your cleanup progresses. We look forward to working with you.

For more information about the VCP and the cleanup process, please visit our web site: www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm. If you have any questions about this opinion, please contact me by phone at (360) 407-7404 or e-mail at erad461@ecy.wa.gov.

Sincerely.

Eugene Radcliff, L.G.

Site Manager

SWRO Toxics Cleanup Program

GER/ksc: SW1040 FA Opinion 11172014

Enclosures (17): A – Description and Diagrams of the Site

Figure 1 2009 Site Vicinity Map

Figure 1 Site Map Former Walker Chevrolet (FFS)

Figure E1 Tacoma 1888 Sanborn Map

Figure E2 Tacoma 1912-Apr. 1950 Sanborn Map

Figure E3 North Gas Station

Figure E04 Morrell's Potential Pathways
Figure B1 NGS Soil Sample Locations

Figure B2 Additional NGS Soil Sample Locations

Mr. Joe Morrice November 17, 2014 Page 12

Figure B3	SGS Soil Sample Locations		
Figure B4	Paint Booth		
Figure S1	Stemen Soil Investigation		
Figure S2	Stemen Soil Gas Investigation		
Table 1-3	Concentrations of Volatile Organic Compounds in		
	Groundwater		
Table 1-5	Indoor, Ambient, and Sub-Slab Air Sample Results near		
•	Former Paint Booth		
Table A	Laboratory Results - Previous Study		
Table B	Laboratory Results – Test Borings		
Table S1	Stemen Soil Investigation		

By certified mail: (91 7199 9991 7031 7908 4955

cc: David C. and Barbara Shaw

Darrel E. and Lois J. Wickham Revocable Trust

Zona M. Wickham, c/o Todd Wickham

Mr. Rob Olsen, Tacoma-Pierce County Health Department

Scott Rose - Ecology

Ms. Carol Johnston - Ecology

Ms. Dolores Mitchell - Ecology (without enclosures)

Enclosure A

Description and Diagrams of the Site

Site Description

Media of Concern: Soil, Soil Vapor Pathway, and Groundwater

The Bruce Titus Chevrolet (Site) is located at 633 Division Avenue in Tacoma, Pierce County, Washington (see Figure 1 2009)). The Site has been zoned for commercial purposes and has been used as a boarding school since at least the 1888, and a car dealership and automotive maintenance shop since at least 1912 (see Figures E1 and E2). The Site is composed of three parcels encompassing approximately 1.22 acres and has one 48,055 square foot, two-story brick building, built in 1925. The Site is currently operated as a grocery store and an automobile body repair shop on the first floor and an automobile service business on the second floor. The Site is bordered on the north and west by commercial buildings, on the east by building zoned as *Downtown Residential*, and on the south by Wright Park, zoned as *Two Family Dwelling*¹. The Site elevation is approximately 280 feet above sea level and the topography of the Site slopes downhill from the south, decreasing in elevation north of the Site. The Pierce County Assessor-Treasurer's Office² (PCATO) notes the Site has assigned tax parcel numbers of 2031130023, 2031130032, and 2030120033.

The PCATO notes the legal description for the applicable parcels as follows:

- Parcel Number: 2031130023 (Parking): Section 32 Township 21 Range 03 Quarter 42: THAT POR B 3113 DESC AS FOLL BEG SELY COR SD BLK TH NLY ALG ELY LI SD BLK 90 FT TH WLY PAR/W NLY LI SD BLK 90 FT TH SLY PAR/W ELY LI SD BLK 90 FT TO S LI SD BLK TH ELY ALG SD S LI 90 FT TO POB NW OF SE 32-21-03E APPROX 8100 SQ FT OUT OF 002-1 SEG N-1271 SG EMS Use Code: 6410-AUTO REPAIR SERVICES.
- Parcel Number: 2031130032 (Location of Building): Section 32 Township 21 Range 03 Quarter 42 NEW TACOMA PARCEL B OF ROS FOR BLA 2013-07-09-5003 THAT POR OF B 3013 & 3014 TOG/W THAT POR OF N G ST LY BET SD B 3013 & 3014 VAC BY ORD 65 ALSO TOG/W THAT VAC POR OF SELY 5.2 FT OF N 1ST ST LY NWLY OF & ABUTT L 1 B 3013 AS VAC BY ORD 25654 LY SWLY OF FOLL DESC LI COM AT MOST NLY COR OF SD B 3013 TH ALG MAR OF N 1ST ST AS VAC BY SD ORD 25654 N 63 DEG 01 MIN 48 SEC W 5.2 FT TH CONT ALG SD MAR S 27 DEG 00 MIN 49 SEC W 16.42 FT TO POB TH S 63 DEG 01 MIN 48 SEC E 28.21 FT TH S 10 DEG 23 MIN 24 SEC E 18.28 FT TH S 62 DEG 54 MIN 47 SEC E 107.48 FT TH N 27 DEG 59 MIN 16 SEC E 31.18 FT TO N LI OF AFORESAID B 3013 TH S 63 DEG 01 MIN 48 SEC E 45.86 FT TO NE COR OF AFORESAID B 3013 & TERMINUS OF DESC LI OUT OF 004-0 SEG 2014-0106 JP 08/29/13 JP
 - Use Code: 6410-AUTO REPAIR SERVICES
- Parcel Number: 2030120033 (Parking): Section 32 Township 21 Range 03 Quarter 42 NEW TACOMA PARCEL C OF ROS FOR BLA 2013-07-09-5003 THAT POR OF B 3012 & 3013 TOG/W THAT POR OF ALLEY LY BET SD B 3012 & 3013 VAC BY ORD 106 ALSO TOG/W THAT VAC POR OF SELY 5.2 FT OF N 1ST ST LY NWLY OF & ABUTT L 1 B 3013 VAC BY ORD 25654 LY NELY OF FOLL DESC LI COM AT MOST NLY COR OF SD B 3013 TH ALG MAR OF N 1ST ST AS VAC BY SD ORD 25654 N 63 DEG 01 MIN 48 SEC W 5.2 FT TH CONT ALG SD MAR S 27 DEG 00 MIN 49 SEC W 16.42 FT

http://www.govme.org/gMap/MGMain.aspx

² http://epip.co.pierce.wa.us/CFApps/atr/epip/summary.cfm?parcel=4715010391

TO POB TH S 63 DEG 01 MIN 48 SEC E 28.21 FT TH S 10 DEG 23 MIN 24 SEC E 18.28 FT TH S 62 DEG 54 MIN 47 SEC E 107.48 FT TH N 27 DEG 59 MIN 16 SEC E 31.18 FT TO N LI OF AFORESAID B 3013 TH S 63 DEG 01 MIN 48 SEC E 45.86 FT TO NE COR OF AFORESAID B 3013 & TERMINUS OF DESC LI EXC FOLL DESC PROP BEG AT MOST NLY COR OF B 3012 TH ON WLY LI OF SD B S 25 DEG 30 MIN W 78.8 FT TH PAR TO NLY LI OF SD B S 64 DEG 30 MIN E 179.56 FT TH S 76 DEG 07 MIN E 58.74 FT TO ELY LI OF SD B TH N 53 DEG 20 MIN E 75.71 FT TH N 64 DEG 30 MIN W 272.49 FT TO POB ALSO EXC FOLL DESC PROP COM AT MOST NLY COR OF AFORESAID B 3012 TH SWLY ALG NWLY LI OF AFORESAID B 3012 78.8 FT TO POB TH CONT SWLY ALG NWLY LI OF AFORESAID B 3012 & SWLY EXT 61 FT TH SELY PAR TO NELY LI OF AFORESAID B 3012 130 FT TH NELY PAR TO NWLY LI OF AFORESAID B 3012 61 FT TH NWLY 130 FT TO POB OUT OF 004-0 SEG 2014-0106 JP 08/29/13 JP

Use Code: 9170-COMM VAC LAND.

The City of Tacoma³ has zoned the tax parcels as NCX - Neighborhood Commercial Mixed-Use.

The Site entered the Voluntary Cleanup Program (VCP) in August 2009 and was originally associated with the adjacent Morrell's Dry Cleaning facility (Facility /Site ID #18489568). That site involves a dry cleaning business and cleanup of chlorinated solvents in the soil and groundwater.

Previous investigations have attributed the Site soil and groundwater contamination to historic automotive refueling and repair operation. Ecology has determined the analytical data from the two cleanup sites does not conclusively indicate, one way or another, whether the groundwater contamination from the two sites is comingled. There are several public and private sanitary and storm sewer lines that are located in the street to the west of the Site Property and may be potential pathways for contamination.

The Site lies in north Tacoma on top of ice-contact deposits composed of intermixed outwash, lacustrine beds, and glacial till; brown and gray to lightly oxidized in color. Ice-contact deposits of Pleistocene age commonly occur as outwash with lenses and pods of till and lacustrine deposits. Outwash deposits consist of stratified fluvial sand and gravel, commonly silty, with cobbles and boulders; generally medium to very dense and moderately to well-sorted. Lacustrine deposits consist of interbedded fine sand and silt to laminated silt and clay; loose to medium dense. Glacial till consists of a diamict with sand, silt, and gravel lenses; loose to very dense. Till is silt-sand matrix-supported diamict of gravel with cobbles and boulders. Earlier Quaternary-age continental sedimentary deposits lie below the tills⁴.

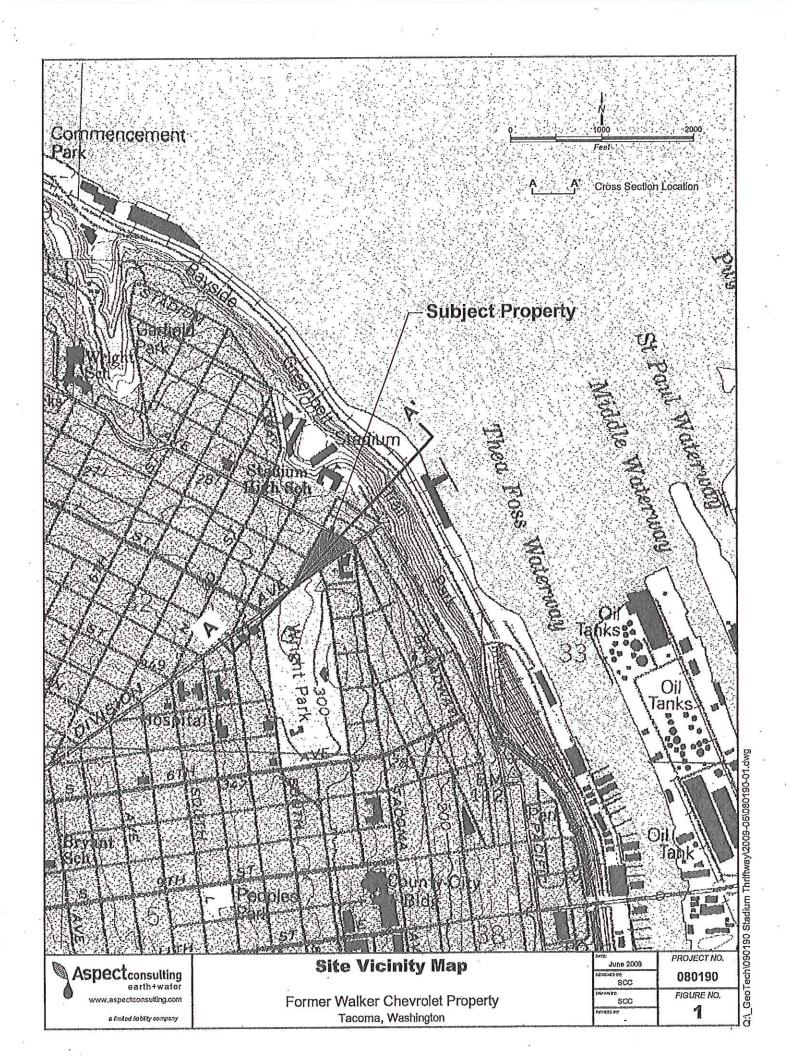
Groundwater ranges from approximately 52 feet below ground surface (bgs) to 54 feet bgs. No water supply wells were reported within 0.5 miles of the Site. Based on the limited geologic data for the Site, there appears to be an impermeable interbedded silt and silty sands layers approximately 60 feet bgs that results in a shallow aquifer. That impermeable layer appears to end near the western and northern edges of the Site and the geology provides a window to the deeper aquifer table, approximately 113 feet to 145 feet bgs. The limited groundwater elevation data for the shallow aquifer indicate the gradient to be to the northeast but also indicates the deeper aquifer gradient to be

