Brookside Deli & Gas 619 Auburn CS ID 11973

UST 97447

Underground Storage Tank Site Check Report

Brookside Deli and Gas - 619 32201 Auburn – Black Diamond Rd Auburn, Washington

November 11, 2010

Prepared For:



WSCO Petroleum Corporation 2929 NW 29th Avenue Portland, Oregon 97210-1705

Prepared By:



White Shield, Inc. 23412 68th Avenue S Kent, WA 98032 253-867-6070 office 253-867-6075 fax Email: <u>wsib@whiteshield.com</u> http: <u>www.whiteshield.com</u>



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Executive Summary

White Shield Inc. (WSI) performed a Site Check and oversaw the excavation and disposal of approximately 24 tons (17 cubic yards) of petroleum-contaminated soil from a gasoline release at the Brookside Deli and Gas #619 site located at 32201 Kent – Black Diamond Road, Auburn, Washington. This work was performed for WSCO Petroleum of Portland, Oregon. The release occurred when a fuel distribution line was punctured during maintenance on the tank system's cathodic protection system. It was estimated that approximately 10 gallons of unleaded gasoline were released into the "tank pit". The tank system consists of three USTs, two USTs contain gasoline and one UST contains Diesel fuel.

The site check is required by Washington Administrative Code (WAC) 173-360. This report is prepared consistent with WAC 173-360 and the Washington State Department of Ecology (Ecology) "Guidance for Site Checks and Site Assessments for Underground Storage Tanks" (Ecology, 2003). It documents the activities that occurred at the site with regard to the excavation and disposal of soils contaminated because of the release.

The fuel distribution pipe from the regular unleaded gasoline UST was punctured during routine maintenance on the tank system's cathodic protection system. Before White Shield initially arrived at the site, the tank system was turned off and the leaking pipe repaired. White Shield oversaw the removal of approximately 24 tons (17 cubic yards) of soil from around the UST. This soil was transported to Regional Disposal Company for disposal at the Roosevelt Regional Landfill in Roosevelt, Washington.

Following excavation of as much soil that could be safely removed without compromising the integrity of the remaining tanks and tank system, soil samples were collected from:

- The base of the excavation around the perimeter of the tank at a depth of 7 to 11 feet below ground surface (bgs),
- The sidewalls of the excavation $4\frac{1}{2}$ to 6 feet bgs, and
- The excavation stockpile.

Each sample was collected using appropriate methods for the analysis to be performed and placed into laboratory-provided collection jars. The samples were collected using the EPA Method 5035 protocol. Sample containers were sealed, labeled, and delivered to an on-site mobile laboratory operated by Libby Environmental Chemistry Laboratory of Olympia, Washington, a Washington State Department of Ecology accredited laboratory. Each sample was analyzed for:

- Gasoline Range Organics by NWTPH-Gx
- Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX) by EPA Method 8021B

Eleven samples were analyzed. Analytical results of the samples collected from the tank excavation revealed the presence of petroleum hydrocarbons above the MTCA Method A Cleanup levels for benzene. The levels of toluene, ethylbenzene, and xylenes were all below the MTCA cleanup levels. The analytical results for total petroleum hydrocarbons in the gasoline range did not exceed the MTCA cleanup levels.

Because WSCO Petroleum desired to re-open the fueling station, the excavation was backfilled. The backfill consisted of the imported clean pea-gravel fill material. The site was then graded in preparation

for repaying. This backfilling is considered a temporary measure until WSCO Petroleum determines what the remedial action for this site will be to address the remaining contamination.

It is recommended that WSCO Petroleum coordinate with the Washington State Department of Ecology and enter Ecology's voluntary cleanup program.

Dave Polivka, LG, LHG Environmental Services Manager Ecology Licensed/Registered Site Assessor

1.0 Introduction

White Shield, Inc. (WSI) has prepared this underground storage tank (UST) site check report to document activities that occurred during the repair of an underground fuel distribution line from an unleaded gasoline storage tank at the Brookside Deli and Gas #619 Site located at 32201 Kent – Black Diamond Road, Auburn, Washington (Figure 1). This report was prepared for WSCO Petroleum Corporation and is being provided to the Washington State Department of Ecology to satisfy WAC 173-360. The UST site check activities were completed in accordance with the documents identified below published by the Washington State Department of Ecology (Ecology). In addition, the Ecology UST Site Check/Assessment Checklist is presented in Appendix A.

Relevant Publications:

- Guidance for Site Checks and Site Assessments for Underground Storage Tanks (Ecology, 2003);
- The Model Toxics Control Act Cleanup Regulation, Chapter 173-340 WAC

On September 8, 2010, White Shield was notified that a fuel distribution line had been punctured by a contractor working on the cathodic protection system for the 12,000 gallon unleaded gasoline tank at the site.

It was reported that the tank system was shut down immediately upon discovery of the leak and approximately 10 gallons of gasoline were released into the backfill of the tank. The release was reported by telephone to Mr. Luis Buen Abad at the Department of Ecology Northwest Regional Office on September 8, 2010.

The project scope was:

- To provide oversight of the removal of contaminated backfill
- To sample the soil that was removed for disposal,
- To sample the soil remaining in the excavation, and
- To prepare this report.

1.1 Site Location and Description

The subject property is located in King County, Washington, at 32201 Kent - Black Diamond Road in the City of Auburn. The property consists of one parcel, Parcel 1821069085 (Figure 2). This area consists of mixed commercial and residential properties. According to the King County Department of Assessments, the parcel is 0.94 acres in size and there is one building built in 1987 located on the site. The legal description for the parcel reads:

Parcel 1821069085

That portion of the Northeast Quarter lying Easterly of Thomas Road Southeast, Southwesterly of Kent-Black Diamond Road (SSH #5-B) and Northerly of Auburn-Black Diamond Road Cutoff.

The King County Department of Assessments records show that the subject property is currently owned by Min Sung Ki.

2.0 Site Conditions

The Subject Site contains one major structure. The structure is occupied by a convenience store, a deli/restaurant, and a dog grooming business. According to a report obtained from the Washington State Department of Ecology UST database (Appendix B), three UST's are present at the subject site. These tanks are reported to have been installed in June 1987 at the time the building at the site was constructed. The database indicates that the tanks contain gasoline. However, it was observed that there are two gasoline tanks and one diesel tank. The tanks are single wall steel in construction and are protected from corrosion by a cathodic protection system.

The following discussion of the physical, geologic and hydrogeologic settings of the subject property is based on information obtained from the Washington State Department of Ecology Well Log Database (Ecology, 2010), the Washington State Department of Natural Resources (DNR,1991), and from the Natural Resource Conservation Service (NRCS) "Soil Survey of King County Area, Washington" (NRCS, 1973).

2.1 Topography

The subject property is situated at an elevation of approximately 390 feet (WGS84 datum). The property in the area is generally flat with a slight local slope to the south-southwest. The regional slope is toward the Green River, which is approximately two miles to the south (Figure 3).

2.2 Geology and Hydrogeology

The subject site is located in the Puget Sound Lowland physiographic province. The Puget Sound lowland is a broad, low-lying region situated between the Cascade Range to the east and the Olympic Mountains and Willapa Hills to the west. It owes its present-day geomorphic features to the last continental glacier that covered the region approximately 10,000 years ago.

As the glacier receded, large quantities of meltwater were discharged from it. The meltwater sorted material in its path and left very gravelly and sandy sediments that range in thickness from 4 or 5 feet to 80 or 100 feet. In King County, the Natural Resource Conservation Service identifies this gravelly and sandy sediment as the Everett Soil Series (NRCS, 1973), The subject site is underlain by the gravel and sand Everett Soil Series.

It appears that the depth to water is highly variable in the region. According to well logs obtained from the Washington State Department of Ecology Well Log Database (Appendix G), the first encounter of water in the region is between 9 and 100 feet below the ground surface (bgs) with most first occurrences of water at greater than 50 feet bgs. Static groundwater level is typically between the surface and 62 feet below ground surface (bgs) with most of the levels less than 25 feet bgs. At the subject site, borings drilled by Clayton Environmental Services in 2002 and by SECOR in 1997 did not encounter water to a depth of 25 feet bgs. Based upon the surface topography, the groundwater would be expected to flow in a south-southwest direction.

2.3 Soil Classification

According to the NRCS, the soils beneath the subject site are the Everett Gravelly Sandy Loam to depths of 6 feet or more. The soil is considered "excessively drained" with a low available water capacity.

3.0 Contaminated Soil Excavation

On September 8, 2010, White Shield was notified that a fuel distribution line had been punctured by a contractor working on the cathodic protection system for the 12,000 gallon unleaded gasoline tank (Figure 4). White Shield Inc. (WSI) responded to the site and met with Mr. John Phimister of WSCO Petroleum and with the certified tank contractor, Mr. Robert Montgomery. Before White Shield arrived at the site, Mr. Montgomery had repaired the distribution line and the station was operating. White Shield researched the depth to water as well as the information that was in the Ecology UST database regarding the age and construction of the tanks. Because the volume of gasoline released was small (approximately 10 gallons), it was anticipated that the resulting contamination would be confined to the backfill material surrounding the UST. In addition, because water is greater than 25 feet bgs it was decided that excavation of the soils surrounding the tank would occur.

On September 21 and 22, 2010, White Shield oversaw the excavation and disposal of approximately 24 tons (17 cubic yards) of contaminated soil. This soil was excavated from around the 12,000-gallon gasoline storage tank using a vacuum knife excavator operated by Bravo Environmental of Kenmore Washington. A vacuum knife was used because of the underground piping and the proximity of the other tanks at the site (Figure 4). The excavated soils were placed on plastic adjacent to the excavation until they could be sampled and disposal options determined.

Soil was excavated from the west end of the 12,000-gallon tank near where the distribution pipe was punctured. The excavation was approximately 10 feet by 10 feet in size and approximately 7 to 9 feet deep. Excavation was performed until it was no longer considered safe due to potential collapse of the excavation sidewalls and the potential to compromise the integrity of the neighboring tanks. Upon reaching the limits of the excavation, samples were collected for analysis. Because not all of the contaminated soils could be removed from the excavation, the purpose of the sampling was to determine the levels of the contamination remaining in the ground. In addition, a hand auger was used to bore to a depth of $10\frac{1}{2}$ feet bgs. This is estimated to be the base of the "tank pit". A sample was collected at this depth and at a depth of 11 feet bgs, which is estimated to be in the native soil under the tank. Because of the gravelly nature of the soil, it was not possible to hand auger any deeper.

4.0 Soil Sampling

4.1 Sample Collection

Following excavation of as much soil that was safely and logistically feasible at the site, soil samples were collected from:

- The base of the excavation around the perimeter of the tank at 7 to 11 feet below ground surface (bgs),
- The sidewalls of the excavation $4\frac{1}{2}$ to 6 feet bgs, and
- The excavation stockpile.

Soil sampling and analytical reporting for this project were based on the current MTCA UST site assessment and soil sampling guidelines and on the professional judgment of the Site Assessor.

During the soil sampling activities, several field-screening techniques were utilized:

- Olfactory Observations
- Visual Observations
- Organic Vapor Analyzer (OVA)

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4.2 Sampling Methods

Sampling protocol was derived from the "Guidance for Site Checks and Site Assessments for Underground Storage Tanks" (Ecology, 2003).

Each sample was collected using appropriate methods for the analysis to be performed and placed into laboratory-provided collection jars. The samples were collected using the EPA Method 5035 protocol. Sample containers were sealed, labeled, and delivered to an on-site mobile laboratory operated by Libby Environmental Chemistry Laboratory of Olympia, Washington, a Washington State Department of Ecology accredited laboratory. Each sample was analyzed for:

- Gasoline Range Organics by NWTPH-Gx
- Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX) by EPA Method 8021B

Figure 4 presents the locations of the samples. Appendix D presents photographs of the sample locations. The material removed from the excavation consisted of silty sand.

4.3 Sample Results

Table 1 presents the results of the soils sampling. Appendix E presents the laboratory data sheets.

