

1036 W. Taft Avenue, Suite 200
Orange, California 92865
Tel 714-919-6500
Fax 714-919-6501
www.environstrategy.com

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DEPT OF ECOLOGY
TCP - NWRO

April 4, 2011

Mr. Walter Sprague
Director of Retail Services
Pacific Convenience and Fuels, LLC
7180 Koll Center Parkway, Suite 100
Pleasanton, Washington 94566

DOE Facility No. 17223135
VCP No. NW2296 (formerly NW1495)
Project No. 627

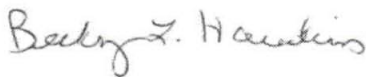
Well Abandonment Report
PC&F Site 01-308
1602 A Street Southeast
Auburn, Washington

Dear Mr. Sprague:

Environ Strategy Consultants, Inc. (Environ Strategy) is pleased to provide this *Well Abandonment Report* (Report) for Site 01-308 located at 1602 A Street Southeast in Auburn, Washington (see Figure 1). This Report presents a summary of the abandonment activities of four (4) groundwater monitoring wells associated with the referenced site.

Should you have questions regarding this report or the well abandonment activities, please contact the undersigned at (714) 919-6500.

Sincerely,
ENVIRON STRATEGY



Becky Hawkins
Project Geologist



BECKY L. HAWKINS

c: Dale Myers, Site Manager, Washington DOE Northwest Regional Office Toxics Cleanup Program

Well Abandonment Report

Site 01-308
Auburn, Washington

Page 2
April 4, 2012

Site 01-308 Auburn, Washington Site and Contractor Overview

Site Location: Site 01-308
1602 A Street Southeast
Auburn, Washington

Responsible Party Contact: Mr. Walter Sprague, PC&F

Environmental Consultant: Environ Strategy Consultants, Inc.
1036 West Taft Avenue, Suite 200
Orange, California 92865

Drilling Contractor: Environmental Services Network (ESN) Northwest, Inc.
1210 Eastside Street SE, Suite 200
Olympia, Washington 98501
Drilling License No. 10486

Regulatory Agency: Washington State Department of Ecology
Northwest Region
3190 160th Avenue SE
Bellevue, Washington 98008-5452

DOE Facility No.: 17223135

SITE DESCRIPTION

The subject site located at 1602 A Street Southeast in Auburn, Washington (Figure 1). The site is an active service station with three fuel underground storage tanks (USTs) and two pump islands, located to the west of a single-story convenience store. The UST system consists of one 6,000-gallon UST, one 8,000-gallon UST and one 12,000-gallon UST, which are all used to store unleaded gasoline and diesel fuel. The site is relatively flat and paved with asphalt and concrete. The site is bound to the north by 16th Street Southeast, to the east by a residential property, to the south by 17th Street Southeast and to the west by A Street Southeast. Existing site features are shown on Figure 2.

Well Abandonment Report

Site 01-308
Auburn, Washington

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April 4, 2012

WORK PERFORMED

Well abandonment activities were performed as part of the No Further Action determination granted by the State of Washington Department of Ecology (DOE). In correspondence dated October 24, 2011, the DOE determined that no further remedial action is required at the site. A copy of the letter is contained in Appendix A. Four (4) site wells identified as MW-1, MW-2, MW-3 and MW-4 were abandoned in accordance with State guidelines. A site plan showing the well location is provided as Figure 2. A summary of the well abandonment activities is presented in the following paragraphs.

Permitting and Notifications

The DOE and service station were notified 72 hours before initiating field activities. In addition, the State of Washington's mandatory underground utility locator, One-Call, was notified 72 hours before initiating field activities and requested to mark and delineate underground utilities servicing the site (One-Call Ticket No. 12024269). In addition, Applied Professional Services, Inc. provided onsite, underground utility locating prior to beginning field activities.

Well Abandonment

On February 27, 2012, ESN Northwest (License No. 10486) was retained to provide well abandonment services. Prior to conducting well destruction activities, a Notice of Intent for Wells MW-1, MW-2, MW-3 and MW-4 was submitted to the DOE's Water Resources Program by the drilling contractor as required. Copies of the original (1994) environmental well reports (start cards) for Wells MW-1 and MW-2 are provided in Appendix B. Original start cards for Wells MW-3 and MW-4 were not available from the DOE's Well Log database or from the drilling company that installed the wells. Copies of the Resource Protection Well Report (decommissioning) for the site wells are provided in Appendix C.

Field activities were performed in accordance with the *Site Health and Safety Plan (HASP)*, dated April 18, 2011. Before commencing field activities, a daily "tailgate" health and safety meeting was conducted with Environ Strategy personnel and contracted employees. Just prior to abandonment, the total depth of the wells were measured and recorded. Wells MW-1 and MW-2 were abandoned by backfilling with bentonite chips and removing the well box. Wells MW-3 and MW-4 were over-drilled and then backfilled with bentonite chips (Figure 2). The surface at each well was patched to match the surrounding area. Representative photographs are contained in Appendix D.

Well Abandonment Report

Site 01-308
Auburn, Washington

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April 4, 2012

Waste Management

The well boxes and a minor amount of concrete were the only debris generated during abandonment activities. ESN Northwest removed the debris for recycling and disposal.

SUMMARY DATA

Well Destruction Details

Destruction Date: February 27, 2012
Destroyed Wells: Four (4) monitoring wells: MW-1, MW-2, MW-3 and MW-4
Destruction Method: MW-1 and MW-2 backfill with hydrated bentonite chips; MW-3 and MW-4 over-drill and backfill with hydrated bentonite chips
Soil/Water Disposal: Not applicable

CLOSURE

Environ Strategy is pleased to be of service to PC&F and the DOE. If there are questions regarding this report or if additional information is required, please do not hesitate to contact Environ Strategy at (714) 919-6500.

ATTACHMENTS:

