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21 August 2009

Mr. Kenneth Thiessen
Project Manager
Oregon Department of Environmental Quality
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201-4987

Subject: Preliminary Conceptual Site Models for Risk Assessment Screening
Macadam Floor Design, Pacific Pride Fueling Station Site
ESCI # 4723 (Macadam Floor Design) and ESCI #4772 (Pacific Pride)
K/J 0992025.00

Dear Mr. Thiessen:

On behalf of Feige & Associates, Inc. (FAI), Kennedy/Jenks Consultants (Kennedy/Jenks) has prepared this letter to present the preliminary human health and ecological conceptual site models (CSM) for the Macadam Floor Design, Pacific Pride Fueling Station site (Site) located in Portland, Oregon (Figure 1). The Pacific Pride Cardlock commercial fueling station (Pacific Pride Site) is located at 6230 SW Macadam Avenue, and the adjacent property (Macadam Floor Design Site) is located at 6140 SW Macadam Avenue in Portland, Multnomah County, Oregon. The Pacific Pride Site constitutes the subject Site. On behalf of the Sunset Fuels Company (Sunset), FAI is currently evaluating groundwater impacts from a petroleum product release at the subject Site as required by Oregon Administrative Rule (OAR) 340-122.

The human health and ecological CSMs presented in this letter provide the framework for the human health and ecological risk assessment (RA) screening for the Site. The RA screening will be completed as future deliverables for the evaluation of groundwater impacts from a petroleum product release at the subject Site. This letter also provides a discussion of additional data needs based on the preliminary human health and ecological CSMs and future RA screening.

Site Background

This section provides a brief summary of Site background information as presented in the *Quarterly Groundwater Monitoring and Sampling Report, Fourth Quarter 2008* (FAI 2009a). The subject Site is located at the northeast corner of the intersection of SW Carolina Street and SW Macadam Avenue, Portland, Multnomah County, Oregon (Figure 1, Attachment 1). The Pacific Pride Site (ESCI #4772, Tax Lot 200) is currently a commercial petroleum fueling station. The adjacent Macadam Floor Design Site (ESCI #4723, Tax Lot 100) contains a parking lot and commercial flooring and furniture dealer. There are four underground storage tanks (USTs) on the subject Site; a 10,000-gallon capacity premium gasoline tank, a 20,000-gallon unleaded

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gasoline tank, a 20,000-gallon capacity regular gasoline tank, and a 20,000-gallon capacity diesel fuel tank (Figure 2, Attachment 1). The nearest surface water body is the Willamette River, located approximately 500 feet east of the site. Previous environmental investigations at the Site indicate subsurface soils consist of various fills and alluvial silts that overlie sandy gravel to approximately 19 feet below ground surface (bgs). Beneath the sandy gravel lies basalt bedrock. (FAI 2009a)

Preliminary CSMs Area of Interest

This section defines the "area of interest" for the purposes of completing the preliminary human health and ecological CSMs. As defined in OAR 340-122-115(34), the locality of facility (LOF) is "any point where a human or ecological receptor contacts or is reasonably likely to come into contact with facility-related hazardous substances. The LOF takes into account the likelihood of the contamination migrating over time so is typically larger than the facility." The LOF for the Site has not yet been defined. The preliminary human health and ecological CSMs are based on an area of interest that is shown as the Site vicinity in Figure 1 (Attachment 1).

A groundwater contaminant plume on both the Macadam Floor Design and Pacific Pride properties has been well characterized based on the amount of data collected and the relatively stable to decreasing concentrations in groundwater at the Site (FAI 2009a). To evaluate whether offsite migration has occurred, FAI (2009b) has proposed the installation of three offsite groundwater monitoring wells adjacent to the Willamette River shoreline east of the Site, to complete groundwater characterization between monitoring well MW-9 and the Willamette River. The area of interest shown in Figure 1 (Attachment 1) includes the Willamette River. If data collected from the three offsite groundwater monitoring wells does not indicate the potential for offsite migration, the area of interest for human health and ecological CSMs will be modified to incorporate the additional site characterization information.

Summary of Soil and Groundwater Data

This section presents a brief soil and groundwater data summary that is based on previous reports submitted by FAI (2006 and 2009a). FAI's (2006) review of previous environmental investigations at the Site indicated impacted soils were present since at least 1995 when hydrocarbon impacted soils were discovered during upgrades to the UST nest on Site. Though the tanks were shown not to have leaked themselves, and were since equipped with leak detection equipment, impacted soils led to further environmental investigations (FAI 2006). Diesel contaminated soil was found in the south central portion of the trench, and 33 tons of soil was transported off the site for treatment (FAI 2006).

Groundwater monitoring wells MW-1 through MW-3 were installed at the Site in May of 1996. Petroleum hydrocarbons in the form of diesel were detected in two soil samples at concentrations of 410 milligrams per kilogram (mg/kg) and 273 mg/kg from MW-1 and MW-3, respectively. In August of 1997, three additional groundwater monitoring wells were installed on the property (MW-4 through MW-6). Low concentrations of diesel were found in soil samples collected from MW-5 during its installation. In December of 2001, additional soil borings were performed. Two of the

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twelve - B11 with 107 mg/kg and B-9 with 473 mg/kg - had diesel range hydrocarbons in soil. B11 was near the current MW-1, and B-9 was downgradient of MW-4. (FAI 2006)

Monitoring wells MW-1 through MW-6 at the Site were installed in 1996, monitoring wells MW-7 and MW-8 were installed in 2005, and monitoring MW-9 was installed in the fall of 2008. All wells have been sampled regularly since the time of installation. Historic groundwater data indicate relatively stable to decreasing concentrations of gasoline and diesel range hydrocarbons, volatile organic compounds (VOCs), and polynuclear aromatic hydrocarbons (PAHs) observed in monitoring wells MW-1 through MW-8. (FAI 2009a)

Human Health Conceptual Site Model

The CSM graphically depicts sources of constituents of potential concern (COPCs) based on current information, COPC-affected media, mechanisms of COPC transfer between media, and the processes through which human receptors may be exposed to chemicals. Figure 1 presents the preliminary human health CSM for onsite and offsite human exposures, which is based on the current understanding of current and potential future activities within the area of interest. The following presents a discussion of the potentially exposed human receptors and the exposure pathways that are displayed in the preliminary human health CSM.

Identification of Potentially Exposed Human Health Populations

Potentially exposed populations were identified based on consideration of information presented in previous reports completed by FAI (FAI 2006 and 2008) and in accordance with DEQ human health guidance (DEQ 2000, 2003) regarding CSMs. The potential human receptors identified below represent those receptors that are anticipated to be present within the area of interest under current and reasonably foreseeable future conditions.

- Onsite commercial worker
- Onsite and offsite construction worker
- Offsite resident
- Recreational user at Willamette River
- Fisher at Willamette River

As previously noted, the preliminary human health CSM will be modified in the future if groundwater sampling does not indicate the potential for offsite migration of contaminants and a complete transport pathway to the Willamette River.

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Identification of Exposure Pathways

Exposure pathways are defined as the physical ways in which chemicals may enter the human body (e.g., ingestion, inhalation, dermal absorption). A complete exposure pathway consists of the following four elements:

- A source of chemical release
- A retention or transport medium (or media in cases involving media transfer)
- An exposure point (a point of potential human contact with the contaminated medium)
- An exposure route (e.g., ingestion, dermal contact) at the exposure point.

If any of the above elements is missing, the pathway is considered incomplete and exposure does not occur.

The exposure pathways identified in the preliminary CSM include potential exposure to chemicals through: 1) dermal contact with and incidental ingestion of subsurface soils during excavation activities; 2) inhalation of volatile emissions from soil and groundwater; 3) dermal contact with groundwater during specific subsurface activities; 4) direct contact with surface water; and 5) fish ingestion. The last two exposure pathways are based on an assumption that there is a complete transport pathway for Site-related petroleum constituents to the Willamette River, which has not been confirmed. Domestic use of groundwater is not included as a complete exposure pathway based on the rationale outlined by FAI (2008), which was based on their review of well logs, water rights, and nearby ESCI sites.

The following summarizes the potential human health exposure scenarios based on current and reasonably foreseeable future conditions within the area of interest. Each exposure scenario discusses the rationale for including or eliminating pathways from quantitative evaluation in the HHRA screening.

Onsite Commercial Worker

Asphalt parking areas surround the majority of the subject Site and adjacent Macadam Floor Design property with the exception of an open area with some grass to the east of the Macadam Floor Design building. Petroleum hydrocarbons are present in soil at subsurface depths (i.e., below 3 feet below ground surface [bgs]). Exposure through direct contact with surface soils (i.e., soil from 0 to 3 feet bgs) by commercial workers is assumed to be an incomplete pathway and will not be evaluated in the HHRA screening.

Inhalation of volatile emissions from soil and groundwater is considered a potentially complete exposure pathway. In the atmosphere, these volatile emissions are anticipated to rapidly disperse, so the relative exposure would be insignificant. When released into a closed space, such as a building, these volatile emissions may accumulate, resulting in a potentially complete exposure pathway. Inhalation of volatile emissions during work indoors at the Macadam Floor Design property

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will be evaluated in the HHRA screening. However, Pacific Pride is currently a commercial petroleum fueling station. Therefore, inhalation of volatile emissions during work indoors at Pacific Pride is governed by Occupational Safety & Health Administration requirements and will not be evaluated in the HHRA screening. The DEQ communicated in a letter to Sunset, dated 13 September 2006, that the groundwater volatilization to outdoor air exposure route scenario is not applicable to the Site.

The onsite commercial worker does not have direct contact with subsurface soil or groundwater, so any potential exposure pathways requiring direct contact with subsurface soil or groundwater (i.e., dermal contact or ingestion) are considered incomplete, and such pathways will not be evaluated in the HHRA screening.

Onsite and Offsite Construction Workers

The onsite construction worker would be at the Site for a much shorter duration than the onsite commercial worker. However, while at the Site, the construction worker could have greater contact with soil or groundwater during excavation, trenching, or other subsurface activities.

While performing subsurface activities at the Site, onsite construction workers may have direct contact with subsurface soil to a limited depth. Therefore, dermal contact with and incidental ingestion of subsurface soil are considered potentially complete exposure pathways for onsite construction workers, and this pathway will be evaluated in the HHRA screening.

Because airborne particulates can be generated from subsurface soil during subsurface activities, inhalation of airborne particulates is considered a complete and significant pathway for onsite construction workers. Therefore, this pathway will be evaluated in the HHRA screening.

Onsite construction workers conducting subsurface activities would not spend time indoors. Trenching activities are generally conducted within confined spaces with little mixing of the air in the trench with ambient air. Inhalation of volatile emissions from soil and groundwater to the air contained within the trench is a complete and significant pathway of construction workers and will be evaluated in the HHRA screening.

Historic monitoring data indicate that ground water is generally first encountered at depths ranging between 13 feet bgs and 23 feet bgs. The majority of the groundwater elevation measurements indicated depths greater than 15 feet bgs, which is the reasonably likely maximum depth for an excavation, in the majority of cases, as presented in DEQ guidance (2003). It follows that the likelihood of exposure to groundwater during construction activities is considered minimal based on the groundwater elevation measurements. In order to provide a conservative approach to the HHRA screening, dermal contact with groundwater is considered a potentially complete exposure pathway for onsite construction workers and will be evaluated in the HHRA screening. If future groundwater monitoring indicates offsite migration of petroleum constituents, then direct contact with groundwater by an offsite construction worker will be included in the HHRA screening.

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Onsite excavation workers are not included in the CSM because evaluation of the construction worker exposure scenario is considered protective of excavation workers, which are assumed to have a lower duration of exposure relative to the construction worker.

Offsite Residents

River Pointe Condominiums is located to the east of the Macadam Floor Design property, which is the inferred groundwater gradient direction based on historic monitoring (2009a). Groundwater data have not been collected at the River Pointe Condominium property. However, for the purposes of the preliminary human health CSM and screening, inhalation of volatile emissions during time indoors is considered a theoretically potentially complete pathway for residents. The DEQ communicated in a letter to Sunset, dated 13 September 2006, that the groundwater volatilization to outdoor air exposure route scenario is not applicable to the Site.

Recreational User of Willamette River

As previously noted, the transport pathway of Site-related petroleum constituents to the Willamette River has not confirmed though is assumed to be complete for the purposes of this preliminary human health CSM and screening. There is public access to the portion of the Willamette River bank located to the east of the subject Site. Potential exposures to surface water and sediment at this portion of the Willamette River are anticipated to be very limited in duration. Direct contact with surface water and sediment during recreational activities is considered a complete though potentially insignificant exposure pathway.

Fisher at the Willamette River

As previously noted, the transport pathway of Site-related petroleum constituents to the Willamette River has not confirmed though is assumed to be complete for the purposes of this preliminary human health CSM. The constituents of interest (COIs) for the subject Site are petroleum related constituents, of which the majority have not been found to bioaccumulate in organisms. Of the bioaccumulative chemicals listed in DEQ (2007) guidance, the PAH compounds flouranthene and pyrene are Site-related COIs that have been detected in groundwater samples. Lead is also listed by DEQ (2007) and has been sampled for, though has not been detected during groundwater monitoring. Given the limited potential for ingestion of Site-related contaminants in organisms, consumption of fish collected from the Willamette River adjacent to the Site is considered a complete though potentially insignificant exposure pathway.