4.3.1 Tank Excavation Samples

Analytical results of the samples collected from the tank excavation revealed the presence of petroleum hydrocarbons above the MTCA Method A Cleanup level of 0.03 mg/kg for benzene (Table 1). The levels of toluene, ethylbenzene, and xylenes were all below the MTCA cleanup levels. The analytical results for total petroleum hydrocarbons in the gasoline range did not exceed the MTCA cleanup level of 30 mg/kg for soils containing benzene.

4.3.2 Stockpile Samples

Approximately 17 cubic yards (24 tons) of soil were stockpiled from the tank excavation. As required by the Washington State Department of Ecology, these soils were sampled following the Washington State Department of Ecology guidance (Ecology, 2003). Three samples were collected from the stockpile (Samples SP-1 through SP-3; Table 1; Figure 4) and analyzed for the same analytes as the excavation samples. Analytical results revealed both benzene and TPH gasoline above the MTCA cleanup levels.

5.0 Excavation Backfilling and Site Restoration

Because stockpile samples contained petroleum contamination above the MTCA cleanup levels, it was transported to the Regional Disposal Company's transfer station in Seattle. From the transfer station, it was transported to the Roosevelt Regional Landfill in Roosevelt, Washington. The bills of laden from the disposal are presented in Appendix F. Because WSCO petroleum desired to re-open the fueling station, the excavation was backfilled. The backfill consisted of the imported clean pea-gravel fill material. The site was then graded in preparation for repaying. This backfilling is considered a temporary measure until WSCO Petroleum determines what the remedial action for this site will be to address the remaining contamination. Options may include some type of enhanced natural attenuation or in-situ chemical oxidation.

6.0 Summary and Recommendations

White Shield Inc. (WSI) oversaw the excavation and disposal of approximately 24 tons (17 cubic yards of petroleum-contaminated soil from a gasoline release at the Brookside Deli and Gas #619 site located at 32201 Kent – Black Diamond Road, Auburn, Washington. This work was performed for WSCO Petroleum of Portland, Oregon. The release occurred when a fuel distribution line was punctured during maintenance on the tank systems cathodic protection system. It was estimated that approximately 10 gallons of unleaded gasoline were released into the "tank pit". The site check is required by Washington Administrative Code (WAC) 173-360.

Contaminated soil was removed from around the west end of the 12,000-gallon gasoline tank at the site with a vacuum knife excavator and transported to the Regional Disposal Company for disposal. Soil samples collected from the excavation revealed that benzene remained in the soils above the MTCA Method A cleanup levels. Because of this, additional remedial actions are being planned. Because WSCO Petroleum does not want to decommission the tank system, those remedial actions may include treatment of remediation of the soils in place.

It is recommended that WSCO coordinate with the Washington State Department of Ecology and enter Ecology's voluntary cleanup program.

7.0 Standard Limitations

This report has been prepared to document the activities that occurred during partial remediation of a fuel release at 32201 Kent – Black Diamond Rd, in Auburn, Washington. The findings and conclusions documented in this report have been prepared for the specific application to this project and have been developed in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area. No warranty, expressed or implied, is made. This report is for the exclusive use of WSCO Petroleum Corporation and/or its representatives

If new information is developed in future site work (which may include excavations, additional borings, or other studies), White Shield Inc. should be contacted to re-evaluate the interpretations in this report, and to provide amendments as required.

8.0 References

Ecology, 2003, *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*, Washington State Department of Ecology, Revised April 2003, 46p.

Ecology, 2010, Washington State Department of Ecology On-line Well Log Database <u>http://apps.ecy.wa.gov/welllog/</u>

NRCS, 1973, *Soil Survey of King County Area, Washington*, United States Department of the Agriculture - Natural Resource Conservation Service (formerly Soil Conservation Service), November 1973.

DNR, 2010, *Geology of Washington – Puget Lowlands*, Washington State Department of Natural Resources website:

http://www.dnr.wa.gov/ResearchScience/Topics/GeologyofWashington/Pages/lowland.aspx

Sample Location	Sample Number	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)
Base of excavation							
	NB-7		0.13	0.33	nd	0.29	nd
	WB-9		0.4	1.31	0.15	1.07	14
	SB-10.5		0.24	0.5	nd	0.43	13
	SB-11		0.17	0.52	0.07	0.46	16
Sidewalls							
	NSW-5		0.03	nd	nd	0.18	nd
	NSW-6		0.17	0.43	nd	0.35	nd
	WSW-4.5		nd	0.1	nd	0.2	39
	SSW-5		nd	0.13	nd	0.15	nd
Stockpile							
	SP-1		0.23	0.46	0.42	4.2	135
	SP-2		0.61	0.51	nd	1.3	41
	SP-3		1.09	0.2	0.07	0.6	14
	SP-3 Dup		1.08	0.21	0.06	0.68	15
MTCA Met	hod A Cleanup	Level	0.03	7	6	9	30/100

nd- not detected

JOB No. Table 1 210-038-01 E SHIELD, INC. DATE WHI Soil Sample Results 11/10/2010 19 23412 68TH AVE S. KENT, WA. 98032 Brookside Deli and Gas #619 SHEET SURVEYING ENVIRONMENTAL SERVICES 32201 Auburn - Black Diamond Road Phone: 253-867-6070 Auburn, Washington Fax:253-867-6075 OF









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APPENDIX A

UST SITE ASSESSMENT CHECKLIST

White Shield Inc.



UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

FOR OFFICE USE ONLY

Site #:____

Facility Site ID #:____

NSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

<u>SITE INFORMATION</u>: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.	Underground Storage Tank Section Department of Ecology PO Box 47655
SITE ASSESSOR INFORMATION: This information must be signed by the registered	Olympia WA 98504-7655
site assessor who is responsible for conducting the site check/site assessment.	

SITE INFORMATION

Site ID Number (Available from Ecology	if the tanks are registered):	97447
Site/Business Name: Brookside Deli &	Gas	
Site Address: 32201 Kent-Black Diamon	nd Rd	Telephone: (503) 243-2929
Auburn	Street WA	98002
City	State	Zip Code
TANK INFORMATION		
Tank ID No.	Tank Capacity	Substance Stored
NT T 1		Unloaded Gaseline

No Lead	12,000 Gallons	
Premium NL	8,000	Unleaded Gasoline
Regular	10,000	Diesel Fuel

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:
Investigate suspected release due to on-site environmental contamination.
Investigate suspected release due to off-site environmental contamination.
Extend temporary closure of UST system for more than 12 months.
UST system undergoing change-in-service.
UST system permanently closed with tank removed.
Abandoned tank containing product.
Required by Ecology or delegated agency for UST system closed before 12/22/88.
X Other (describe): Repair of punctured distribution pipe

CHECKLIST		
	[
Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
1. The location of the UST site is shown on a vicinity map.	x	•
 A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance) 	x	
3. A summary of UST system data is provided. (see Section 3.1.)	x	
4. The soils characteristics at the UST site are described. (see Section 5.2)	X	
5. Is there any apparent groundwater in the tank excavation?		X
6. A brief description of the surrounding land use is provided. (see Section 3.1)	x	
 Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses. 	x	
8. A sketch or sketches showing the following items is provided:	x	
- location and ID number for all field samples collected	x	
- groundwater samples distinguished from soil samples (if applicable)	NA	
- samples collected from stockpiled excavated soil	x	
- tank and piping locations and limits of excavation pit	x	
- adjacent structures and streets	x	
- approximate locations of any on-site and nearby utilities	X	
 If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4) 	NA	
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	х	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	NA	
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40. The weather of this site she style its second which is displayed that a semijumed values of a very dated		1

12.	The results of this site check/site assessment indicate that a confirmed release of a regulated	
	substance has occurred.	

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Street
Street Telephone. (200) Street
Street
Kent WA 98032
City State Zip Code

11/11/2010	David R. Potuke
Date	Signature of Person Registered with Ecology

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.

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APPENDIX B

ECOLOGY UNDERGROUND STORAGE TANK DATABASE REPORT

White Shield Inc.

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WASHINGTON STATE Department of Ecology

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King	CO	UNTY
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TE INFORMATION Ite ID: 97447 Site Tag #: A0697 BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD	
AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025	FACILITY SITE INFORMATION Facility Site ID: 93565538 BROOKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long 47° 18' 45.4" / -122° 5' 45.1°
NK INFORMATION	
TANK NAME: NO LEAD Status :	Operational Upgrade DT: 2/5/1998
Install Date Status Date	Permit Expiration Date Permanently Closed Date
June 1, 1987 August 6, 1996	August 31, 2011 Tank Open
CAPACITY RANGE : 10,000 to 19,999 Gallons	
PUMP SYSTEM :Pressurized System	
SPILL PREVENTION : Spill Bucket/Spill Box OVERFILL PREVENTION : Overfill Alarm	
MPARTMENT DETAILS	
TANK	PIPING
MATERIAL : Coated Steel	Fiberglass
CONSTRUCTION : Single Wall Tank	Single Wall Pipe
PRIMARY REL DETECT : Automatic Tank Gauging	Automatic Line Leak Detection
SECONDARY REL DETECT :	
TIGHTNESS TEST :	Annual
CORROSION PROTECTION : Sacrificial Anode	Corrosion Resistant
torage Tank: PREMIUM NL	Task D: 1
	Tank ID: 14 FACILITY SITE INFORMATION
TE INFORMATION ite ID: 97447 Site Tag #: A0697	Facility Site ID: 93565538
BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025	BROOKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long 47° 18' 45.4" / -122° 5' 45.1°
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BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025 ANK INFORMATION TANK NAME: PREMIUM NL Status : Install Date June 1, 1987 August 6, 1996 CAPACITY RANGE : 5,000 to 9,999 Gallons PUMP SYSTEM :Pressurized System SPILL PREVENTION : Spill Bucket/Spill Box	BROÓKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long_47* 18' 45.4" / -122* 5' 45.1*
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BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025 WREINFORMATION TANK NAME: PREMIUM NL Status : Install Date June 1, 1987 August 6, 1996 CAPACITY RANGE : 5,000 to 9,999 Gallons PUMP SYSTEM :Pressurized System SPILL PREVENTION : Spill Bucket/Spill Box OVERFILL PREVENTION : Overfill Alarm	BROOKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long 47° 18' 45.4" / -122° 5' 45.1° Operational Permit Expiration Date Permanently Closed Date
BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025 WREINFORMATION TANK NAME: PREMIUM NL Status : Install Date June 1, 1987 August 6, 1996 CAPACITY RANGE : 5,000 to 9,999 Gallons PUMP SYSTEM :Pressurized System SPILL PREVENTION : Spill Bucket/Spill Box OVERFILL PREVENTION : Overfill Alarm	BROÓKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long 47° 18' 45.4" /-122° 5' 45.1" Operational Permit Expiration Date August 31, 2011 Dupgrade DT: 2/5/1998 Permanently Closed Date Tank Open
BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025 ANK INFORMATION TANK NAME: PREMIUM NL Status : Install Date June 1, 1987 August 6, 1996 CAPACITY RANGE : 5,000 to 9,999 Gallons PUMP SYSTEM :Pressurized System SPILL PREVENTION : Spill Bucket/Spill Box OVERFILL PREVENTION : Overfill Alarm OMPARTMENT DETAILS	BROÓKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long 47* 18' 45.4" /-122* 5' 45.1* Operational Upgrade DT: 2/5/1998 Permit Expiration Date August 31, 2011 Permit Closed Date Tank Open PIPING Fiberglass Single Wall Pipe
BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025 ANK INFORMATION TANK NAME: PREMIUM NL Status : Install Date June 1, 1987 August 6, 1996 CAPACITY RANGE : 5,000 to 9,999 Gallons PUMP SYSTEM :Pressurized System SPILL PREVENTION : Spill Bucket/Spill Box OVERFILL PREVENTION : Overfill Alarm OMPARTMENT DETAILS TANK MATERIAL : Coated Steel CONSTRUCTION : Single Wall Tank PRIMARY REL DETECT : Automatic Tank Gauging	BROÓKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long 47* 18' 45.4" /-122* 5' 45.1* Operational Upgrade DT: 2/5/1998 Permit Expiration Date August 31, 2011 Permanently Closed Date Tank Open PIPING Fiberglass
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BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002- Phone #: (503) 243-2929 UBI: 600-417-377 001 0025 ANK INFORMATION TANK NAME: PREMIUM NL Status : Install Date June 1, 1987 August 6, 1996 CAPACITY RANGE : 5,000 to 9,999 Gallons PUMP SYSTEM :Pressurized System SPILL PREVENTION : Spill Bucket/Spill Box OVERFILL PREVENTION : Overfill Alarm OMPARTMENT DETAILS MATERIAL : Coated Steel CONSTRUCTION : Single Wall Tank PRIMARY REL DETECT : Automatic Tank Gauging SECONDARY REL DETECT : TIGHTNESS TEST :	BROÓKSIDE DELI & GAS 619 32201 AUBURN BLACK DIAMOND RD AUBURN, WA 98092 Lat/Long 47* 18' 45.4" /-122* 5' 45.1* Operational Upgrade DT: 2/5/1998 Permit Expiration Date August 31, 2011 Permanently Closed Date Tank Open PIPING Fiberglass Single Wall Pipe Automatic Line Leak Detection Annual
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Tank Data Summary