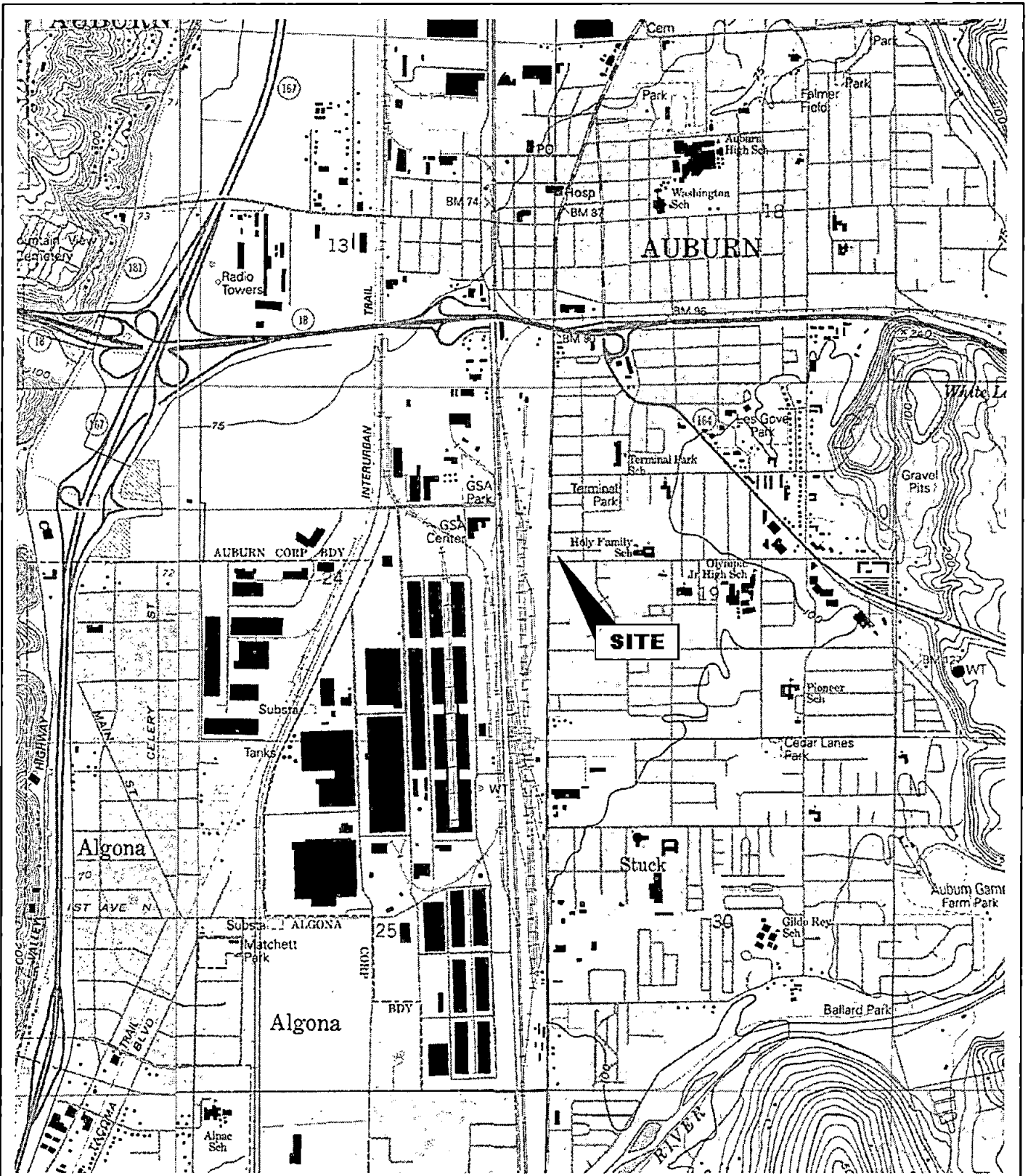
FIGURES

Figure 1: Site Location Map
Figure 2: Site Plan

APPENDICES

Appendix A: DOE No Further Action Correspondence
Appendix B: Environmental Well Reports for MW-1 and MW-2
Appendix C: Resource Protection Well Reports – MW-1 through MW-4
Appendix D: Photographs of the Well Abandonment

FIGURES



Map: Maptech Terrain Navigator, Std Ed.
 San Juan Island/Olympic Peninsula/
 Sea-Tac (WA)
 47°17'38"N 122°13'42"W

es
 environ strategy consultants, inc.
 1036 W. Taft Avenue, Suite 200
 Orange, California 92865



0 2000

APPROX. SCALE: 1" = 2000'

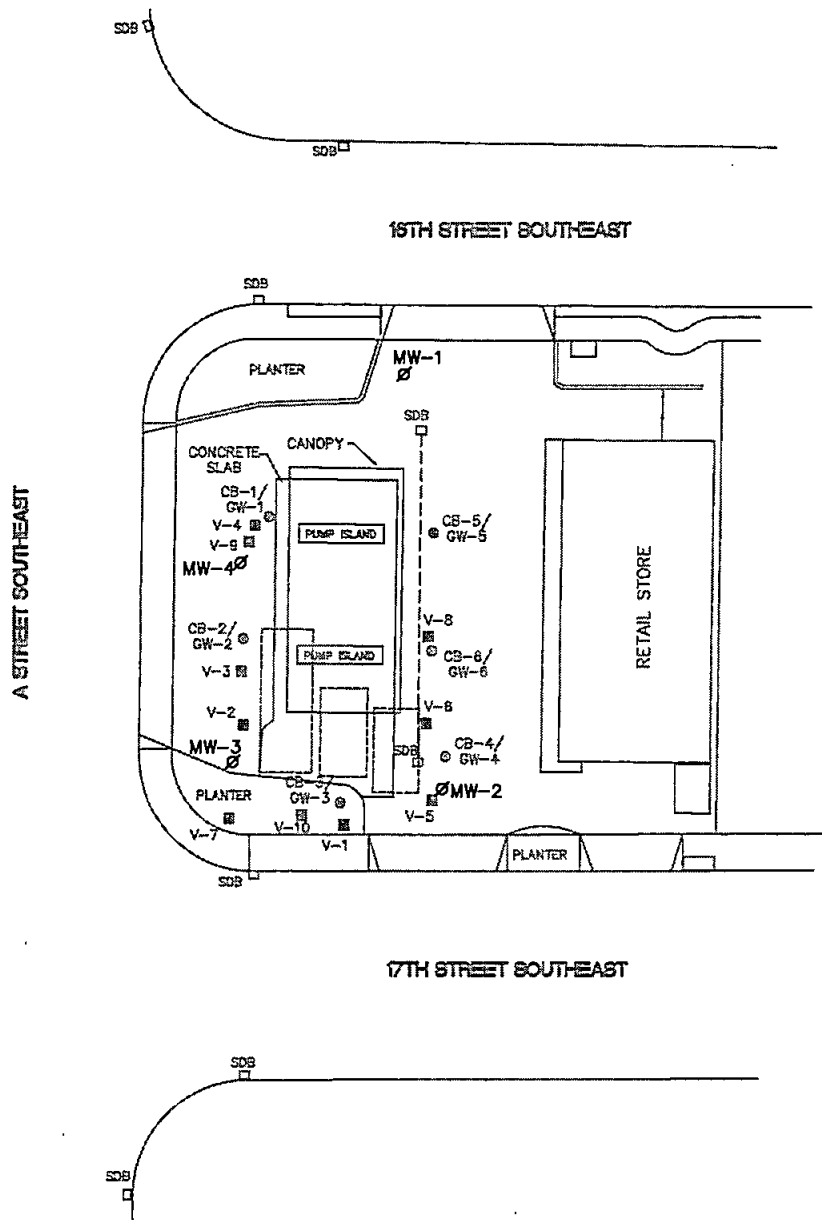
FIGURE 1
SITE LOCATION MAP

Pacific Convenience & Fuels
 Site #01-308
 1602 A Street S.E.
 Auburn, Washington

DATE
 4/4/12

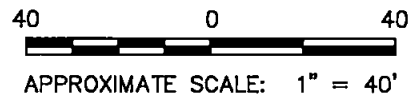
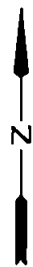
PROJECT NO.
 627

FILE NO.
 627F1-SLM



LEGEND

- MW-1 Abandoned Monitoring Well
- CB-1/GW-1 Confirmation Soil Boring/Groundwater Sample Location
- V-1 Soil Vapor Probe Location
- SDB Storm Drain Basin
- - - Storm Drain Drainage
- Underground Storage Tank



**FIGURE 2
SITE PLAN**

environ strategy consultants, inc.

1036 W. Taft Avenue, Suite 200
Orange, California 92865

Pacific Convenience & Fuels #01-308
1602 A Street Southeast
Auburn, Washington

DATE
4/4/12

PROJECT NO.
627

FILE NO.
627F2-SP

APPENDIX A

DOE No Further Action Correspondence



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

October 24, 2011.

Mr. Walter Sprague
Pacific Convenience & Fuels, LLC
2603 Camino Ramon, Suite 350
San Ramon, CA 94583

Re: No Further Action at the following Site:

- Name: Time Oil Co. Facility 01-308
- Address: 1602 'A' Street SE, Auburn, Washington
- Facility/Site No.: 17223135
- VCP No.: NW2296 (formerly NW1495)

Dear Mr. Sprague:

The Washington State Department of Ecology (Ecology) received your request for an opinion on your independent cleanup of the Time Oil Co. Facility 01-308 facility (Site). This letter provides our opinion. We are providing this opinion under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

Issue Presented and Opinion.

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

NO. Ecology has determined that no further remedial action is necessary to clean up contamination at the Site.

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

Description of the Site

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

- Gasoline-range petroleum hydrocarbons (tph-g) in Soil and groundwater.



Mr. Walter Sprague

October 24, 2011

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

Please note a parcel of real property can be affected by multiple sites. At this time, we have no information that the parcel(s) associated with this Site are affected by other sites.

Basis for the Opinion

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

1. *Request for VCP Review, Time Oil Co. Facility 01-308, D's Food Mart*, June 13, 2005, letter from Time Oil Co. to Ecology
2. *Request for Site Closure, Time Oil Co. Facility 01-308, D's Food Mart*, April 29, 1996, letter from Time Oil Co. to Ecology
3. *December 1995 – Groundwater Monitoring Report – Auburn, Washington, Site #01-308*, February 16, 1996, Emcon Northwest, Inc.
4. *June and September 1995 – Groundwater Monitoring Report – Auburn, Washington, Site #01-308*, December 5, 1995, Emcon Northwest, Inc.
5. *March 1995 – Groundwater Monitoring Report – Auburn, Washington, Site #01-308*, December 5, 1995, Emcon Northwest, Inc.
6. *Site Plan, Sewer Repair*, March 21, 1995, Time Oil Co.
7. *Drilling and Groundwater Sampling Report, Time Oil Company Property Number 01-308*, March 6, 1995, Emcon Northwest, Inc.
8. *Soil Vapor Survey Report for Time Oil Project, Auburn, Washington*, undated, but text references December 2003 activity, Transglobal Environmental Geosciences Northwest, Inc.
9. *Project Summary, Time Oil Co. Property No. 01-308*, undated but transmits May, 2003 analytical reports from Analytical Technologies, Inc., author not specified but appears to be Time Oil Co.
10. Further Action Determination, dated October 6th 2005, Ecology

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October 24, 2011
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11. Opinion Letter on previously reviewed reports and Further Action Required letter, dated September 28th 2010, Ecology.
12. Focused Phase II Site Assessment and Groundwater Monitoring Report, Dated May 11th 2011, prepared by Environ Strategy Consultants.