Ecological Conceptual Site Model

The CSM for ecological exposures provides for a framework for the Ecological Risk Assessment (ERA) by identifying and organizing potential exposure pathways (sources of contamination, release mechanisms, transport media, exposure routes, and receptors) and identifying which of those pathways are complete and incomplete. Based on the current understanding of activities in the vicinity of the Site and review of the available analytical data, the ecological CSM is presented on Figure 2. The ecological CSM was developed focusing on site-specific exposure pathways,

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exposure routes, and receptors. Current and reasonably likely future land use conditions were considered in the development of the CSM.

The following presents a discussion of the potentially exposed ecological receptors and the exposure pathways that will be evaluated in the preliminary ERA screening.

Identification of Potentially Exposed Populations

Potentially exposed ecological receptors were identified based on a review of the historical site data and our understanding of the habitats present within the area of interest. The potential ecological receptors identified below represent those receptors that are anticipated to be present and exposed to groundwater containing COPCs under current and reasonably foreseeable future conditions within the area of interest.

- Aquatic Ecological Receptors (fish and benthic macroinvertebrates)
- Aquatic- Dependent Terrestrial Receptors (birds and mammals)

Identification of Exposure Pathways

Exposure pathways are defined as the physical ways in which chemicals may enter an organism (e.g., ingestion, inhalation, dermal absorption). A complete exposure pathway consists of the following four elements:

- A source of chemical release
- A retention or transport medium (or media in cases involving media transfer)
- An exposure point (a point of potential ecological receptor contact with the contaminated medium)
- An exposure route (e.g., ingestion, dermal contact) at the exposure point.

If any of the above elements is missing, the pathway is considered incomplete and exposure does not occur.

The identified potentially complete exposure pathways are:

- Direct contact and ingestion of Site constituents in surface water to aquatic and aquatic-dependent terrestrial receptors.
- Ingestion of organisms that may have taken up Site constituents from surface water by aquatic and aquatic-dependent terrestrial receptors.
- Direct contact and ingestion of Site constituents in surface sediments to aquatic and aquatic-dependent terrestrial receptors.

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- Ingestion of organisms that may have taken up Site constituents from surface sediments by aquatic and aquatic-dependent terrestrial receptors.

The identified incomplete exposure pathways are:

- Direct contact, ingestion of subsurface soils, and ingestion of organisms that may have taken up Site constituents from subsurface soils by any ecological receptors present on-site.

Preliminary RA Screening

As outlined above, the risk pathways to be further evaluated in the preliminary RA screening include:

Human Health: 1) direct subsurface soil exposure by construction worker during specific subsurface activities; 2) vapor intrusion into buildings; and 3) direct contact with groundwater by a construction worker during specific subsurface activities.

Ecological: 1) direct contact and ingestion of surface water by aquatic and aquatic-dependent terrestrial receptors by screening existing groundwater data against freshwater screening level values (SLVs) (DEQ 2001) for aquatic and aquatic-dependent ecological receptors. The additional potentially complete ecological exposure pathways (ingestion of organisms by ecological receptors and exposures to sediment) can not be evaluated using existing site data at this time. We do not recommend collection of sediment or tissue data at this time. The proposed collection and risk-based screening of near shoreline groundwater data will help inform whether the groundwater to surface water pathway is of concern from an ecological perspective.

The following sections provide the preliminary RA screening, which is based on the available soil and groundwater data provided by FAI and the risk pathways described above. Screening tables are based on data tables compiled by FAI and are provided as Attachment 2. Also discussed in the following sections are further data needs to evaluate each of the risk pathways.

Preliminary HHRA Screening and Further Data Needs

Direct Soil Exposure by Construction Worker: The preliminary HHRA screening evaluated all soil data (Table 1, Attachment 2) by comparing results to the DEQ risk-based concentration (RBC) for soil exposure by a construction worker (RBC_{SS}) (DEQ 2008). Total petroleum hydrocarbons were not detected at concentrations exceeding the respective RBC_{SS}. The evaluation of historical soil data indicates that additional soil data are not needed to complete the HHRA screening.

Vapor Intrusion Pathway for Commercial Worker and Offsite Resident: All groundwater data (Tables 2 through 4, Attachment 2) were compared to the DEQ (2008) RBC for vapor intrusion

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into buildings (RBC_{WI}) for the residential and commercial exposure scenarios in order to evaluate the vapor intrusion pathway. This approach is conservative given that it does not account for the lateral proximity of the monitoring well to the occupied building. Furthermore, the DEQ RBC_{WI} does not account for biodegradation of petroleum related constituents. The potential for aerobic biodegradation of petroleum hydrocarbons in the vadose zone has been demonstrated to be significant and should be considered in the assessment of soil vapor migration to indoor air (Johnson et al. 1999 and Abreu and Johnson 2006). The potential for aerobic biodegradation is related in part to source depth. Abreu and Johnson (2006) presented an example vapor intrusion scenario of a 2,000 micrograms per liter (µg/l) source of benzene located at approximately 24 feet bgs, and with oxygen widely distributed beneath the building foundation. For this example scenario, the attenuation factor for the biodegradation cases ranged from about 3 to 18 orders of magnitude less than that for the no-biodegradation case (Abreu and Johnson 2006). This example scenario did not incorporate a lateral separation from the source, which would likely also decrease the attenuation factor. Considering the lateral and vertical distance of the groundwater plume to the River Pointe Condominiums, there is a potential for aerobic biodegradation of petroleum hydrocarbons to occur.

The only constituents for which the maximum detected concentration exceeded the respective residential RBC_{Wi} were benzene, trichloroethene (TCE), and tetrachloroethene (PCE).

The maximum detected benzene concentrations in groundwater samples collected from monitoring wells MW-2R (2,810 µg/l) and MW-3 (2,550 µg/l) exceeded the benzene residential RBC_{WI} (160 µg/l). The maximum detected benzene concentration in groundwater samples collected from monitoring well MW-2R also exceeded the benzene commercial RBC_{WI} (2,700 µg/l). The most recent data collected at MW-2R (1,090 µg/l in November 2008) did not exceed the commercial RBC_{WI}. Monitoring wells MW-2R and MW-3 are located on the Pacific Pride property, which is not assessed for the vapor intrusion pathway. Benzene concentrations in groundwater samples collected at the Macadam Floor Design property do not exceed the RBC_{WI}. As previously noted, considering the lateral and vertical distance of the groundwater plume to the River Pointe Condominiums, there is a potential for aerobic biodegradation of petroleum hydrocarbons to occur.

The maximum detected PCE and TCE concentrations in groundwater samples collected from monitoring wells MW-4 and MW-5 exceed the respective RBC_{WI}. FAI (2009a) presented the rationale regarding a potential source of PCE and TCE in monitoring wells MW-4 and MW-5 that may exist hydraulically up-gradient and off of both the Macadam Floor Design and Pacific Pride properties (FAI 2009a). Considering that evidence suggests that the source of PCE and TCE in groundwater may not be Site-related, it is not recommended to collect additional data, such as soil vapor, to evaluate the potential risks for the vapor intrusion pathway associated with these constituents.

The comparison of groundwater data to the DEQ's residential RBC_{WI} indicates that the vapor intrusion pathway at the Macadam Floor Design building or River Pointe Condominiums may be incomplete or insignificant and that soil vapor data are not needed to evaluate this pathway.

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Direct Exposure to Groundwater by a Construction Worker: All groundwater data (Tables 2 through 4, Attachment 2) were compared to the DEQ RBC for groundwater in an excavation (RBC_{WE}) to evaluate the direct contact by an excavation worker pathway. As previously mentioned, groundwater is generally first encountered at depths greater than 15 feet bgs, so it follows that there is minimal likelihood of direct contact by an excavation worker. Petroleum hydrocarbons reported as gasoline (TPH-Gx), diesel (TPH-Dx), and oil (TPH-O) were detected in groundwater at concentrations exceeding the respective RBC_{WE}. Benzene was the only individual constituent for which the maximum detected concentration exceeded the respective residential RBC_{WE}. The maximum detected benzene concentrations in groundwater samples collected from monitoring wells MW-2R (2,810 µg/l) and MW-3 (2,550 µg/l) exceeded the benzene RBC_{WE} (1,700 µg/l). Further data are not needed to conduct a risk screening of direct exposure to groundwater by a construction worker.

Preliminary ERA Screening and Further Data Needs

The primary exposure pathway of concern from an ecological perspective at this area of interest is the potential migration of groundwater to surface waters and sediments of the Willamette River. At the present time, only groundwater data are available from the area of interest and this data were screened against DEQ Freshwater SLVs for aquatic and aquatic-dependent (using the lower of the bird and mammal freshwater SLV) ecological receptors.

Exposure of Aquatic Ecological Receptors to Surface Water: All groundwater data (Tables 2 through 4, Attachment 2) were compared to the DEQ freshwater SLV for aquatic ecological receptors to evaluate the potential for direct contact and ingestion of surface water by aquatic ecological receptors. The following constituents detected in groundwater were found to be exceeding their corresponding freshwater aquatic SLV; benzene, toluene, ethylbenzene, xylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, fluoranthene, fluorene, and phenanthrene.

Exposure of Aquatic-Dependent Ecological Receptors to Surface Water: All groundwater data (Tables 2 through 4, Attachment 2) were compared to the DEQ SLV for aquatic dependent ecological receptors to evaluate the potential for direct contact and ingestion of surface water by aquatic-dependent terrestrial ecological receptors. No exceedences of any SLV were found. Further data are not needed for additional characterization of this exposure pathway.

The results of the preliminary ERA screening indicate that groundwater concentrations of site-related constituents exceed freshwater SLVs for aquatic ecological receptors. Exceedence of surface water SLVs by site groundwater indicates the potential for groundwater to be migrating to surface water at concentrations of concern from an ecological perspective. To further address this potential migration pathway, additional groundwater data collected from locations near the shoreline of the Willamette River would help refine the characterization of the groundwater to surface water pathway.

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SUMMARY OF FINDINGS

Preliminary human health and ecological CSMs were completed to assist with the identification of data needs for risk screening. Historical soil and groundwater were screened based on the exposure pathways identified in the human health and ecological CSMs. Based on the results of the screening, the only additional data need for the risk screening is to collect additional groundwater data near the shoreline of the Willamette River to refine the characterization of the groundwater to surface water pathway. The addition of 3 off-site groundwater monitoring wells adjacent to the Willamette River shoreline east of the site as proposed by FAI (2009b) would address this data need.

If you have any questions, please contact us at (503) 295-4911.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Heather Brunelle
Project Manager

Taku Fuji, PhD.
Senior Toxicologist

Attachments

cc: Mr. Hans Feige, Feige & Associates, Inc.

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References

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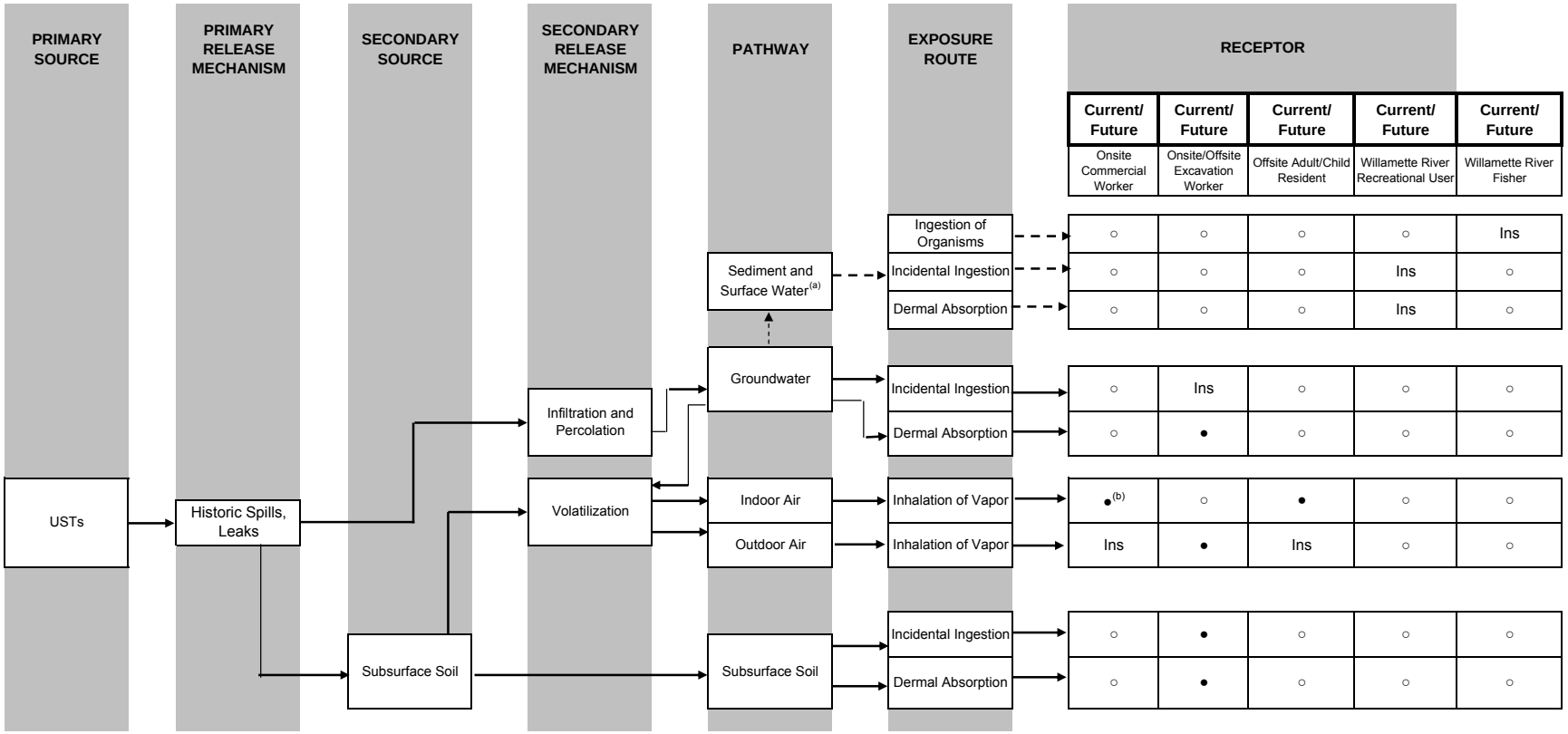
Figures



•	Potentially complete and significant exposure pathway.
Ins	Potentially complete though insignificant exposure pathway.
○	Incomplete exposure pathway.