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BROOKSIDE DELI & GAS 619 32201 AUBURN-BLACK DIAMOND RD AUBURN, WA 98002-	te Tag #: A0697 Bl: 600-417-377 001 0025	32201 AUBURN AUBURN, WA	D: 93565538 DELI & GAS 619 I BLACK DIAMOND RI	
TANK NAME: REGULAR	Status :	Operational		Upgrade DT: 2/5/1998
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REMIUM NL Operational 06/01/1987 5,000 to 9,999 Gallons 1 Alcohol Blend Gasoline REGULAR Operational 06/01/1987 10,000 to 19,999 Gallons 1 Alcohol Blend Gasoline	ank Name	Tank Status	Install Date Capacity Range	Co	mpartment #	Substance Stored	
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Report: TCP_web_reporting/RegulatedUSTs.rdl)			06/01/1987 5,000 to 9,999 Gallons	1	1	Alcohol Blend Gasoline	
exics Cleanup Program Integrated Site Information System Page	PREMIUM NL REGULAR	Operational Operational	06/01/1987 10,000 to 19,999 Gallons	1			

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APPENDIX C

CERTIFICATIONS

White Shield Inc.

INTERNATIONAL CODE COUNCIL DAVID POLIVKA

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

Washington State Site Assessment

Given this day of November 21, 2008



Adolf Zubia President, Board of Directors

> CINTERNATIONAL CODE COUNCIL

Certificate No. 8020698-U7

CERTIFIED SHINGTON

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Richard P. Weiland Chief Executive Officer

This certificate is the property of ICC and must be returned to ICC in the event of suspension ar revacation of the certificate.

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APPENDIX D

SITE PHOTOGRAPHS

:

White Shield Inc.

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Brookside Deli and Gas #619 32201 Auburn – Black Diamond Road Auburn, Washington Underground Piping Repair & Site Check November 11, 2010

APPENDIX E

LABORATORY DATA SHEETS

White Shield Inc.



Libby Environmental, Inc.

4139 Libby Road NE · Olympia, WA 98506-2518

September 27, 2010

Dave Polivka White Shield, Inc. 23412 68th Avenue South Kent, WA 98032

Dear Mr. Polivka:

Please find enclosed the analytical data report for the WSCO Brookside Grocery Project located in Auburn, Washington. Soil samples were analyzed for Gasoline by NWTPH-Gx and BTEX by EPA Method 8021B on September 22, 2010.

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

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

Sincerely,

Sherry L. Chilcutt President Libby Environmental, Inc.

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

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

WSCO BROOKSIDE GROCERY PROJECT Auburn, Washington White Shield Client Project # 210-038-01 Libby Project No. L100922-20

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Soil

Sample	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline	Surrogate
Number	Analyzed	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)_	Recovery (%)
Method Blank	9/22/10	nd	nd	nd	nd	nd	98
LCS	9/22/10	108%	101%				90
NB-7	9/22/10	0.13	0.33	nd	0.29	nd	115
NSW-6	9/22/10	0.17	0.43	nd	0.35	nd	103
WB-9	9/22/10	0.4	1.31	0.15	1.07	14	98
SB-10.5	9/22/10	0.24	0.5	nd	0.43	13	110
SB-11	9/22/10	0.17	0.52	0.07	0.46	16	88
WSW-4.5	9/22/10	nd	0.1	nd	0.2	39	85
SSW-5	9/22/10	nd	0.13	nd	0.15	nd	95
NSW-5	9/22/10	0.03	nd	nd	0.18	• nd	83
SP-1	9/22/10	0.23	0.46	0.42	4.2	135	95
SP-2	9/22/10	0.61	0.51	nd	1.3	41	108
SP-3	9/22/10	1.09	0.2	0.07	0.6]4	95
SP-3 Dup	9/22/10	1.08	0.21	0.06	0.68	15	95
SP-3 MS	9/22/10	125%	115%				88
Practical Quantitat	ion Limit	0.02	0.10	0.05	0.15	10	

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

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

ANALYSES PERFORMED BY: Athanasius Shaw

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APPENDIX F

DISPOSAL BILLS-OF-LADEN

White Shield Inc.

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APPENDIX G

DEPARTMENT OF ECOLOGY WELL LOGS

White Shield Inc.

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Map Output



Second Copy		No
	ASHINGTON Permit No.	
(1) OWNER: Name (1) $\not\equiv$ $f \cup s \neq f = f$		- and mon
(2) LOCATION OF WELL: County KING	- Si J 1/ Sil 1/2 Sec. 7 T.	I.N. R. 6E.W.M.
Bearing and distance from section or subdivision corner	(Gow Fot 2)	
(3) PROPOSED USE: Domestic SX Industrial D Municipal D	(10) WELL LOG:	·
Strigation [] Test Well [] Other []	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of a stratum penetrated, with at least one entry for each c	l and structure, and the material in each hange of formation
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM TO
New well [X] Method; Dug [] Bored [] Deepened [] Cable [X] Driven [] .	sucture	02
Reconditioned 🗌 Rotary 🗍 Jetted 🗍	preme clay	27
(5) DIMENSIONS: Diameter of well	How for the hours	7 14
Drilled	water second e	
(6) CONSTRUCTION DETAILS:	Brews handpin	19 21
Casing installed: 6 " Diam. from O st. to 4/1 st.	Blue clay	2/ 32
Threaded [] "Diam. from	Handbacked brand gravel	38 41
Welded Diam. from ft. to ft.		
Perforations: Yes of No D Torch	· · · · · · · · · · · · · · · · · · ·	
SIZE of perforations		
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perforations from		
Screens: Yes D No S		·
Screens: Yes D No 🕵 Manufacturer's Name		
Type, Model No.		······
Diam,		
Gravel packed: Yes No D Size of gravel; P.P.C.		
Gravel placed from		
Surface seal: Yes of No I To, what depth?		
Material used in seal As a full 1 4 3 c A. J]	
Did any strata contain unusable water? Yes D No D' Type of water?		
Method of sealing strate off.		
(7) PUMP: Manufacturer's Name		
Type:		
(8) WATER LEVELS: Land-surface elevation above mean sea level		
Static level		
Artesian pressure		
Artesian water is controlled by		<u> </u>
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 1.1 2.3	127 ,25
Was a pump test made? Yes I No Sy If yes, by whom? Yield: gal./min. with tt. drawdown after hrs.	WELL DRILLER'S STATEMENT:	
(1	This well was drilled under my jurisdiction	and this report is
0 U U U	true to the best of my knowledge and belief.	
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	NAME Johnson Drilling Co.	lar
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) ("	Type or print)
	Address 19415 108 Ave 55 Ker	ton
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RECEIVED MAR 1 3 '75 Her, S. Ihat portion of Section 7, Township 21 North, Range 6 East, W.H. H Marking Gounty, Washington, described as follows:

Beginning at the intersection of the south line of Government V Lot 7 and northeasterly margin of Soos Greak-Berrydale Road; Thence northwesterly along said road margin 330 feet;

Thence northeasterly at right angles to said road margin 100 fee Thence northeasterly parallel with road margin 175 feet; Thence northeasterly at right angles to said line 250 feet; Thence southeasterly to a point on westerly margin of W. I. Thomas No. 2 County Road 420 feet northerly of the south line of Section;

Thence southerly along said westerly line of County Road and the east, line of Government Lot 7 to the south line of said Government Lot;

827 Thomas Road S.

Thenco west along the southerly line thereof to beginning; EXCEPT portion lying southerly and easterly of a line running west parallel with said south line 153 feet point point of centerline of Thomas No., 2 County Road 230 feet northerly measured along side centerline from said south line; Thence southerly parallel with said centerline to said south line.

File Original and First Copy with	21/00	V A
Second Copy — Owner's Copy	LL REPORT Application N	o <u>4</u> .
Barry Fridolf Stand of	ASHINGTON Permit No	
Contraction of the Annual of the Contraction of the Contraction	Address BCLG 317 AUb	
(2) LOCATION OF WELL: County King	- TY 1/2 K Sec. 7. T. 2	(
(3) PROPOSED USE: Domestic 🗆 Industrial 🗇 Municipal 🔂	(10) WELL LOG;	<u></u>
Irrigation [] Test Well [] Other []	Formation: Describe by color, character, size of material	and structure, and
(4) TYPE OF WORK: Owner's number of well (If more than one)	Stratum penetrated, with at least one entry for each ch MATERIAL	unge of formation
New well (M. Method; Dug) Bored Deepened Cable Driven (-Surface	FROM TO
Reconditioned Rotary S Jetted	Brown grand	2 25
(5) DIMENSIONS: Diameter of well	Brown Sandy ground-clay Brown Sand Grand	45 80
Drilled	Brown water sond & gravel	80 88
(6) CONSTRUCTION DETAILS:	Brown sand& grevel-cky	88
Casing installed: <u>Can Diam. from</u> <u>Casing installed:</u> <u>Casing installed:</u> <u>Diam. from</u> <u>Casing it.</u> <u>to <u>SS</u> <u>ft.</u></u>		······································
Welded a		
Perforations: Yes D North		
Type of perforator used ¹		
perforations from		······································
Screens: Yes D No		
Manufacturer's Name		
Type Model No Model No		
Diam	· · · · · · · · · · · · · · · · · · ·	
Gravel placed from ft. to		·····
		1985: "
Surface seal: Yes p No \square To what depth? 8 th. Material used in seal ρ voltaring clay		
Did any strats contain unusable water? Yes D North		
Method of sealing strata off		·····
(7) PUMP: Manufacturer's Name		
(8) WATER LEVELS: Land-surface elevation above mean sea level		
Artesian pressure		
(Cap, valve, etc.)	·	
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 11 - 15 19.84 Completed 1	1-16 1084
Was a pump test made? Yes D No D If yes, by whom? Yield:gal./min. withti. drawdown after hrs.	WELL DRILLER'S STATEMENT:	
<u>30 10 3 10 3 10 10 10 10 10 10 10 10 10 10 10 10 10 </u>	This well was drilled under my jurisdiction as true to the best of my knowledge and belief.	nd this report is
Recovery data (time taken as zero when pump turned off) (water level	Tel - ~ · //	,
measured from well top to water level) Time Water Level Time Water Level Time Water Level	NAME OCHASON Dr. Iling Co., (Person, firm, or corporation) (T.	ype or print)
	Address 19415 108 HACE SE	Reiton 980
		#******************
Date of test	[Signed] Bior Actions	У Л
Artesian flow	License No. 0233 Date. 11	-/6 19 8
remperature of water meranic was a chemical analysis mader res [] No []		