Those documents are kept in the Central Files of the Northwest Regional Office of Ecology (NWRO) for review by appointment only. You can make an appointment by calling the NWRO resource contact at 425.649.7239.

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

Analysis of the Cleanup

Ecology has concluded that **no further remedial action** is necessary to clean up contamination at the Site. That conclusion is based on the following analysis:

1. Characterization of the Site.

Ecology has determined your characterization of the Site is sufficient to establish cleanup standards and select a cleanup action. The Site is described above and in **Enclosure A**.

2. Establishment of cleanup standards.

Ecology has determined the cleanup levels and points of compliance you established for the Site meet the substantive requirements of MTCA.

Current Site uses include businesses to which the public has access; therefore unrestricted land use is the appropriate basis for development of soil cleanup levels. The following potential exposure/risk pathways were appropriate to consider:

- Human health protection from direct soil contact pathway exposure
- Human health protection from soil-to-groundwater pathway exposure
- Human health protection from soil-to-air pathway exposure
- Human health protection from soil-to-surface water pathway exposure
- Terrestrial ecological protection

Mr. Walter Sprague

October 24, 2011

Page 4

Because the site has relatively few contaminants, Method A was used to develop cleanup levels for the Site contaminants of concern.

Soil cleanup levels were selected as the WAC 173-340 Method A Table 740-1 values of 30 mg/kg for Gasoline-Range Organics, 0.03 mg/kg for Benzene, 7 mg/kg for Toluene, 6 mg/kg for Ethylbenzene, 9 mg/kg for Xylenes, 2,000 mg/kg for Diesel-Range Organics, and 2,000 mg/kg for Oil-Range Organics.

Groundwater cleanup levels were selected as the WAC 173-340 Method A Table 720-1 values of 800 ug/l for Gasoline Range Organics, 5 ug/l for Benzene, 1,000 ug/l for Toluene, 700 ug/l for Ethylbenzene, and 1,000 ug/l for Xylenes.

The point of compliance for soil is throughout the site, which is a standard point of compliance.

The point of compliance for groundwater is throughout the site, which is a standard point of compliance.

3. Selection of cleanup action.

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

The selected cleanup action consisted of excavation and transportation off-site for disposal of all petroleum contaminated soil above cleanup levels. Quarterly groundwater compliance monitoring was then initiated.

4. Cleanup.

Ecology has determined the cleanup you performed meets the cleanup standards established for the Site.

In 1993, a Stage II Vapor Recovery System was installed at the Site. During the system upgrade activities, the tops of the USTs were exposed and hydrocarbon-affected soil was encountered. Approximately 80 cubic yards of hydrocarbon-affected soil were excavated and removed offsite for disposal. Soil samples collected from the stockpiles contained total petroleum hydrocarbons quantified as gasoline (TPHg) at levels up 14,000 milligrams per kilogram (mg/kg), exceeding the Washington State Model Toxics Control Act (MTCA) Model A cleanup level (cleanup level) for soil. Benzene, toluene, ethylbenzene, total xylenes (BTEX) and total lead were also detected in the stockpiled soil at concentrations exceeding the applicable MTCA cleanup levels. Total petroleum

hydrocarbons quantified as diesel (TPHd) was not detected in soil. Additionally, four soil samples collected from beneath the dispensers (PI-1 through PI-4) contained TPHg, BTEX and total lead below MTCA cleanup levels. Soil samples were not collected from the UST cavity while the tops of the tanks were exposed. The maximum depth excavated during upgrade activities was approximately 4 feet below ground surface (bgs). The dispenser sample locations are shown on Figure 3. Additional analytical results are provided in the Project Summary, Time Oil Co. Property No. 01-305: Transmittal of Analytical Reports provided by TOC.

The exact date of the release is unknown but the release was reported to Ecology upon discovery (4/30/93). In January 1994, a soil vapor survey was conducted to identify areas potentially affected by the petroleum release and for the placement of assessment borings. Ten vapor points (V-1 through V-10) were advanced to depths between approximately 4 and 12 feet bgs in the vicinity of the UST cavity and dispenser islands (Figure 2). 23 vapor samples were collected at varying depths and analyzed for total volatile hydrocarbons (TVH) and BTEX. TVH concentrations were detected at V-4 at 12 feet bgs [8.7 parts per million per volume (ppmv)] and V-8 at 8 feet bgs (7.7 ppmv). The soil vapor survey activities and analytical results are summarized in the *Soil Vapor Survey Report*, undated but prepared by Transglobal Environmental Geosciences Northwest, Inc.

In April 1994, four groundwater monitoring wells (MW-1 through MW-4) were installed at the Site. Analytical results for soil samples collected during the assessment indicated that TPHg, BTEX and total lead concentrations were below method reporting limits in all samples analyzed (Figure 2). The MRLs were below the applicable MTCA cleanup levels for soil. Based on the assessment, groundwater was determined to be present at approximately 23 to 24 feet bgs with groundwater flow generally directed to the east at a gradient of approximately 0.013 foot/foot. Groundwater analytical results for indicated that TPHg and BTEX were non-detect and below applicable MTCA cleanup levels for groundwater. The site assessment results are summarized in the Emcon Northwest, Inc.'s (Emcon) report titled *Drilling and Groundwater Sampling Report*, dated March 6, 1995.

A one-year quarterly monitoring program was implemented at that time to confirm the initial groundwater results.

In response to Ecology's letter dated September 28th 2010, additional investigation was performed at the Site to determine current Site conditions. Analytical results for the confirmation soil samples and the recent groundwater samples, show that hydrocarbon affected soil was effectively removed during remedial excavation activities. Confirmation soil samples collected downgradient of the pump islands and between Wells MW-1 and MW-2 further define the extent of soil impact and show that fuel hydrocarbons are below

cleanup levels or non-detect. Additionally, groundwater samples collected from the confirmation borings and from MW-1 through MW-4 show that dissolved phase fuel hydrocarbons are non-detect.

Listing of the Site

Based on this opinion, Ecology will remove the Site from our Confirmed and Suspected Contaminated Sites List and Leaking Underground Storage Tank List.

Limitations of the Opinion

1. Opinion does not settle liability with the state.

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

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

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

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

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

3. State is immune from liability.

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

Mr. Walter Sprague
October 24, 2011
Page 7

Termination of Agreement

Thank you for cleaning up the Site under the Voluntary Cleanup Program (VCP). This opinion terminates the VCP Agreement governing this project (#NW2296).

For more information about the VCP and the cleanup process, please visit our web site: www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm. If you have any questions about this opinion or the termination of the Agreement, please contact me by phone at 425.649.4446 or e-mail at damy461@ecy.wa.gov.

Sincerely,



Dale R. Myers
Site Manager
NWRO Toxics Cleanup Program

dm/kh

Enclosures (1): A – Description and Diagrams of the Site

cc: Ms. Laura Skow
Environ Strategy
One Technology Drive, Suite B-123
Irvine, California 92618

VCP Financial Manager

Enclosure A

Description and Diagrams of the Site

Site Description

The site is part of a property located at 1602 A Street, Auburn, Washington, King County. The property was originally used for residential purposes, and was developed in 1976 as a retail gasoline service station. This use continues to date. The service station now consists of a store and two pump islands, serviced by three underground gasoline tanks (USTs).

The site comprises an area where contaminated soil was encountered during installation of a vapor recovery system in 1993. The specific area is undefined at present, but is generally at and near the existing USTs.

Nearby land use consists of rail yards and industrial properties to the west and residential housing to the east.

The property is located on the floor of the White/Green River valley. Both rivers enter the valley within about one mile of the site through narrow canyons cut into bordering uplands. The valley floor is relatively flat at only a few tens of feet above sea level, and sediments filling the valley contain a shallow water table aquifer.