Footnotes

(a) Dashed lines indicate that the transport pathway from groundwater to sediment and surface water has not been determined.

(b) This pathway will not be evaluated at Pacific Pride, which is currently a commercial petroleum fueling station and is governed by Occupational Safety & Health Administration requirements.

MACADAM FLOOR DESIGN, PACIFIC PRIDE FUELING STATION
PORTLAND, OREGON

PRELIMINARY HUMAN HEALTH CONCEPTUAL SITE MODEL

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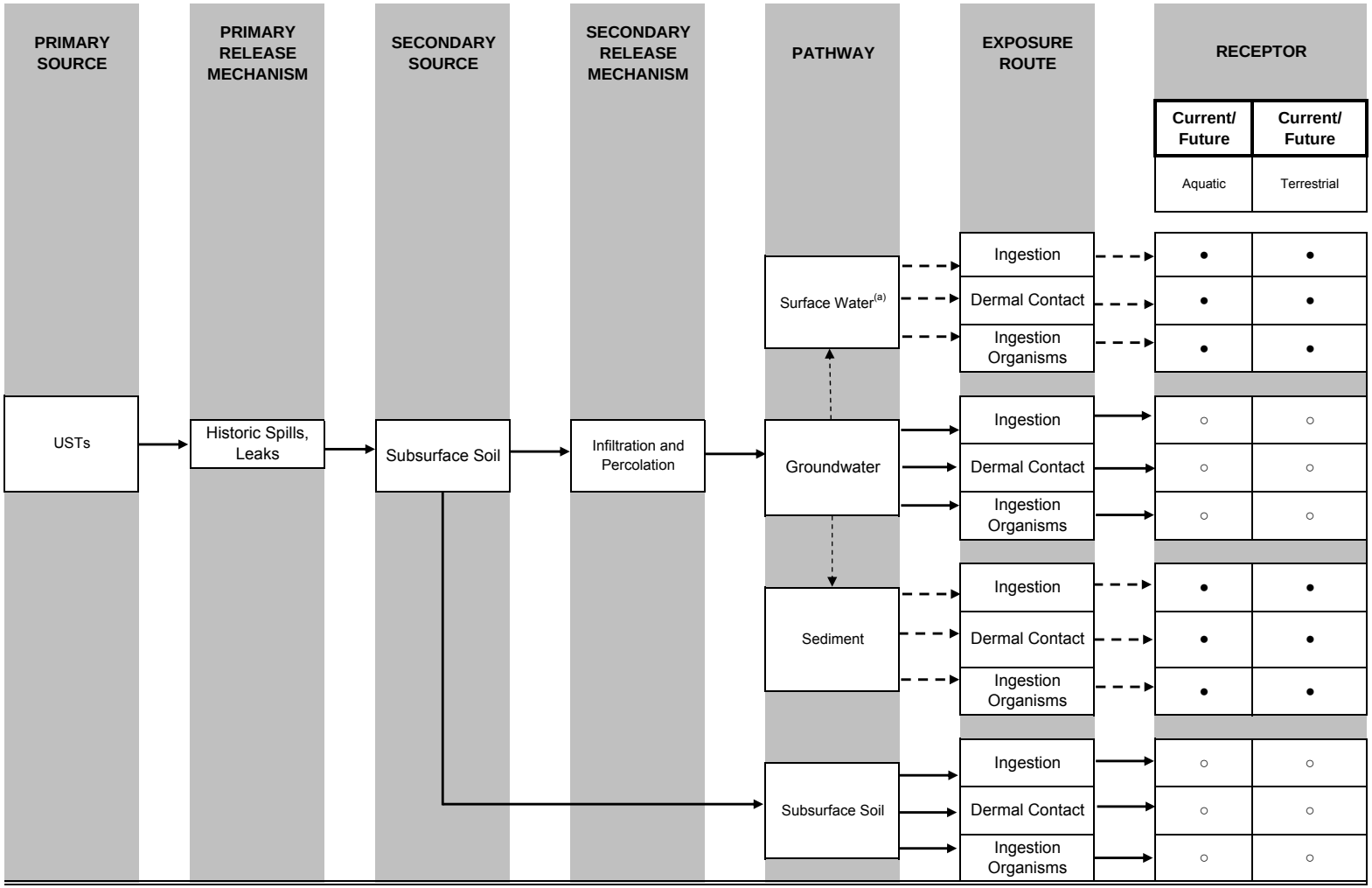
FIGURE 1



- • Potentially complete exposure pathway.
- ○ Incomplete exposure pathway.

Footnote
(a) Dashed lines indicate that the transport pathway has not been determined.

MACADAM FLOOR DESIGN,
PACIFIC PRIDE FUELING STATION
PORTLAND, OREGON

PRELIMINARY ECOLOGICAL CONCEPTUAL SITE MODEL

K/J 0992025.00
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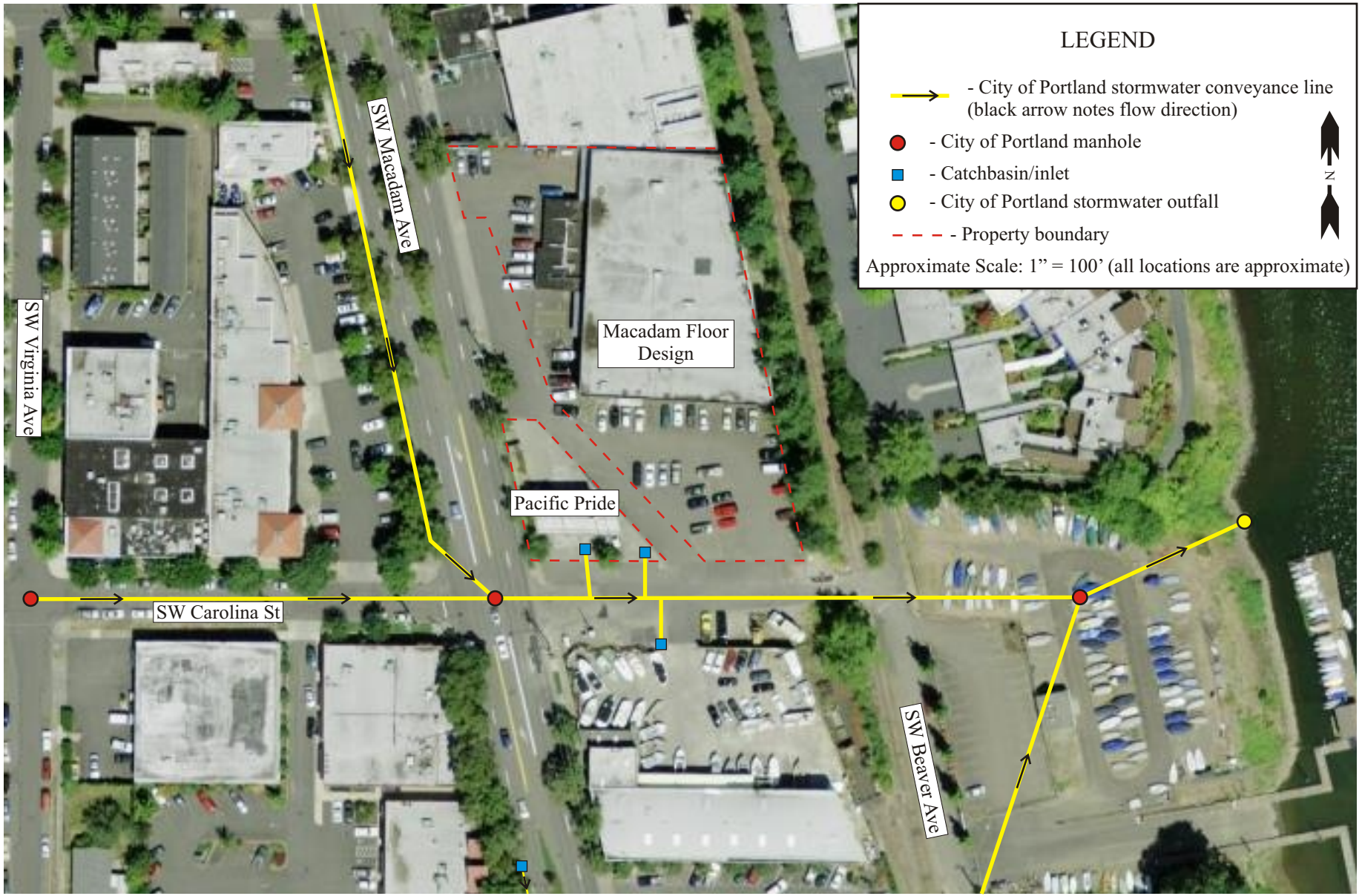
FIGURE 2

Attachment 1

Feige & Associates, Inc. Figures



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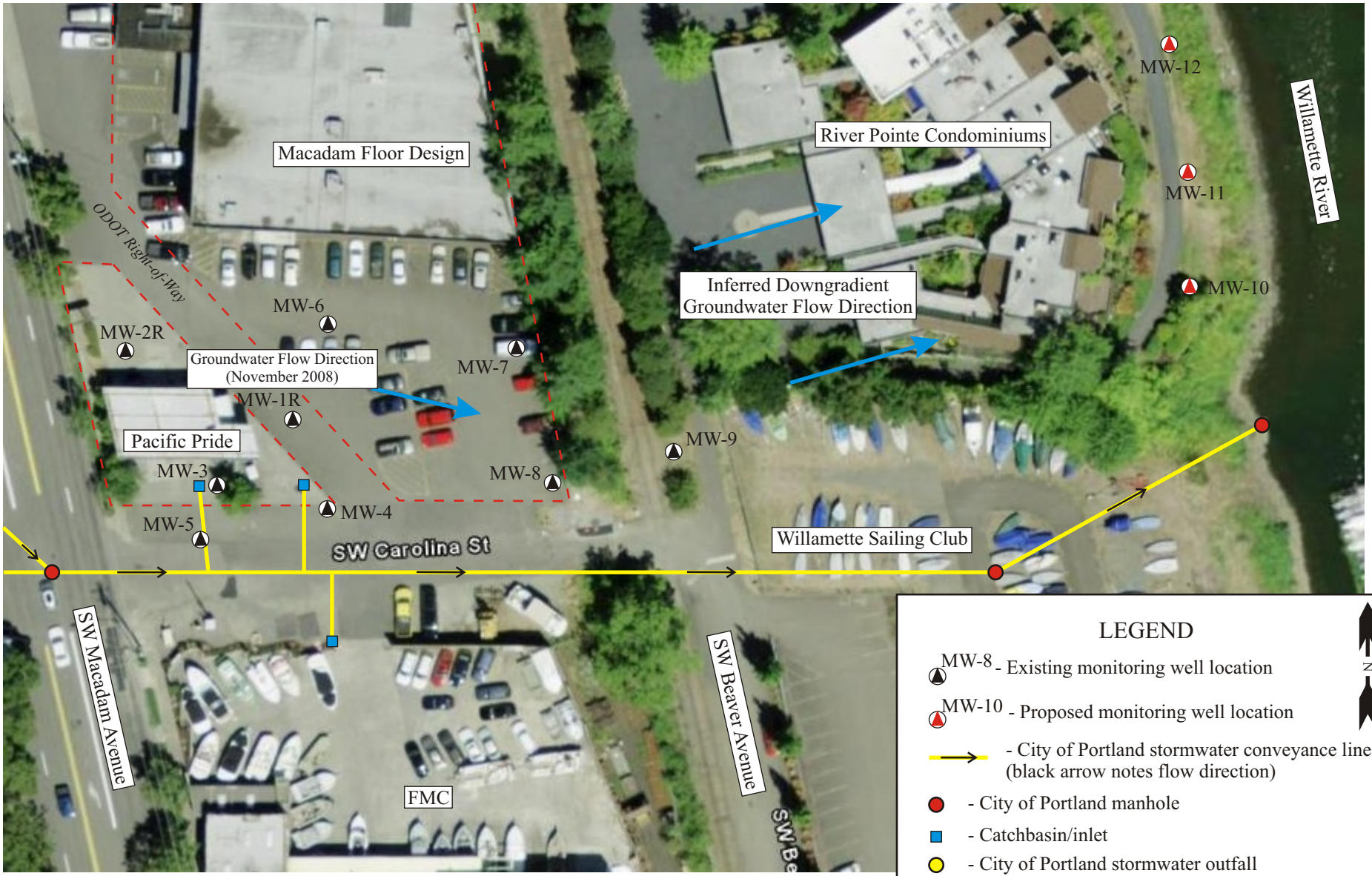
Macadam Floor Design/Pacific Pride
6140 and 6230 SW Macadam Ave.
Portland, Oregon