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	11.60	1.50	\$A
WATER WELL REPORT	CURRENT Notice of Intent No 15369	<u> </u>	Wh.
Provide Control of Con	Unique Ecology Well ID Tag No A G		25
Construction/Decommission ("x" in circle) 137404			
Construction Decommission ORIGINAL CONSTRUCTION Notice	Water Right Permit No.		
of Intent Number	Property Owner Name_ Frank	Hove	Jen.
PROPOSED USE: M Domestic 🗌 Industrial 🔲 Municipal	Well Street Address 31877 Ke		
DeWater Irrigation Test Well Other	City Auburn County:_	<u> </u>	
TYPE OF WORK: Owner's number of well (if more than one)			XEWND
Image: Second	Location 5 1/4- 1/4 5 1/4 Sec. 7	rwn 2 R	or WWM
Deepened Cable Rotary Jetted DIMENSIONS: Diameter of well Content of well Content of the second seco	Lat/Long: Lat Deg	Lat Min/Sec	
Depth of completed well $\underline{}$ ft.	REQUIRED) Long Deg	Long Min/Se	
CONSTRUCTION DETAILS	Tax Parcel No. 072106-90	27	
Casing Welded G " Diam, from O ft to G)	ft. CONSTRUCTION OR DECOMMISSI		
Installed: Liner installed Diam from ft to	ft Formation Describe by color, character, size of m f_{f} kind and nature of the material in each stratum per	naterial and stru	icture, and th
Threaded Diam from ft to	entry for each change of information Indicate all	water encounte	red
Perforations: Yes No Type of perforator used	(USE ADDITIONAL SHEETS IF NECESSARY.	.)	
SIZE of perfsin byin and no of perfs fromfi to	MATERIAL	FROM	то
Screens: $\mathbf{B}_{Yes} \square No$ \mathbf{B}_{FPac} Location $\mathbf{C}_{I} - \mathbf{C}_{2}$	"Surface	0	3
Manufacturer's Name	Sand-grove- proce		8
Type stanler Steel Model No. tele	Hardpan brown	<u> </u>	20
Diam <u><u><u>G</u></u> Slot Size, 00G from <u><u>G</u> the <u>G</u> fr</u></u>	Cloy-gray	20	62
Diam Slot Size from ft. to ft	Saud-gray-fine	62	67
Gravel/Filter packed: 🗌 Yes 👹 No 🔲 Size of gravel/sand	Water	ļ	<u></u>
Materials placed fromft toft			
Surface Seal: BYes No To what depth? 18 ft Materials used in seal bestow To		┟	+
Did any strata contain unusable water? Yes BNo	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>
Type of water? Depth of strata			┿───
Method of sealing strata off			.
PUMP: Manufacturer's Name		EIVER	<u></u>
Туре Н Р		8 2003	
WATER LEVELS: Land-surface elevation above mean sea levelft			+
Static level 2° ft below top of well Date $7 - 18 - 0.3$	DEPT OF	ECOLOG	<u>1</u>
Artesian pressurelbs per square inch Date Artesian water is controlled by			۹ ــــــ
(cap,valve, etc)			+
WELL TESTS: Drawdown is amount water level is lowered below static level			+
Was a pump test made? Yes I Yes I Yes, by whom?		1	1
Yield gal /min with ft drawdown after hrs Yield gal /min with ft drawdown after hrs			<u>†</u>
Yield:gal /min_withft drawdown afterhrs		<u>+</u>	<u>+</u>
Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>
Time Water Level Time Water Level Time Water Level			
· · ·			
Date of test			
Airtest gal /min with stem set at fi for hrs			
Artesian flowg p m Date Temperature of waterWas a chemical analysis made? 🛄 Yes 🗐 No	Stan Date 7-16-03 Completed D	Date 7-18	3-03
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept res Washington well construction standards. Materials used and the information	ponsibility for construction of this well, and its	compliance v	
Driller Engineer Trainee Name (Print)	Drilling Company _ John Sour		in Ca.
Dillet Ligitude Li Trainee Name (Print)		5 Ave	SE
Driller/Engineer/Trainee Signature Babba	0 +		
Driller or Trainee License No. 0233	City, State, Zip Renton,		
If trainee, licensed driller's	Contractor's TOHPSOS 2072 m Registration No.	Date 7~	18-00
Signature and License no	Ecology is an Equal Opportunity Employer		20 (Rev 4/01)

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File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy		LL REPORT	Application I Permit No		
(1) OWNER: Name	ling a	Address 31660 Th	RASE	0.	19804
(2) LOCATION OF WELL: County	and the second se		SUV V Sec 7 T	1 1	F
Bearing and distance from section or subdivision		NYO ASE SI M	Shill + 5 12	IN. RC	L.W.M.
(3) PROPOSED USE: Domestic of Ind	lustrial 🗌 Municipal 🗙	(10) WELL LOG: 4	t Lot 7	of N	<u>~</u>
Irrigation 🗋 Tes	st Well 🗋 Other 🗋	Formation: Describe by color, show thickness of aguifers and	the kind and hature of f	ha matari	al in anch
(4) TYPE OF WORK: Owner's number of (if more than one	of well	stratum penetrated, with at le MATERI		FROM	
New well 🖾 Method	d: Dug 🗋 Bored 🗍	Surface		mon 1	TO
Deepened	Cable Driven D Rotary S. Jetted D		other Larrel	5	9
	Actual Brand	Gray clay	and a grades a	17	13
(5) DIMENSIONS: Diameter of w Drilled	vell inches.	Gray water s Blue clay	send	13	15
(6) CONSTRUCTION DETAILS:		Gray water	sured	:27	33
Casing installed: Diam. from .	5 th to 33 th	3.17		:33	
	ft. to ft.		******		
Welded 🛱 Diam. from	ft. to ft.				
Perforations: Yes D No 5%					
Type of perforator used					
SIZE of perforations					
perforations from					
perforations from					
Screens: Yes D No N					
Manufacturer's Name					
Type					
Diam Slot size from					
+	of gravel:				
Gravel placed from f	1, 10				
Surface scal: Yes No D To what Material used in seal Old Control of the State Did any strata contain unusable wat Type of water? Depth Method of sealing strata off	ter? Yes 🗌 No 🕵				
(7) PUMP: Manufacturer's Name					
Туре:					
(8) WATER LEVELS: Land-surface el	evation				
Static level 2 tt. below top of v	well Date 1 / 7177		···· · · ·		
Arteslan pressurelbs. per square i					
Artesian water is controlled by	(Cap, valve, etc.)				
(9) WELL TESTS: Drawdown is amo	ount water level is atic level		HO	Im	70
	whom?	Work started 1.17	19.79 Completed	17	, 19.7
West & partip foot filled and and and and and and and and and an	down after bra.	WELL DRILLER'S ST	ATEMENT:		
11 H	n n	This well was drilled u true to the best of my kn		and this	report is
Recovery data (time taken as zero when pump measured from well top to water level) Time Water Level Time Water Level	turned off) (water level Time Water Level	NAME Johnse (Person, Arr	or Orillir n, or corporation) 08 Thave 5		a lu rinti asc
		Address.		m (a
		[Signed] Bund	Dotorises		
Date of test Bailer test 3.C. gal/min. with 11		010	(Well Driller)		IN MC
Temperature of water	alysis made? Yes 🗋 No 💆	License No.	Date		, 18.41

(USE ADDITIONAL SHEETS IF NECESSARY)

8. F. No. 7356-OS-(Rev. 4-71).

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File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy		LL REPORT		Application No Permit No		2
(1) OWNER: Name Don Kuhlman		Address 3/6C				48900
(2) LOCATION OF WELL: County KING	1 +	Address. J. J. Sals		Ral SE	_	
	AIS	0 51/7	- SE & Sur sec		N., R	C.w.m.
Bearing and distance from section or subdivision corner		0 3/2	NE 114 / S	wig		<u> </u>
(3) PROPOSED USE: Domestic 🛠 Industrial. [] Municipal 🗌	(10) WELL L	OG:			
Irrigation [] Test Well [] Other 🔲	Formation: Describ	e by color, character, siz	e of material a	ind stru	cture, and
(4) TYPE OF WORK: Owner's number of well		stratum penetrated	e by color, character, siz louifers and the kind an , with at least one entry	d mature of the (for each cha	e materi nge of j	al in each formation.
(If more than one) New well D Method; Dug	D Bored (MATERIAL		FROM	то
Deepened D Cable		Surface	·····		0	3
Reconditioned D Rotery	A Jetted 🗖	Brown s	andy clay		3	19
(5) DIMENSIONS: Diameter of well	C	gray clas	1	·	19_	30
Drilled			aTer sande c		30	46
		Gray so	nd		46	
(6) CONSTRUCTION DETAILS:		·				·
Casing installed: Diam. trom	1. 10 4 G TI.	<u> </u>				<u> </u>
Threaded Diam. from						
Welded Welded Welder "Diam. from f	t. to ft.					
Perforations: Yes 🗋 No 😽						· · · · ·
Type of perforator used					f	
SIZE of perforations in. by					.	
					·	
perforations from						
Screens: Yes D No 😪			·			· · ·
Manufecturer's Name						
Diam						
Diam	t. to ft.					
Gravel packed: Yes D No W Size of gravel			RECEIVEL	· ·		
Gravel placed from	t		HECO		<u> </u>	
			·			
Surface seal: Yes No To what depth?						
Material used in seal. O.L. C.L. D. Did any strata contain unusable water? Y			CEP 1910		+	
Type of water?			DEPT OF ECULOPT			
Method of sealing strata off			REGIONAL DITUL	4	·	
(7) PIIMP			and the second se	=		
(7) PUMP: Manufacturer's Name	HP					
					-	
(8) WATER LEVELS: Land-surface elevation above mean sea level						
Static level	<u>-1//01/9</u>	<u> </u>				·
Artesian pressure						
Artesian water is controlled by	lve, etc.)					
(9) WELL TESTS: Drawdown is amount wete lowered below static level	er level is		1 10. 70		110	
Was a pump test made? Yes D No 😽 If yes, by whom?		Work started			110	
Yield: gal./mln. withft. drawdown after	r hrs.	WELL DRILL	ER'S STATEMEN	T:		
0 p n		This well was	drilled under my ju	risdiction an	d this :	report is
	н	true to the best	of my knowledge an	d bellef.		
Recovery data (time taken as zero when pump turned o measured from well top to water level)	ff) (water level	Th.	n = n			1
Time Water Level Time Water Level Time	Water Lavel	NAME SOUTH	Person, firm, or corporat			
		lai	15 108th		n –	-980S.
•••••••••••••••••••••••••••••••••••••••		Address.	19 198 7	Le JE!	Scn.	Ø <i>.</i>
			DA D			, .
Date of jest gal/min, with 20tt, drawdown af		[Signed]	(Well I	Julier)		·····
Artesian flow			_ _ _ _ '	· · /	1-	
Temperature of water	67 Yes 🛛 No 😽	License No	0233 DF	1e	10	, 19.4.4
		1	•			