Soil encountered during the vapor system installation contained up to 14,000 ppm TPH-g. Soil beneath one of the pump islands also contained 8 ppm TPH-g. Other detected compounds included BETX and diesel-range TPH at concentrations less than applicable MTCA Method A levels.

Eighty (80) cubic yards of soil encountered during the vapor system installation were excavated and disposed of offsite at the Woodworth facility in Tacoma. There was no record of how the limit of excavation was determined, nor of confirmatory samples being obtained from the edges and base of the excavation. The contaminated soil was analyzed for TPH-g and -d, BETX, lead, and PCBs. Four (4) other samples were obtained from beneath the pump islands (depth not known) and analyzed in a similar manner.

A site assessment was conducted in late 1993 and early 1994. It included a soil vapor survey and the installation of four ground water monitoring wells. These wells were subsequently monitored for four quarters – no compounds were detected above the detection limit except lead. Total lead was consistently detected above the MTCA cleanup level, likely due to turbidity; dissolved lead concentrations were almost always undetectable.

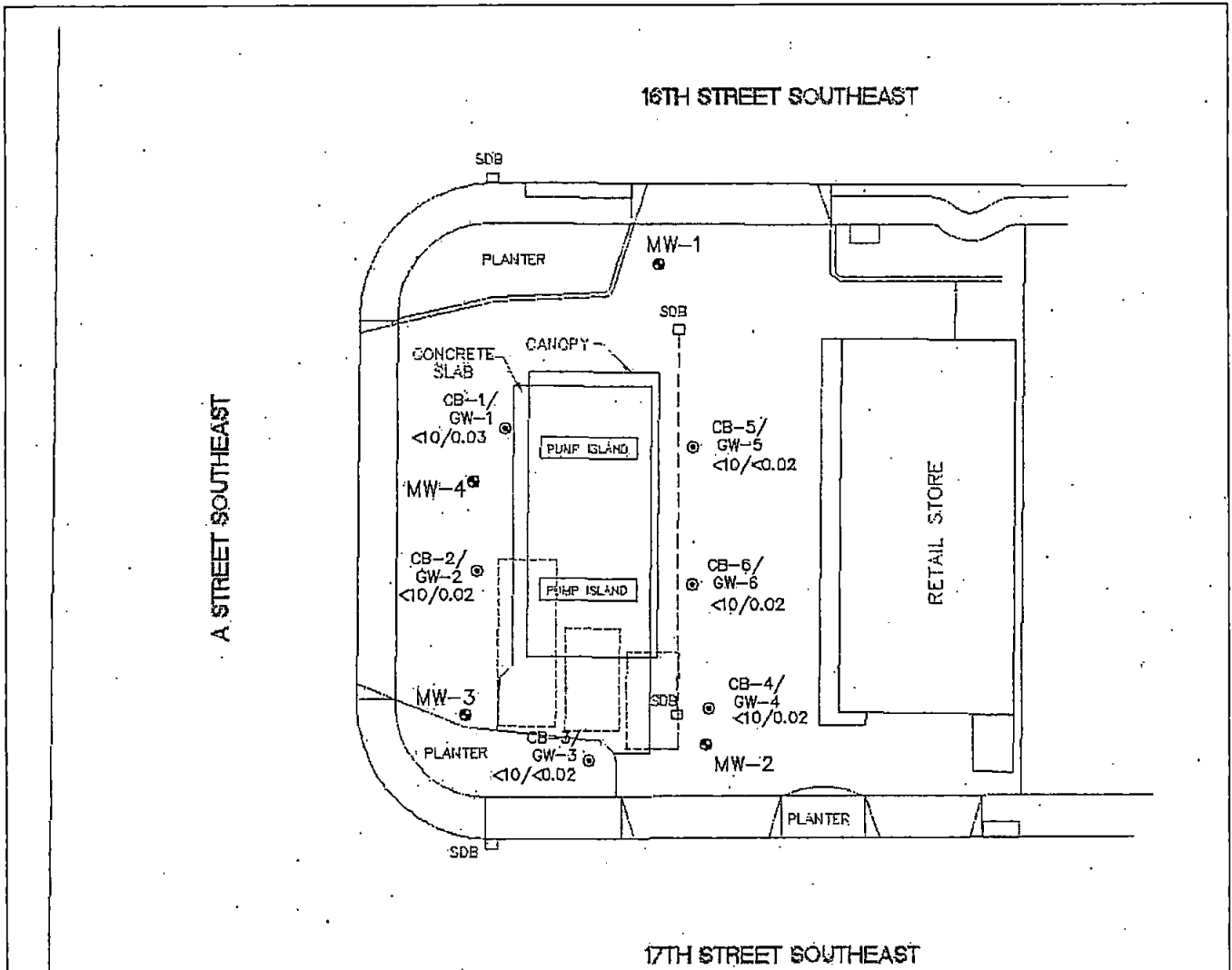
In response to Ecology's letter dated September 28th 2010, additional investigation was performed at the Site to determine current Site conditions. Analytical results for the confirmation soil samples and the recent groundwater samples, show that hydrocarbon affected soil was effectively removed during remedial excavation activities. Confirmation soil samples collected downgradient of the pump islands and between Wells MW-1 and

Mr. Walter Sprague
October 24, 2011
Page 2

MW-2 further define the extent of soil impact and show that fuel hydrocarbons are below cleanup levels or non-detect. Additionally, groundwater samples collected from the confirmation borings and from MW-1 through MW-4 show that dissolved phase fuel hydrocarbons are non-detect.

Mr. Walter Sprague
October 24, 2011
Page 3

Site Diagrams



LEGEND

MW-1 ● Monitoring Well Location

CB-1/GW-1 ● Confirmation Soil Boring/Groundwater Sample Location

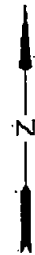
TPH-Gx Total Petroleum Hydrocarbon quantified as Gasoline

<100/<0.02 Highest detection of TPH-Gx/Benzene in soil in milligram per kilogram (mg/kg). See Table 1 for depth of sample collection.

SDB □ Storm Drain Basin

--- Storm Drain Drainage

⌚ Underground Storage Tank



30 0 30

APPROXIMATE SCALE: 1" = 30'

environ strategy consultants, inc. 

One Technology Drive, Suite B-123
Irvine, California 92618

**FIGURE 3
SOIL ANALYTICAL RESULTS**

Pacific Convenience & Fuels #01-308
1602 A Street Southeast
Auburn, Washington

DATE
5/05/11

PROJECT NO.
627

FILE NO.
627F3-SAR

One Technology Drive, Suite B-123
Irvine, California 92618



environ strategy consultants, inc.

GROUNDWATER CONTOUR MAP

April 21, 2011

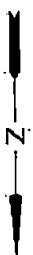
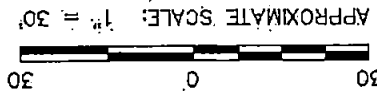
FIGURE 4