Site Vicinity Map

Figure 1



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Macadam Floor Design/Pacific Pride
6140 and 6230 SW Macadam Ave.
Portland, Oregon

Proposed Monitoring Well Locations

Figure 2

Attachment 2

Feige & Associates, Inc. Tables modified by Kennedy Jenks Consultants

TABLE 1
Soil Analytical Results - Diesel and Heavy Oil Range Hydrocarbons
Sunset Macadam
6140-6230 SW Macadam Avenue, Portland Oregon

Sample ID	Sample Date	Sample Depth (feet)	NWTPH-HCID (Gas, Diesel, Oil)	NWTPH-Gx Gasoline Range (mg/kg)	NWTPH-Dx Diesel Range (mg/kg)	NWTPH-Dx Heavy Oil Range (mg/kg)
BH-1	9/2/1994	11	Gas, Diesel	-	-	-
BH-1	9/2/1994	13	-	**2200**	-	-
BH-2	9/2/1994	2	Gas, Diesel	-	-	-
BH-3	9/2/1994	5	-	**190**	-	-
BH-3	9/2/1994	10	-	ND	-	-
BH-4	9/2/1994	6	-	ND	-	-
BH-4	9/2/1994	12	-	**12**	-	-
South Tank East	9/23/1995	3.5	Diesel	-	**1690**	-
South Tank East	9/23/1995	12	ND	-	-	-
South Tank SE	9/23/1995	10	Diesel	-	**101**	-
East Farlot Line	9/23/1995	15	ND	-	-	-
Spoil Pile	9/23/1995	NA	Diesel	-	**445**	-
MW-1	5/28/1996	7.5	ND	-	-	-
MW-1	5/28/1996	13	ND	-	-	-
MW-1	5/28/1996	17.5	Diesel	-	**410**	-
MW-1	5/28/1996	23.5	ND	-	-	-
MW-1	5/28/1996	27.5	ND	-	-	-
MW-2	5/28/1996	7.5	ND	-	-	-
MW-2	5/28/1996	12.5	ND	-	-	-
MW-2	5/28/1996	17.5	ND	-	-	-
MW-3	5/29/1996	7.5	ND	-	-	-
MW-3	5/29/1996	13	ND	-	-	-
MW-3	5/29/1996	17.5	Diesel	-	**273**	-
MW-3	5/29/1996	22	ND	-	-	-
MW-4	8/25/1997	6	ND	-	-	-
MW-4	8/25/1997	11	ND	-	-	-
MW-5	8/25/1997	6	ND	-	-	-
MW-5	8/25/1997	11	ND	-	-	-
MW-5	8/25/1997	15.5	Diesel	-	**318**	-
MW-6	8/25/1997	6	ND	-	-	-
MW-6	8/25/1997	10.5	ND	-	-	-
MW-6	8/25/1997	14	ND	-	-	-
B-7	12/18/2001	15	-	-	<25	<100
B-7	12/18/2001	20	-	-	<25	<100
B-8	12/18/2001	15	-	-	<25	<100
B-8	12/18/2001	25	-	-	<25	<100
B-9	12/18/2001	15	-	-	<25	<100
B-9	12/18/2001	20	-	-	**473**	<100
B-9	12/18/2001	25	-	-	<25	<100
B-10	12/18/2001	10	-	-	<25	<100
B-10	12/18/2001	15	-	-	<25	<100

TABLE 1
Soil Analytical Results - Diesel and Heavy Oil Range Hydrocarbons
Sunset Macadam
6140-6230 SW Macadam Avenue, Portland Oregon

Sample ID	Sample Date	Sample Depth (feet)	NWTPH-HCID (Gas, Diesel, Oil)	NWTPH-Gx Gasoline Range (mg/kg)	NWTPH-Dx Diesel Range (mg/kg)	NWTPH-Dx Heavy Oil Range (mg/kg)
B-10	12/18/2001	20	-	-	<25	<100
B-11	12/18/2001	15	-	-	<25	<100
B-11	12/18/2001	20	-	-	<25	<100
SBM-1-9	1/15/2006	9	-	-	**988**	<33.8
SBM-1-14	1/15/2006	14	-	-	**185**	<34.4
SBM-1-17	1/15/2006	17	-	-	**506**	<34.8
SBM-2-15	1/15/2006	15	-	-	<17.7	<35.3
SBM-2-17	1/15/2006	17	-	-	**73.9**	<26.5
SBM-3-20	1/15/2006	20	-	-	<13.5	<27.0
SBM-4-18	1/15/2006	18	-	-	<13.5	<26.9
SBM-5-17	1/15/2006	17	-	-	<17.9	<35.9
SBM-5-19	1/15/2006	19	-	-	**101**	<27.0
SBM-6-16	1/15/2006	16	-	-	<17.2	<34.4
SBM-8-14	1/15/2006	14	-	-	<16.9	<33.8
SBM-10-13	1/15/2006	13	-	-	<14.1	**120**
SBM-10-15	1/22/2006	15	-	-	<14.5	**124**
SBM-12-15	1/22/2006	15	-	-	<14.3	<28.6
SBM-15-14	1/22/2006	14	-	-	<14.1	<28.1
SBM-16-14	1/22/2006	14	-	-	<14.6	<29.2
MW-1R	4/23/2008	12	-	<4.22	<31.8	<63.5
MW-1R	4/23/2008	18	-	**75.2**	**270**	<62.5
MW-2R	4/23/2008	8	-	<5.36	<35.4	<70.8
MW-2R	4/23/2008	10	-	<5.19	<32.9	<65.8
RBC_{ss} - Construction Worker Receptors				13,000	23,000	40,000

Notes:
Samples SBM-14-3, SBM-14-6 and SBM-14-8 were mis-labeled while on site with the incorrect depth designation.
These samples are referred to in this report with their correct depth designations; SBM-14-7, SMB-14-10 and SBM-14-12

mg/kg	Milligram per kilogram
<33.8	Analyte not detected at the method reporting limit indicated
NWTPH-Dx	Total Petroleum Hydrocarbons as Diesel Range Hydrocarbons by Method NWTPH-Dx
BOLD	Analyte detected at or above method detection limits
SHADING	Indicates exceedance of RBC_{SS}.
RBC_{SS}	Risk Based Concentration: Soil Ingestion Dermal Contact and Inhalation
-	No Risk Based Concentration Listed

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)
MW-1	09/18/96	NA	NA	NA	NA
	06/27/97	NA	NA	NA	NA
	09/26/97	NA	NA	NA	NA
	01/15/98	NA	NA	NA	NA
	05/18/98	NA	NA	NA	NA
	09/29/98	NA	NA	NA	NA
	01/06/99	NA	NA	NA	NA
	01/07/99	NA	NA	NA	NA
	03/30/99	NA	NA	NA	NA
	06/30/99	NA	NA	NA	NA
	09/17/99	NA	NA	NA	NA
	04/13/00	NA	NA	NA	NA
	08/01/00	NA	NA	NA	NA
	09/15/00	NA	NA	NA	NA
	12/15/00	NA	NA	NA	NA
	03/07/01	NA	NA	NA	NA
	09/16/01	ND	NA	NA	NA
	12/27/01	ND	NA	NA	NA
	03/15/02	NA	NA	NA	NA
	06/21/02	NA	NA	NA	NA
	09/17/02	NA	NA	NA	NA
	12/18/02	NA	NA	NA	NA
	03/24/03	NA	NA	NA	NA
	06/18/03	NA	NA	NA	NA
	12/29/03	NA	**508**	**1,400**	<0.50
	12/22/04	NA	NA	NA	NA
	03/25/05	NA	NA	NA	NA
	07/14/05	NA	NA	NA	NA
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	**96.4**	**2,460**	<495
	09/10/06	NA	**195**	**3,650**	<490
	12/17/06	NA	**95.2**	**2,700**	<500
	04/15/07	NA	<80	**1,840**	<476
	11/04/07	NA	**160**	**1,540**	**955**
MW-1R	08/03/08	NA	**206**	**2,910**	**569**
	11/16/08	NA	**273**	**2,780**	<515

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)
MW-2	09/18/96	NA	NA	NA	NA
	06/27/97	NA	NA	NA	NA
	09/26/97	NA	NA	NA	NA
	01/15/98	NA	NA	NA	NA
	05/18/98	NA	NA	NA	NA
	09/29/98	NA	NA	NA	NA
	01/06/99	NA	NA	NA	NA
	01/07/99	NA	NA	NA	NA
	03/30/99	NA	NA	NA	NA
	06/30/99	NA	NA	NA	NA
	09/17/99	NA	NA	NA	NA
	04/13/00	NA	NA	NA	NA
	08/01/00	NA	NA	NA	NA
	09/15/00	NA	NA	NA	NA
	12/15/00	NA	NA	NA	NA
	03/07/01	NA	NA	NA	NA
	09/16/01	ND	NA	NA	NA
	12/27/01	Gasoline	NA	NA	NA
	03/15/02	NA	NA	NA	NA
	06/21/02	NA	NA	NA	NA
	09/17/02	NA	NA	NA	NA
	12/18/02	NA	NA	NA	NA
	03/24/03	NA	NA	NA	NA
	06/18/03	NA	NA	NA	NA
	12/29/03	NA	**6,600**	<0.25	<0.50
	12/22/04	NA	NA	NA	NA
	03/25/05	NA	NA	NA	NA
	07/14/05	NA	NA	NA	NA
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	**7,780**	**1,560**	<495
	09/10/06	NA	**3,550**	**741**	<500
	12/17/06	NA	**3,540**	**204**	<500
	04/15/07	NA	**3,200**	**5,480**	**946**
	11/04/07	NA	**3,890**	**1,150**	<490
MW-2R	08/03/08	NA	<80.0	<272	<543
	11/16/08	NA	**200**	<275	<549

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)
MW-3	09/18/96	NA	NA	NA	NA
	06/27/97	NA	NA	NA	NA
	09/26/97	NA	NA	NA	NA
	01/15/98	NA	NA	NA	NA
	05/18/98	NA	NA	NA	NA
	09/29/98	NA	NA	NA	NA
	01/06/99	NA	NA	NA	NA
	01/07/99	NA	NA	NA	NA
	03/30/99	NA	NA	NA	NA
	06/30/99	NA	NA	NA	NA
	09/17/99	NA	NA	NA	NA
	04/13/00	NA	NA	NA	NA
	08/01/00	NA	NA	NA	NA
	09/15/00	NA	NA	NA	NA
	12/15/00	NA	NA	NA	NA
	03/07/01	NA	NA	NA	NA
	09/16/01	ND	NA	NA	NA
	12/27/01	NA	NA	NA	NA
	03/15/02	NA	NA	NA	NA
	06/21/02	NA	NA	NA	NA
	09/17/02	NA	NA	NA	NA
	12/18/02	NA	NA	NA	NA
	03/24/03	NA	NA	NA	NA
	06/18/03	NA	NA	NA	NA
	12/29/03	NA	**15,400**	**936,000**	<0.50
	12/22/04	NA	NA	NA	NA
	03/25/05	NA	NA	NA	NA
	07/14/05	NA	NA	NA	NA
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	777	**35,500**	<5000
	09/10/06	NA	**1,110**	**258,000**	**10,300**
	12/17/06	NA	**901**	**13,500**	**1,120**
	04/15/07	NA	**857**	**28,800**	**2,590**
	11/04/07	NA	**690**	**24,300**	**3,740**
	08/03/08	NA	**1,080**	**412,000**	**38,000**
	11/16/08	NA	**1,010**	**273,000**	**18,300**

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)
MW-4	09/18/96	NA	NA	NA	NA
	09/26/97	NA	NA	NA	NA
	01/15/98	NA	NA	NA	NA
	05/18/98	NA	NA	NA	NA
	09/29/98	NA	NA	NA	NA
	01/06/99	NA	NA	NA	NA
	01/07/99	NA	NA	NA	NA
	03/30/99	NA	NA	NA	NA
	06/30/99	NA	NA	NA	NA
	09/17/99	NA	NA	NA	NA
	04/13/00	NA	NA	NA	NA
	08/01/00	NA	NA	NA	NA
	09/15/00	NA	NA	NA	NA
	12/15/00	NA	NA	NA	NA
	03/07/01	NA	NA	NA	NA
	09/16/01	ND	NA	NA	NA
	12/27/01	ND	NA	NA	NA
	03/15/02	NA	NA	NA	NA
	06/21/02	NA	NA	NA	NA
	09/17/02	NA	NA	NA	NA
	12/18/02	NA	NA	NA	NA
	03/24/03	NA	NA	NA	NA
	06/18/03	NA	NA	NA	NA
	12/29/03	NA	<250	**1,700**	<0.50
	12/14/04	NA	NA	NA	NA
	03/25/05	NA	NA	NA	NA
	07/14/05	NA	NA	NA	NA
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	**102**	**992**	<495
	09/10/06	NA	<80.0	**1,630**	<526
	12/17/06	NA	<80.0	**1,010**	<526
	04/15/07	NA	<80.0	**1,190**	<476
	11/04/07	NA	<80.0	**6,760**	**1,260**
	08/03/08	NA	<80.0	**1,020**	<500
	11/16/08	NA	<80.0	**1,790**	<510