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WATER WELL REPORT	CURRENT Notice of Intent No 412894	
	Unique Ecology Well ID Tag No AB	5-522
Construction 11 7 UI J	Water Right Permit No	<u> </u>
O Decommussion ORIGINAL CONSTRUCTION Notice of Intent Number	Property Owner Name Georging 4	Tim HURS
PROPOSED USE Domestic Industrial Municipal	Well Street Address 18530 5 E	2,77401
DeWater Irrgation Test Well Other	Well Street Address 18030 3C	517 FL
TYPE OF WORK Owner's number of well (if more than one)	City Actorn County Locations E 1/4 1/4 Stul/4 Sec. 7 T	IT ING
New Well Reconditioned Method Dug Bored Driven	Location SE 1/4 1/4 SW1/4 Sec. 7 T	wn 21 R C Or one
Deepened Cable Rotary Jetted	Lat/Long Lat Deg	WWM
DIMENSIONS Diameter of well inches drilled ft	(S,I,T SIII	
Depth of completed well ft	REQUIRED) Long Deg Tax Parcel No 072106-90	83-03
CONSTRUCTION DETAILS Casing Weided Diam from33ft to 1877_ft	CONSTRUCTION OR DECOMMISSIO	
Installed Liner installed Diam from ft toft	Formation Describe by color character size of ma	iterial and structure and the
Threaded Diam fromft toft	kind and nature of the material in each stratum pen entry for each change of information Indicate all v	
Perforations Yes No	(USE ADDITIONAL SHEETS IF NECESSARY)	
Type of perforator used <u>star</u> wheel	MATERIAL	FROM TO
SIZE of perfs 118 in by 2 in and no of perfs 100 from 110 ft to 120 ft	Gray Sand silty	33 50
Screens W Yes No K Pac Location	Gray clay-saud	50 56
Manufacturers NameAandvar K TypeModel No	Sand-gray-fine	56 79
Diam 4 Slot Size 1010 from 92 ft to 1/2 ft	silty	
DiamSlot Sizefromft_toft	Clay SITY	79 84
Gravel/Filter packed Prycs No Size of gravel/sand, 010-620	Sand silty gray	84 148
Materials placed from 88 ft to 122 ft	siltgray Fre	148 176
Surface Seat マリン To what depth? ft Materials used in seat レスレイロル イロー	c ay - gray	176 190
Did any strata contain unusable water? Yes No		· · · · · · · · · · · · · · · · · · ·
Type of water? Depth of strata	······································	
Method of sealing strata off	411 PUC Blaut	0 497
PUMP Manufacturer s Name	Oloscreek	92 112
Туре Н Р	411 PUC Blaut	112 122
WATER LEVELS Land surface elevation above mean sea levelft Statuc levelft = 5 - 29 - 02		
Artesian pressureIbs per square inch Date	•	
Artesian water is controlled by		
(cap valve etc)	· · · · · ·	
WELL TESTS Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes by whom?	· · · · · · · · · · · · · · · · · · ·	
Yield gal/min with ft drawdown after hrs	ļ	
Yield gal /min withft drawdown afterhts Yield gal /min withft drawdown afterhtrs		
Recovery data (time taken as zero when pump turned off)(water level measured from		
well top to water level) Time Water Level Time Water Level Time Water Level	RECEIV	
Date of test	DEPT OF EC	DLOGY
Bailer testgal /min withft drawdown afterhrs Airtest7 gal /min with stem set at90 ft for1 // 2 hrs		
Artesian flowg p m Date	Start Date 5-20-02 Completed D	ale 5-29-07
Temperature of waterWas a chemical analysis made? Yes No WELL CONSTRUCTION CERTIFICATION I constructed and/or accept resp Washington well construction standards Materials used and the information r	onsibility for construction of this well and its	compliance with all
BDriller Bengineer Trainee Name (Print) Brad Johnson	Drilling Company Dhirson	
Driller/Engineer/Trainee Signature Brogham	- Address 19415 108th	
Driller or Trainee License No 0 2 3 3		
	City State ZipReston	<u> </u>
If trainee, licensed driller's	- Registration No HNS DC 207 QM	Date 5-29-02

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

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WATER WELL REPORT

Application No. 0 75519

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Second Copy — Owner's Copy Third Copy — Driller's Copy STATE OF Y	VASHINGTON Permit No		
(1) OWNER: Name John Kick	Address 12019 3rd Ausse, 30	ea 771	4
(2) LOCATION OF WELL: County Tilig	- SLY SET Sec. 7 T.2.		
Bearing and distance from section or subdivision corner 314CL		Unu.	
(3) PROPOSED USE: Domestic Sy Industrial 🗇 Municipal 🗇	(10) WELL LOG:		
Irrigation 🖞 Test Well 🗍 Other 📋	Formation: Describe by color, character, size of material a show thickness of aquifers and the kind and nature of the stratum penetrated, with at least one entry for each char	nd structus material i	re, and In each
(4) TYPE OF WORK: Owner's number of well (if more than one)			TO
New well in Method; Dug 🗍 Bored 🗌 Despend 📋 Cable 🗍 Driven 🗇	Surface		2
Reconditioned Rotary A Jetted	Brown Sand-ground	38	
(5) DIMENSIONS: Diameter of well		2 7	<u>~</u>
Drilled	Brown sand-grave	56	<u>.</u>
(6) CONSTRUCTION DETAILS:	Brown watersond - rovel	90 1	$\overline{12}$
Casing installed: <u>Car Diam. trom</u> <u>O</u> . tt. to 1.12. tt.	Brown handpar 1	12 -	
Threaded []	·		
Welded D			
Perforations: Yes 🗆 Nors			
Type of perforator med			
SIZE of perforations in, by		—	
fi. to ft.			
perforations from 1t. to ft.			<u> </u>
Screens: Yes D No DY			· · · · ·
Manufacturer's Name]	·	
Diam,		<u> </u>	<u> </u>
Diam	· · · · · · · · · · · · · · · · · · ·		
Gravel packed: yes D No 式 Size of gravel:			
Gravel placed from			
Surface seal: Yes No D To what depth?	l	<u> </u>	
Material used in seal putuling clay Did any strata contain unusable water? Yes Nos			<u> </u>
Type of water? Depth of strata			
Method of sealing strata off	REC	EIVE	ED2
(7) PUMP: Manufacturer's Name	AUG	21 00	0
Type:	AUQ_		U
(8) WATER LEVELS: Land-surface elevation above mean sea level	DEPT. O	F ECOLOG	λ¥
Stalic level			
Artesian pressure			
(5) WEDE ABAS, lowered below static level	Work started 8-3 19 90 completed 8	<u>, </u>	<u>199</u>
Was a pump test made? Yes [] No [] If yes, by whom? Yield: gal./min. with fi. drawdown after hrs.	WELL DRILLER'S STATEMENT:		
" 9 gpm stem set at 108' 212 hrs	This well was drilled under my jurisdiction an	d this rep	port is
""""""""""""""""""""""""""""""""""""""	true to the best of my knowledge and belief.		
measured from well top to water level) Time Water Level Time Water Level Time Water Level	NAME Johnson Orilling Co. (Person, Arm, or corporation) (Ty	pe or prin	
	Address 19415 108th ALE SE	Ret	-780. OL
Date of test	[Signed] Bic Suchne	Lm	
Baller test	(Well Driller)	_	_
Temperature of water Was a chemical analysis made? Yes [] No	License No. 23.3 Date 8-	- . ,	19
	1 · ·		

(USE ADDITIONAL SHEETS OF NECESSARY)

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File		LL REPORT	Start Card No. 2009	
Sec	and Copy - Owner's Copy		UNIQUE WELLID. ACU	98006
(1)		Water Right Permit		
			E 14 Sec 7 T. 21 N.	
(2) (2e)	STREET ADDRESS OF WELL (or neurost address) 191XX SE 3	14th PL., LK MON		R <u> (() ()</u> W.M.
		(10) WELLLOG or ABANDON		
(3)	PROPOSED USE: DC Dornestic Industrial D Municipal D Infigation DeWater Test Well D Other D	Formation: Describe by color, character, size and the kind and nature of the material in a	of material and etructure, and show this	kness of aquiters
(4)	TYPE OF WORK: Owner's number of well (If more than one)	change of information.	FRO	
	Abandoned D New well X Method: Dug Bored D	Brown sands and		· · · · · · · · · · · · · · · · · · ·
	Reconditioned C Rotary Jetted C	Tan clay		- 26
(5)	DIMENSIONS: Diameter of well inches.	Gray clay-gra	vel 21	83
• •	Drilled 10 feet. Depth of completed well 10 t.	Grazaniel-cla		
(4)	CONSTRUCTION DETAILS:		-gravel 10	
(6)		Grow gravel - C 1	ay 110	»
	Welded Diam, from It, to It.			
	Liner Installed T	· · · · · · · · · · · · · · · · · · ·		
	Perforations: You No 🕅	fe		
	Perforations: Yes I No 128			
	SIZE of perforations In. by In.			
		·		_
	t. tot.	· ·		
	performations from It. to			
	Screens: Yes No X			
	Manufacturer's Name	- Dr	.	
	Type Model No		CIVED.	
	Diam Slot elze from ft. to ft.	· · ·	<u> </u>	
_	Diam Skot size from ft. to H.	dui		
	Gravel packed: Yes 🗌 No 🕵 Size of gravel		<u>1 3 1998</u>	
	Gravel placed fromft. toft.	Nur	10.00	
	Burface seal: Yes A No , To what depth? 8		0	
	Material used in seal DENTONITO		cluby	
	Did any strate contain unusable water? Yes 🔲 No 🔯	·	<u></u>	
	Type of water? Depth of strata	· · · · · · · · · · · · · · · · · · ·		<u> </u>
	Method of sealing strats of			
7		·		
(7)	PUMP: Manufacturer's Name	······································	· · · · · · · · · · · · · · · · · · ·	
781	WATER I EVELS. Land surface elevation	Work Burned 6-29	, 19; Completed 7 - 1	10 98
. (a)	Static level ft. below top of well Date ft.			
	Artosian proseure Ibs. per square inch Date	WELL CONSTRUCTOR CERTI	FICATION:	
	Arbeelan water is controlled by(Cap, valve, etc.)	I constructed and/or accept re	sponsibility for construction of this well construction standards. Mate	well, and its
70)	WELL TESTS: Drawdown is amount water level is lowered below static level		are true to my best knowledge and	
(0)	Was a pump test made? Yes No V If yes, by whom?	NAME JOHNSON (PERSON, PH	Drilling Co. Inc	
	Vield: gal./min. with h. drawdown after bra.	(PERSON, FIRM	OR CORPORATION (TYPE OR PRACT)	48023
	in it	Address 19415 1087	AURSE, RENT	OF, WA
	п у р н			
	Recovery data (time taken as zero when pump turned off) (water level measured from well	(Signed)	License No.	<u>, , , , , , , , , , , , , , , , , , , </u>
	top to water level) Time Water Level Time Water Level Time Water Level	Contractor's		
	· · · · · · · · · · · · · · · · · · ·	et a de transférie a	Dete 7-1	0.0-
		NOT HHUSDC 20762 m)_ Date	192
		- (USE ADDITION/	AL SHEETS IF NECESSARY)	
	Date of teet fil. drawdown after hns.			
	Airtest gal./min. with stem set at f. fraction the fill for here.	Ecology is an Equal Opportunit	y and Affirmative Action emplo	yer. For spe-
	Artosian flow g.p.m. Date	cial accommodation needs, cor		gram at (206)
	Temperature of water Was a chemical energysis made? Yes 🔲 No 🕱	407-6600. The TDD number is	(200) 407-6006.	
FG	Y 660-1-20 (R/R3) * 1 /	1		



16909 SOIL BORING REPORT Notification # S 14964 KING 21-6E-18D Project Name: MAPLE GLEN RETAIL CNTR County: Location: NW1/4NW1/4 Sec 18 TZIN RGE Drilling Method: HSA Driller: yancey R. White Street Address of Boring: 32201 Kent Black Diamond Rd Auburn. Firm: Cascade Drilling, Inc. Signature Torting Water Level Elevation: N/A Consulting Firm: Clayton Group Sycs Ground Surface Elevation: N/A Date of Drilling: 2/5/02 Representative: Grea Ferris Invoice # 2060 FORMATION DESCRIPTION AS-BUILT WELL DATA Sand Gravel's Concrete Surface Seal -Backfill 🧲 ft RECEIVED FEB 2 5 2002 DEPT OF ECOLOGY 65 Depth of Boring OF PAGE_ SCALE: 1" = ECY 050-12 (Rev. 11/89)





ECY 059-12 (Rev. 11/89)



ECY 050-12 (Rev. 11/89)