FILE NO.
627F4-GCM

PROJECT NO.
627

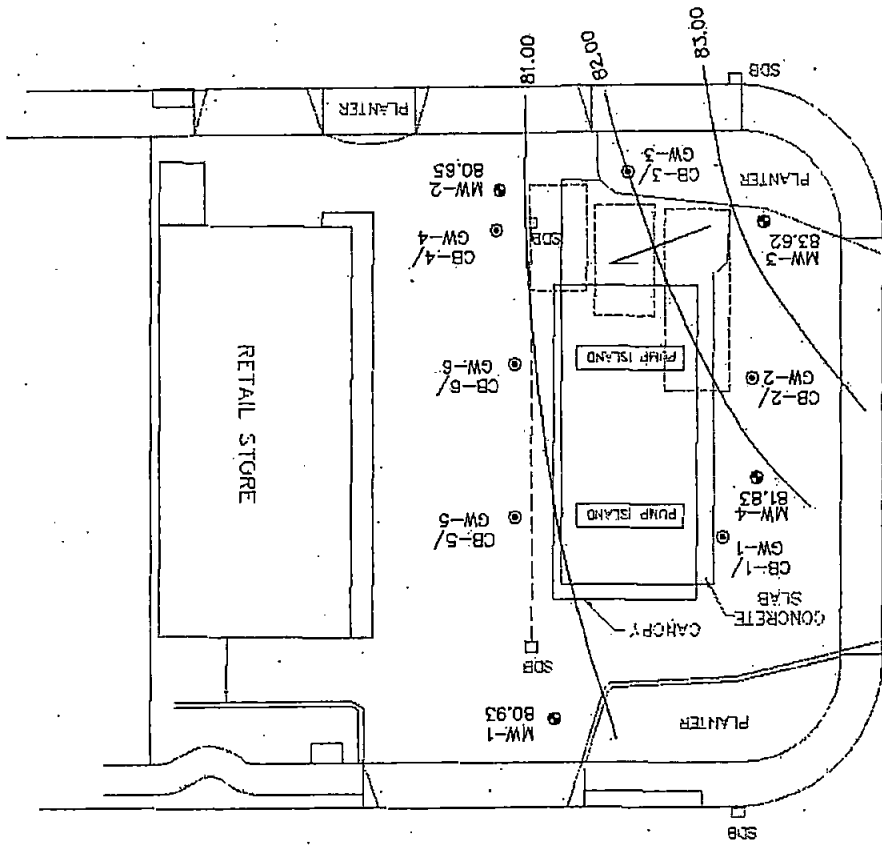
DATE
5/05/11

Pacific Convenience & Fuels #01-308
1602 A Street Southeast
Auburn, Washington



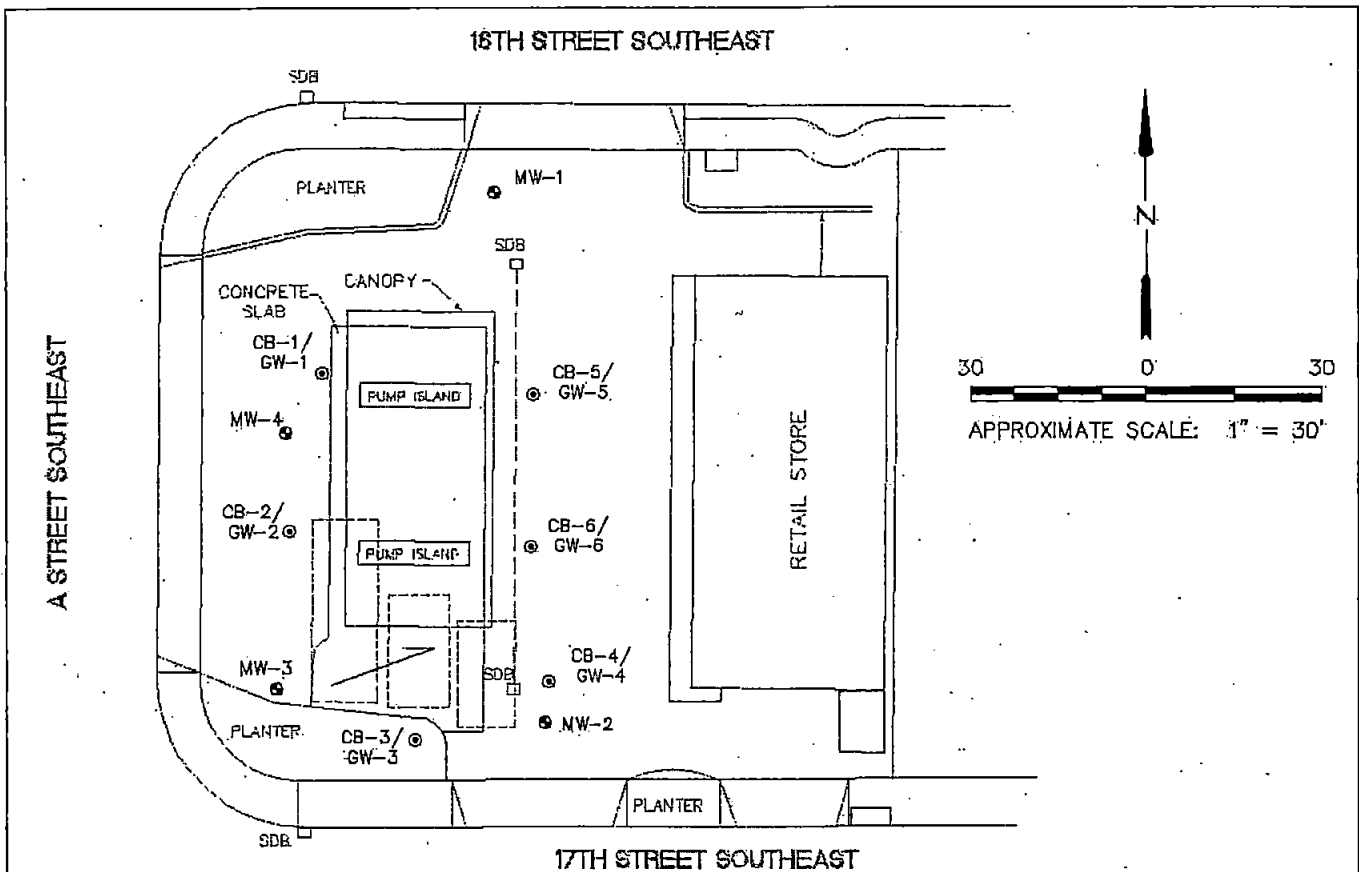
- LEGEND**
- MW-1 Monitoring Well Location
 - CB-1/ Confirmation Soil Boring/Groundwater Sample Location
 - TPH-Gx Total Petroleum Hydrocarbon quantified as Gasoline
 - 83.62 Measured Groundwater Elevation in Feet, AMSL
 - Groundwater Elevation Contour
 - Approximate Groundwater Flow Direction
 - SDB Storm Drain Basin
 - Storm Drain Drainage
 - Underground Storage Tank

17TH STREET SOUTHEAST



A STREET SOUTHEAST


16TH STREET SOUTHEAST



WELL ID	SAMPLE DATE	ANALYTICAL PARAMETERS							
		TPH-Dx (ug/L)	TPH-Ox (ug/L)	TPH-Gx (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	Lead (ug/L)
GW-1	4/19/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	3.1
GW-2	4/19/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	3.0
GW-3	4/19/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	3.9
GW-4	4/19/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	5.0
GW-5	4/20/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	5.5
GW-6	4/20/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	2.0
MW-1	4/21/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	<1.0
MW-2	4/21/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	<1.0
MW-3	4/21/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	<1.0
MW-4	4/21/11	<250	<500	<100	<1.0	<1.0	<1.0	<3.0	<1.0
Cleanup Goal		500	500	800	5	1000	700	1000	15

- LEGEND**
- MW-1 ● Monitoring Well Location
 - CB-1/GW-1 ● Confirmation Soil Boring/Groundwater Sample Location
 - TPH-Dx Total diesel-range petroleum hydrocarbons
 - TPH-Ox Total lube oil-range petroleum hydrocarbons
 - TPH-Gx Total gasoline-range petroleum hydrocarbons
 - B Benzene
 - T Toluene
 - E Ethylbenzene
 - X Total Xylene
 - Approximate Groundwater Flow Direction
 - SDB □ Storm Drain Basin
 - Storm Drain Drainage
 - Underground Storage Tank

Note: Concentrations are in micrograms per Liter (µ/L).

 One Technology Drive, Suite B-123 Irvine, California 92618	FIGURE 5 GROUNDWATER ANALYTICAL RESULTS April 19, 20 and 21, 2011	DATE: 5/05/11
	Pacific Convenience & Fuels #01-308 1602 A Street Southeast Auburn, Washington	PROJECT NO. 627
	FILE NO. 627F5-GAM	