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)
MW-5	09/18/96	NA	NA	NA	NA
	09/26/97	NA	NA	NA	NA
	01/15/98	NA	NA	NA	NA
	05/18/98	NA	NA	NA	NA
	09/29/98	NA	NA	NA	NA
	01/06/99	NA	NA	NA	NA
	01/07/99	NA	NA	NA	NA
	03/30/99	NA	NA	NA	NA
	06/30/99	NA	NA	NA	NA
	09/17/99	NA	NA	NA	NA
	04/13/00	NA	NA	NA	NA
	08/01/00	NA	NA	NA	NA
	09/15/00	NA	NA	NA	NA
	12/15/00	NA	NA	NA	NA
	03/07/01	NA	NA	NA	NA
	09/16/01	ND	NA	NA	NA
	12/27/01	Diesel	NA	NA	NA
	03/15/02	NA	NA	NA	NA
	06/21/02	NA	NA	NA	NA
	09/17/02	NA	NA	NA	NA
	12/18/02	NA	NA	NA	NA
	03/24/03	NA	NA	NA	NA
	06/18/03	NA	NA	NA	NA
	12/29/03	NA	<250	**1,200**	<0.50
	12/14/04	NA	NA	NA	NA
	03/25/05	NA	NA	NA	NA
	07/14/05	NA	NA	NA	NA
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	**99.3**	**2,280**	<500
	09/10/06	NA	<80.0	**1,430**	<500
	12/17/06	NA	**284**	**10,800**	<476
	04/15/07	NA	**95.7**	**26,700**	**687**
	11/04/07	NA	**122**	**7,660**	**1,160**
	08/03/08	NA	**<80.0**	**12,600**	**1,120**
	11/16/08	NA	**89.0**	**9,840**	**727**

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)
MW-6	09/18/96	NA	NA	NA	NA
	09/26/97	NA	NA	NA	NA
	01/15/98	NA	NA	NA	NA
	05/18/98	NA	NA	NA	NA
	09/29/98	NA	NA	NA	NA
	01/06/99	NA	NA	NA	NA
	01/07/99	NA	NA	NA	NA
	03/30/99	NA	NA	NA	NA
	06/30/99	NA	NA	NA	NA
	09/17/99	NA	NA	NA	NA
	04/13/00	NA	NA	NA	NA
	08/01/00	NA	NA	NA	NA
	09/15/00	NA	NA	NA	NA
	12/15/00	NA	NA	NA	NA
	03/07/01	NA	NA	NA	NA
	09/16/01	ND	NA	NA	NA
	12/27/01	ND	NA	NA	NA
	03/15/02	NA	NA	NA	NA
	06/21/02	NA	NA	NA	NA
	09/17/02	NA	NA	NA	NA
	12/18/02	NA	NA	NA	NA
	03/24/03	NA	NA	NA	NA
	06/18/03	NA	NA	NA	NA
	12/29/03	NA	<250	<0.25	<0.50
	12/14/04	NA	NA	NA	NA
	03/25/05	NA	NA	NA	NA
	07/14/05	NA	NA	NA	NA
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	<80.0	**480**	<500
	09/10/06	NA	**98.5**	**3,830**	<490
	12/17/06	NA	**141**	**36,600**	<500
	04/15/07	NA	**86.5**	**4,070**	<476
	11/04/07	NA	<80.0	**26,700**	<2,480
	08/03/08	NA	<80.0	**7,740**	<505
	11/16/08	NA	<80.0	**7,400**	<521

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)
MW-7	07/26/05	Diesel	NA	**807,000,000***	<500
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	**694**	**207,000***	<4,850
	09/10/06	NA	NA	NA*	NA
	12/17/06	NA	**1,200**	**972,000**	<49,500
	04/15/07	NA	**1,030**	**122,000**	<9,520
	11/04/07	NA	**1,540**	**438,000**	**29,100**
	08/03/08	NA	**1,270**	**481,000**	**23,600**
	11/16/08	NA	**1,310**	**651,000**	<51,500
MW-8	07/14/05	NA	NA	NA	NA
	10/06/05	NA	NA	NA	NA
	02/08/06	NA	**455**	**100,000**	<5,000
	09/10/06	NA	**865**	**134,000**	<5,000
	12/17/06	NA	**693**	**127,000**	**10,500**
	04/15/07	NA	**522**	**93,000**	**6,260**
	11/04/07	NA	**538**	**41,100**	<4,950
	08/03/08	NA	**758**	**137,000**	<10,200
	11/16/08	NA	**983**	**123,000**	<10,000
MW-9	**11/16/08**	NA	**410**	**143,000**	<10,400
RBC_{we} - Construction and Excavation Worker			12,000	9,700	9,700
RBC_{wl} - Vapor Intrusion into Residential Buildings			-	-	-
SLV - Aquatic			-	-	-
SLV - Terrestrial					

Notes:

NWTPH-Gx = Total Petroleum Hydrocarbons as Gasoline Range Hydrocarbons by Method NWTPH-Gx

NWTPH-Dx = Total Petroleum Hydrocarbons as Diesel Range Hydrocarbons by Method NWTPH-Dx

NWTPH-O = Total Petroleum Hydrocarbons as Heavy-Oil Range Hydrocarbons by Method NWTPH-Dx

<2.43 = Not detected at the reporting limit indicated

mg/l=milligrams per liter (parts per million (ppm))

µg/l=micrograms per liter (parts per billion (ppb))

NA = sample was not analyzed for this constituent

ND = HCID analysis on this sample indicated no detection of hydrocarbons

BOLD = Analyte detected at or above method detection limits

SHADING indicates the highest respective screening level that is exceeded.

RBC_{we} = Risk Based Concentration: Groundwater in Excavation (Revised: October 2008). Value for diesel range hydrocarbons

TABLE 2
Groundwater Sample Analytical Results - TPH
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	HCID (mg/l)	NW-TPH-Gx (ug/l)	NW-TPH-Dx (ug/l)	NW-TPH-O (ug/l)

used as surrogate for oil range hydrocarbons.

RBC_{WI} = Risk Based Concentration: Vapor Intrusion into Residential Buildings (Revised: October 2008).

SLV - Aquatic = Fresh Surface Water Level II Screening Level Value for Aquatic Receptor (Revised December 2001).

SLV - Terrestrial = Fresh Surface Water Level II Screening Level Value for Terrestrial Receptor. The lower SLV of birds and mammals is shown. (Revised December 2001).

- = No Risk Based Concentration or Screening Level Value Listed

* = Free-product present in sample

TABLE 3
Groundwater Analytical Results - Volatile Organic Compounds
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Avenue
Portland, Oregon

Well ID	Date Sampled	Acetone (ug/l)	Benzene (ug/l)	2-Butanone (MEK) (ug/l)	n-Butyl benzene (ug/l)	sec-Butyl benzene (ug/l)	tert-Butyl benzene (ug/l)	Chloro ethane (ug/l)	1,2-Dichloro ethane (ug/l)	cis-1,2-Dichloro ethene (ug/l)	trans-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropyl benzene (ug/l)	Methyl tert-butyl ether (ug/l)	Methylene chloride (ug/l)	Naphthalene (ug/l)	n-Propyl benzene (ug/l)	Tetrachloro ethene (ug/l)	Toluene (ug/l)	Trichloro ethene (ug/l)	1,2,4-Trimethyl benzene (ug/l)	1,3,5-Trimethyl benzene (ug/l)	Total Xylenes (m.p and o) (ug/l)
MW-1	9/18/1996	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	6/27/1997	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/26/1997	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/15/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	5/18/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	**2**	NA	NA	NA	NA	NA	NA	**2**	NA	NA	NA	**10**
	9/29/1998	NA	**2**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/6/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/7/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	6/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	**71**	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	4/13/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	8/1/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	12/15/2000	NA	**6**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/7/2001	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	**1,020**	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/2001	NA	**2**	NA	NA	NA	NA	NA	NA	NA	NA	**1**	NA	**1,700**	NA	<10	NA	NA	<1	NA	NA	NA	**1**
	12/27/2001	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	**1,190**	NA	NA	NA	NA	<1	NA	NA	NA	<1
	3/15/2002	NA	**96**	NA	NA	NA	NA	NA	NA	NA	NA	**1**	NA	**692**	NA	NA	NA	NA	<1	NA	NA	NA	<1
	6/21/2002	<50.0	**24.9**	<10.0	<1.00	<1.00	<1.00	<1.00	**2.10**	<1.00	<1.00	<1.00	<1.00	**648**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	9/17/2002	<50.0	**27.5**	<10.0	<1.00	<1.00	<1.00	<1.00	**2.07**	<1.00	<1.00	<1.00	<1.00	**870**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	12/18/2002	<50.0	**10.8**	<10.0	<1.00	<1.00	<1.00	<1.00	**1.72**	<1.00	<1.00	<1.00	<1.00	**978**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	3/24/2003	<50.0	**10.6**	<10.0	<1.00	<1.00	<1.00	<1.00	**2.53**	<1.00	<1.00	<1.00	<1.00	**898**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00
	6/18/2003	NA	**12**	NA	NA	NA	NA	NA	<1	NA	NA	<1	<1	**1,147**	NA	<2	<2	NA	<2	NA	<2	<2	<2
	12/29/2003	NA	**9**	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	**1,163**	NA	**3**	<2	NA	<2	NA	<2	<2	<2
	12/22/2004	NA	**4**	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	**868**	NA	<2	<2	NA	<2	NA	<2	<2	<2
	3/25/2005	<20	**48.5**	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	**1,310**	<10	**2**	<3	<2	<1	<2	<2	<2	<2
	7/14/2005	<20	**20.2**	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	**1,260**	<2	<2	<3	<2	<1	<2	<2	<2	<2
	10/6/2005	<20	**51**	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	**1,331**	<10	**5**	<3	<2	<1	<2	<2	<2	<2
	2/8/2006	<250	<10.0	<100	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	**1,260**	<50.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<30.0
	9/10/2006	<250	**50.0**	<100	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	**1,200**	<50.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<30.0
	12/17/2006	<250	**13.0**	<100	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	**895**	<50.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<30.0
	4/15/2007	<250	**50**	<100	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	**1,200**	<50.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<30.0
	11/4/2007	<20.0	**44.9**	<10.0	<0.500	**0.89**	<0.500	<10.0	**0.86**	<0.500	<0.500	<0.500	**0.650**	**784**	<10.0	<5.00	<0.500	<0.500	<2.00	<0.500	<0.500	<0.500	<1.5
MW-1R	8/3/2008	<20.0	**98.6**	<10.0	<1.00	<10.0	<0.500	<2.00	**2.55**	<0.500	<0.500	<0.500	**2.29**	**747**	<5.00	<5.00	**5.55**	<0.500	<1.00	<0.500	<2.00	<1.00	<1.5
	11/16/2008	<20.0	**88.6**	<10.0	<1.00	<10.0	<0.500	<2.00	**0.680**	<0.500	<0.500	<0.500	**2.10**	**721**	<5.00	<5.00	**2.43**	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
MW-2	9/18/1996	NA	**626**	NA	NA	NA	NA	NA	NA	NA	NA	**33**	NA	NA	NA	NA	NA	NA	**32**	NA	NA	NA	**359**
	6/27/1997	NA	**234**	NA	NA	NA	NA	NA	NA	NA	NA	**16**	NA	NA	NA	NA	NA	NA	**23**	NA	NA	NA	**11**
	9/26/1997	NA	**508**	NA	NA	NA	NA	NA	NA	NA	NA	**18**	NA	NA	NA	NA	NA	NA	**17**	NA	NA	NA	**23**
	1/15/1998	NA	**614**	NA	NA	NA	NA	NA	NA	NA	NA	**44**	NA	NA	NA	NA	NA	NA	**57**	NA	NA	NA	**66**
	5/18/1998	NA	**216**	NA	NA	NA	NA	NA	NA	NA	NA	**53**	NA	NA	NA	NA	NA	NA	**24**	NA	NA	NA	**82**
	9/29/1998	NA	**279**	NA	NA	NA	NA	NA	NA	NA	NA	**8**	NA	NA	NA	NA	NA	NA	**13**	NA	NA	NA	**8**
	1/6/1999	NA	**1,620**	NA	NA	NA	NA	NA	NA	NA	NA	**53**	NA	NA	NA	NA	NA	NA	**305**	NA	NA	NA	**88**
	1/7/1999	NA	**1,270**	NA	NA	NA	NA	NA	NA	NA	NA	**3**	NA	**4,220**	NA	NA	NA	NA	**86**	NA	NA	NA	**22**
	3/30/1999	NA	**775**	NA	NA	NA	NA	NA	NA	NA	NA	**23**	NA	**2,280**	NA	NA	NA	NA	**96**	NA	NA	NA	**38**
	6/30/1999	NA	**398**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	**4,220**	NA	NA	NA	NA	**26**	NA	NA	NA	**10**
	9/17/1999	NA	**502**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	**1,160**	NA	NA	NA	NA	**21**	NA	NA	NA	**5**
	4/13/2000	NA	**1,010**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	**3,290**	NA	NA	NA	NA	**52**	NA	NA	NA	**29**
	8/1/2000	NA	**628**	NA	NA	NA	NA	NA	NA	NA	NA	**10**	NA	**4,650**	NA	NA	NA	NA	**44**	NA	NA	NA	**12**
	9/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	12/15/2000	NA	**1,860**	NA	NA	NA	NA	NA	NA	NA	NA	**16**	NA	**6,950**	NA	NA	NA	NA	**69**	NA	NA	NA	**16**
	3/7/2001	NA	**904**	NA	NA	NA	NA	NA	NA	NA	NA	**7**	NA	**4,190**	NA	NA	NA	NA	**18**	NA	NA	NA	**4**
	9/17/2001	NA	**18**	NA	NA	NA	NA	NA	NA	NA	NA	**1**	NA	**122**	NA	<10	NA	NA	**1**	NA	NA	NA	**1**
	12/27/2001	NA	**1,190**	NA	NA	NA	NA	NA	NA	NA	NA	**17**	NA	**2,810**	NA	**1.4#**	NA	NA	**510**	NA	NA	NA	**115**
	3/15/2002	NA	**1,140**	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	**3,180**	NA	NA	NA	NA	**206**	NA	NA	NA	**97**
	6/21/2002	<50.0	**446**	**23.8**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**1,850**	<20.0	<1.00	<1.00	<1.00	**26.5**	<1.00	<1.00	<1.00	**14.84**
	9/17/2002	<50.0	**830**	<10.0	**1.03**	**2.48**	<1.00	<1.00	<1.00	<1.00	<1.00	**3.26**	**2.29**	**2,910**	<20.0	<1.00	**3.59**	<1.00	**23.6**	<1.00	<1.00	<1.00	**4.63**
	12/18/2002	**61.5**	**1,150**	**74.2**	**1.33**	**2.68**	**1.22**	<1.00	<1.00	<1.00	<1.00	**15.3**	**3.31**	**4,740**	<20.0	**14.5**	**6.72**	<1.00	**89.6**	<1.00	**6.64**	**1.48**	**50.1**
	3/24/2003	<50.0	**1,400**	**50.8**	**2.66**	**3.65**	<1.00	<1.00	<1.00	<1.00	<1.00	**16.6**	**4.29**	**1,700**	<20.0	**7.53**	**14.2**	<1.00	**268**	<1.00	**14.9**	**2.31**	**114.1**
	6/18/2003	NA	**623**	NA	NA	NA	NA	NA	<100	NA	NA	<100	<100	**1,653**	NA	<100	<100	NA	**125**	NA	<100	<100	158
	12/29/2003	NA	**379**	NA	NA	NA	NA	NA	<2	NA	NA	**10**	**3**	**947**	NA	<2	**10**	NA	**59**	NA	**8**	<2	**55**
	12/22/2004	NA	**248**	NA	NA	NA	NA	NA	<2	NA	NA	**5**	**2**	**626**	NA	**2**	**7**	NA	**41**	NA	**2**	<2	**23**
	3/25/2005	<20	**81.3**	**59**	<2	<2	<2	<6	<2	<3	<2	<1	<2	**1,130**	<10	<2	<3	**2**	**5**	<2	<2	<2	**3**
	7/14/2005	<20	**191**	<10	<2	**3**	<2	<6	<2	<3	<2	**4**	**3**	**975**	<2	<2	**8**	<2	**30**	<2	<2	<2	**25**
	10/6/2005	<20	**548**	<10	<2	**3**	<2	<6	<2	<3	<2	**7**	**4**	**558**	<10	**3**	**11**	<2	**110**	<2	<2	<2	**39**
	2/8/2006	<500	**2,810**	<200	<100	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<40.0	**339**	<100	<40.0	<20.0	<20.0	**1,250**	<20.0	<20.0	<20.0	**161.8**
	9/10/2006	<500	**2,140**	<200	<100	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<40.0	**884**	<100	<40.0	<20.0	<20.0	**473**	<20.0	<20.0	<20.0	**105.6**
	12/17/2006	<250	**1,850**	<200	<100	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<40.0	**364**	<100	<40.0	<20.0	<20.0	**343**	<20.0	12.7	10.1	**176.0**
	4/15/2007	<500	**2,140**	<200	<100	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<40.0	**884**	<100	<40.0	<20.0	<20.0	**473**	<20.0	<20.0	<20.0	**105.6**