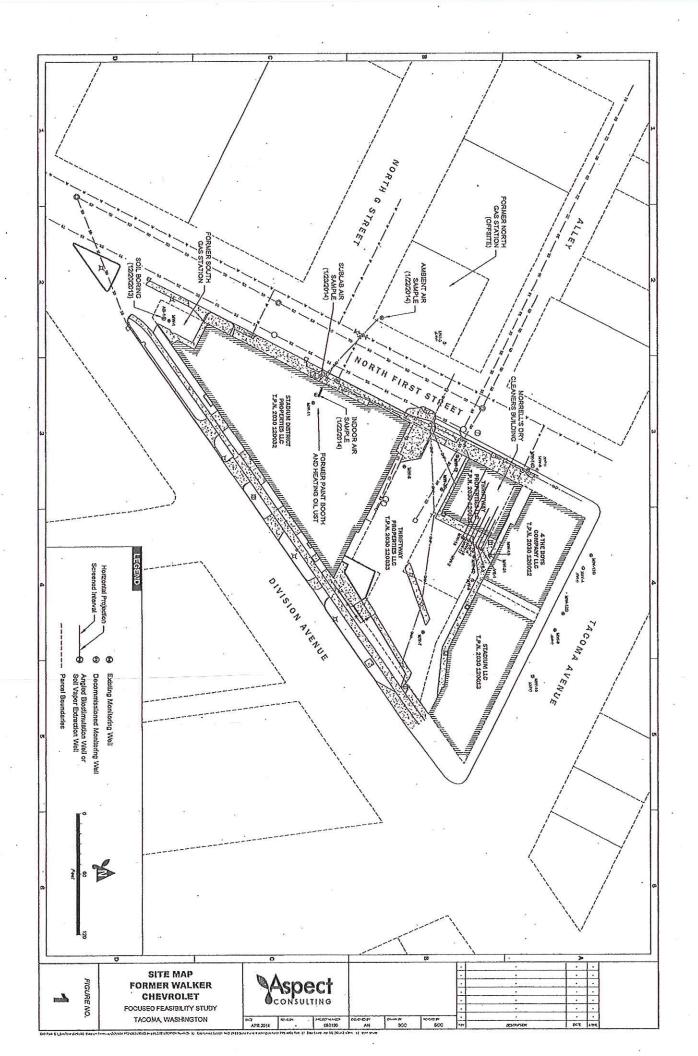
4 https://fortress.wa.gov/dnr/geology/

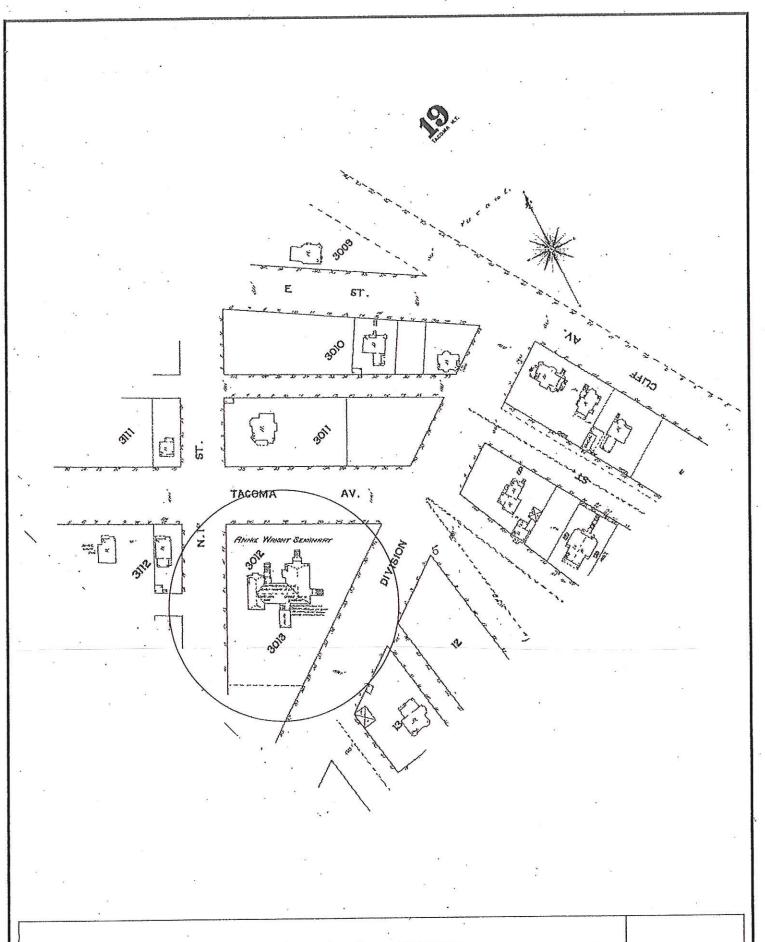
³ http://govme.org/govME05/MyTacoma/MyTacoma.aspx?Parcel=4715010391

to the northwest. Most of the land around the Site is well developed and covered with impervious surfaces with the notable exception of Wright Park one block south of the Site, which may be a source of groundwater recharge.

Humans are the likely sensitive receptors susceptible to the VOC contamination from vapors escaping the soil pathway. There are no known natural sensitive receptors in the area. The available laboratory analytical data indicates the petroleum soil-to-groundwater contamination pathway is not complete and therefore presents a low risk to the environment and to human health and safety; however, the chlorinated solvent soil-to-groundwater contamination pathway is complete. Also, the sub-slab soil vapor-to-indoor air pathway appears to be complete.



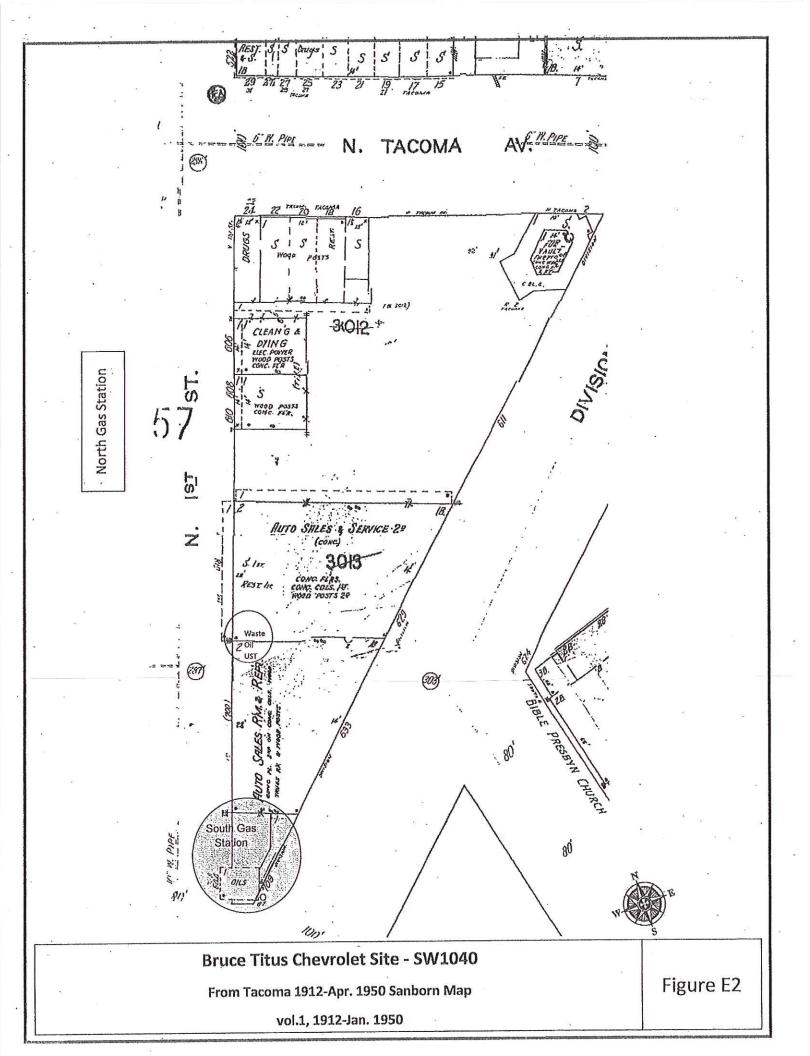


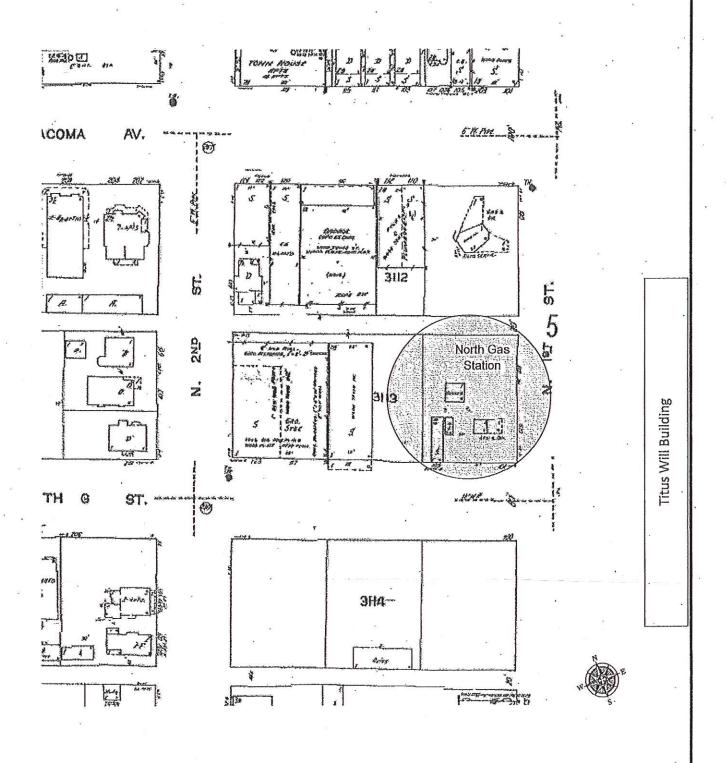


Bruce Titus Chevrolet Site - SW1040

From Tacoma 1888 Sanborn Map

Figure E1



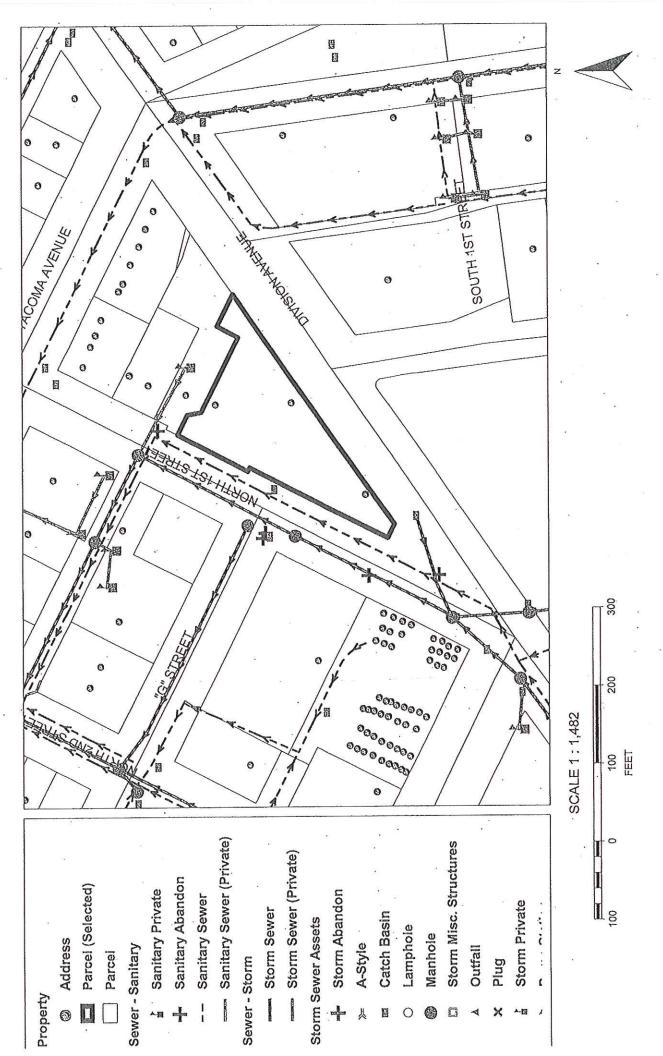


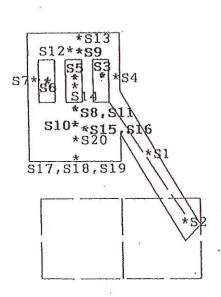
Bruce Titus Chevrolet Site - SW1040

North Gas Station

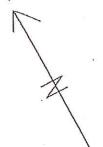
From Tacoma 1912-Apr. 1950 Sanborn Map, vol. 1, 1912-Jan. 1950