ECY 0





UNUE PHUTEUTIUN WELL HEPUTT AL- 6 10 E START CARD NO. 42845 King PROJECT NAME: Bronkside Grocery COUNTY: LOCATION: NEVA NU VA SUC 18 TWN2/N A GE WELL IDENTIFICATION NO. mla DRILLING METHOD: HSA STREET ADDRESS OF TELL: 32201 Kent. Black Dramond Rd-Auburn DRILLER: Brent C. Malor FIRM; Cascade Drilling, Inc.0 N/Λ WATER LEVEL ELEVATION: _ GROUND SURFACE ELEVATION: _N/A SIGNATURE: INSTALLED: ____9-9-97 CONSULTING FIRM: m. Molzer REPRESENTATIVE: R.C. DEVELOPED: HA 7288 AS-BUILT WELL DATA FORMATION DESCRIPTION 0 - 3 ft. CONCRETE SURFACE SEAL LANGE LOBUE/ 21 SANDY GRAVEN BACKFILL BEN 3 - /3 ft. cuti PS SAMOY 4MAKE (LIGHT BROWN). 13-15 ft. SAMAY 1 CO3565 RECEIVED AUG 11 1997 DEPT. OF ECULUGY DEPTH OF BORING 15 SCALE: 1" = PAGE _OF____ ECY 050-12 (Rov. 11/09)

START CARD NO. 428451 PROJECT NAME King COUNTY: WELL IDENTIFICATION NO LOCATION: NEVA NU VA SOC 18 TWN2/N R GE DRILLING METHOD: HSA STREET ADDRESS OF WELL: ORILLER: Brent C. Malor 32201 Kent Black Dramond Rd - Aubury FIRM: Cascade Drilling, Inc. N/Λ WATER LEVEL ELEVATION: SIGNATURE:_ GROUND SURFACE ELEVATION: N/A CONSULTING FIRM: INSTALLED: _____7-9-97 REPRESENTATIVE: R.Conk M. Malzer H/A-DEVELOPED: 7288 **AS-BUILT** WELL DATA FORMATION DESCRIPTION 0 - 3 ft. CONCRETE SURFACE SEAL LANGE LOSSLE/ 21 SANDY GRAVEN BENC BACKFILL 3 - /3 ft. Coti PS SAMOY / GUASSE (LIGOT BROWN) 13-15 ft. SAMMY 1 COSSLE RECEIVED AUG 11 1997 DEPT. OF LUULUUY DEPTH OF BORING 15' SCALE: 1" . PAGE____ OF ECY 050-12 (Rov. 11/09)

START CARD NO. 172845 Kino moceru COUNTY: PROJECT LOCATION NEW NUM SOC 18 TWOZIN A GE WELL IDENTIFICATION NO. ORILLING METHOD: HSA STREET ADDRESS OF WELL: 32201 Kent. Black Dramond Rd - Aubur ORILLER: Brent C. Malon FIRM: Cascade Drilling, Inc. N/N WATER LEVEL ELEVATION: ___ GROUND SURFACE ELEVATION: N/A SIGNATURE: INSTALLED: 7-9-97 CONSULTING FIRM:_ MA REPRESENTATIVE: _R.C. Mulzer DEVELOPED: M 7288 WELL DATA FORMATION DESCRIPTION AS-BUILT 3 ft. 0 CONCRETE SURFACE SEAL LARGE LOSSUE/ 2' SANDY GRAVEN BEN BACKFILL <u>3 - /3 ft.</u> uti PS SAMBY 4MAGE (UGOT BROWN) 13-15 Et. SAMAY 1 COSSLE RECEIVED AUG 11 1997 DEPT. OF LUULUGY DEPTH OF BORING 15' SCALE: 1" . PAGE OF ECY 050-12 (Rov. 11/09)



File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy		LL REPORT	Application 1 Permit No		5
(1) OWNER: Name Maple Olen	Irrigatio'N	Addres 32201	Kert-Black Drame	nd R	J 55
(2) LOCATION OF WELL: County			F 1 UW 1 Sec. 18 T.		Сум
Bearing and distance from section or subdivision	-		and and a product of the product of the		
(3) PROPOSED USE: Domestic D in	dustrial 🗋 Municipal 🗗	(10) WELL LOG			
	est Well 🔲 Other 🔲	Formation: Describe by	color, character, size of materia	l and stru	cture, and
(4) TYPE OF WORK: Owner's number	of well		y color, character, size of materia fere and the kind and nature of th at least one entry for each c		formation.
(II More than bu	ie) id:Dug 🗋 Bored 🗍		LATERIAL	FROM	TO
Despensed	Cable 🗌 Driven 🗋 Rotary 🔂 Jetted 📋	Tar pravil a	sand	10	10
	<u> </u>	Brock son	d clay gravel	18	24
(5) DIMENSIONS: Diameter of Drilled	well inches.	Tau hardpo		24	3)
		Brown Sal	che Chygravel	39	3.7
(6) CONSTRUCTION DETAILS:	~ ~~	Gray clay	- Later	72	85
Casing installed: <u>Constalled</u> Diam. from		Gray clay		85	
	ft. to ft.			ļ	
Perforations: Yes D No V		· · · · · · · · · · · · · · · · · · ·			
Type of perforator used					
SIZE of perforations			· · · · · · · · · · · · · · · · · · ·		
			<u></u>		
Screens: Yes X No C Tal	2' niser pipe	· · · · · · · · · · · · · · · · · · ·		<u> </u>	
Manufacturer's Name SPANS OF	Model No The Scape		, <u></u> , <u>_</u> ,,		<u> </u>
Diam			* <u>-</u>	<u> </u>	
Diam			·······		
-	e of gravel:	`			
Gravel placed from				5. <u>18</u>	
Surface seal: Yes TA No D To why	at depth?	·	·	<u> </u>	
Material used in seal post dollar Did any strats contain unusable wa				· · · · · · · · · · · · · · · · · · ·	
Type of water? Dep	th of strata				
Method of sealing strats off	, 1886				
(7) PUMP: Manufacturer's Name.				+	· ·
(8) WATER LEVELS: Land-surface of above mean set	well Date 57/3-87	·	<u> </u>	┥ ──	
	inch Date			<u> </u>	
Artesian water is controlled by	(Cap, valve, etc.)				·
(D) WEY TOOTO, Drawdown is an	nount water level is	·····	// 07 F		-
(9) WELL IESIS: Iowered below i Was a pump test made? Yes [] No [] If yes, ?	static level		11. 19.87 Completed		
Yield: gal./min. with ft. dray	wdown after hrs.	1	R'S STATEMENT:		
	HIR JET		rilled under my jurisdiction my knowledge and belief.	and this	report is
Recovery data (time taken as zero when pump		·····	n 11 - m	1	
measured from well top to water level) Time Water Level Time Water Level		NAME Joh	HOD Drilling St	O	
		Iau)	- Ing The - CE	D 7	- 78as
· · · · · · · · · · · · · · · · · · ·		Address	A IND THE OF	.n	
	l	ہے (Signed]	Broddel	-	
Bailer test gai./min. with	awdown afterhrs.	[Dimico]	(Fill Driller)		
Artesian flow		License No,	0233 Date 5	~13	, 19.87

(USE ADDITIONAL SHEETS IF NECESSARY)

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WATER	WELL	REPORT
	00 104 00	TATOMON

Application No 5

	Permit No
(1) OWNER: Name Maple Ridge Homeowners Associa	THEdress Approx 18422 324th SE AUDUN
	NE NLI Sec 18 TZL N. BC. WM
Bearing and distance from section or subdivision corner	W.M. Sec. J.V T. J.N., R
	(10) WELL LOG:
(3) PROPOSED USE: Domestic [] Industrial [] Municipal Irrigation [] Test Well [] Other	
	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL FROM TO
New well 🍟 Method; Dug 🗆 Bored 📮 Deepened 🗋 Cable 🗌 Driven 🗍	Brown sand 0 8
Reconditioned Rotary Jetted	Brown Sandt grovel 8 14
(5) DIMENSIONS: Diameter of well G inches	Brown clay - gravel 14 28
Drilled	Brown hardpan 28:46
	Brown soude gravel 46 78
(6) CONSTRUCTION DETAILS:	Brown water sand& grave 78 89
Casing installed: C. " Diam. from	Gray handpus-cley 8.1
Threaded" Diam. from ft. to ft. Welded St.	
Perforations: Yes 🗆 Noty	
Type of perforator used	·
perforations from	
perforations from	······
Screens: Yes 🗆 No 🙇	
Manufacturer's Name	
Type	
Diam	
Gravel packed: Yes D No Sy Size of gravel:	
Gravel placed from	
Surface seal: Yes X No I To what depth?	
Surface seal: Yes X No To what depth?	
Did any strata contain unusable water? Yes 🗋 No.7	
Type of water? Depth of strata	
Method of sealing strate off	
(7) PUMP: Manufacturer's Name	NORTHWEST REGION
Type;	
(8) WATER LEVELS: Land-surface elevation above mean sea level	
Static level	
Artesian pressure	
Artesian water is controlled by	
(9) WELL TESTS: Drawdown is amount water level is lowered below stalic level	Work started C - 25, 1996 Completed C - 2C 1986
Was a pump test made? Yes 🗋 No 🗍 If yes, by whom?	
Yield: gal./min. with ft. drawdown #fter hrs.	WELL DRILLER'S STATEMENT:
	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level	and to the blat of my knowledge and bench,
measured from well top to water level)	NAME Johnson Phillic Co. L.C.
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address 19415 108" Are SE Renter 18035
Date of test	[Signed] Brock Halnson
Baller test	(Well Driller)
Temperature of water	License No. 0233 Date C-26 19 Sec

YELL WATER. REPORT Start Card No. ¥125604 8047 STATE OF WASHINGTON **AEP 813** (1) OWNER: Name BERG, ROBERT Address 18751 AUGURN BLK DIAMOND AUBURN, WA 98092-::::: (21 LOCATION OF WELL: County KING (2a) STREET ADDRESS OF WELL (or nearest address).32529 188TH AVE SE SE 1/4 MENE 1/4 Sec 18 T 21 R., R E ШŇ -----(3) PROPOSED USE: DOMESTIC (10) WELL LOG 66-Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with (4) TYPE OF WORK: Owner's Humber of well (If more than one) Wethod: ROTARY HEN WELL at least one entry for each change in formation. Diameter of well 6 inc Depth of completed well 34.25 ft. (5) DIMENSIONS: inches ft. Drilled 34 FROM TO RATERIAE BROWN SAND & GRAVEL & COBBLES BROWN SILT SAND & GRAVEL & COBBLES GRAY SILT SAND & GRAVEL & COBBLES SAND & GRAVEL & WATER SEC BROWN CLAY 11 (6) CONSTRUCTION DETAILS: 17 11 Casing installed: WELDED 25 34 Dia, from +2 ft. to 32.08 ft. 17 ft. to ft. to ft. ft, Dia. from Dia. from 25 Perforations: KO RECEIVED Type of perforator used SIZE of perforations in. in, by perforations from perforations from ft. ft. to AUG 31 2000 ft. to ft. perforations from ft. to ft. DEPARTMENT OF ECOLOGY WELL DRILLING UNIT Screens: YES Hanufacturer's Hane Type STAINLESS STEEL COOK Kodel No. slot size 20 from 29.26 ft. to 34.25 ft. Diam. S Diam. slot size from ft. ta ft. Gravel packed: NO Gravel placed from Size of gravel ft. -ft. to Surface seal: YES To what de Material used in seal BENTONITE Did any strata contain unusable water? NO Type of water? Depth of s To what depth? 16 ft, Depth of strate ft. Nethod of sealing strata off (7) PUMP: Manufacturer's Rame Type (8) WATER LEVELS: Land-surface elevation above mean sea level ... ft. 13.5 ft. below top of well Date 08/18/00 bs. per square inch Date Statiç lavel 🐇 Artesian Pressure Artesian water controlled by Completed 08/18/00 Work started 05/17/00 WELL CONSTRUCTOR GERTIFICATION: (9) WELL TESTS: Drawdown is amount water level is lowered below I constructed and/or accept responsibility for con-struction 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. static level. Was a pump test made? NO If yes, by whom? Yield: gal,/win with ft. drawdown after hrs. Recovery data Time Vater Level Time Vater Level Time Vater Level NAME HAYES DRILLING, INC. (Person, firm, or corporation) (Type or print) ADDRESS SUGG ERSHIG RD. BOW, WA ï0762 for Z Date of test ast / / gal/win. 16.6 ft. drawdown after 1 gal/min. w/ stem set at ft. for [SIGNED] Steve. License No. 1149 Bailer test 5 hra. Air test hrs. Artesian flow Contractor's Date g.p.m. Registration No. HAVESDI1085 Temperature of water Oate 08/25/00 Was a chemical analysis made? NO 7093