TABLE 3
Groundwater Analytical Results - Volatile Organic Compounds
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Avenue
Portland, Oregon

Well ID	Date Sampled	Acetone (ug/l)	Benzene (ug/l)	2-Butanone (MEK) (ug/l)	n-Butyl benzene (ug/l)	sec-Butyl benzene (ug/l)	tert-Butyl benzene (ug/l)	Chloro ethane (ug/l)	1,2-Dichloro ethane (ug/l)	cis-1,2-Dichloro ethene (ug/l)	trans-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropyl benzene (ug/l)	Methyl tert-butyl ether (ug/l)	Methylene chloride (ug/l)	Naphthalene (ug/l)	n-Propyl benzene (ug/l)	Tetrachloro ethene (ug/l)	Toluene (ug/l)	Trichloro ethene (ug/l)	1,2,4-Trimethyl benzene (ug/l)	1,3,5-Trimethyl benzene (ug/l)	Total Xylenes (m.p and o) (ug/l)
	11/4/2007	<20.0	**1,090**	<10.0	**3.77**	**4.65**	<0.500	<2.00	<0.500	<0.500	<0.500	**5.93**	**3.82**	**456**	<10.0	<5.00	**12.4**	<0.500	**197**	<0.500	**5.21**	**3.12**	**81.0**
MW-2R	8/3/2008	**26.9**	**80.4**	**31.5**	<1.00	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	<0.500	**353**	<5.00	<5.00	<0.500	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
	11/16/2008	<20.0	**134**	<10.0	<1.00	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	**0.770**	<0.500	**1,140**	<5.00	<5.00	**0.620**	<0.500	**4.35**	<0.500	<1.00	<1.00	**4.51**
MW-3	9/18/1996	NA	**2,550**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	NA	NA	NA	NA	NA	**6**	NA	NA	NA	**8**
	6/27/1997	NA	**796**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	NA	NA	NA	NA	NA	**3**	NA	NA	NA	**6**
	9/26/1997	NA	**1,800**	NA	NA	NA	NA	NA	NA	NA	NA	**20**	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	**32**
	1/15/1998	NA	**1,130**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	5/18/1998	NA	**216**	NA	NA	NA	NA	NA	NA	NA	NA	**53**	NA	NA	NA	NA	NA	NA	**24**	NA	NA	NA	**82**
	9/29/1998	NA	**601**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	**9**
	1/6/1999	NA	**385**	NA	NA	NA	NA	NA	NA	NA	NA	**7**	NA	NA	NA	NA	NA	NA	**7**	NA	NA	NA	**21**
	1/7/1999	NA	**162**	NA	NA	NA	NA	NA	NA	NA	NA	**4**	NA	<10	NA	NA	NA	NA	**3**	NA	NA	NA	**7**
	3/30/1999	NA	**717**	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	<10	NA	NA	NA	NA	**5**	NA	NA	NA	**15**
	6/30/1999	NA	**465**	NA	NA	NA	NA	NA	NA	NA	NA	**9**	NA	<10	NA	NA	NA	NA	**5**	NA	NA	NA	**12**
	9/17/1999	NA	**419**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	**1,160**	NA	NA	NA	NA	**21**	NA	NA	NA	**5**
	4/13/2000	NA	**197**	NA	NA	NA	NA	NA	NA	NA	NA	**4**	NA	<10	NA	NA	NA	NA	**3**	NA	NA	NA	**7**
	8/1/2000	NA	**378**	NA	NA	NA	NA	NA	NA	NA	NA	**3**	NA	<10	NA	NA	NA	NA	**2**	NA	NA	NA	**4**
	9/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	12/15/2000	NA	**167**	NA	NA	NA	NA	NA	NA	NA	NA	**50**	NA	<125	NA	NA	NA	NA	**3**	NA	NA	NA	**51**
	3/7/2001	NA	**158**	NA	NA	NA	NA	NA	NA	NA	NA	**2**	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	**5**
	9/18/2001	NA	**17**	NA	NA	NA	NA	NA	NA	NA	NA	**6**	NA	**17**	NA	NA	NA	NA	**3**	NA	NA	NA	**7**
	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14**	NA	**40**	NA	NA	NA	NA	**5**	NA	NA	NA	**16**
	12/18/2002	<50.0	**226**	<10.0	**3.08**	**2.79**	**1.19**	<1.00	<1.00	<1.00	<1.00	**5.05**	**5.03**	**1.37**	<20.0	**1.53**	**11.3**	<1.00	**4.15**	<1.00	**2.33**	<1.00	**14.72**
	3/24/2003	<50.0	**436**	<10.0	**8.15**	**7.63**	<1.00	<1.00	<1.00	<1.00	<1.00	**8.44**	**12.9**	<1.00	<20.0	<1.00	**29.4**	<1.00	**6.10**	<1.00	**5.92**	**3.13**	**25.27**
	6/18/2003	NA	**223**	NA	NA	NA	NA	NA	<2	NA	NA	**3**	**6**	<5	NA	<2	**7**	NA	**4**	NA	**10**	**5**	**23**
	12/29/2003	NA	**207**	NA	NA	NA	NA	NA	<100	NA	NA	<100	<100	<250	NA	<100	<100	NA	<100	NA	<100	<100	**101**
	12/22/2004	NA	**80**	NA	NA	NA	NA	NA	<2	NA	NA	<2	**5**	<5	NA	<2	**11**	-	**3**	NA	<2	<2	**7**
	3/25/2005	<20	**151**	<10	**5**	**4**	<2	<6	<2	<3	<2	**2**	**7**	<4	<10	<2	**16**	<2	**2**	<2	<2	<2	**7**
	7/14/2005	<20	**92.0**	<10	<2	<2	<2	<6	<2	<3	<2	<1	**3**	<4	<3	<2	**6**	<2	**1**	<2	<2	<2	**3**
	10/6/2005	<20	**187**	<10	<2	**3**	<2	<6	<2	<3	<2	1	**7**	<4	<10	<2	**16**	<2	**3**	<2	<2	<2	**5**
	2/8/2006	<25.0	**159**	<10.00	<5.00	**1.28**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**1.32**	<5.00	<2.00	**3.33**	<1.00	**1.14**	<1.00	<1.00	<1.00	<3.00
	9/10/2006	<25.0	**19.3**	<10.00	<5.00	**1.79**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2.05	**1.42**	<5.00	<2.00	**3.66**	<1.00	<1.00	<1.00	1.79	<1.00	5.39
	12/17/2006	<25.0	**150**	<10.00	<5.00	**1.21**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**1.75**	<5.00	<2.00	**2.42**	<1.00	**1.99**	<1.00	<1.00	<1.00	1.55
	4/15/2007	<25.0	**19**	<10.00	<5.00	**1.79**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2.05	1	<5.00	<2.00	**3.66**	<1.00	<1.00	<1.00	1.79	<1.00	5.39
	11/4/2007	<100	**197**	<50.0	<2.50	<2.50	<2.50	<50.0	<2.50	<2.50	<2.50	<2.50	**2.85**	<2.50	<50.0	<25.0	**4.80**	<2.50	<10.0	<2.50	<2.50	<2.50	<7.50
	8/3/2008	<20.0	**148**	<10.0	**1.60**	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	**1.52**	**1.37**	<5.00	<5.00	**3.17**	<5.00	**1.12**	<0.500	<1.00	<1.00	<1.5
	11/16/2008	<20.0	**98.6**	<10.0	**2.34**	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	**2.69**	**1.17**	<5.00	<5.00	**6.29**	<5.00	**1.50**	<0.500	<1.00	<1.00	**1.40**
MW-4	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/15/1998	NA	**14**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	5/18/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/29/1998	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/6/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/7/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	6/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	4/13/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	8/1/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	12/15/2000	NA	**2**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/7/2001	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/2001	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	<10	NA	<10	NA	NA	<1	NA	NA	NA	<1
	12/27/2001	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	<10	NA	NA	NA	NA	<1	NA	NA	NA	<1
	3/15/2002	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	<10	NA	NA	NA	NA	<1	NA	NA	NA	**1**
	6/21/2002	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**2.40**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	9/17/2002	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**2.66**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	12/18/2002	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**3.41**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	3/24/2003	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**3.90**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	6/18/2003	NA	<0.50	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	<5	NA	<2	<2	NA	<2	NA	<2	<2	<2
	12/29/2003	NA	**1**	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	**6**	NA	<2	<2	NA	**3**	NA	<2	<2	<2
	12/14/2004	NA	**1.4**	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	**3.3**	NA	<2	<2	NA	<2	NA	<2	<2	<2
	3/25/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	<4	<2	<2	<3	**18**	<1	**1.8**	<2	<2	<2
	7/14/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	<4	<2	<2	<3	**28**	<1	**5**	<2	<2	<2
	10/6/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	<4	<2	<2	<3	**24**	<1	**9**	<2	<2	<2
	2/8/2006	<25.0	**1.23**	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**2.29**	<5.00	<2.00	<1.00	**10.2**	<1.00	**17.0**	<1.00	<1.00	<3.00
	9/10/2006	<25.0	<1.00	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**3.04**	<5.00	<2.00	<1.00	**5.34**	<1.00	**3.14**	<1.00	<1.00	<3.00