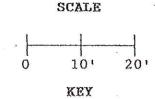
Figure E3





WORTH FIRST STREET
SIDEWALK





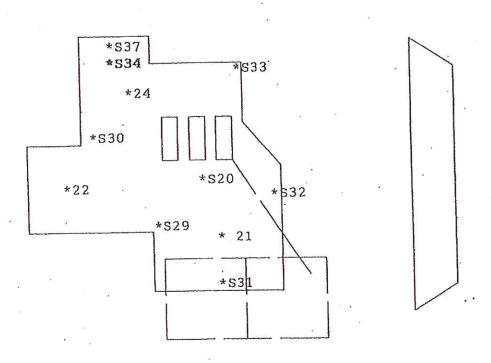
*S3 Sample Location-Contaminated Soil (removed)

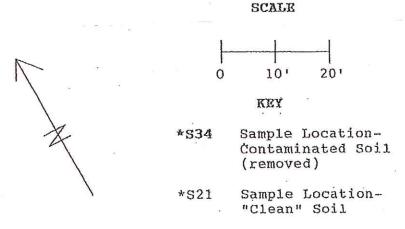
*S18 Sample Location~ "Clean" Soi1

SITE PLAN - NORTH LOT ON 9/2/94 BISON ENVIRONMENTAL NORTHWEST, INC. PROJECT# 94481-3 SEPT 1994

Figure B1 - NGS Soil Sample Locations



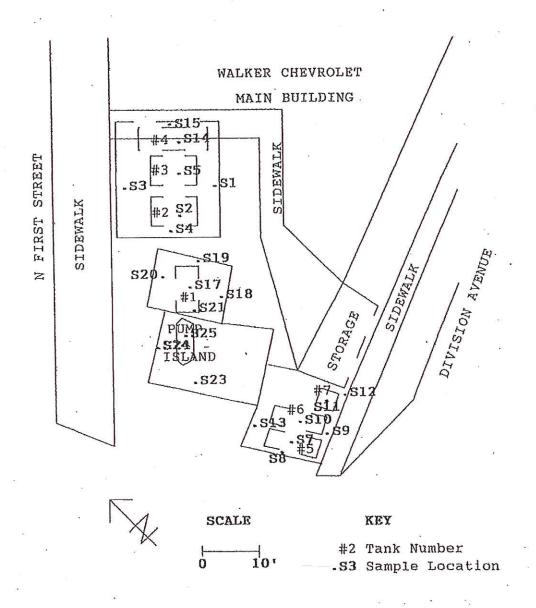




SITE PLAN - NORTH LOT on 9/12/94 BISON ENVIRONMENTAL NORTHWEST, INC. PROJECT# 94481-3 SEPT 1994

Figure B2 - Additional NGS Soil Sample Locations

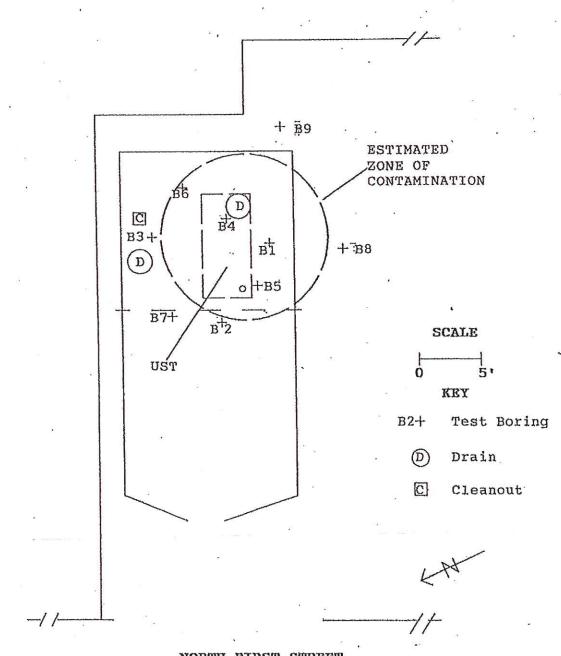




SITE PLAN
BISON ENVIRONMENTAL NORTHWEST, INC.
PROJECT# 94481 AUGUST 1994

Figure B3 - SGS Soil Sample Locations



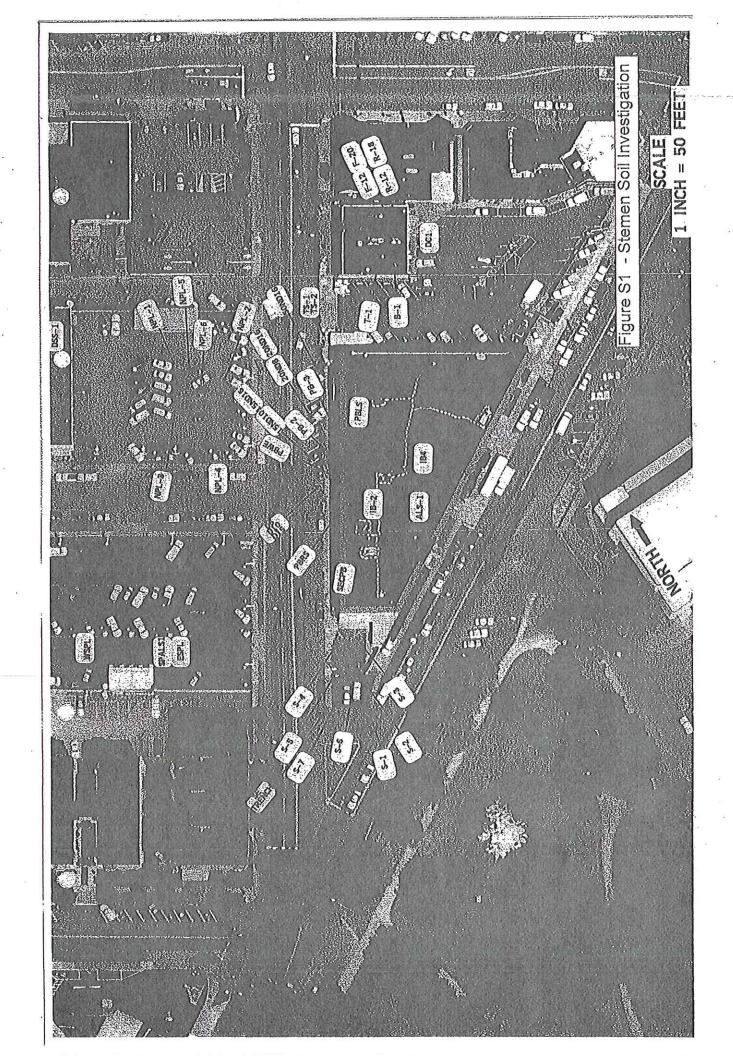


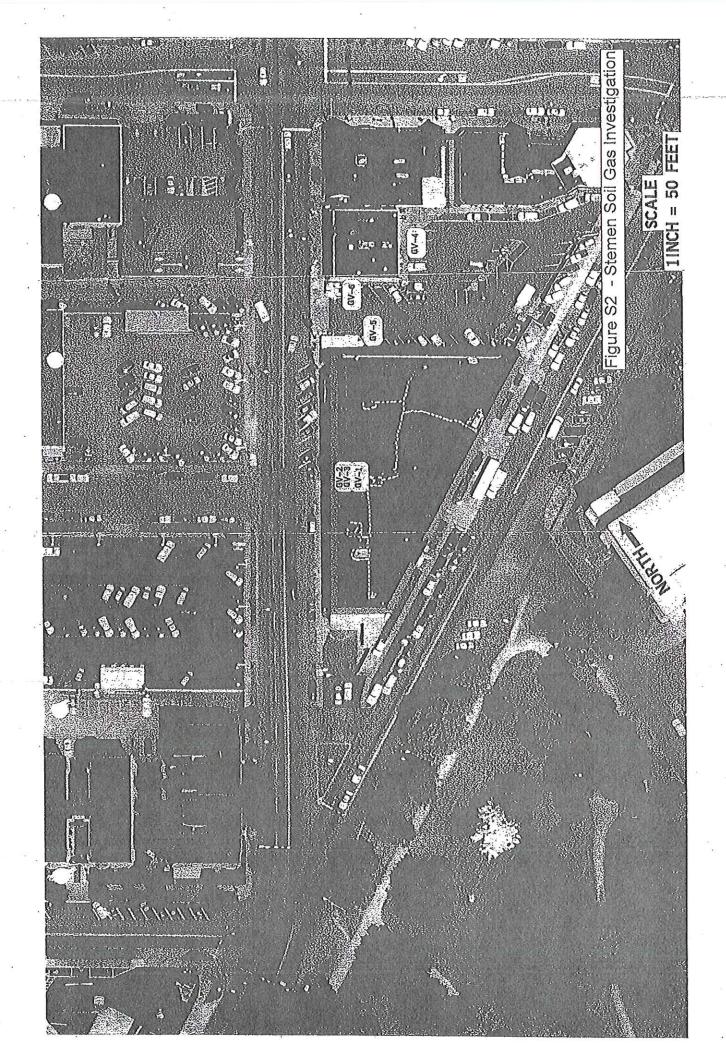
NORTH FIRST STREET

SITE PLAN - WALKER CHEVROLET PAINT BOOTH BISON ENVIRONMENTAL NORTHWEST, INC. PROJECT# 94481-2 SEPTEMBER 1994

Figure B4 - Paint Booth







at Updgradient Former Walker Chevrolet Site and Downgradient Morrell's Dry Cleaners Site Table 1-3 - Concentrations of Volatile Organic Compounds in Groundwater

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		5/12/09				7.6	1	9	√ V	2 6	7 5
		12/22/10		3 1		89. 4	7 5		7 8	2 6	7 8
		12/12/24				2.7	3 4		V	P P	7
MW-17 (angled with 32 degree vertical angle)	43 - 60	12/13/13	0.000 CT-0.000			4	A	<0.2	3	2.4	ţ
MW-16 (angled with 23 degree vertical angle)	41-60	12/13/13	0.00	3000	95	4	Þ	0.49	2.2	2.5	4
WW-7	50-65	1/22/08	9'9	A	7	4	A	<0.2	4	4	4
		1/30/08	รา	4	٩	Ą	∀	<0.2		4	4
		10/2/08	4	Ą	∀	Ą	∀	<0.2	15	Ą	∀
		8/11/09	1	4	4	∀	∀ '	40.2	2.0	∀ '	ላ ·
	,	12/22/10	7	4	4	Δ,	۵,	. 40.2	33	۷,	ن
		2/6/12	∀ ;	۵,	Α,	φ,	∀ 5	7.07	777	9 7	۷ ۲
0.777	20.53	1/22/08	SOUTH STATE OF	To consider the second	No.	7 29	7 2	No. of Particular	Ş. V	2.5	7 2
9-00	10.40	10/2/08				7.6	STATE OF THE PARTY			25	7
		5/12/09				3.7			, A	. 25	
	3.	12/22/10				3.3	3.7	474	7	2.2	4
		2/6/12	4.0	0.9	0	4700	80	O.	Q 7	4100	2700
		12/17/13	070		00.7	\$	<50	940	05	9	<50
MW-15 (angled with 37 degree vertical angle)	44-60	12/17/13	9	QT-		. (10.	07>		- 20	8 9	015
		12/17/13		D. T. C.		470	000		200	000	200
MW-21	45-60	12/17/13	200			OT>	40	2000年 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	C10	<10	OT V

The second secon	Comen					Volatile Organ	Volatile Organic Compounds				
	internal .				-sp	trans-		Vinyl	Carbon		
Qi IleW	(feet bes)	Date	306	ΤŒ	1,2-DCE	1,2-DCE	1,1-DCE	Chloride	Tetrachloride	Chloroform	Naphthalene
ATCA Mashad A Governdusses CM Table Value (1971)			2	.5				. 0.2			160
Wilder Michigan April 2000 Conference Conference (page 2)			v	u	20	100	7	~	25	80	
Sroundwater Cleanup Level (µg/L)			. 5	2	7.0	100	۲	0,2	N	30	160
nterglacial Deposit Wells											
Morrell's Dry Cleaners Site											
MW-8D	96-116	5/11/09	4	∀	ដ	۵	ヷ	<0.2	1.9	4	♥
		12/22/10	Á	4	ដ	V	∀	40.2	2,0	4	V
*		2/6/12	Ą	4	25	4	7	<0.2	1.8	4	V
	*	1/10/14	407	<0.2	42	40,2	<0.2	<0.2	1.7	0.68	0.8
	113-133	12/22/10		4	. 22	4	4	<0.2	Ą	Ą	4
		2/6/12	7	4	17	4	4	<0.2	Ą	∀	4
3	•	1/10/14	0.7	0.34	77	<0.2	<0,2	<0.2	<0.2	<0,2	<0.5
MAW-13D	125-145	12/22/10		3.2	30	A	D	<0.2	4	4	4
		2/6/12	١.	2.4	28	4	₹	<0.2	A	4	4
		12/16/13	10 TO	3.7	32	4	4	<0.2 ·	4	Ą	4
NAIK-14D	123 - 143	2/6/12	4.2	3.3	. 28	4	4	<0.2	4	4	4
Ort. and		1/10/14	77	1.0		۵	۵	. 40,2	V	4	2.0
		-	independent of the second	- Commonwell							

BOLD Highlighted signifies exceedance of proposed Groundwater Cleanup Level (most stringent of MTCA Method A, Table Value and Federal and State MCJ).