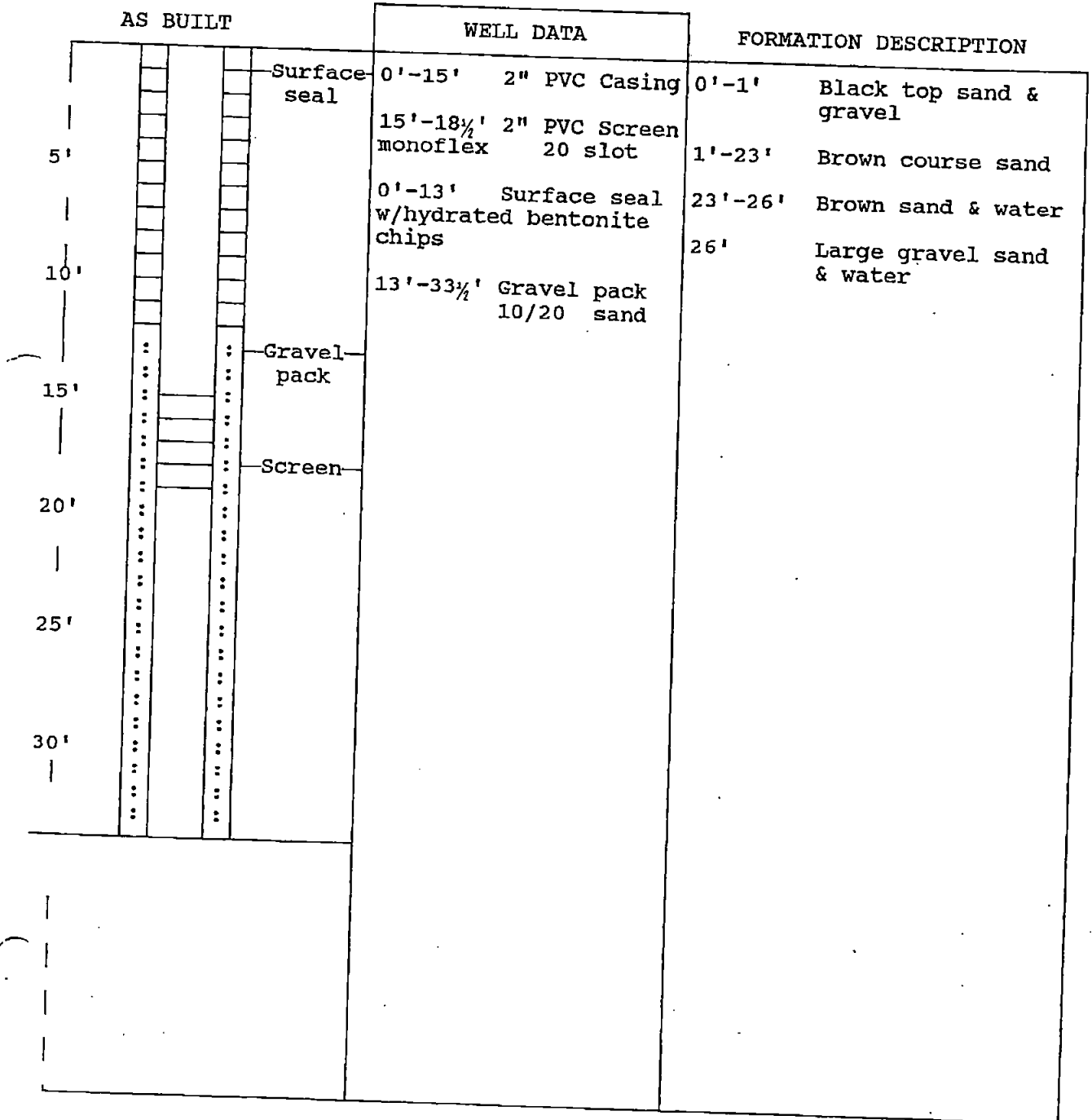
APPENDIX B

Environmental Well Reports for MW-1 and MW-2

ENVIRONMENTAL WELL REPORT

PROJECT NAME: TIME OIL/AUBURN WAY
 WELL IDENTIFICATION NO. A 855 MW1
 DRILLING METHOD: HOLLOW STEM AUGER
 DRILLER: WAYNE LOGSDON
 FIRM: HAYES DRILLING, INC.
 SIGNATURE: *John Bertrand*
 CONSULTING FIRM: EMCON NW
 REPRESENTATIVE: JOHN BERTRAND

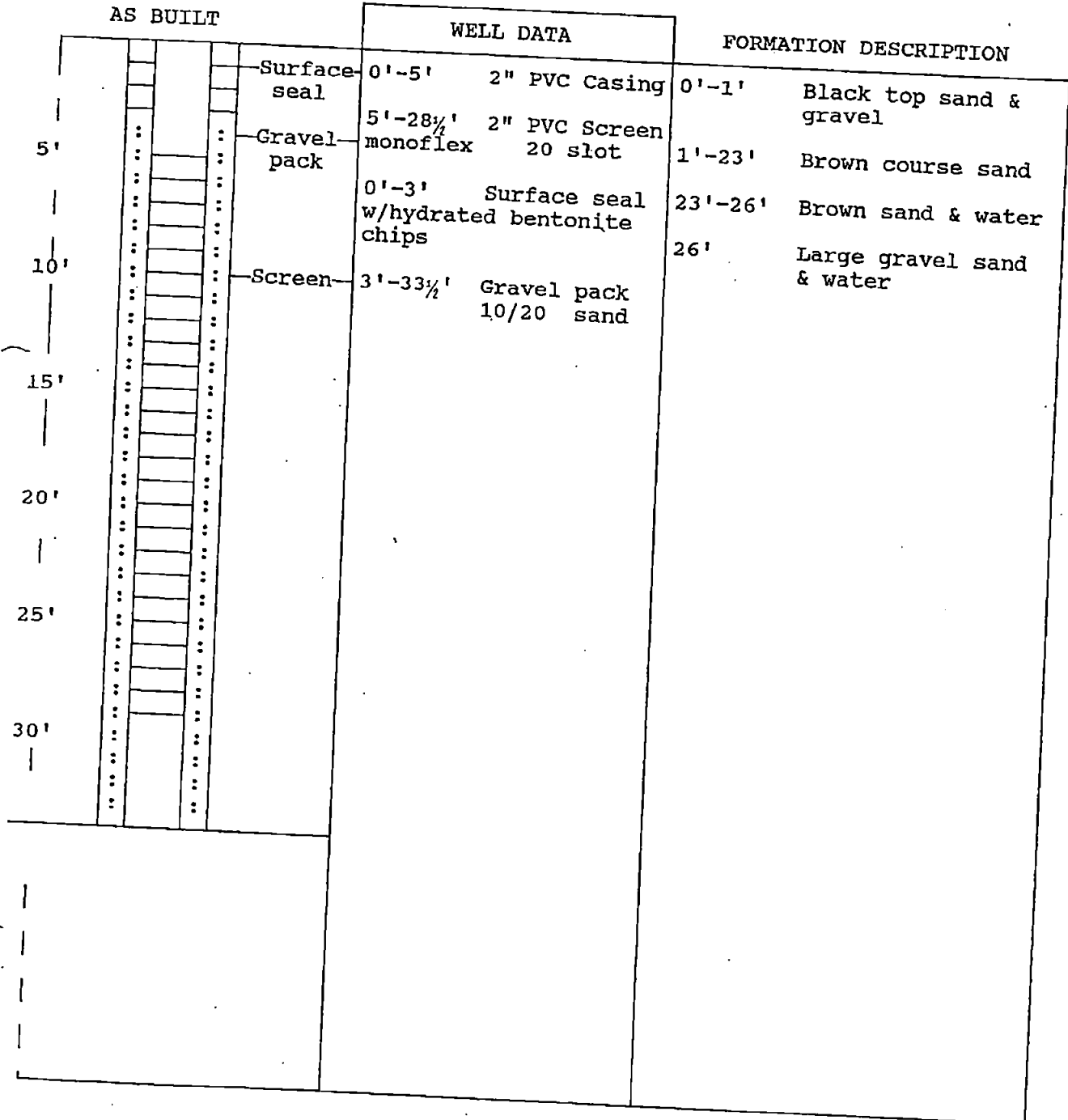
START CARD NO: R09155
 LOCATION: T 21 R 5E SEC 19
 DISTANCE: SW ¼
 NW ¼
 DATUM: 2" COMPLETION
 WATER LEVEL ELEVATION:
 INSTALLED: 04/13/94
 DEVELOPED: 04/13/94
 DEPTH DRILLED: 33½' COMPLETED: 33½'



ENVIRONMENTAL WELL REPORT

PROJECT NAME: TIME OIL/AUBURN WAY
 WELL IDENTIFICATION NO. A 855 MW2
 DRILLING METHOD: HOLLOW STEM AUGER
 DRILLER: WAYNE LOGSDON
 FIRM: HAYES DRILLING, INC.
 SIGNATURE: *[Signature]*
 CONSULTING FIRM: EMCON NW
 REPRESENTATIVE: JOHN BERTRAND

START CARD NO: R09155
 LOCATION: T 21 R 5E SEC 19
 DISTANCE: SW ¼
 NW ¼
 DATUM: 2" COMPLETION
 WATER LEVEL ELEVATION:
 INSTALLED: 04/13/94
 DEVELOPED: 04/13/94
 DEPTH DRILLED: 33½' COMPLETED: 33½'