WATER WELL REPORT	Notice of Intent No AG7120
L' c'o' c'o' Original & 1st copy Ecology, 2nd copy owner, 3rd copy driller	Unique Ecology Well ID Tag No
O Construction	Water Right Permit No
Decommission ORIGINAL CONSTRUCTION Notice	
of Intent Number	Property Owner Name Norma Beng
PROPOSED USE Domesuc Industrial Municipal DeWater frigation Test Well Other	Well Street Address 18715 AUbunn - BL Diamon Re
TYPE OF WORK Owners number of well (if more than one)	City ALBURN County KING Location SE1/4 1/4 NW/4 Sec 18 Twn 21 R C EVM circ or one
New Well Reconditioned Method Dug Bored Driven	Location SE 1/4 1/4 NW1/4 Sec_18 Twn ZI R G ON ONE
Deepened Cable Rotary Jetted	Lat/Long Lat Deg Lat Min/Sec
DIMENSIONS Diameter of wellinches drilledfi	(s,t,r still REQUIRED) Long Deg Long Min/Sec
Depth of completed well ft	Tax Parcel No 182106-9009-01
CONSTRUCTION DETAILS Casing Welded Diam fromft to	CONSTRUCTION OR DECOMMISSION PROCEDURE
Installed Liner installed Diam fromft to	ft Formation Describe by color, character, size of material and structure and the kind and nature of the material in each stratum penetrated, with at least one
Threaded Diam fromft to	entry for each change of information Indicate all water encountered
Perforations Yes No	(USE ADDITIONAL SHEETS IF NECESSARY)
Type of perforator used	MATERIAL FROM TO
Screens Yes No KPac Location	a decommissioned
Manufacturer's Name	
TypeModel Nofi DiamSier Sizefromfi tofi	Well A treme lino
DiamSlot Sizefromft toft	was rund to bottom
Gravel/Filter packed CYC To Size of gravel/sand	of well, Bentonita
Materials placed fromft toft	pressurg ynouted to
Surface Seal Yes No To what depth?ft	Sunface, 8" Casing
Materials used in scal	pulled and removed
Did any strata contain unusable water Tyes No	From well,
Type of water?Depth of strata Method of sealing strata off	
PUMP Manufacture's Name	─ ───────────────────────────────────
Туре Н Р	
WATER LEVELS Land surface elevation above mean sea levelfi Statue levelft below top of well Date	
Artesian pressureIbs, per square inch Date	CEIVER
Artesian water is controlled by	R 2004
(cap valve etc.)	APR 0 6 2004 DEPT OF ECOLOGY
WELL TESTS Drawdown is amount water level is lowered below static level Was a pump test made? Yes No If yes by whom?	TOFECOLUCA
Yield gal /min with ft drawdown after hrs	DEPIO
Yieldgal/min withft drawdown afterhrs Yieldgal/min withft drawdown afterhrs	
Recovery data (time taken as zero when pump turned off)(water level measured from	
well top to water level Time Water Level / Time Water Level	
Date of test	
Arrestgal /min with stem set atft forhrs	
Artesian flowg p m Date Temperature of waterWas a chemical analysis made?	Start Date 3-24-04 Completed Date 3-25-00
WELL CONSTRUCTION CERTIFICATION I constructed and/or accept res Washington well construction standards Materials used and the information	sponsibility for construction of this well, and its compliance with all
Driller Dengineer Drance Name (Print) Bog & Johnso	Drilling Company Johanny Da. Una Co. La
Driller/Engineer/Trainee Signature Record Printy	10:11 in sorth A
Driller or Trainee License No	
	City, State, Zip Renton WA 98055
If trainee, licensed driller's Signature and License no	- Contractor 30/1450 2020m Date 3-25-04
	Ecology is an Equal Opportunity Employer ECY 050-1 20 (Rev 4/01)

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WATER WELL REPORT

21/06-18 G Application No. 87

STATE OF WASHINGTON

Permit No.

(1) OWNER: Name Art Bender	Address 18855 SE Auburn Blk. Diamond Rd., Auburn,
	SW 14 NE 14 Sec. 18 T. 21N. R. 6. W.M.
Bearing and distance from section or subdivision corner	
(3) PROPOSED USE: Domestic & Industrial D Municipal	(10) WELL LOG:
lirigation [] Test Well [] Other []	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
(4) TYPE OF WORK: Owner's number of well til more than one)	MATERIAL FROM TO
New well 🖄 Method: Dug 🗌 Bored 🔲 Deepened 🗍 — Cable 🗋 Driven 🗍	Topsoil 0 4
Deepened D Cable Driven D Reconditioned Rotary 🔏 Jetted D	Br. Till 4 17
	WBS&G17 28
(5) DIMENSIONS: Diameter of well . 6	
	·
(6) CONSTRUCTION DETAILS:	
Casing installed:	
Threaded	
Resferentionet	
Perforations: Yes D No 🖄 Type of perforator used	
SIZE of perforations in. by in.	
perforations from	
	· · · · · · · · · · · · · · · · · · ·
Screens: Yes X No D Manufacturer's Name Johnson	
Type Stainless Model No.	
Diam. 6	
Diam Slot size from fl. to fl.	
Gravel packed: Yes 🗋 No 🕱 Size of gravel:	
Gravel placed from It. to It.	
Surface seal: Yes D No D To what depth?	
Material used in seal. Bentonite	
Did any strata contain unusable water? Yes 🗌 No 🚺 Type of water?	
Method of sealing strata off	
(7) PUMP: Manufacturer's Name.	······
Турс:)
(8) WATER LEVELS: Land-surface elevation	l , , , , , , , , , , , , , , , , , , ,
Static level	
Artesian pressure lbs. per square inch Date	
Ariesian water is controlled by	
(9) WELL TESTS: Drawdown is amount water level is	
(b) WELL LESTS. lowered below static level Was a pump test made? Yes [] No [] If yes, by whom?	Work started 6-25-87 19. Completed 6-25-87 19.
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level	AND A MAR MOR OF MAY REPORT ON MENCH
measured from well top to water level)	NAME Northwest Pump and Drilling Co.
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address 3245 Auburn Way South, Auburn
	KANK E
Date of test and a can as an in the second	[Signed]
Baller test	
Temperature of water Was a chemical analysis made? Yes 🗋 No 其	License No

File	Origin	al and	First	CODY	with
Lep	artnien	lofEc	ology	•	
Seco	and Cor	iy O	wner	's Cop	У
Thi	d Copy	— Drl	ller's	CODY	

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The second copy - Owned Scopy	VELL REPORT F WASHINGTON	Application No	T
(1) OWNER: Name Robert BIRS	Address 18761 Auburn	-Black Diaminant	Rd
(2) LOCATION OF WELL: County Kinth		W 14 Sec 18 T. 21 N. R	
Bearing and distance from section or subdivision corner	ShURT PLAT # 1181	06-1	
(3) PROPOSED USE: Domestic X Industrial D Municipal	(10) WELL LOG:	· · · · · · · · · · · · · · · · · · ·	
Irrigation [] Test Well [] Other	Formation: Describe by color, ch show thickness of aquifers and th stratum penetrated, with at least	aracter, size of material and str	ucture, and
(4) TYPE OF WORK: Owner's number of well (if more than one)			
New well 🙇 Method; Dug 🔲 Bored		L FROM	TO
Deepened Cable Y Driven Reconditioned Rotary Jetted		,	26
(5) DIMENSIONS: Diameter of well (- BROWN CONGlome		
(5) DIMENSIONS: Diameter of well	a contraction static	Stand - 26	.43.
(6) CONSTRUCTION DETAILS:	The CRAVELY HAX	<u>1 13910 43</u>	59
Casing installed: Diam. from fi. to i		······································	
Threaded Diam. from It. to			
Welded a	<u>u.</u>		
Perforations: Yes D No M			+
Type of perforator used			
SIZE of perforations In. by It. to			
	<u>n.</u> <u></u>		
Screens: Xes 🗆 No 🕱			
Manufacturer's Name			
Diam			
Dlam Slot size from ft. to	<u>Rt.</u>		÷
Gravel packed: Yes 🗋 No 🍂 Size of gravel:			
Gravel placed from ft. to ft. to	<u>u.</u>		
Surface seal: Yes X No D To what depth?	a		· ··· ··-
Material used in seal Bar Tanitz Did any strata contain unusable water? Yes [] No			•
Type of water? Depth of strata		ARTMENT OF ECOLOGY ORTHWEST REGION	<u>—</u>
Method of sealing strata off			
(7) PUMP: Manufacturer's Name. AllA.			
Туре: Н.Р.			+
(8) WATER LEVELS: Land-surface elevation above mean sea level	(1		
Static level			
Artesian water is controlled by. (Cop, valve, etc.)			
	-		
(9) WELL TESTS: Drawdown is amount water level in lowered below static level	Work started 2-22 , 18	85 Completed 3-1	. 19.85
Was a pump icst matle? Yes D No It yes, by whom?	WELL DRILLER'S STA	TEMENT:	
<u>н</u> н н	— This well was drilled und	er my jurisdiction and this	report is
	true to the best of my know	ledge and belief.	
Recovery data (time taken as zero when pump turned off) (water lev measured from well top to water level)	NAME BURAS DR	Jinb Co	
Tinne Water Level Time Water Level Time Water Leve	(Person, firm, c	or corporation) (Type or)	print)
	Address 1579 0441	BN CT.N.E T	Exten
· · · · · · · · · · · · · · · · · · ·	- / ->	1	
Date of test	[Signed]	(Well Driller)	
Artesian flow	ALCA	Date 6-8-85	
Temperature of water Was a chemical analysis made? Yes 🔲 No	License No	Date. 47.9-5 9	, 19 ,