All values are in units of micrograms per liter (µg/L). Dashes indicate no value available

1,1-DCE = 1,1-dichloroethylene

cis-1,2-DCE = cis-1,2-dichloraethylene

MCL = maximum contaminant level MTCA = Model Toxics Control Act

Table 1-5 - Indoor, Ambient, and Sub-Slab Air Sample Results near Former Paint Booth

Project #080190 - Former Walker Chevrolet Site

Tacoma, Washington

NA	230	.150	<100	460	NA	NA	46	Xylenes
NA	<100	400	<100	4,600	NA	NA	460	Ethylbenzene
NA A	160	240	130	23,000	NA	NA.	2,300	Toluene
. NA	. 420	8	20	3.2	NA	×.	0.32	Benzene .
<0.087	<200	<200	<200	2.8	<0.04	<0.077	0.28	Vinyl chioride
<u>^13</u>	<50 .	^50	¢,	310	<0.61	412	•	trans-1,2-DCE
<0.27	<50	\ 50	<50		<0.12	<0.24	•	cis-1,2-DCE
1.2	. ∠20	20	<20	3.7	<0.17	<0.32	0.37	TCE
	1150	1000	210	. 96	<0.21	19.0	9,6	PCE .
µg/m²	· hg/m³	μg/m³	µg/m³	hg/m³	. µg/m³	µg/m³	µg/m³	
1/23/14 1:15 PM	5/8/2008	5/8/2008	5/8/2008		1/22/14 4:15 PM	1/22/14 3:55 PM		Date and time collected
,					80	œ		Sample duration (hours)
Subslab-012314	GV-3	GV-2	GV-1		Outdoor Air-012214	Indoor-012214		Sample ID
paint booth							*	
former roll-up door for					North 1st Street	paint booth area		
adjacent to building and	of paint booth	of paint booth	of paint booth		west side of	cooler and former		
Beneath concrete sidewalk	West side	Middle	East side		Parking lot on	Inside current produce		Location
Paint Booth	Booth	Beneath Former Paint Booth	Bene	Indoor Air (SL _{sc})	Ambient Conditions	Paint Booth	Air, Screening Level	Chemical Name
Adjacent to Former		Sub-slab Alr,		Protective of	Outdoor Air,	Above Former	MTCA Method B,	Description/
Sub-slab Air,				In Soil Gas		Indoor Air,	Screening Level (SL _M),	tien
				Screening Level):		Indoor Air	200
							Acceptable	E.5

Notes

Bold highlighted font indicates exceedance of most conservative screening level

Dashes indicate no value available.

DCE = dichloroethylene

in-Hg = inches of mercury

µg/m³ = micrograms per cubic meter

NA = not analyzed

PCE = tetrachloroethylene

SL_M = Acceptable indoor air screening level.

SL_{SG} = Screening level in soil gas protective of indoor air.

TCE = trichloroethylene

VAF = Vapor attenuation factor (unitless); default value of 0.1 should be assumed in Tier I Evaluations (Draft Vapor Intrusion Guidance, Ecology, 2009).

 $SL_{SG} = SL_A$ / VAF (Equation 2 in Draft Vapor Intrusion Guidance, Ecology, 2009).

Ecology, 2009, Draft Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, Publication No. 09-09-047

Aspect Consulting

5/16/2014

V:\080190 Stadium Thriftway LLC\Deliverables\FFS\FFS Walker\Final 5-16-14\Tables\Former Walker Chevrolet FFS Tables_Apr18.xlsx - Table 1-5 air samples

TABLE A: LABORATORY RESULTS - PREVIOUS STUDY

Sample No.		Analyte	Results	Cleanup Level	
B1-5.5'	WTPH-418.1		mqq 000,8	200 ppm	
Sediment Semple DI	Total Metal	s Barium Cadmium Chromium Lead As, Cd, SE, & Ag	43.8 ppm 50.2 ppm 110 ppm 2140 ppm ND	5,600 ppm* 2 ppm 100 ppm 250 ppm	
Inside Pipe Removed During Decommissioning	1,2,4 Tr 1,3,5 Tr	Ethylbenzene sopropylbenzene -Isopropyltoluene Tetrachloroethene Naphthalene n-Propylbenzne Toluene Timethylbenzene imethylbenzene cotal Xylenes Other VOCs		NA NA	
B2-5.5	WTPH-418.1	TPH	79 ppm	200 ppm	
B3-2'	WTPH-418.1	TPH	96 ppm	200 ppm	
	EPA 8240	Toluene Total Xylenes Other VOCs	13 ppb 5 ppb ND	40,000 ppb 20,000 ppb	
B4-31	WTPH-418.1	TPH	480 ppm	200 ppm	
ari a :	EPA 8240	Toluene Total Xylenes Other VOCs	7 ppb 6 ppb ND	40,000 ppb 20,000 ppb	,

TABLE B: LABORATORY RESULTS - TEST BORINGS

Sample No. Location	/ Analysis	analyte .	Results	Cleanup Level	
B5-5'	WTPH-HCID	Hydrocarbons	Gasoline - ND Diesel - ND Oil - Detected	*	361
at an		TPH Methylene Chloride Toluene Total Xylenes	390 ppm	200 ppm 500 ppb 40,000 ppb 20,000 ppb	. W
* × ×	§	Other VOCs	ND	,	
B5-7.51	WTPH-418.1	трн	2500 ppm	200 ppm	
B5-91	WTPH-418.1	TPH	4400 ppm	200 ppm	•
B5-10'	WTPH-HCID	Hydrocarbons	Gasoline - ND Diesel - ND Oil - Detected		
8 /m	WTPH-418.1 EPA 8240	TPH Benzene n-Butylbenzene	260 ppm 24 ppb 15 ppb	200 ppm 500 ppb NA	•
u u	* 161	sec-Butylbenzene Ethylbenzene Isopropylbenzene p-Isopropyltoluene	22 ppb 130 ppb 50 ppb 15 ppb	NA 20,000 ppb NA NA	
		Tetrachloroethene Methylene Chlori n-Propylbenzene	. 53 ppb .de 28 ppb+ 80 ppb	500 ppb 500 ppb NA	50
2 *	1,3,5 T	Toluene rimethylbenzene rimethylbenzene	720 ppb+ 130 ppb 170 ppb	40,000 ppb NA NA	i p ä n q
		Total Xylenes Other VOCs	790 ppb ND	20,000 ppb	
B6-5'	WTPH-HCID	Hydrocarbons	Gas - Detected Diesel - ND Oil - ND		
gar	Ē a	Gasoline n-Butylbenzene sec-Butylbenzene Ethylbenzene p-Isopropyltoluene	100 ppm 15 ppb 22 ppb 690 ppb 83 ppb	100 ppm NA NA 20,000 ppb NA	3
	1,2,4 1	Naphthalene n-Propylbenzne Toluene Primethylbenzene Primethylbenzene	190 ppb 99 ppb 8,600 ppb+ 790 ppb 300 ppb	320,000 ppb NA 40,000 ppb NA NA	
		Total Xylenes Other VOCs	7,100 ppb	20,000 ppb	



TABLE B (continued)

Sample No. Location	/ Analysis	Analyte	Results	Cleanup Level
B6-81	1,2,4 Tr	Hydrocarbons Ethylbenzene Toluene otal Xylenes Methylene Chloride imethylbenzene imethylbenzene Other VOCs	ND 12 ppb 370 ppb+ 150 ppb 39 ppb+ 13 ppb 6 ppb ND	20,000 ppb 40,000 ppb 20,000 ppb 500 ppb NA NA
B7-4'	WTPH-HCID EPA 8240 WTPH-HCID	Hydrocarbons Toluene Methylene Chloride Other VOCs Hydrocarbons	ND 11 ppb+ 41 ppb+ ND ND	40,000 ppb 500 ppb
B9-5'	EPA 8240 WTPH-HCID EPA 8240	Toluene Methylene Chloride Hydrocarbons VOCs	14 ppb+	40,000 ppb 500 ppb

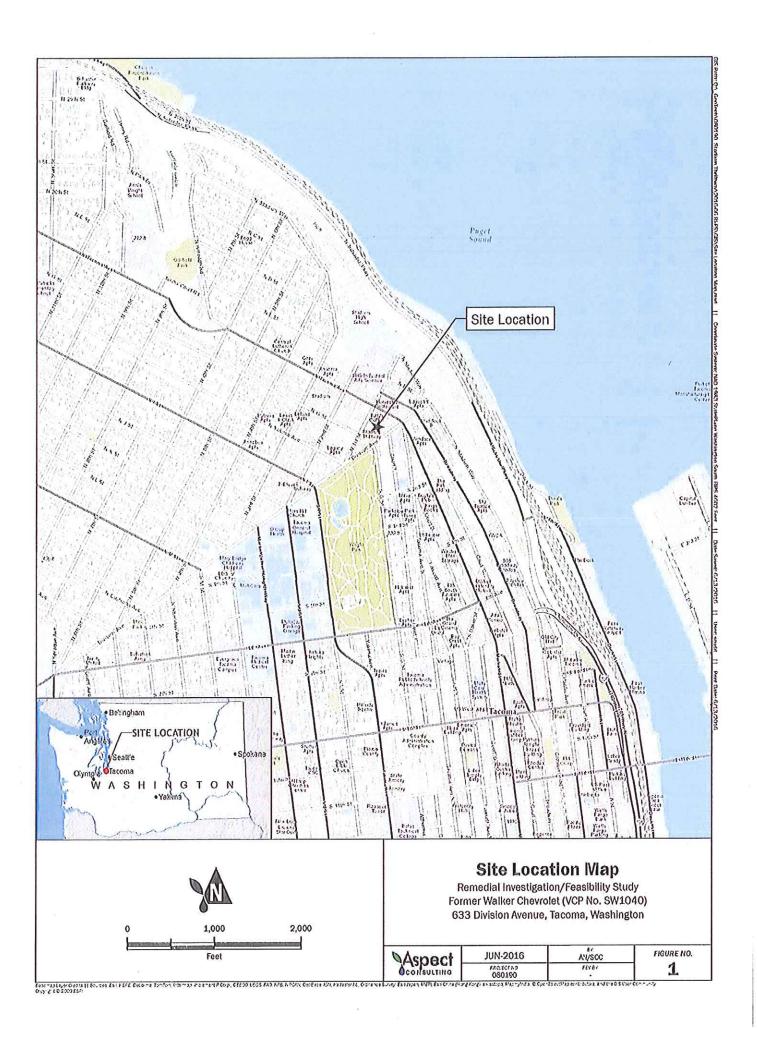
NOTES:

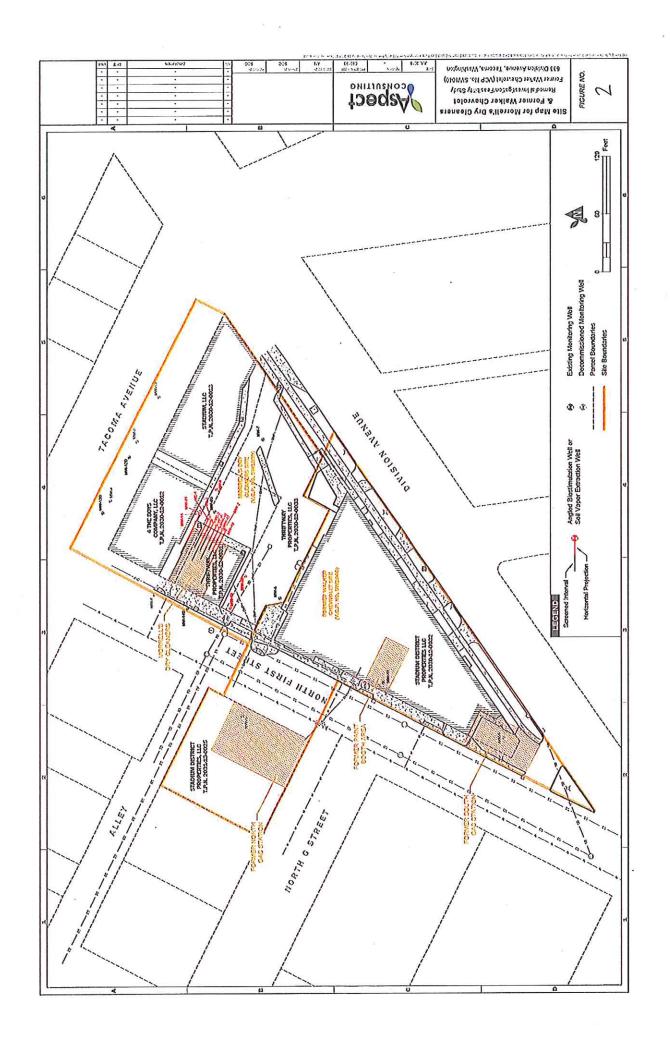
- + Compound also appeared in laboratory blank, suggesting cross-contamination in laboratory.
- 1) ppm indicates parts per million.
- 2) ppb indicates parts per billion.
- 3) TPH indicates total petroleum hydrocarbons. The 418.1 analysis is designed for heavy oils, but also reports lighter hydrocarbon fractions.
- 4) ND denotes none detected. Refer to laboratory reports for detection limits.
- 5) Unless indicated by asterix, cleanup levels are "Method A" values as specified in the Model Toxics Control Act (MTCA), WAC 173-340. Asterix indicates MTCA Method B value.
- 6) NA indicates a published MTCA cleanup level for this compound is not currently available.