TABLE 3
Groundwater Analytical Results - Volatile Organic Compounds
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Avenue
Portland, Oregon

Well ID	Date Sampled	Acetone (ug/l)	Benzene (ug/l)	2-Butanone (MEK) (ug/l)	n-Butyl benzene (ug/l)	sec-Butyl benzene (ug/l)	tert-Butyl benzene (ug/l)	Chloro ethane (ug/l)	1,2-Dichloro ethane (ug/l)	cis-1,2-Dichloro ethene (ug/l)	trans-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropyl benzene (ug/l)	Methyl tert-butyl ether (ug/l)	Methylene chloride (ug/l)	Naphthalene (ug/l)	n-Propyl benzene (ug/l)	Tetrachloro ethene (ug/l)	Toluene (ug/l)	Trichloro ethene (ug/l)	1,2,4-Trimethyl benzene (ug/l)	1,3,5-Trimethyl benzene (ug/l)	Total Xylenes (m.p and o) (ug/l)
	12/17/2006	<25.0	<1.00	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**2.88**	<5.00	<2.00	<1.00	**2.13**	<1.00	**3.76**	<1.00	<1.00	<3.00
	4/15/2007	<25.0	<1.00	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**3.04**	<5.00	<2.00	<1.00	**5.34**	<1.00	**3.14**	<1.00	<1.00	<3.00
	11/4/2007	<20.0	**1.02**	<10.0	<0.500	<0.500	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	<0.500	**3.31**	<5.00	<5.00	<0.500	<0.500	<2.00	**0.51**	<1.00	<1.00	<1.5
	8/3/2008	<20.0	<0.250	<10.0	<1.00	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	<0.500	**2.92**	<5.00	<5.00	<0.500	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
	11/16/2008	<20.0	<0.250	<10.0	<1.00	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	<0.500	**2.06**	<5.00	<5.00	<0.500	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
MW-5	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	**2**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/15/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	**3**	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	**3**
	5/18/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	**2**
	9/29/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/6/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/7/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	6/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	4/13/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	8/1/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	12/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/7/2001	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/2001	NA	**13**	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	<10	NA	<10	NA	NA	**1**	NA	NA	NA	<1
	12/27/2001	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	<10	NA	NA	NA	NA	<1	NA	NA	NA	<1
	3/15/2002	NA	**1**	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	<10	NA	NA	NA	NA	<1	NA	NA	NA	<1
	6/21/2002	<50.0	**0.560**	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	9/17/2002	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	12/18/2002	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	3/24/2003	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	6/18/2003	NA	<0.5	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	<5	NA	<2	<2	NA	<2	NA	<2	<2	<2
	12/29/2003	NA	<0.5	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	<5	NA	<2	<2	NA	<2	NA	<2	<2	<2
	12/14/2004	NA	<0.50	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	<5	NA	<2	<2	-	<2	NA	<2	<2	<2
	3/25/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	<4	<2	<2	<3	**132**	<1	**3**	<2	<2	<2
	7/14/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	<4	<2	<2	<3	**149**	<1	**4**	<2	<2	<2
	10/6/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	<4	<2	<2	<3	**135**	<1	**9**	<2	<2	<2
	2/8/2006	<25.0	<1.00	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	**1.39**	<1.00	<2.00	<1.00	<5.00	<2.00	<1.00	**117**	<1.00	**24.3**	<1.00	<1.00	<3.00
	9/10/2006	<25.0	<1.00	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	**1.44**	**2.44**	<1.00	<2.00	<1.00	<5.00	<2.00	<1.00	**42.6**	<1.00	**26.2**	<1.00	<1.00	<3.00
	12/17/2006	<25.0	<1.00	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	**1.39**	**3.14**	<1.00	<2.00	<1.00	<5.00	<2.00	<1.00	**29.2**	<1.00	**29.4**	<1.00	<1.00	<3.00
	4/15/2007	<25.0	<1.00	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	**1.44**	**2.44**	<1.00	<2.00	<1.00	<5.00	<2.00	<1.00	**42.60**	<1.00	**26.20**	<1.00	<1.00	<3.00
	11/4/2007	<20.0	<0.500	<10.00	<0.500	<0.500	<0.500	<2.00	<0.500	**2.19**	**6.83**	<0.500	<0.500	<0.500	<5.00	<5.00	<0.500	**5.80**	<2.00	**33.20**	<1.00	<1.00	<1.5
	8/3/2008	<20.0	<0.250	<10.0	<1.00	<10.0	<0.500	<2.00	<0.500	**2.93**	**2.37**	<0.500	<0.500	<1.00	<5.00	<5.00	<0.500	**2.80**	<1.00	**13.60**	<1.00	<1.00	<1.5
	11/16/2008	<20.0	<0.250	<10.0	<1.00	<10.0	<0.500	<2.00	<0.500	**2.16**	**2.06**	<0.500	<0.500	<1.00	<5.00	<5.00	<0.500	**2.70**	<1.00	**14.6**	<1.00	<1.00	<1.5
MW-6	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/15/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	5/18/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/29/1998	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/6/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	1/7/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	6/30/1999	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	<10	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/1999	NA	**3**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	4/13/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	8/1/2000	NA	**2**	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	12/15/2000	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	3/7/2001	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	NA	NA	NA	<2
	9/17/2001	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	**70**	NA	<10	NA	NA	<1	NA	NA	NA	<1
	12/27/2001	NA	**9**	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	**76**	NA	NA	NA	NA	<1	NA	NA	NA	<1
	3/15/2002	NA	**4**	NA	NA	NA	NA	NA	NA	NA	NA	<1	NA	**56**	NA	NA	NA	NA	<1	NA	NA	NA	<1
	6/21/2002	<50.0	**3.96**	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**49.8**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	9/17/2002	<50.0	**1.31**	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**51.4**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	12/18/2002	<50.0	<0.400	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**59.3**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	3/24/2003	<50.0	**10.8**	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**54.8**	<20.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	6/18/2003	NA	**7**	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	**36**	NA	<2	<2	NA	<2	NA	<2	<2	<2
	12/29/2003	NA	**1**	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	**35**	NA	<2	<2	NA	<2	NA	<2	<2	<2
	12/14/2004	NA	<0.50	NA	NA	NA	NA	NA	<2	NA	NA	<2	<2	**46**	NA	<2	<2	-	<2	NA	<2	<2	<2
	3/25/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	**45**	<2	**4**	<3	**4**	<1	<2	**3**	<2	**4**
	7/14/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	**48**	<2	<2	<3	<2	<1	<2	<2	<2	<2
	10/6/2005	<20	<0.5	<10	<2	<2	<2	<6	<2	<3	<2	<1	<2	**52**	<2	<3	<3	<2	<1	<2	<2	<2	<2
	1/22/2006	<25.0	**6.19**	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**75.8**	<5.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00

TABLE 3
Groundwater Analytical Results - Volatile Organic Compounds
Fourth Quarter 2008
Pacific Pride Cardlock and Sunset Fuel Co. Properties
6230 and 6140 SW Macadam Avenue
Portland, Oregon

Well ID	Date Sampled	Acetone (ug/l)	Benzene (ug/l)	2-Butanone (MEK) (ug/l)	n-Butyl benzene (ug/l)	sec-Butyl benzene (ug/l)	tert-Butyl benzene (ug/l)	Chloro ethane (ug/l)	1,2-Dichloro ethane (ug/l)	cis-1,2-Dichloro ethene (ug/l)	trans-1,2-Dichloroethene (ug/l)	Ethylbenzene (ug/l)	Isopropyl benzene (ug/l)	Methyl tert-butyl ether (ug/l)	Methylene chloride (ug/l)	Naphthalene (ug/l)	n-Propyl benzene (ug/l)	Tetrachloro ethene (ug/l)	Toluene (ug/l)	Trichloro ethene (ug/l)	1,2,4-Trimethyl benzene (ug/l)	1,3,5-Trimethyl benzene (ug/l)	Total Xylenes (m.p and o) (ug/l)
	9/10/2006	<25.0	**5.67**	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**58.5**	<5.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	12/17/2006	<25.0	**2.24**	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**74.2**	<5.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	4/15/2007	<25.0	**5.67**	<10.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	**58.5**	<5.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	11/4/2007	<20.0	**3.80**	<10.00	**1.14**	**0.58**	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	**0.53**	**71.3**	<5.00	<5.00	**1.64**	<0.500	<2.00	<0.500	<1.00	<1.00	<1.5
	8/3/2008	<20.0	**0.27**	<10.0	**<1.00**	**<10.0**	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	**<0.500**	**52.7**	<5.00	<5.00	<0.500	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
	11/16/2008	<20.0	<0.250	<10.0	<1.00	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	<0.500	**53.7**	<5.00	<5.00	<0.500	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
MW-7	7/26/2005	**51**	**31.2**	**13**	**8**	**6**	<2	<6	<2	<3	<2	**1**	**22**	**86**	<2	**4**	**72**	<2	**2**	<2	**3**	<2	**7**
	10/6/2005	<20	**46**	<10	**14**	**9**	<2	<6	<2	<3	<2	<1	**24**	**156**	<2	<3	**75**	<2	<1	<2	<2	<2	<2
	2/8/2006	<25.0	**2.07**	<10.00	**6.03**	**4.07**	**1.15**	**1.05**	<1.00	<1.00	<1.00	<1.00	**10.4**	**15.5**	<5.00	<2.00	**33.0**	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	<25.0	**25.2**	<10.00	**10.0**	**6.46**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**20.0**	**24.9**	<5.00	<2.00	**65.9**	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	4/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/4/2007	<20.0	**53.1**	<10.0	**10.9**	**8.19**	**0.83**	<2.00	<0.500	<0.500	<0.500	**0.55**	**20.7**	**89.7**	<5.00	<5.00	**67.4**	<0.500	<2.00	<0.500	<1.00	<1.00	<1.5
	8/3/2008	<100	**11.0**	<50.0	**12.8**	<50.0	<2.50	<10.0	<2.50	<2.50	<2.50	**<2.50**	**16.2**	**24.0**	<25.0	<25.0	**58.9**	<2.50	<5.00	<2.50	<5.00	<5.00	<7.5
	11/16/2008	**52.3**	**69.9**	<20.0	**9.61**	<10.0	**0.590**	<2.00	<0.500	<0.500	<0.500	<0.500	**19.0**	**66.5**	<5.00	<5.00	**66.0**	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
MW-8	7/14/2005	<20	**0.7**	<10	<2	**3**	<2	<6	<2	<3	<2	<1	**13**	<2	<2	<2	**36**	<2	<1	<2	**2**	<2	<2
	10/6/2005	<20	<0.5	<10	**3**	**4**	<2	<6	<2	<3	<2	<1	**15**	<2	**9**	<3	**39**	<2	<1	<2	**2**	<2	<2
	2/8/2006	<25.0	**8.00**	<10.00	<5.00	**3.27**	**1.12**	**1.42**	<1.00	<1.00	<1.00	<1.00	**14.9**	**35.6**	<5.00	<2.00	**34.7**	<1.00	<1.00	<1.00	**4.02**	<1.00	<3.00
	9/10/2006	<25.0	**21.20**	<10.00	<5.00	**3.22**	<1.00	**1.32**	<1.00	<1.00	<1.00	<1.00	**17.2**	**58.7**	<5.00	<2.00	**38.0**	<1.00	<1.00	<1.00	<1.00	<1.00	**4.30**
	12/17/2006	<25.0	**19.90**	<10.00	<5.00	**3.65**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**15.7**	**76.3**	<5.00	<2.00	**39.9**	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	4/15/2007	<25.0	**21.20**	<10.00	<5.00	**3.22**	<1.00	1.32	<1.00	<1.00	<1.00	<1.00	**17.2**	**58.7**	<5.00	<2.00	**38**	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	11/4/2007	<20.0	**2.12**	<10.0	**5.48**	**4.48**	**0.55**	<2.00	<0.500	<0.500	<0.500	<0.500	**16.6**	**4.61**	<5.00	<5.00	**47.3**	<0.500	<2.00	<0.500	<1.00	<1.00	<1.5
	8/3/2008	<100	**53.00**	<50.0	**5.2**	**<50.0**	**<2.50**	<10.0	<2.50	<5.00	<2.50	<2.50	**15.0**	**55.10**	<25.0	<25.0	**39.7**	<2.50	<5.00	<2.50	<5.00	<5.00	<7.5
	11/16/2008	<20.0	**0.850**	<10.0	**4.89**	<10.0	<0.500	**2.54**	<0.500	<0.500	<0.500	<0.500	**12.8**	**2.05**	<5.00	<5.00	**37.0**	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
MW-9	**11/16/2008**	<20.0	**3.33**	<10.0	**2.52**	<10.0	<0.500	<2.00	<0.500	<0.500	<0.500	<0.500	**4.36**	**7.34**	<5.00	<5.00	**10.7**	<0.500	<1.00	<0.500	<1.00	<1.00	<1.5
RBC_{we} - Construction and Excavation Worker		-	1,700	-	2,700	3,000	-	19,000	-	7,600	13,000	4,200	51,000	59,000	-	470	4,500	240	200,000	130	1,300	1,400	22,000
RBC_{wi} - Vapor Intrusion into Residential Buildings		-	160	-	-	8,400	-	670	-	34,000	27,000	410	-	33,000	-	560	11,000	78	-	6.6	4,300	3,200	59,000
SLV - Aquatic		1,500	130	14,000,000	-	-	-	-	20,000	590	590	7.3	-	-	2,200	620	-	840	9.8	21,900	-	-	13
SLV - Terrestrial		76,000	200,000	-	-	-	-	-	125,000	180,000	180,000	-	-	-	45,000	284,000	-	6,000	104,000	3,000	-	-	8,000

Notes:

Lab analysis prior to 6/21/06 were by EPA method 8020 (BTEX) and or MTBE

Lab analysis from 6/21/06 onward were by EPA method 8260

Reported analytes include all for which detections above Method Detection Limits were found

Additional analytes included in lab report

<2.43 =Not Detected at the Reporting Limit indicated

ug/l=micrograms per liter (parts per billion (ppb))

NA = sample was not analyzed for this constituent

BOLD = Analyte detected at or above method detection limits

SHADING indicates the highest respective screening level that is exceeded.

