MILLER, NASH, WIENER, HAGER & CARLSEN

ATTORNEYS AND COUNSELORS AT LAW 3500 U.S. BANCORP TOWER 111 S.W. FIFTH AVENUE PORTLAND, OREGON 97204-3699 TELEPHONE (503) 224-5858 TELEX 364462 KINGMAR PTL FACSIMILE (503) 224-0155

April 20, 1992

APR 2 4 1992

FEDERAL EXPRESS

An mount

SEATTLE OFFICE 4400 TWO UNION SQUARE 601 UNION STREET SEATTLE, WASHINGTON 98101-2352 TELEPHONE (206) 622-8484 FACSIMILE (206) 622-7485

THOMAS E. LINDLEY ADMITTED IN OREGON, WASHINGTON, AND ILLINOIS

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Mr. and Mrs. Paul Haverluk 1914 Hoxie Avenue Richland, Washington 99352

Manager of Coit Laundry 747 Stevens Drive Richland, Washington 99352

Subject: Migrating Contamination

Dear Mr. and Mrs. Haverluk and Manager of Coit Laundry:

We represent Spectrum Properties, Inc., the owner of the real property located at 701 Stevens Drive, in Richland, Washington. As you may know, an environmental investigation was recently conducted on that property, and that investigation included the installation of groundwater monitoring wells. Those wells have revealed that significant releases of trichloroethylene ("TCE") and tetrachloroethylene ("PCE") from your property are migrating onto Spectrum's property. A copy of the environmental consultant's report relating to this investigation is enclosed. This is a dangerous and potentially costly problem, and it appears that you are wholly responsible for it.

Under Washington's laws regarding nuisance, trespass, and ultrahazardous activities, the Model Toxics Control Act, and the federal superfund law, among others, you must immediately stop the release of these contaminants, and you are fully responsible for the costs of investigating and cleaning them up. Spectrum is authorized under the referenced laws and others to initiate litigation to recover any costs it may incur in dealing with these releases. <u>See, e.g.</u>, 42 USC § 9607; WAC 173-340-550(5).

Spectrum hereby demands that, at your cost, you immediately:

MILLER, NASH, WIENER, HAGER & CARLSEN

> Mr. and Mrs. Paul Haverluk - 2 - April 20, 1992 Manager of Coit Laundry

1. Stop any and all further releases of TCE and/or PCE into the environment;

2. Stop any and all migration of TCE and/or PCE onto Spectrum's property;

3. Initiate and then complete the investigation and remediation of all contamination that has reached Spectrum's property from your property; and

4. Reimburse Spectrum for all of its costs and damages relating to the TCE and PCE contamination, to date and in the future.

We hope to resolve this without litigation. However, if we do not hear from your attorney by 5 p.m. Monday, April 27, we must assume that you are not prepared to cooperate, and we will be forced to take all required legal action to stop and remove the contamination, at your cost, and to recover our damages.

Sincerely, Thomas Lindley E

cc (w/enc.): Mr. John Wietfeld Department of Ecology

LETTER OF TRANSMITTAL

APR 2 4 1992

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E.P.	JOHNSON	CONSTRUCTION,	INC.
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RT. 7,	RT. 7, BOX 430-B								
KENNE	EWICK,	WA 99337				DATE		JOB NO.	
(509) 73	(509) 735-2479						92		
FAX (5	09) 783·	-0331				ATTN: THOMA	AS E. I	INDLEY	
						RE:			
TO:	MILI	LER, NASH, W	IENER, HAGEI	<u>R & CARLSEN</u>		US BA	ANK		
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	1	4-7-92		FINAL SIT	E ASSESSI	MENT REPOR	RT		
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THESE ARE TRANSMITTED AS CHECKED BELOW:

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FOR APPROVAL FOR YOUR USE AS REQUESTED FOR REVIEW AND COMMENT	APPROVI	ED AS SUBMITTED ED AS NOTED ED FOR CORRECTIONS		RESUBMIT SUBMIT RETURN	 COPIES COPIES COPIES
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REMARKS					
СОРҮ ТО:	SIGNED:	MICHAEL BLACK,	P.E.		