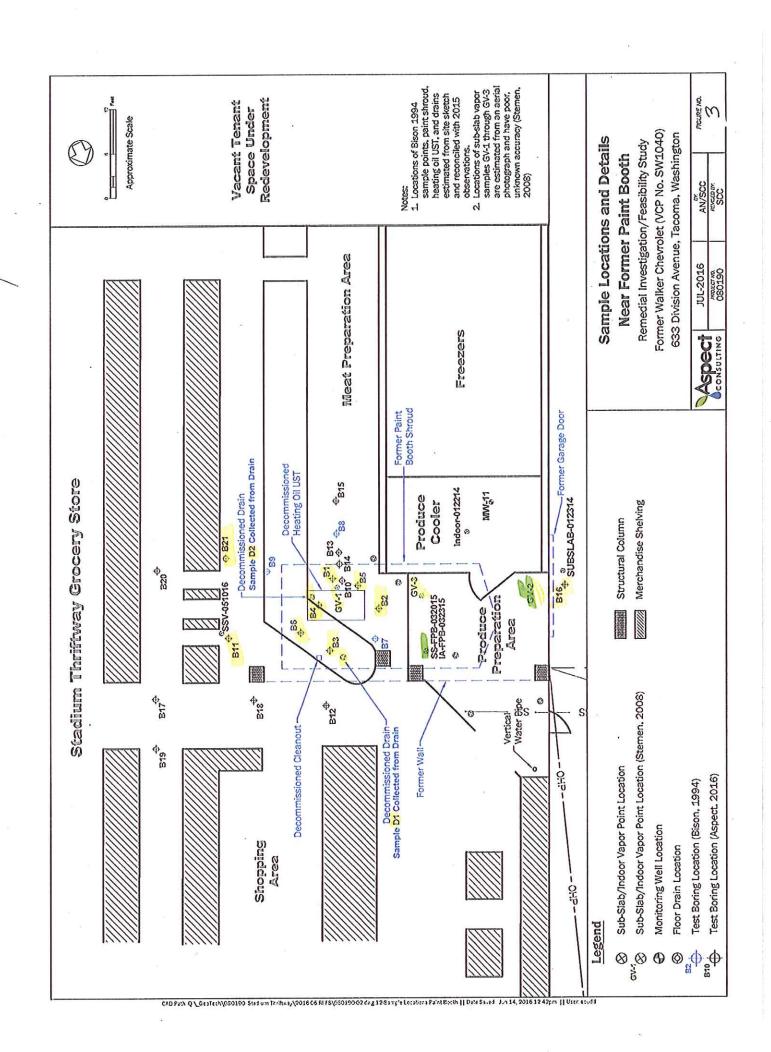
-			<u> </u>											•					_				_	-			9					
ير المحمد	* = Not analyzed	PBRS	DSS-1	ALS-1	PBLS-36	PBLS-24	PBWE	IB4	DC PLAS-2	S PALS-1	SECPB-8	IB2-6	NPL-5-20	NPL-4-19	NPL-3-19	NPL-2-19	NPL-1-21	WSPL-20	ESPL-24	NPL-6-20	PB-3-8	S-6-8	S-5-15	S-4-15	S-3-15	8-7-15	S-2-15	S-1-15	>- 1	NUMBER	SAMPLE	
	:. Z	10/20/06	10/20/06	10/20/06	10/20/06	10/20/06	10/20/06.	10/20/06	9/18/06	9/18/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06.	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06	8/31/06		DATE	SAMPLE	OF SOIL FOR
		30"	361	32".	36,	24"	24"	60"	18.5-20	23.5'	∞ï	مَ	20'	191	19	19'	21' .	20	24 ,	20'	∞ <u>.</u>	<u>∞</u>	万	15)]5 <u>.</u>	16	151	15'		DEPTH	. 1	TOTAL
	0.02) · *	*.	ķ .	*	*	*.	* .:	*	*	7 10 10 10 10 10 10 10 10 10 10 10 10 10	Y .	Y Y	NO .	B.	Y,	N N	A:	A	¥ 	ች · .	Y U	Z U	Ä	Y		A	6.1	mg/kg	BENZENE		PETROLEUM HYDROCARBONS
•	0.05)	*	*	4	*	*.	*	*	*	B.	B.	3: 3:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Y Y	: 8 	집 	3;	百; ·	Zi:	*	E E	A	YY.	J,	3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	A.	4.1.	mg/kg	TOLUENE		MHYDROC
	0.05	*	***************************************	*! :	*.	*	*	*.	 .: *	; *;	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Y.	: 3: ::	Y Y	8	百. 百.	장:	3; 10;	: 공:	¥:	*:	: F.	¥:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	B.	1	Z.	ر الم	mø/kø	BENZENE	ETHYL-	ARBONS
	0.05	*	***************************************	* i	*.)k	*****	* ***	*!	*	NH NH	3	· ! 집:	Z Z	ZI ZI	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	공:	3	8	. I	*	NO:	. : Y	: Y	ď.	Office of the second	A.	12	ma/ka	XYLENES	TOTAL	EPA METHO
	10	B	3	8	3 ¹	3 3		N.	3: 3:	Z.	B.	Y .	3 8	8	NO.	Z!:	: : :	Z:			30	Y-1	Z I	3!!	A;	360	Z.	·920	ma/ka	GASOLINE		IOD NWTPH-Dx
	30	百 百 1	3:1		- - - -		3,1 1,1 1,1	Z	3 .	- "i 子ii - ii	: Z: J: J:	1 3:1	8:1	 : 3 : 4	3:13	Y .		T	3 3 1	y,i	-: 3.;	 B i	: Zi;	3 }	Z .	J.;	3 i	ND A	malka	DIESEL		-Dx/Dx EX
,	40	B	8	 220 : . :	3 i	3	87	3:1 -:	: 3:1 ::.	: 3:1 1:1 1:1	3 3	: 2 1	3.i	, i	Z;;	3;	3:6	3:	3:1	= : = :	Z',	3.	3 6	3 i	Z:{	3 i	3: i		יין אוריין	OIL.	~ ! . !	TENDED
	40	ND		Z, E	Z	3 E		3 i	: E : : :	3:18 3:18	· 到:{ - ,	3:8 -:	3;t	Z';	 3.6	3 i	. T	Z':	Z, ;	- 3.E .:.	J;ŧ	3 6	3 i	3 t	- : - :	3 8 	3 E				MINERAL	
						; ;	!			:	:	1	:	***************************************	:	!	. ;	· ·	*					•					:			

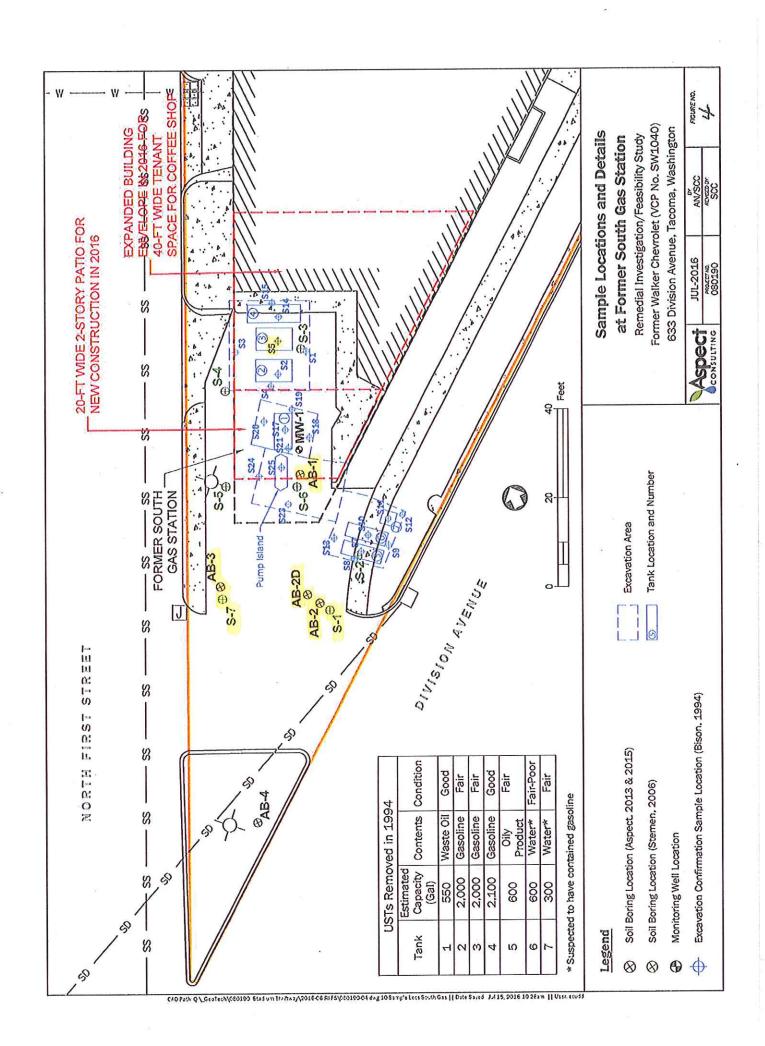
Figures

- Figure 1 Site Location Map
- Figure 2 Site Map For Morrell's Dry Cleaners & Former Walker Chevrolet
- Figure 3 Sample Locations and Details Near Former Paint Booth
- Figure 4 Sample Locations and Details at Former South Gas Station









Tables

- Table 1 Soil Sample Results at South Gas Station
- Table 2 Soil Samples Results Near Former Paint Booth
- Table 3 Groundwater Volatile Organic Compound Sample Results
- Table 4 Groundwater and Soil Sample Results from MW-11 Near Former Paint Booth
- Table 5 Indoor, Ambient, and Sub-Slab Air Sample Results Near Former Paint Booth

Table 2. Soil Sample Results at South Gas Station Project No. 30130, Former Walter Chemilet Site (VEP No. SW1040) 639 Division Avenue, Tacoma, Washington

Notice:

Notice:

Position of the highlighted fort inclicative exceedance of most consorrable scarcering level.

Potential chemical concern inclines passiline-range engants: them Table 500-1 in Model Toxics. Centrol Act.

It = Rock

The Table 500-1 in Model Toxics Centrol Act.

NTCA = Model Toxics Centrol Act.

NS = Reit reported

NS = Reit reported

NNTPA = National Toxics and disclosure in Preferencing Institute in National Post in Model Toxics and Institute in National Post in Model Toxics.

NATPA = National Institute in State Search Institute in Model Toxics and Institute in Model Toxics.