RBC_{we} = Risk Based Concentration: Groundwater in Excavation (Revised October 2008).

RBC_{WI} = Risk Based Concentration: Vapor Intrusion into Residential Buildings (Revised October 2008).

SLV - Aquatic = Fresh Surface Water Level II Screening Level Value for Aquatic Receptor (Revised December 2001).

SLV - Terrestrial = Fresh Surface Water Level II Screening Level Value for Terrestrial Receptor. The lower SLV of birds and mammals is shown. (Revised December 2001).

- = No Risk Based Concentration or Screening Level Value Listed

= Napthalene by method Oregon PAH GC/MS-SIM

TABLE 4
Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons and Dissolved Lead
Fourth Quarter 2008
Pacific Pride Cardlock
6230 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo (a) anthracene (ug/l)	Benzo (a) pyrene (ug/l)	Benzo (b) fluoroanthene (ug/l)	Benzo (ghi) perylene (ug/l)	Benzo (k) fluoranthene (ug/l)	Chrysene (ug/l)	Dibenzo (a,h) anthracene (ug/l)	Fluoroanthene (ug/l)	Fluorene (ug/l)	Indeno (1,2,3-cd) pyrene (ug/l)	Naphthalene (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)	Dissolved Lead (ug/l)
MW-1	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/27/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/13/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	**0.371**	<0.104	<0.156	**0.109**	<0.104	<1.00
	4/15/2007	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.190	<0.0952	<0.190	<0.0952	<0.0952	<0.0952	<0.0952	<1.00
	11/4/2007	**0.0828**	<0.0500	<0.0500	<0.100	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.162**	<0.100	**0.184**	<0.0500	<0.0500	<1.00

TABLE 4
Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons and Dissolved Lead
Fourth Quarter 2008
Pacific Pride Cardlock
6230 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo (a) anthracene (ug/l)	Benzo (a) pyrene (ug/l)	Benzo (b) fluoroanthene (ug/l)	Benzo (ghi) perylene (ug/l)	Benzo (k) fluoranthene (ug/l)	Chrysene (ug/l)	Dibenzo (a,h) anthracene (ug/l)	Fluoroanthene (ug/l)	Fluorene (ug/l)	Indeno (1,2,3-cd) pyrene (ug/l)	Naphthalene (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)	Dissolved Lead (ug/l)
MW-2	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/27/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/13/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/27/2001	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.3**	<0.1	**1.4**	**0.3**	<0.1	<0.1
	3/15/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	6/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	**0.208**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	**0.592**	<0.100	<1.20	**0.447**	<0.100	<1.00
	4/15/2007	**0.222**	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.381	<0.190	**0.847**	<0.190	<1.14	**0.896**	<0.190	<1.00
	11/4/2007	**0.114**	<0.0500	<0.0500	<0.100	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.232**	<0.100	**1.53**	**0.101**	<0.0500	<1.00

TABLE 4
Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons and Dissolved Lead
Fourth Quarter 2008
Pacific Pride Cardlock
6230 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo (a) anthracene (ug/l)	Benzo (a) pyrene (ug/l)	Benzo (b) fluoroanthene (ug/l)	Benzo (ghi) perylene (ug/l)	Benzo (k) fluoranthene (ug/l)	Chrysene (ug/l)	Dibenzo (a,h) anthracene (ug/l)	Fluoroanthene (ug/l)	Fluorene (ug/l)	Indeno (1,2,3-cd) pyrene (ug/l)	Naphthalene (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)	Dissolved Lead (ug/l)
MW-3	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/27/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/13/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/18/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	**21.0**	<10.0	**8.05**	<2.00	<2.00	<2.00	<2.00	<2.00	**2.00**	<2.00	**3.12**	**67.2**	<2.00	<16.0	**77.1**	**5.61**	<1.00
	4/15/2007	**1.53**	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952	<0.190	<0.952	**4.87**	<0.952	<1.90	**4.28**	<0.952	<1.00
	11/4/2007	**3.12**	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	**8.28**	<1.00	**2.39**	**7.37**	<0.500	<1.00

TABLE 4
Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons and Dissolved Lead
Fourth Quarter 2008
Pacific Pride Cardlock
6230 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo (a) anthracene (ug/l)	Benzo (a) pyrene (ug/l)	Benzo (b) fluoroanthene (ug/l)	Benzo (ghi) perylene (ug/l)	Benzo (k) fluoranthene (ug/l)	Chrysene (ug/l)	Dibenzo (a,h) anthracene (ug/l)	Fluoroanthene (ug/l)	Fluorene (ug/l)	Indeno (1,2,3-cd) pyrene (ug/l)	Naphthalene (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)	Dissolved Lead (ug/l)
MW-4	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/13/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	**0.358**	<0.100	<0.100	**0.156**	<0.100	<1.00
	4/15/2007	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.190	<0.0952	**0.185**	<0.0952	<0.0952	<0.0952	<0.0952	<1.00
	11/4/2007	**0.48**	<0.100	**0.103**	<0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**1.51**	<0.200	**0.172**	**0.139**	<0.100	<1.00

TABLE 4
Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons and Dissolved Lead
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Portland, Oregon

Well ID	Date Sampled	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo (a) anthracene (ug/l)	Benzo (a) pyrene (ug/l)	Benzo (b) fluoroanthene (ug/l)	Benzo (ghi) perylene (ug/l)	Benzo (k) fluoranthene (ug/l)	Chrysene (ug/l)	Dibenzo (a,h) anthracene (ug/l)	Fluoroanthene (ug/l)	Fluorene (ug/l)	Indeno (1,2,3-cd) pyrene (ug/l)	Naphthalene (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)	Dissolved Lead (ug/l)
MW-5	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/13/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	<0.789	<0.789	<1.05	<0.526	<0.526	<0.526	<0.526	<0.526	<0.526	<1.05	<0.526	**3.42**	<0.526	<0.526	<0.526	<0.526	<1.00
	4/15/2007	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962	<1.92	<0.962	**2.10**	<0.962	<0.962	<0.962	<0.962	<1.00
	11/4/2007	**0.471**	<0.0939	**0.222**	<0.188	<0.0939	<0.0939	<0.0939	<0.0939	<0.0939	<0.0939	<0.0939	**1.88**	<0.188	**0.477**	**1.00**	**0.241**	<1.00

TABLE 4
Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons and Dissolved Lead
Fourth Quarter 2008
Pacific Pride Cardlock
6230 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo (a) anthracene (ug/l)	Benzo (a) pyrene (ug/l)	Benzo (b) fluoroanthene (ug/l)	Benzo (ghi) perylene (ug/l)	Benzo (k) fluoranthene (ug/l)	Chrysene (ug/l)	Dibenzo (a,h) anthracene (ug/l)	Fluoroanthene (ug/l)	Fluorene (ug/l)	Indeno (1,2,3-cd) pyrene (ug/l)	Naphthalene (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)	Dissolved Lead (ug/l)
MW-6	9/18/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/15/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/13/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/25/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.200	<0.100	**0.282**	<0.100	<0.150	**0.186**	<0.100	<1.00
	4/15/2007	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.190	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<1.00
	11/4/2007	**0.502**	<0.486	<0.486	<0.973	<0.486	<0.486	<0.486	<0.486	<0.486	<0.486	<0.486	**1.42**	<0.973	<0.486	**0.886**	<0.486	<1.00

TABLE 4
Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons and Dissolved Lead
Fourth Quarter 2008
Pacific Pride Cardlock
6230 SW Macadam Ave.
Portland, Oregon

Well ID	Date Sampled	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo (a) anthracene (ug/l)	Benzo (a) pyrene (ug/l)	Benzo (b) fluoroanthene (ug/l)	Benzo (ghi) perylene (ug/l)	Benzo (k) fluoranthene (ug/l)	Chrysene (ug/l)	Dibenzo (a,h) anthracene (ug/l)	Fluoroanthene (ug/l)	Fluorene (ug/l)	Indeno (1,2,3-cd) pyrene (ug/l)	Naphthalene (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)	Dissolved Lead (ug/l)
MW-7	7/26/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/17/2006	<155	<103	<103	<103	<103	<103	<103	<103	<103	<206	<103	**501**	<103	<155	456	<103	<1.00
	4/15/2007	<19.0	<19.0	<9.52	<9.52	<9.52	<9.52	<9.52	<9.52	<9.52	<19.0	<9.52	**71.4**	<9.52	<28.6	**70.2**	**10.2**	<1.00
	11/4/2007	**53.9**	<9.59	**27.4**	<9.59	<4.79	<4.79	<4.79	<4.79	**5.50**	<4.79	<9.59	**152**	<9.59	**49.0**	**122**	**19.9**	<1.00
	8/3/2008	<48.1	<28.8	<19.2	<3.85	<3.85	<3.85	<3.85	<3.85	<3.85	<3.85	**7.19**	**106**	<3.85	<19.2	**108**	**9.48**	NA
	11/16/2008	**49.4**	<34.7	**32.2**	**2.13**	**2.27**	<4.08	<2.04	<4.08	**3.91**	<2.04	**7.52**	**127**	<2.04	**64.5**	**140**	**21.5**	NA
MW-8	7/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/10/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12./17/06	**18.9**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	**59.9**	<10.0	<15.0	**38.2**	<10.0	<1.00
	4/15/2007	**7.46**	<7.14	<4.76	<4.76	<4.76	<4.76	<4.76	<4.76	<4.76	<9.52	<4.76	**27.2**	<4.76	<4.76	**16.6**	<4.76	<1.00
	11/4/2007	**7.69**	<1.17	**1.95**	<0.936	<0.468	<0.468	<0.468	<0.468	<0.468	<0.468	<1.17	**19.5**	<0.936	**4.95**	**8.55**	**1.26**	<1.00
	8/3/2008	<16.5	<7.08	<3.77	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	**1.24**	**28.1**	<0.943	<4.72	**17.1**	**1.27**	NA
	11/16/2008	**19.6**	<629	**5.68**	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	**2.29**	**50.4**	<2.04	**18.6**	**32.6**	**4.29**	NA
MW-9	**11/16/2008**	**5.71**	<5.00	**2.18**	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408	**0.869**	**18.3**	<0.408	**7.18**	**9.62**	**1.06**	NA
RBC_{we} - Construction and Excavation Worker		25,000	-	79,000	9.1	0.53	5.2	-	49	910	0.21	9,600	14,000	2.9	470	-	5,800	-
RBC_{wi} - Vapor Intrusion into Residential Buildings		-	-	-	-	-	-	-	-	-	-	-	-	-	560	-	-	-
SLV - Aquatic		520	-	13	0.027	0.014	-	-	-	-	-	6.16	3.9	-	620	6.3	-	2.5
SLV - Terrestrial		-	-	-	-	8,000	-	-	-	-	-	-	-	-	284,000	-	-	28,000

Notes:

<2.43 =Not Detected at the Reporting Limit indicated
ug/l=micrograms per liter (parts per billion (ppb))
NA = sample was not analyzed for this constituent
BOLD = Analyte detected at or above method detection limits
SHADING indicates the highest respective screening level that is exceeded.
RBC_{we} = Risk Based Concentration: Groundwater in Excavation (Revised: October 2008)
RBC_{WI} = Risk Based Concentration: Vapor Intrusion into Residential Buildings (Revised: October 2008).
SLV - Aquatic = Fresh Surface Water Level II Screening Level Value for Aquatic Receptor (Revised December 2001).
SLV - Terrestrial = Fresh Surface Water Level II Screening Level Value for Terrestrial Receptor. The lower SLV of birds and mammals is shown. (Revised December 2001).
- = No Risk Based Concentration or Screening Level Value Listed