FINAL REPORT US BANK FACILITY RICHLAND, WASHINGTON

Prepared for: Dean Hull, Project Manager David Evans and Associates Portland, Oregon Ę

By: Michael Black, P.E., R.E.A. E.P. JOHNSON CONSTRUCTION INC. Kennewick, Washington

March, 1992



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1.0 INTRODUCTION

1.1 Purpose

This report describes findings to date, actions taken, and the recommendations associated with a site assessment for the decommissioning of underground storage tanks at the U.S. Bank Facility at 701 Stevens Drive in Richland, Washington. The site walk-through portion of the site assessment revealed two additional poltential sources of contamination inside the facility, (1) a two stage sump serving drainage from the automobile painting room, wash rack, and floor drains, and (2) three hoist pits filled with water and hydraulic oil. We included the results of our findings with regards to these potential sources of contamination, as well. The topographic map in Appendix A provides the location of the facility at the northwest corner of Stevens Drive and Lee Blvd.

The data and documentation contained herein respond to regulatory requirements set forth by the United States Environmental Protection Agency and the State of Washington, Department of Ecology (DOE). In addition, our work responds to "due diligence" requirements set forth in the Comprehensive Environmental Response Compensation and Liabilities Act (Superfund or CERCLA) and Superfund Amendments and Reauthorization Act (SARA) for real estate transactions.

The DOE requires preservation of this report for 3 years. We recommend that you keep the report for at least 3 years and until the property is sold. The DOE also requires that a <u>Notice of</u> <u>Permanent Closure of Underground Storage Tank(s)</u> be filed with their Storage Tank Unit. We have completed this form and submitted

it to them. Appendix B contains a copy of the Notice along with the <u>Site Assessment Checklist</u>.

1.2 Scope of Work

David Evans and Associates (DEA), Project Manager, provided specifications for decommissioning of underground storage tanks (USTs) at the Property for performance by E.P. Johnson Construction Inc. (EPJ). During the evolution of the project, DEA informally amended EPJs scope to include the site assessment for removal of the USTs which includes producing this report.

Further, the scope for both DEA and EPJ expanded upon discovery of 3 hydraulic hoist pits and a sump located inside the facility. The sludge and liquid in the pits and sump were characterized, removed and properly disposed as an increase in project scope.

2.0 BACKGROUND INFORMATION

2.1 Site Description and History

The topographic map in Appendix A provides the location of the facility relative to local topographic and manmade features. Based on informal interviews and a review of aerial photos, we estimate operation of this facility dates back to the early 1950s. The facility operated as a car dealership and a full service and repair shop until sometime during the late 1970's when a mechanical contractor used it for his warehouse, maintenance shop, and offices. Current identifiable features in the shop area that could contribute to soil or water contamination include hydraulic hoists, and sump pit.

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The property contained the following USTs (Sketch 1 in Appendix A):

<u>Size (gallons)</u>	Product
1,000	waste oil and gasoline
5,000	gasoline
5,000	diesel
500	diesel no. 2
9,000	bunker oil
	1,000 5,000 5,000 500

A laundry to the north, a supermarket to the east, a service station to the south, and a high school to the west bound the property. The laundry to the north contains at least two UST's on the south west side of the laundry building (north of the site).

2.2 Site Topography and Surface Hydrology

Appendix A presents a topographic map of the general area that shows the Yakima and Columbia Rivers intersecting a relatively short distance to the south-southeast. The local topography exhibits little relief to the north, south, and east. The topography to the west contains a high ridge running north-south. The predominant local surface drainage consists of a north to south flowing (towards the Yakima River) creek and slough located approximately 1/2 block to the west of the facility. The storm drain system on this site drains to the creek and ultimately discharges into the Yakima River.

This site provides little opportunity for infiltration of surface water or contamination of surface water since it is located in an commercial area in the business district of Richland, Washington. Asphalt, concrete, and a storm drainage system provides infiltration control.

2.3 Regional Geology

As with most of the Columbia Basin area, the Spokane Floods dictated most of the recent near surface geology. In the Ice Age, a lake formed that covered most of Montana behind an ice dam in northern Idaho. When the depth of the water reached approximately 2,000 feet high and 500 cubic miles of volume, the ice dam would break. This break sent a wall of water 2,000 feet high with 500 cubic miles of water volume behind it thundering for Spokane and This flood cycle occurred at least 25 times. points southwest. As the flood waters moved from northern Idaho and northeastern Washington, they picked up substantial debris such as rock, boulders and soil. Once the waters moved to a wide area, they slowed down and deposited the debris. large rocks; The intermittent silts, and other geology on site reflects this type of occurrence.