NATPA = Valantiment Institute Insti

Description/Chemical Name	Laboratory	Method A. Unrestricted Land Ube. Table Value (maflet)	AB-4-15 transacts	AB-1-25 12720/2013	AB-1-45 122302013	AB-1-61.5 12/20/2013	AB-2-ACS	AB-ZD-10 3142016	AB-20-15 34/2016	AB-20-27.5	ABLEDIS ABLEDIS	AB-2D-C2_5	ABBAGS	ABANGS
noticoal				Middle of parking lot (Near former pump kland)			SE corner of parking lot (5 ft from \$-1)		38.8	SE comer of parking lot (Adjacent to AB-2)) lot		SW comer of Trangular parking lot medium sout	Triangular medium seu
Sample Depth			151	200	45#	#410	76.5 11	101	n St	27.5 ft	37.511	32.5 11	16.51	16.3 ft
Total Petroleum Hydrocarbons														
TPM, Casoline-Kinnie (mniko)	WTPHHCID 418.1	8												
TPM, Diesel-Range (mg/kg)	WTPHHICID, 418.1	2			l									
TPH, Heavy Oli-Range (mg/kg)	WTPHHICID, 418.1													
TPM, undifferentiated (ma/kg)	418,1	8												
TPH, Gasolno-Kango (mg/kg)	NWTPHGX	8	22	0	0,00	20	1,300	0.0	025	18	7.0	ne	900	c
TPM, Diosol-Kange (ma/kg)	NWTPHOX	2,000					1.600 X	20 05	X 011	D 05	20.0			95
TPH, Ol-Konge (molkg)	NWIPHOX	2,000				A	250 U	2800	250 U	250 U	250 U	0.00	l	050
Volatile Petroleum Compounds												ı	١	
Benzene (malkg)	SCHOOL	0.03	0.02 U	0.00 C	O.02 U	0.02 U	0.03 U	0.03 U	D 20.0	0.03 U	0.03 U	0.03 U	0.03	0.03
Toluono (mo/kg)	SCEOC	7	0,020	0.02 U	O.00	0.02 U	D 60.0	0.05 U	280	0.0¢ U	U 40.0	0.000	11 500	000
Ethylbenzene (mykg)	AZEOC	9	0.02 U	0.CZ U	O.02 U	0.02 U	0.24	O.05 U-	6,15	0.05 U	0.05 U		0 0000	0.00
Xylenes, total (mg/kg)	SCROC		0.33	0.69.0	0.00 U	D 20.0	-	O.51.0	0.33	U 21.0	0.15 U	ı	l	ı
Fuel Additives and Blending Compounds												ı	ı	l
1,2-Dipromoethane (EDB: make)	SZSOC	0.00\$	0.05 U	D.05 U	0.05 U	0.05 U	0.00	U 20.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05
1,2-Dichloroethane (EDC; makes)	SONOS		വരാ വ	D.65.0	O.05 U	0.05 U	0.05 U	0.05 U	0.86 C	O.05 U	0.05 U	0.00.0	U 60.0	0.05
Methyl tert-butyl ether (MTBE; mg/ke)	SZEDC	0.1	0.05 U	D 50.0	O.05 U	0.05 U	0.05 C	0.00	0.05 U	0.05.0	0.05 U	0.05 C	0.05 U	0.05
Lead (make)	2002	250	1,49	2.50	231	1,90	3.46	2.59	3.02	2,18	255	1.5.1	7.38	1.85
Other Petroleum Compounds										2000				
Nephtholone (mg/kg)	MIS GOZZA	9	0.05 U	0.05.0	0.05 U	O.05 U	0.12	0.05 U	D 50'0	0.05 U	0.05 U	0.05 U	0.77	10.0
Isopropylbonzone (mn/kg)	M22 G0728						2.4	O.05 U	-	O.05 U	O 60'0	D.20.0	0.54	0.00
n-Propylancone (mg/kn)	MC700 SIM						3.9	O.05 U	33	O.00.0	0.05 U	0.05 C	1.1	0.05
1,2,4-Trimethylbenzene (mgAg)	MES 007.28						81	0.05 U	24	0.00	0.05 U	D 50'0	1.7	0.00
1,3,3-Trimethylbenzene (mg/kg)	MIS COLZS		200				12	0.05	14	0.05 U	0.05 U	0.05 C	1,8	50.0
n-Butylbenzene (mylicg)	M2700 SIM						N.	N.	S.S.	NE	NE	SN	NR	XX
sec-ButyDenzene (mg/kg)	E270D SIM					1	0.26	O.05 U	9'0	U 80.0			1,1	0.05
ten-Eutyberzene (mg/kg)	MIS COLZE	The second second			1010	-	0.05 U	O.05 U	O.05 U	D.005 U			U 20.0	0.05
Isopropytoluene (mg/kg)	MtS C0229						an	NR.	NK	NN	N.S.	NR	NK	XX
p-isopropyttoluono (mg/kg)	MIS COUCH						1,3	0.05 U	0.96	0,05 U	0.05 U	D-60:0	5,1	0.05
Other Compounds										100000000000000000000000000000000000000				
Chlomated VOCs (make)	2260C						Q	QN	QV	QN	QN	QN	ON	QN
PCB medures (mg/kg)		1	Section 1											
			Notes:											

Table \(\frac{\tau}{\text{Soll Sample Results at South Gas Station Project No. 30110, Former Walker Chemilet She (VCP No. 5W1040) 633 Division Avenue, Tacoma, Washington

Noves: Bodd hyplighted fort indicates exceedance of most conservative screening level. Potential chemicals of soneon include gasedinerange organics from Table 830-1 in Nocei Tooks. Control A.C.

			-															
		Solf, INTCA Method A. Unrestricted	Soft, MTCA					_										
Description/Chemical Name	Laboratory	Land Dae, Table Value Imeritori	Method D. Table Value (maylet)	70 70 70 70 70 70 70 70 70 70 70 70 70 7	70 7001-0017	22-10	2250	S S S S S S S S S S S S S S S S S S S	242 Menos	3730	2,1-20	250	01/210	270	DE-G DE-TON	27.4	78	265
Semple Depth	Г					1-	-	1	-	-	-	1	-	-	1	4.8	H A	20
Total Petroleum Hydrocarbons (TPM)				11											50			
	NWTPHCe	81			1	1		1										
I'M Maler Cill Harde (mother)	NATIONALIA	000			+	1	1	1	1	1	+	1	1	1				
	WTPHMCIO, 418.1	100			-		-	-		0.00		1	0.00	300	0.00	700	17.0%	11 00
	WTPHHICIO, 418.1	2,000		-	-		-	-	-	200	-	-	200	2003	3	3	200	200
	WIPHHILD, 418.1	000;			-	-	-	-		One			94.	100 0	U 001	1000	1000	J 000 L
H, unditerminated (mg/kg)	410.1	8			E .	000'0	e	8	480		2,500	4,400						
Volatile Petroleum Compounds	000			Ì				- 1	·				-					
בשנים ושלוקולו)	1	000	10.	0,50	0.000	0.50	1	-	0,000,0	0.000.0			0.024	0.00.0	U 2000	0.000.0	0.000 U 200.0 U 200.0	0.000.0
rese (mond)	DC-10C		0000	1	5	911	1	т	-	0.00c n	1	1	0,77.8	E. i. G.		0,011 15	0,014 13	0,000
ofer total crecitors	100.00	,	100	36	2000	1	f	0 0000	2000	2000	1	1		2000		0000	0.000	0000
Additions and Disputant Compounds					-	2		1	+	100			2			0.000.0	0.000	0,000
1 Othornosthans (FOR: motions	Choc	0000	.0	100	17.00	0.40	-			11 100	-	-	1000	11.00		100		11 100
Dichlargerthane (L.D.C. monot	4		11	0:0	ш	0.30	ĺ	0.000	17.000	0.000		1	1	1	1	1 200	0 1000	1
that tori-bunk ether (MTIII.: moulin)	00,00C	0.1	2000	N.	L	XX				NK	-	-	200	and a	200	200		2
(Distribution)	9000	000		2.840	and a	A			4	1					-		5	2
r Petroleum Compounds					-									1				
unvilbarceana (movilor)	SCHOOL		4000	1,7	0.000	0.4%	ľ	,	Ì,	0000	-	-	2000	010	11.000	11 2000		1000
-HUVDercene (mysky)	COOC			t	0000	0.45	ľ	0.000	+	0000		1	200	0000	17.000	1 600	2000	1
propybercane (myAn)	CONOC			1.0	0.000	3.6		Ì,	1	0.000			000	0.000	11 -1000		0.000	1000
CONCENTRATION (MIS/AC)	OCHOC			t	0.000	0.40	ľ	,	₽	0.000			0.000	o over	0.000		11.000	1
Methylone chlande	COOC	500	Octo	۲	50,475	0.25.0	-	D.C. C	0.00	0.000 11	-		N 8200	0.50	ACO H ALOO		O Delta III	0000
4-Methyl-pretanone (Millik) (monch)	COOC			38.5	0.000	23.0		,	₽	0.000			0.000	0.50	0.00	1	0.00	0000
Nuprinalisme (mg/km)	CROC		1,000	M CNO	0,000 III	1.1		5	1	0.000			0.000.0	0.10	0.000	7.4	0.000	0.000
Opviberznos (moving)	a2v0C		9,000	A	U C20.0	4,5		5	L	0.000		-	900	O.Ours	0.000.0	200	0.000.0	0.000 u
4-Trimethythermene (mysky)	COOC			175	1 2/0'0	11		0.000	L	0,000 U			0.13	0.75	5,00	200	U-200.0	0.000
Self rimethytherchone (mg/kg)	SCHOC		900	25	2000		-	5	⊢	0.000			0.07	CO	0.000	200	0.005.0	0.000
Chlorenated VOCs					-			Н	П					1				
achloroethylene (mg/kg)	SOOC A	20.0	470	23		21.20	100	-		0.000.0			6,063	0.00.0	0.00 U	D.000.0	0.000.0	0.000.0
Managhviene (make)	1	0.03	ç	0.50	U 220.0	0.2% U		Н	0.000 U	0.000 U			0.000.0	0.00.0	0.05 U	D.000.0	0.00co	0.000.0
Cochooathylana (mg/kg)	SC10C		350			0.00		Н		O 0000			0.005.0	0.00.0	0.05.0	D.200.0	U 200.0	O.000.0
Chloride (mg/kg)	1		0.67	5	0.00.0	046 0		0.00	Н	0,00			U 10.0	0.1 U	0.1.0	0.00	0.01	O.01 U
robertrene (mgAcr)	١		1,600	1	- 1	0.220	-	0.000 U 0.000 U	Н	D.200.0	-		0,000,0	0.0c. U	0.05 U	D.000.0	U 200.0	0.000
Digniprobenzene (mokig)	ı		007/	100		0.250		0.000.0	Н	0.000.0			0,000,0	0.00.0	0.00.0	0.000s U	0.005 U	0.005 U
DigNorobenzene (mgAg)	CCCC		0000	65	0.000	0.00	100	0.000.0	Н	0.00c U			0.00c U	0.05 U	0.05 U	D-500.0 D-500.0	0.005 U 0.005 U	0.005 U
relic Avernatic Hydrocarbona					-													
Clenzia Lanthragana (mg/kg)	MEC/OD/COM		151		-						-	-	-	-				
So(a)thritoire (chg/kg)		0.1	0.137		-		10	-		-				-	1000			8
re(biflueranthern (mesker)			121					-		-	-			-				
o(k)thoterthene (minkey)			127		-	-	-	-	100	-	-		7					
sene imorkij)			127		-		-		0				-	-				
nort, 2, wedipyrone (meyler)			121		-													
rizia Namihracana (myikg)			0,137		-			-			-							
nonenc Pare TeO (mpay) (calculated)		0,1																1000
Normaled biphenyla (PCDs)																		
באוסי דביבו נותקאונו)								-		-			10000	-				
Arochior 1252 (mg/kg)	DOB2A				1		-			-			2000	-				
Chlor 1016 (mg/kg)	BOESA		36							-								
chier 1242 (meyley)	#CSOS									-								
thor 124k (mg/kg)	NOSCA.				-		-	-										
zhor 1234 implanji	A2:000		0.5		-	-		-		4	-							
shior 1200 (mg/kg)	ACROS A		50					-		-	-			-				
Arochlar 1252 (mp/kg)	MCBCA.	-	Section 1					-		-	-							
Arochior 1208 (mg/kg)	ACROSA ACROSA				-	-	-	-		-			100000	-				
Paherlornaled biphenyl (PCIS) medunes			6.0		-		-	-			-	-						
Metalu					-							The second second						
Antenia (mythy)	20078	30	0.67	000	20	0.0	-	-		-	-	-	-		8			
um (motyra)	:00%	•	16,000		2,000	40.0	-	-			_							
שורוש (שלוקים)	2007	**	202	36	4	0.50							911					
emean implicy;	2007	2,000	120,000	110	120	18.6		-	-	-	-							
Lead (mydel)	200.5	92		2,340	010	a				Ī				-				
CUAN (MODALO)	2002			20	200	30	-	-		-	-							
THOM (MOVED)	2000		400	000	000	00	1	1	1	1	1	1		1				
Chicago a	and a		٦	07.0	200	0.70	-	-	-	-	_							
				Notes:		The state of the s				2	NK = not reported	9	4	I'M a total petroleum hydrocarbo	Doleum Pydroca	PLDOD		