APPENDIX C

Resource Protection Well Reports – MW-1 through MW-4

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

443439

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE16404

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

RO9155

Property Owner Pacific Convenience & Fuels

Site Address 1602 A Street SE

City Auburn County King

Location SW1/4-1/4 NW1/4 Sec 19 Twn 21 R 05

EWM or WWM

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

still REQUIRED) Long Deg _____ Min _____ Sec _____

Tax Parcel No. 1018000165

Cased or Uncased Diameter 8" Static Level 20'

Work/Decommission Start Date 2/29/12

Work/Decommission Completed Date 2/29/12

Consulting Firm _____

Unique Ecology Well IDTag No. MW-1

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

Driller Engineer Trainee

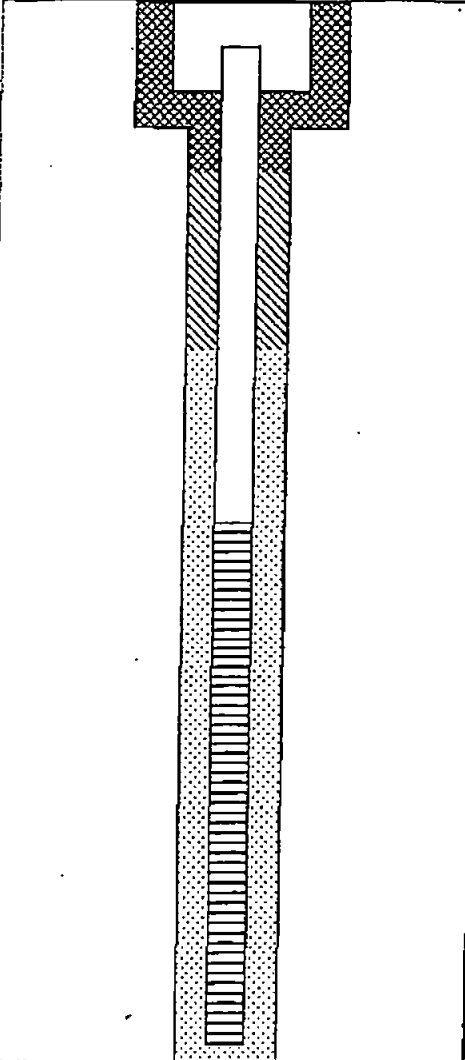
Name (Print Last, First Name) Trujillo, Carlos

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 3014

If trainee, licensed driller's Signature and License Number:

Construction Design



Well Data

MONUMENT TYPE:

8" x 12"

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 30'

Formation Description

FORMATION NOT OBSERVED - WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

WELL WAS CHIPPED/GROUTED IN PLACE

ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP



SCALE: 1"= _____ PAGE _____ OF _____

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

443440

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE16404

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

R 09155

Property Owner Pacific Convenience & Fuels

Site Address 1602 A Street SE

City Auburn County King

Location SW1/4-1/4 NW1/4 Sec 19 Twn 21 R 05

EWM or WWM

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

still REQUIRED) Long Deg _____ Min _____ Sec _____

Tax Parcel No. 1018000165

Cased or Uncased Diameter 8" Static Level 20'

Work/Decommission Start Date 2/29/12

Work/Decommission Completed Date 2/29/12

Consulting Firm _____

Unique Ecology Well IDTag No. MW-2

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

Driller Engineer Trainee

Name (Print Last, First Name) Trujillo, Carlos

Driller/Engineer/Trainee Signature [Signature]

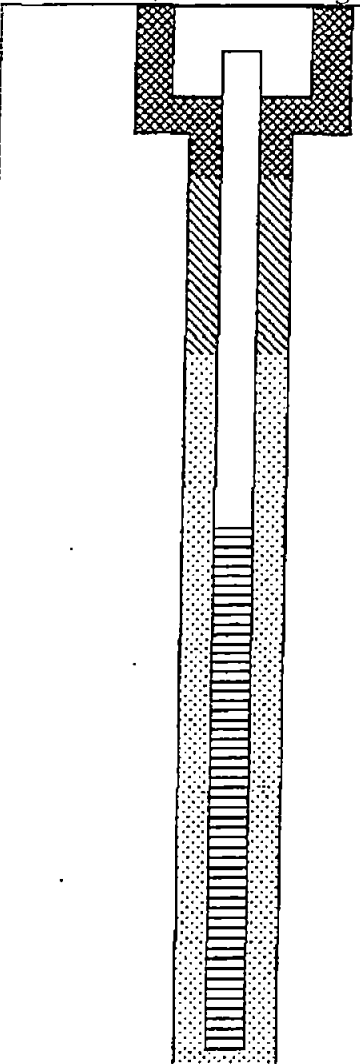
Driller or Trainee License No. 3014

If trainee, licensed driller's Signature and License Number:

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" x 12"

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 30'

FORMATION NOT OBSERVED - WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

WELL WAS CHIPPED/GROUTED IN PLACE

ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP



SCALE: 1"= _____ PAGE _____ OF _____

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

443441

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE16404

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number: _____

Consulting Firm _____

Unique Ecology Well ID Tag No. None found

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

- Driller Engineer Trainee

Name (Print Last, First Name) Trujillo, Carlos

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 3014

If trainee, licensed driller's Signature and License Number: _____

Property Owner Pacific Convenience & Fuels

Site Address 1602 A Street SE

City Auburn County King

Location SW1/4-1/4 NW1/4 Sec 19 Twn 21 R 05

EWM or WWM

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

Long Deg _____ Min _____ Sec _____

Tax Parcel No. 1018000165

Cased or Uncased Diameter 8" Static Level 20'

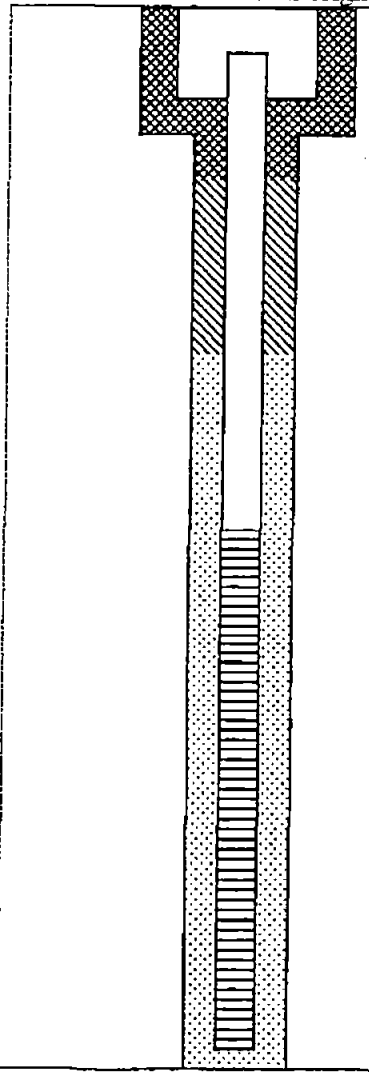
Work/Decommission Start Date 2/29/12

Work/Decommission Completed Date 2/29/12

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" x 12"

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 33'

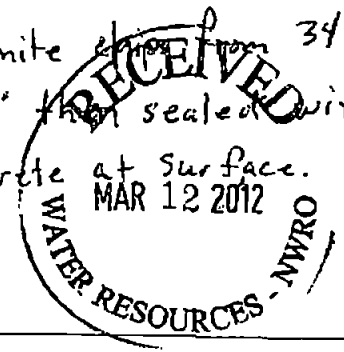
FORMATION NOT OBSERVED - WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

WELL WAS CHIPPED/GROUTED IN PLACE

ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP

Well was over drilled with 8" Auger 1' past well depth. 3/8" bentonite added from 34' to 1' then sealed with concrete at surface.