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	Original and Firet Copy with WATER WE		<u>114</u>	32
	ind Cook-Owner's Cook	WASHINGTON $31/4/18L$	•	2
	OWNER: Nome Row Auctions	Water Alght Permit No.		<u>9760-1</u>
(1)	OWNER: Nome_INC. HECKOUS	Address 21608 SE 355Th	<u>_A</u>	burg
(2)	LOCATION OF WELL: County KIN3	NEN SWN SOC 18 T.	LL.N., R.	<u>Ca. W.M.</u>
(2a)	STREET ADDDRESS OF WELL (or BEBEREN address) (Same)	·	<u> </u>	
(3)	PROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG or ABANDONMENT PROCEDUR	E DESC	RIPTION
_	DeWater Test Weil D Other	Formation: Describe by color, character, size of material and	etructure	, and show
 (4)	TYPE OF WORK: Owner's number of woll	thickness of aquifers and the kind and nature of the material in eac with at least one entry for each change of information.	:h stratum	penetraled.
	Abandoned 🗇 New well 😽 Method: Dug 🗍 Bored 🗍	MATERIAL	FRÓM	το
	Deepened Cable Driven C Reconditioned Rotary 5% Jetted C	Surface		3
(5)		Brown sandgravel	8	18
(0)	Drilled <u>30</u> feet. Depth of completed well <u>25</u> It.	Brown water sand grand	18	25
		Grayclay	25	30
(6)	CONSTRUCTION DETAILS: Casing Installed: Diam. from ft. to ft. to ft. to ft.			
	Casing Installed: Diam. fromft. toft.			
	Liner installed C.] View interview in the second se			<u> </u>
<u> </u>	Perforations: Yes No			
	Type of periorator used			
	SIZE of perforations in. by (n.			
	periorations from ft. to ft.			
	perforations from ft. to	RECEIVED		
	Manufacturer's Name	APR 2 3 1993		
•	Туре ModelNo			· · · ·
	Diem, Stot eize from ft. 10 ft.	DEPT. OF ECOLOGY		<u> </u>
	DiamSlot aizefromft, toft.	······		
	Material used in seal PENIONIE Did any strate contain unusable water? Yes No X	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
	Type of water?Depth of strate	······································		<u> </u>
	Method of eveling strate off			·
(7)	PUMP: Manulacturer's Name			
	Туре: Н.Р			
(8)	WATER LEVELS: Land-surface elevation above mean sea level			ŀ
	Static level H. below top of well. Date Artestan pressure lbs. per square inch. Date			<u>`</u>
	Artesian water is controlled by(Cap, valve, eic.)}			<u> </u>
· /m		Work eterted	1-5	
(9)	WELL TESTS: Drawdown is emount water level is lowered below static level Was a pump lest made? Yes No S If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:		
	Yield: gal,/min_with (). drawdown after hra.	I constructed and/or accept responsibility for const	ruction of	l this well.
		and its compliance with all Washington well cons	itraction (standarda.
	Recovery data (time taken as zero when pump turned off) (water level measured	knowledge and bellef.		
	from well top to weter level) Time Water Level Time Weter Level Time Weter Level	NAME Johnson Drilling	Ce.,	Inc.
		(PERSON, FIRM, OR CORPORATION)		B PRINE 8
		Address 19415 108Th Ave SE	_Re	<u>itor</u> í
	Dete of test	-R DD.1	~	1~7
	Bailer test, gal./min, with it drawdown after hra.	(Signed)License N (Well DRILLER)	lo. O	<u>< }_</u>
	Airteat get /min, with stem set at It. for hre,	Registration No. JOHNSDC 2025/Mate 4 ~ 5	_	0
	Artesian flow g.p.m. Date	No. JUTHOLL LOAST Bate		
	Temperature of water Was a chemical analysis made? Yes 🗌 No 🔀	(USE ADDITIONAL SHEETS IF NECESS	SARYI	4 2

(USE	ADDITIONAL	SHEETS	IF	NECESSARY)
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-ECY 050-1-20 (10-87) 1329

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WATER WELL REPORT	CURRENT Notice of Intent No159084
12 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Unique Ecology Well ID Tag No. <u>AHH-478</u>
Construction/Decommission ("\" in circle) /4/6844	Water Right Permut No.
O Decommussion ORIGINAL CONSTRUCTION Notice of Intent Number	Property Owner Name Dan Panel
PROPOSED USE: Domestic Industrial Municipal DeWater Imigation Test Well Other	Well Street Address 33252 190 Thee SE
CYPE OF WORK: Owner's number of well (If more than one)	City ALGUNN County King
Weil Reconditioned Method Dug Bored Driven Deepened Cable Rotary Jetted	Location NW1/4- 1/4 SE1/4 Sec 18 Twn DI RG WM Lat/Long: Lat Deg Lat Mar 1800
DIMENSIONS: Diameter of well inches, drilled fi Depth of completed well fr	(s.t,r still Lat Dog Lat Min/Sec REQUIRED) Long Deg Long Min/Sec
CONSTRUCTION DETAILS	Tax Parcel No. 1796000060
Casing Welded Diam from fi to nstalled: Liner installed Diam from fi to Threaded Diam from fi to	f_1 Formation Describe by color, character, size of material and structure, and the final kind and nature of the material in each stratum penetrated, with at least one
Perforations: 🔲 Ycs 🗱 No	entry for each change of information Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)
Fype of perforator used	MATERIAL FROM TO
	Surtaie 0 3
Screens: Pyes No K-Pac Location <u>91-92</u> Manufacturer's Name <u>Johrsch</u> Type Stainless Steel Model No <u>tele</u>	Saud-gravel-brown 3 7 Clay-gravel-brown 7 23
rype Stainless Steel Model No tele Diam 6 Slot Size OCC from 92 fi to 102 fi	Sard-gravel-brown 23 26
ham <u>C Stor Size Blackfrom 102 ft to 11.2 ft</u>	CLAY Drown 26 30
Gravel/Filter packed: Yes No Size of gravel/sand	Sardigravel-gray 30 33
daterials placed fromft_toft	Clay-gray 33 92
Surface Seal: 12 Yes 1 No To what depth? 18 ft	Sandfine-gray-seepage 92 103
Materials used in seal <u>bentop/Te</u>	Silty gray clay 103 112
Did any strata contain unusable water? 🗍 Yes 🔞 No	clay-gray 12
Type of water?Depth of strata Method of sealing strata off	· · · · · · · · · · · · · · · · · · ·
PUMP: Manufacturer's Name	-
Туре Н Р	
WATER LEVELS: Land-surface elevation above mean sea levelft	
Static levelft below top of well Date	
Artesian pressurelbs per square inch DateArtesian water is controlled by	
(cap,valve, etc)	RECEIVED
WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? [] Yes () No If yes, by whom?	MAR 2-4 2004
Yieldgal /min_withft drawdown afterhrs Yieldgal /min_withft drawdown afterlirs	DEPT OF ECOLOGY
Yieldgal/min_withft_drawdown afterhrs	
Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)	
Time Water Level Time Water Level Time Water Level	
Bailer testgal /min withft drawdown afterhrs	
Airiest 7 1/2 Hgal/mun with stem set at 90 ft for hrs	
Artesian flowg p m_Date Temperature of waterWas a chemical analysis made? TYes 🖉 No	Start Date 3-5-04 Completed Date 3-12-04
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept res Washington well construction standards. Materials used and the information	
Duller DEngineer Trainee Name (P(int) Brach Johnson	Drilling Company Johnson Drilling Ca. 1
	m Address 19415 108th ALLESE
Driller/Engineer/Trainee Signature Rian filmon	Address Address
	City, State, Zip Reutor, WA 98055
Driller/Engineer/Trainee Signature Thread for Marine Dnller or Trainee License No If trainee, licensed driller's Signature and License no	

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WATBR WELL REPORT Start Card No. 036192 STATE OF WASHINGTON Water Right Permit No. (1) OWNER: Name BROWN, MARK Address 18604 SE 184 PL RENTON, WA 9805B-(2) LOCATION OF WELL: County KING (2a) STREET ADDRESS OF WELL (or nearest address) SE 130 OFF LE WOLM RB - NV 1/4 88 L/4 Sec 18 T 21 N., R 6 VK (3) PROPOSED USE: DOMESTIC [10] WELL LOG Owner's Number of well {If more than one} Method: SOTARY Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with (4) TYPE OF WORK: KEN VELL at least one entry for each change in formation. Diameter of well 6 Depth of completed well 40 (5) DINENSIONS: inches Drilled 60 ft. NATERIAL FROM 1 10 ťt. TOPSOIL BROWN SAND & GRAVEL BROWN GLACIAL TILL BROWN COMMITTED SAND & GRAVEL (6) CONSTRUCTION DETAILS: Casing installed: 6 WELDED Dia. from 0 Dia. from It. to 60
 It. ta Ì. A ft. 25 31 İ9 Ŧ٤. • Dia from 25 31 ĪĖ. BLUE GLACIAL TILL It. to BLUE CENENTED BAND & GRAVEL Perforations: YES Type of perforator used EQTARY STAR SIZE of perforations 3/16 in in. by 1... ft. to 40 in. ft. ft. 200 perforations from 30 perforations from ft. to . perforations from ft. to ft. Screens: NO Manufacturer's Name Nodel No. Type It. to Dian. slot size . Iron Diam. alot size ITON ft. to Size of gravel to ft. Gravel packed: NO Gravel placed from ft. to To what depth? 18 Surface seal: YBS ft. Material used in seal BENTONITE CLAY Did any strata contain unusable water? WO Type of water? Depth of s Depth of strata ft. type of water? Rethod of mealing strats off W/A (7) PUMP: Manufacturer's Name Type N/A (8) WATER LEVELS: Land-surface elevation above mean sea level ... ft. Static level 15 ft. below top of vell Date 08/07/89 Artesian Pressure 1bs. per square inch Date Artesian water controlled by N/A Static level 15 Artesian Pressure Completed 08/07/89 Work started 08/06/89 ______ WELL CONSTRUCTOR CERTIFICATION: (9) WELL TESTS: Drawdown is amount water level is lowered below I constructed and/or accept responsibility for con-struction of this well, and its compliance with all Yashington well construction standards. Materials used and the information reported above are true to my best knowledge and belief. static level. Was a pump test made? NO If yes, by whom? Yield: gal./min with It. drawdown after brs. Recovery data Time Water Level Time Water Level Time Water Level WANE NORTHWEST FOUR & DEILLING (Person, firm, or corporation) (Type or print) ADDRESS JANT RUNNER VAY SOUTH Date of test / / er test gal/min. ft. drawdown after test 20 gal/min. w/ stem set at 40 ft. for 2 Date d. n. m. (SIGHED) The Jehanne License No. 0097 Bailer test hrs. Air test 20 hrs, Artesian flow Date Contractor's g.p.m. Temperature of Water Was a chemical analysis made? NO Registration No. HORTSPD137PQ Date 08/09/89 4î). AUG 1.1 1999 ROATING OF TROLOGY

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WATER WELL REPORT

STATE OF WASHINGTON

Application No

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Permit No.

(1) OWNER: Name PAUL MOFFETT	Address 15721 SE 171st Place, Renton, VA 98055
	- N44 SE 18 T 21N, R 6 WM
Bearing and distance from section or subdivision corner	
(3) PROPOSED USE; Domestic EX Industrial D Municipal	(10) WELL LOG:
Irrigation 🗍 Test Well 🗍 Other 🗌	Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
(4) TYPE OF WORK: Owner's number of well (If more than one)	MATERIAL FROM TO
New well 🎦 Method: Dug 🗌 Bored 🗍 Deepened 🗍 Cable 🗌 Driven 🗌	topsoil, brown, dry 0 1
Reconditioned [] Rotary [] X Jetted []	glacial till, brown, damp 1 9
(5) DIMENSIONS: Diameter of well f	sand & gravel, brown, wet 9 19
(5) DIMENSIONS: Diameter of well	water bearing sand & gravel 19 31
(6) CONSTRUCTION DETAILS:	
Casing installed: <u>6</u> Diam. from <u>0</u> ft. to <u>31</u> ft.	[
Threaded []	······································
Welded XX	· · · · · · · · · · · · · · · · · · ·
Perforations: Yes 🗆 No 🗗 X	
Type of perforator used,	
SIZE of perforations	
perforations from	·
perforations from	[
Screens: Yes D NodXX	
Manufacturer's Name.	
Type	
Diam,	
Gravel packed: Yes D No KX Size of gravel:	
Gravel placed from	· · · · · · · · · · · · · · · · · · ·
Surface seal: Xest No D To what depth?	
Material used in sealbentonite & cement	
Did any strata contain unusable water? Yes D No D Type of water?	
Method of sealing strate of	· · · · · · · · · · · · · · · · · · ·
(7) PUMP: Menufacturer's Name	
(8) WATER LEVELS: Land-surface elevation above mean sea level	
Static level <u>4</u> Artesian pressure <u>1283</u> be, per souare inch Date	
Artesian pressurelbs, per square inch Date Artesian water is controlled by	
(Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is lowared below static level	Work started2-11-83, 19 Completed2-11-83 19
Was a pump test made? Yes 🗋 No 🗍 If yes, by whom?	
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:
o <u>p</u> P B	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level	
measured from well top to water level) Time Water Level (Time Water Level Time Water Level	NAME NORTHWESTS PUMP & DRILLING CO.
	(Person, firm, or corporation) (Type or print)
	Address 3245 Auburn Way South, Auburn, WA 98002
Date of test 45. gal/min. with 6 ft. drawdown after 1 hrs.	[Signed] . B. Je Amer
Bailer test	(Well Driller) 0097 2/17/83
Temperature of water	License No
	· · · · · · · · · · · · · · · · · · ·

(USE ADDITIONAL SHEETS IF NECESSARY)