Table 2 Soil Sample Results Near Former Paint Booth Poletto. 10010, Former Walker Chevolst Site (VCF No. SV1047) CCD Division Normas, Tacoma, Washington

Table \$\hat{\mathcal{B}}\$ - Groundwater Volatile Organic Compound Sample Results
Projectity 000100 Monet's Dy Crauses Sig (VCP Its SW1003) and Format Variat Channel Sig (VCP Its SW1003),
000 October Auren, Tecona, Wildfordon

10 55 12 2 2 2 11 65 65 10 10 10 10 10 10 10 10 10 10 10 10 10	23.97 33.03 0.2.03 1.11.09 2.2.2.19 2.7.12 1.10.12	0 0 1	41 41 41 41 41 41 41 41 41 41 41 41 41 4	70 70 70 41 41 41 41 41 41 41 41 41 41 41 41 41	100 100 100 100 101 101 101 101 101 101	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	02 02 02 02 02 02 02 02 02 02 02 02 02 0	01 01 01 01 01 01 01 01 01 01 01 01 01 0	41 41 41 41 41 41 41 033 1 25 35 40 50 40	41 41 41 41 41 41 41 41 41 41 41
10 55 12 2 2 11 65 6 16 16 16 16 16 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	93 C3 0 2 C3 111 C9 2 2 2 19 2 7 12 110 14 110 12 110 14 110 12 110 13 110 1	21 21 21 21 21 21 21 21 21 21 21 21 21 2	41 41 41 41 41 64 1,439 413 413 413 413 414 414 414 414 414 414	41 41 41 41 41 40 2,400 2,400 2,400 2,400 2,400 1,400 1,400 1,400	41 41 41 41 41 52 7.4 3 53 57 48 410 27	च च च च च च च च च च च च च च च च च च च	62 62 62 62 62 62 62 62 62 62 62 62 62 6	च च च च च च च च च च च च च च च च च च च	41 41 41 41 039 1 25 35 40 50	61 61 61 61 62 81 61 10 61
10 55 12 2 2 11 65 6 16 16 16 16 16 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	93 C3 0 2 C3 111 C9 2 2 2 19 2 7 12 110 14 110 12 110 14 110 12 110 13 110 1	41 41 41 41 41 42 42 43 43 43 43 43 43 43 43 43 43 43 43 43	41 41 41 61 64 5,899 619 619 619 619 619 619 619 619 619 6	41 41 41 41 40 2 7,100 2,400 2,400 2,400 2,400 1,400 1,400 1,400	41 41 41 42 7.4 3 53 57 48 4100 27	02 02 02 03 04 05 05 05 05 05 05 05 05 05 05 05 05 05	\$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$	रा रा रा १० १० १० १० १० १० १० १०	41 41 41 033 1 25 35 40 50	41 41 41 41 41 41 41 41
5 12 2 2 11 165 65 12 2 2 2 12 65 11 11 11 11 11 11 11 11 11 11 11 11 11	11109 22219 2712 2712 21014 22507 23003 0203 1209 1210 1712 2414 2414 2415 3315 1815 1816 2203 0303	41 41 42 2,449 1,449 1,649 1,649 2,199 1,649 1,6	41 41 94 1,855 619 135 935 1,555 813 813 (4) (4) (4)	41 41 41 20 2,600 2,600 2,600 2,600 2,600 1,600 1,600 1,600	41 41 41 42 7.4 3 53 57 48 4100 27	41 41 42 41 41 41 NO 41 4100	\$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$	रा रा रा रा रा रा रा रा रा रा रा रा रा र	41 41 033 1 25 35 40 50	41 41 42 81 41 10 41
2 11 165 65 17 11 12 2 2 2 12 65 17 16 16 16 17 16 17 16 17 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	67.12 11014 2507 2003 02.03 02.03 17.12 12.13 22.14 21.15 20.15 20.15 21.16	41 422 2,600 1,400 1,500 1,600 2,100 5,600 1,600	41 04 1,459 619 619 935 1,159 619 640 r(sected \$53 ga	41 49 2 7,119 2,649 2,449 2,449 2,449 1,459 1,459 Cora of blost	7.4 3 53 57 48 4100 27	41 41 41 41 41 80 41 4100	92 92 11 92 31 21 21 22	रा 92 10 रा 10 रा 10 रा	25 35 40 50	41 42 81 41 10 41
65 6 10 11 16 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2507 3003 0203 1209 12210 17.12 17.12 18.13 24.14 30015 18.15 12.16 22.03 30.03	2,500 1,400 1,900 1,600 2,100 1,600 1,600 1,000	1,800 613 613 933 1,100 813 643 400cted 653 go	7,600 2,600 2,600 2,600 2,600 2,600 1,600	7.4 3 53 57 48 4100 27	च च स १० च	- % = = = = = =	10 10 4 4 4 8	25 35 40 50	81 10 41 41
65 11 16 5 12 2 2 13 16 16 16 16 16 16 16 16 16 16 16 16 16	0203 -1207 -1207 -1210 -1213 -2414 -2115 -3315 -4316 -2203 -3303	1,500 1,600 2,000 1,600 1,600 1,600	(13) 935 1,559 10) (4) (4) (4)	2,400 2,400 2,400 1,400 1,100 (tons of bloss)	53 57 48 41(9) 27	41 40 41 4100)	3225	1.0 <1 <1 <100	35 40 50	10 41 41
12 2 12 6 17 7, 6 2 2 65 17 16 16 16 17	22 10 17.12 12.13 24.14 21.15 30.15 6.15 12.16 22.03 90.03	2,130 5,600 1,600 1,000 10 10 25	1,559 810 643 (facted 653 ga	2,130 E,450 E,150 Clona of blost	48 4100 27	<1 <100	217	*1 *100	50	41
2 12 6 17 7 6 2 2 65 10 10 10 5	17.12 12.13 24.14 21.15 30.15 30.15 31.16 22.03 90.03	1,600 1,600 10 10 10 25	(45) (45) (46) (46) (46) (46) (46) (46) (46) (46	EARD EARD Clocks of blost	27				<100	- 46.5
65 17 265 17 16 16 16 16 12	2414 21/15 33/15 35/15 12/16 22/03 93/03	13 13 23	fected 659 ga	tions of blosti				*1	33	<100
65 14 10 55 12 2	3315 815 216 2203 3303	21		155	el strange	canactaos	a Factory Err	diffed and 10	Diethac F	itter)
£5 10 10 5 12 2	2203 2203 2303		13	619	1.8	41	11		•	41
10 5 12 2	33 03	21	110	663	18	42	18		_ :	41
5 12 2		81	1.1	13 45	41	41 41	<02 <02	33	18	41
12	0203	13	32	17	41	41	*02 *02	13	10	41
	2210	(0)	11	41	41	41	=02 =02	3 2 4 5	29	41
	914	e02	0.43	-12	-02	40.2	-02	e02	0 35	e)2
4	2614	659 gatton	6.2	64	41	el el	<35	potentially pus 21	1.1	41
2	215	31 27	36	3 6 2 5	41 41	41 41	<02 <02	:		41
	3203	1.6	41	41	41	41 41	<)2 <)2	1.6	4)	41
16	0203	<1	<1	41	<1	<1	e) 2	15	4	41
12	2210	1.4	<1	-11	<1	41	<0.5	33	<1	41
1	7.14	1.4	<1	41	41	<1	<02	16	<1	41
		(1)	310	3,640	7.6	52	6.9	41	25	41
		749	150	1,850	37			41 41		41
2	7:12	819	610	1,610	*100	4100	439	<100 e50	<100	<100 <50
10	2314		elected \$15 ga	flores of blosti	milut (alth	03 ms cf 303	e Fectory Em	drifted and 30	IS CHROF	
7/	3315	65	19	765	1.1	1.5	1.9	."	."	41
		23	15	839	15	42 25	14	•		41
63 6	12.09	41	23	41	41	41	e)2	1.4	19	41 41
1/	2314	<1	1.4	41	41	41	<32	<1	41	41
16	27.15	41	32	4	4	4	-02	-1	<1	41
60 12	17/13	413	119	219	410	<10	42	<10	410	<10
				itens of blosti	410					<10 irrer)
6	215	43	83	229	41	41	7.4	:	:	41
60 12	1313	411)	deried \$10 px	353	() ()	41	(0.4)	22	25 Pasified Fr	el imed
16	21:15	- 11	6.3	110	<5	<5	2.2	<5	45	45
1 6	2414			itons of blosti	account State and the	13 Rs of 103	e Factory Em	defead and 30	Bs effRCF	irrer)
6		411	fected 612 ga		mului (alb)		e Federy Em		the effecti	irter)
6	2414	62	48 befected f		41 blostimulari (41 425 (13 lbs c		ry EmulsiStd a	of D) Racit	
		1.4	39	45 35	45	45	1.5	-5	- 5	43 41
2	215	8.5	5.1	43	41	41	1.5	16	22	<1 <1
1 6	2414	b	dected \$13 ga	tora el biosti		59 Rs of 103	e Factory Em	diffed and 10	Rs of HRC F	
9	915	- 11	5.5	150	41	41	iii	."	•	<1
		(4)	133	(1)	<10	*10	-13	410	«10	<10
0	2314									irrer) eS
		7.1	9.2	61)	16	•1	8.1		-	<1
2	1/15	- 11	11	(9)	17	41	9.7		· ·	- 41
		41	41	11	41	41	e)2	19	41	41 41
2	612	<1	*1	2-5	<1	*1	-D2 .	1.8	*1	*1 <02
4	2815	41	<1	54	<1	41	e)2	17	41	<1
2	216	41	-1	€2	41	41	e32	_ ;	:	41 41
133 12	2210	41	41 41	22 17	<1 <1	41	455	41 41	41 41	4) 4)
17	1014	07	034	22	<0.2	e) 2	e) 2	e) 2	<0.2	<02
8	1015	<1	<1	91	<1	41	«D2	"	"	41
145 12	2210	14	32	30	41	41	<0.2	41	41	- 1
12	1613	6.9	37	32	<1	*1	-02	41	<1	41
4:	2315	41	41	14 22	<1 <1	41	-32 -32	41	41	<1 <1
1 6	215 1							- 4.	- 3	<1
2	215	22	21	23	*1	41	e)2		- (1	
14) 2		22 42 24 22		23 23 45 25			©2 ©2 ©2	41 41 41	र्ग च च	41 41 41
		19300 1920	13003 18	1930 18 4 1920 15 1921 14 4 4 4 4 4 4	19300 16 4 4 4 4 4 4 4 4 4	19300 19 41 41 41 41 41 41 41	10300	1950 19	19300	10306 16

Table 4 Groundwater Sample Results from MW-11 Near Former Paint Booth Project No. 080190, Former Walker Chavrolet Site (VCP No. SW1040) 633 Division Avenue, Tacoma, Washington