SCALE: 1"= _____ PAGE _____ OF _____

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

443442

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE16404

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- Construction
- Decommission

Type of Well ("x" in box)

- Resource Protection
- Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number: _____

Consulting Firm _____

Unique Ecology Well IDTag No. None Found

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

Driller Engineer Trainee
 Name (Print Last, First Name) Trujillo, Carlos
 Driller/Engineer /Trainee Signature [Signature]
 Driller or Trainee License No. 3014

If trainee, licensed driller's Signature and License Number: _____

Property Owner Pacific Convenience & Fuels

Site Address 1602 A Street SE

City Auburn County King

Location SW1/4-1/4 NW1/4 Sec 19 Twn 21 R 05

EWM or WWM

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

Tax Parcel No. 1018000165

Cased or Uncased Diameter 8" Static Level 20'

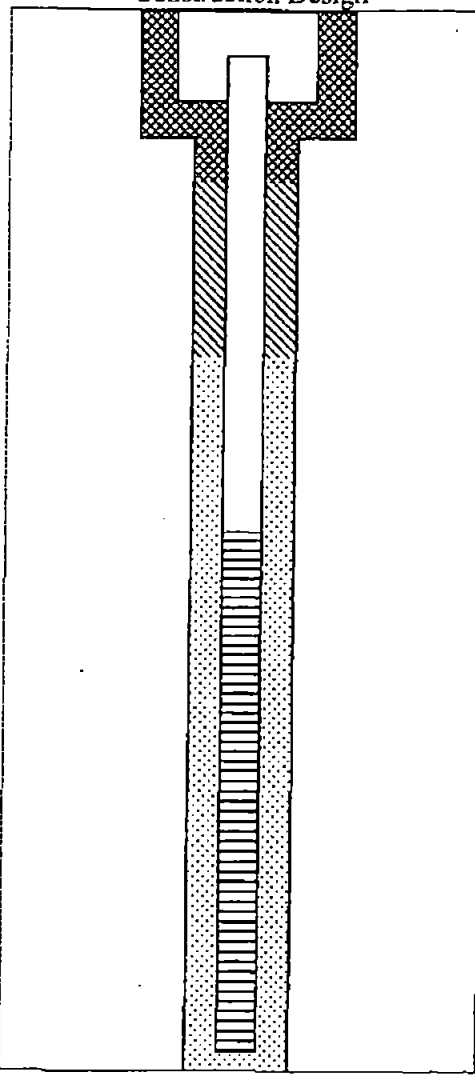
Work/Decommission Start Date 2/29/12

Work/Decommission Completed Date 2/29/12

Construction Design

Well Data

Formation Description



MONUMENT TYPE: 8"x12"

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 35'

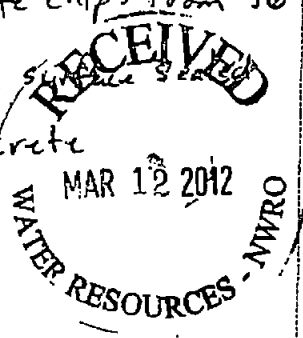
FORMATION NOT OBSERVED - WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES NO

WELL WAS CHIPPED/GROUTED IN PLACE

ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP

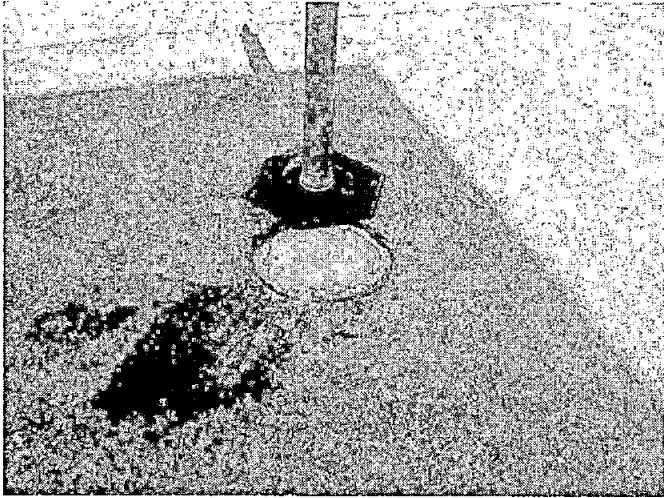
Well was over drilled with
 8" Auger 1' past well depth
 3/8" bentonite chips from 36'
 to 1' then surface sealed
 with concrete



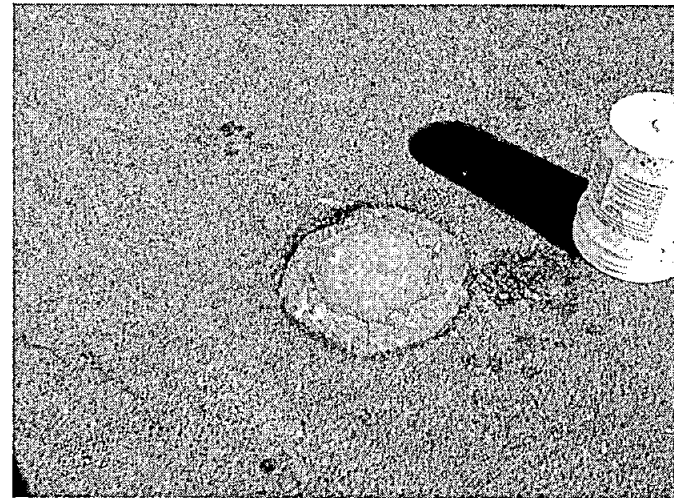
SCALE: 1"= _____ PAGE _____ OF _____

APPENDIX D

Photographs of Well Abandonment



MW-1 after grouting in place



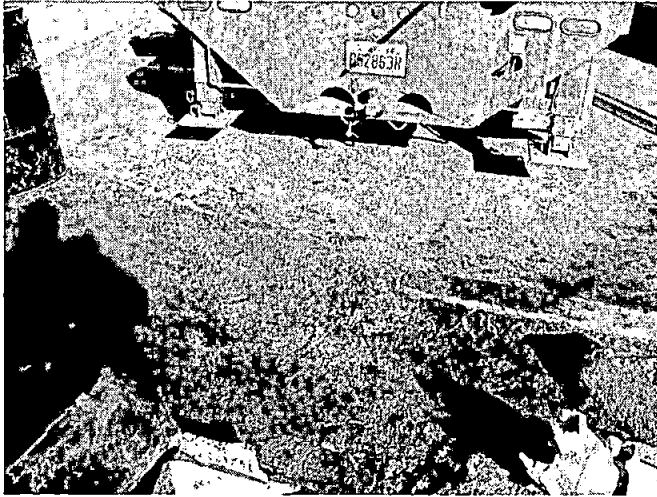
MW-2 after grouting in place



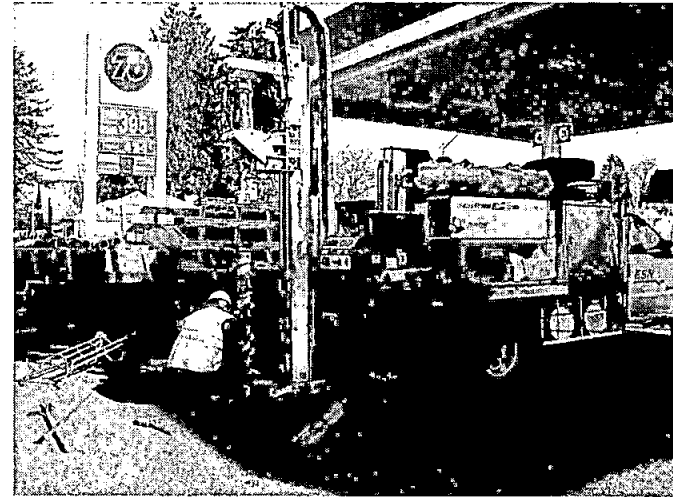
Setting up on MW-3



Well MW-3 in progress, over-drilling



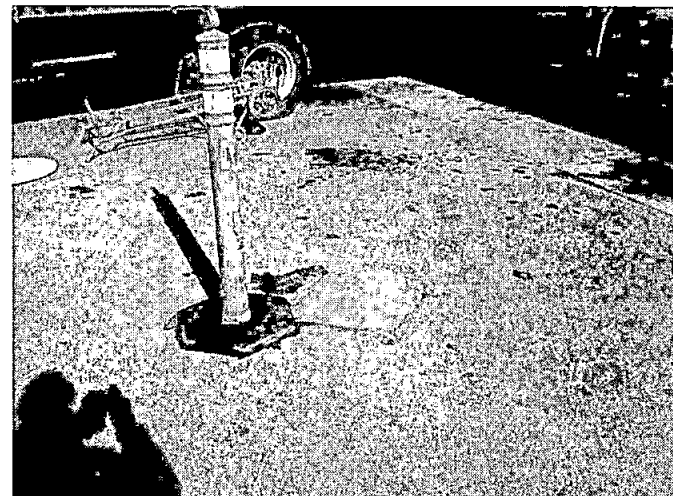
Well MW-3 completed



Well MW-4 in progress, over-drilling



Well MW-4 in progress, over-drilling



Well MW-4 completed