Chemical Name	Laboratory Method	Groundwater, Method A, Table Value (µg/L)	Federal and State Maximum Contaminant Level (µg/L)	11-14/14 11-14/14 11-14/14	MW-11 12/22/2010	MW-11 1/23/2014	MV-11 3/20/2015	MW-11 4/28/2015	MW-11 10/07/2015	MW-11 2/3/2016
Site Name Location Description					10/20 10-20	Forme	r Walker Che	vrolet		
Total Petroleum Hydrocarbons						Politic	r Paint Door	1 AVE		
otali elioteomiijolotatooni					7.72	-				
Gasofine-Range Hydrocarbons (µg1.)								- 1		
(no detectable benzene)	NWTPHGX	1,000		11		100 U	100 U			
Diesel-Renge Hydrocarbons (µg1)	NY/TPH-Dx	500				60 U	82 X			
O3-Range Hydrocarbons (µg/L)	NV/TPH-Dx	500				250 U	250 U		1	
folatile Organic Compounds (COPCs										
Benzena (µg·L)	8260C	6	6	1 0	0.35 U	0.35 U	0.35 U		0.35 U	0.35
Tolvene (µg/L)	8260C	1,000	1,000	1 0	1 0	10	10		1 0	1
Ethyloenzene (µg/L)	8260C 8260C	700	10 000	1 U	1 U	1 U 3 U	1 U		1 U	3
Xylenes, total (µg·L) Tetrach'oroethylene (µg·L)	8260C	1,000	6	10	1 U	1 0	10		1 U	1
Trich'oroethy/ene (pg.1)	8250C	5	5	2.3	4.6	1.4	3		32	3.1
cis-1,2-Dichloroethylene (µg-1.)	8260C		70	1 0	1 U	170	10		1 U	1
trans-1,2-Dichloroethylene (µg1)	8260C		100	1 0	1 0	10	10		1 0	1
1,1-Dichloroethylene (µg1)	8260C		7	1 0	1 U	1 0	10		1 0	1
Viryl Chloride (µg·L)	8260C	0.2	2	02 U	0.2 U	02 U	0.2 U		0.2 U	02
Carbon Tetrachlorida (µg·L)	8260C		5	1.4	2.8	1 0	1.2		1 0	1
Chloroform (µg L)	8260C		03	1.9	2	1 0	1.1		1 U	- 1
1,4-Dioxane	8260C					10 U	0.4 U		-	
olycyclic Aromatic Hydrocarbons										
Benz(a)anthracene (µg/L)	8270D SIM					0.05 U		- 1		0.1.1.4
Benzo(a)pyrene (µg·L)	8270D SIM	0.1	02			0.05 U			110000	
Benzo(b)fluoranthene (µg1)	8270D SIM		-			0.05 U				
Benzo(k)fluoranthene (µg1)	8270D SIM					0.05 U				
Chrysene (pg1)	8270D SIM					0.05 U			4	
Dibenzo(a,h)anthracena (µg·L) Indeno(1,2,3-cd)pyrena (µg·L)	8270D SIM					0.05 U		-		
Total cPAHs TEQ (µg L; calculated)	82700 S!M	0.1				110				
Tens di veni lea (pg e, caxo atto)	8260C/					- 110				
Naphthalene (ug/L)	8270D SIM	160		1 0	1.0	0.15	1 U	í l	10	1 1
uel Additives & RCRA Metals						3.7.2	-			
1,2-D.bromethane (EOB) (µg·L)	8260C	0.01					0.01 U		1 0	1
Arsenic (µg-L), total	200.8	5					5.15	6.29		
Arsen's (pg.L), dissolved	200.8	- 5						1 0		
Barium (µg·L), total	200.8						57.9	73.2 12.5		
Barium (µg·L), dissolved Cadmium (µg·L), total	200.8	5					1.0	12.0		
Cadmium (µg1), dissolved	200.8	5					10	1 0		
Chromium (µg 1), total	200.8	60					24	26.1		
Chrombin (pg1), dissolved	200.8	50						1.76		
Lead (µg/L), total	200.8	15	15			2.44	4.99	62		110.511.5
Lead (pg.L), dissolved	200.8	15						1 U		
Mercury (pg·L), total	200.8	2					1 0	1 0		
Mercury (pg-L), dissolved	200.8	2						1 0		
Selenium (µg1), total	200.8						1 U	1 0		
Selenium (µg.L), dissolved	200.8							1 0		
Silver (pg1), total	200.8						1 0	1 0		
Silver (pg.L.), dissolved	200.8							1 0		
olychlorinated Biphenyls (PCBs)										10
PCB Motures (µg·L)	€092A	0.1	0.5			0.1 U				
atural Attenuation Parameters Dissolved oxygen (mg 1)						2.3	26		27	2.5

Oxidation-reduction potential (m/y)
Notes:
Brank cet = Indicate not sampled or no standard exists
COPIC = chemical of potential concern
COPIC = chemical of potential concern
MPAT = carcinogenic polycyclo aromato hydrocarbon
mgit = mitigrams per iter
MPAT Model Toxics Control Act
MPAT Mitigram
TEQ = loxic equivalent quotient
U = enalyte was not detected at or above the reported result.
MPAT = mitigrams per iter
Dissolved metals were filtered through 0.45 micron filter

Table of Soil Sample Results Near Former Paint Booth Preet No. 18070, Femer Walter Cherotet Sile (VCP No. 5W1040) CD Division Avenue, Tacona, Washington

Continue C	Description/Chemical Name	Laboratory	Table Value families	Solt, MTCA. Nethod D. Table Value (medler)	200	76.5 actrose	2,007	PCLS 1972-7900	. 5	PCINC	
Notice and the continue of t					110	4 X	E C			-	
Marchitector Marc	And Description to second advance of Philips										
National Part National Par	TPH. Casobra-Varye (morke)	NWTPH-C#	100			30	ON	QN	ON	QN	
WITHWHICH A	Harrya (money)	NAVIPHADY	П			ON	ND	QN	NU	QN	
WYTHER-MICE AREA 1200 WITHER-MICE AREA WITHER-MICE AR		NATHHOR				ON	QN	Q	QN	67	
		WINNESCHOOL ATB.1	1								
CCCOCC		WIPPEHCID ATALT	1								
Control		432,1	П								-23
Comparison	/olatile Petroleum Compounds										
Marchanester Activity Activ	Tolumo (motion)	SCHOOL SCHOOL	0.03	10.00	0.00	0.000				I	
March Marc	Litry(Den'Zen'e (my/kg))	6CT0C	9	000'4	0.05.0	0.00					
Color Colo	Aylenses, lotal (mg/kg)	S. W.C.	3	10,000	21.0	0.12					
100 100	1 2-Distance the decision Compounds	ACMOC	0000		0.000	0.000					
100 100	1,2-Denkolowinaria (E.D.C. mg/kg)	SCHOOL		11	טימני ח	0.000					
1,17 1,17	Methyl tert-cutvi ether (MTISH; monin)	COOC	0.1	diate.	0.000	0.000					
COUNTY C	Load (mo/kg)	200.8	330		1.71	1.10					
COOK	Other Petroleum Compounds										
COUNTY C	netterthermore (moving)	SCHOOL STATE		4000	NA CO	N. C.					
COUNTY C	Interconfigurations (modular)	1000 E			0000	0.000					
1,000 1,00	Chinochomiothene (min/hi)	SCNOC			0.000	0.000					
100 100	Methylane chands	SCHOC	50.0	400	0 6,0	0.50					
100 100	A-Melivic Spentanone (NBHK) (mrvin)	SOUCE			0.00	0.50					11
Control Cont	Nephthalme (methg)	ACKOC.	a	1,000	0.00.0	0.000					
Control Cont	numbercens (modius)	SCHOC.		8,000	2000	0000					
Control Cont	The transferdient and transferd	SCHOOL STATE		000	0000	2000					
COCC OLD COC OLD	Chlormated VOCs										
10 10 10 10 10 10 10 10	Tetmortosthebre (mg/kg)	80,000	0.05	470	21.0	21.0					- 12.
1,200 1,00	I remorbethylane (my/km)	RCAGC	0.00	31	U 20.0	0.000					_
COUNTY C	CHEAT ("	SCNOC.		3	0.00	0000					
COUNTY C	Chorne	S. S	-	1001	0.00	0.00				I	_
Color Colo	Chlorody	CONCE		00:1/	0.000	2000					
### CATOLOGY	ş	action.		2,000	0.05.0	0.000					
### CATOLO SEM D. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.											_
CATON CASA	Linear (mphysis)	MEC CODES		121							_
COUNTY C	Sercial purene (minks)	MEC COLUM	0,1	0.137							
1.00 materials (1.00 materials	SACOOTON MANAGEMENT (PRINSING)	M2700 24M		151							
Company Comp	Checago inspired	AND COLOR		14.							_
O Company District O Company O	Prince Complete	ML: COCCA		13/							_
1.C. (verying) (securioses) 1.C. (verying) (Dibenzia, Nandivaziene (mg/kg)	MEZ CONTR		VC1.0							_
90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	coremogene PAHs, TLD (mg/kg) (celeulated)		1.0								
### ##################################	Polychlorinated hiphenyla (PCLIA)										_
70 (1972) 70 (19	Arochor 1.23 (mpkg)	ACROS A									
20 (100 cm	Artection 12.2. (mg/kg)	ACMON A		1							
1	Aregner 1242 (molin)	ronc's									_
### ### #### #########################	Arochor 1248 (mg/kg)	ACHOR									_
9.0 edition. 1 10.00000000000000000000000000000000	Arechor 1254 (movin)	MG65A		5'0							
7) 7) 7000, 70000, 7000, 7000, 7000, 7000, 7000, 70000, 70000, 70000, 70000, 70000, 70000, 70000, 70000, 70000, 70000, 70000, 70000, 70000, 7000	Arosition 12tic (myter)	CORTA		50							
2007. 2008. 2009.	Argenor 1.0. (meyer)	A COUNTY									-
2004 200 2004 200 2005 2000 2006 200 2006 2006		-	-	0.0							-
2004	ı										
700.4 . 16. 700.4 . 200. 170 700.6 . 200. 170 700.6 . 200. 170 700.6 . 200. 170 700.6 . 200. 170 700.6 . 200. 170 700.6 . 200. 170	Attent (mg/kg)	300%	92	0.67							,-,
200.8 2,000 170 200.8 2,000 170 200.8 2,00 200.8 2,00 200.8 2,00	Uanum (mode))	300.s		16,000							
700.8 2,000 130 700.8 2,000 130 700.8 2,00 700.8 2	Codmum (mg/kg)	200.8	"	92							_
2002 2002 2002	Chromium (molito)	200.8	2,000	120,000							
20000 20000	Creat (model)	3.00.s	9								_
***************************************	Control of the Contro	2000	1	007							_
- 200.8	Liver (mond)	300.8		400							_
					Notes:						

Description/ Chemical Name	Laboratory Method	Acceptable Indoor Air Screening Level (3144). MTCA Method D. Air, Screening Level	Acceptable Indoor Air Screening Level (SL _M). Medited MTCA Method II, Air, Screening Level	Permissible Exposure Linit (ppm) (3-bour TWA)	Molecular Weight	Permissible Exposure Lint (PCL) (Ipsim') at Condend Temperature and Pressure (Schour TVIA)	Indoor Air, Above Fermer Paint Booth	Indoor Air, Above Former Paint Booth	Outdoor Air, Amblent Conditions	SCGS SCGS SCITCEMENT Level In Soil Cass Method D Indoor Ale (51as)	Correning Level In 30f Cas Protective of Rethed C Indoor Air (3Leo)	Dens	Sub-slab Alr, Denseth Former Paint Booth	6	Sub-stab Air, Adjacent to Former Paint Booth	Sub-sizb Air, Beneath Former Paint Booth	Sub-stab Alt. Neer Pydraulic Od
Location						9	In preparation outside and north of produce cooler	finade current produce cooler and former paint booth area	Parking lot on west aids of North 1st Steet			Cant side of paint booth	West alder of point booth	Middle of paint booth	Beneath concets eldewalk adjacent to building and former roll-up door for paint booth	beneath concrete flooring in preparation erea outside and north of produce cooler	beneath the flooring northeast of meet counter near Borings 811 and 621
Sample ID Sample duration (hours) Date and time collected	- P P						S STORES PA	Indoor-012214 8 172214 3:55 PM	Outdoor Air-012214			Sacos	2,00000	SALOODES	Substance 2334	55-FPB-030015	0.0000000000000000000000000000000000000
100000000000000000000000000000000000000		_m/on	"minn	wad	n/mole	,m/an	"m/on	,mon	,mon	mulm	,m/m	-mytun	,mpon	, when	, who	1	
JO.	191	0.02	40,4	n	100,0419	170,407	27.2	150	100	F	1,20	110	1 000	940	200	100	1000
ß	200	0.37	3	ន	132,3829	2502	40.0314	400	40.17	9	6	8	8	8	1	3 6	3 5
BA-13-OCE	200			8	07,000	200,000	50,0700	A-0	61.13	٠	•	8	8	ş	4	200	
am-12-OCE	ş	•	•	8	07,3323	200,000	9000	25	C0.03	•	•	8	8	1 5	1	200	
iny chonde	5	กู	1,13		63,4629	2555	7120	40,077	8	233	Sign	000	8	8	2000	25.00	4
Benzene	55.00	g	23		70,1124	2,193	677	×	2	107	74.04	3	3	1	MA		
Tolueno	25.00	2330	200	8	92,1400	375,635	10.5	2	NA	26.300	The man	1	5	\$		3 2	3 6
Ethythenzene	200	154	1,313	8	100,107	48,97	17.	2	2	15,200	22,000	2		3 8			;
ylones	20-07	45,7	ş	8	100,107	2000	523	*	NA	3	9	3		3 8	£ :		2 2
Nachthalane		20,0735	0.300	9	128.1720	500,00	5			2	2000	3	3	7	5	30	5 5
Allphatic hydrocarbon	_ 2						2000	0000		-							A
Allohatic hermondon	g	8	PA .				152	½	ð	000'00	376,000					2	
EC9-123	25-07	ð	283				700	ź	2	4,007	000,01					ļ	
Aromatic hydrocarbon		- Longita						THE STATE OF		U							
ECO-10)	100	8	25.				K	2	×	9000	35.300					2	

Table of Indoor, Ambient, and Sub-Slab Air Sample Results Near Former Paint Booth Project No. 20170, Former Walter Chevnet: Sie (NCP No. 50/1704) 522 Chillian Avente, Tatoma, Washington

se); default value of 0.03 should be assumed in Tier I Evaluations