2.4 Site Geology

Generally, the site geology consists of fine-grained sandy silt down to approximately 20 feet deep (depth of monitoring well borings). The soil adjacent Lee Blvd. exhibits a greenish hue to the silts while the remainder of the site is light brown in color. The excavation for removal of the bunker oil and diesel tanks (Sketch 2) revealed anomalous geological features. We found sandy silt near the surface (0 to 3 feet deep), a mixture of sandy silt and 20 to 60 % river rock from 3 to 10 feet deep, and river rock or more sandy silt from 8 to 13 feet deep. The river rock appeared to run north-south from the edge of the south building wall to approximately the back of the curb on Lee Boulevard. The river rock area extended approximately 12 ft. in an east-west direction.

2.5 Groundwater Hydrology and Hydrochemistry

We encountered water at approximately 10 to 12 feet below grade. We installed monitoring well (MW) nos. A,B, and C between October 1-3, 1992 (Sketch 3, Appendix A). On October 21, we measured water table levels at MW-A,B and C with static water levels of 346.61, 347.11, and 346.85 respectively which indicated a groundwater flow trend to the east.

Our drilling program continued on February 4, 5, and 6, 1992 with the installation of monitoring well nos. D and E (see sketch 3). The table below provides a summary of static water level measurements and basic hydrochemistry data:

Monitoring	2/8/92 static 2/	10/92 static I	Final Cond	uctivity
Well No.	<u>water levels</u>	<u>water levels</u>	Temp (c)	<u>micro-</u>
siemens	А	346.47	346.56	
13584				
В	346.56	346.64	15.0	1492
С	346.49	346.45	15.7	1562
D	345.38	345.86	13.6	1289
E	345.87	345.96	14.4	1211

The static data water level data confirm groundwater flow to the east. The groundwater piezometric surface contains little relief and the data requires interpretation with commensurate caution. We performed a parametric evaluation, given this uncertainty, and the data clearly indicate the groundwater trends to the east. The parametric evaluation indicates essentially equal probabilities for the water to flow east-northeast as eastsoutheast depending on the specific borehole grouping selected. However, we maintain that a flow direction in an <u>easterly direction</u>

contains sufficient accuracy to complete this site assessment and make recommendations or conclusions.

As compared to other wells, MW-D demonstrates a much slower recovery rate than the other wells. Monitoring well C contains a dark gray silt while the other wells contain a light brown silt in the water. On the average, these wells required purging of approximately 7 well volumes prior to stabilization of conductivity and temperature. The conductivity of the groundwater demonstrates higher values to the west (towards the creek) than the east (adjacent Stevens Dr.). The temperature values reveal no significant patterns for analysis or conclusions.

3.0 FIELD ACTIVITIES AND INVESTIGATIVE RESULTS

3.1 Tank Inspection

Prior to removing the tanks, we inspected the exposed pumping and pipe work for any indications of leakage. We found no evidence of leakage. The waste oil tank exhibited soil staining near the fill spout.

We inspected each tank for signs of leakage or holes after they were removed and cleaned. Only Tank Nos. 1 and 4 provided any overt visual indication of leakage (Photo plates in Appendix C for Tank 1). These tanks contained large holes. Tank No. 3 contained one smaller hole on the west end. The nature of contamination found along with the location of the piping for the bunker oil leads us to suspect a leaky bunker oil line.

3.2 Sump and Buried Utilities Assessment

Sketch 4 presents the general routing for the discharge of the

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sump inside the shop area. This sump collected drainage from floor drains, the washdown rack, and the auto-painting booth. The line discharged into storm dry well and then into the abandoned City of Richland Sanitary Sewer System located approximately 6 feet from the back of the sidewalk on Lee and Stevens streets. The current sanitary sewer system is 6 ft. off of the centerline of Lee and Stevens streets.

3.3 Soil Investigation

Appendix D contains a summary of soil/water testing locations and results exceeding action levels set by the State of Washington, Department of Ecology, <u>Model Toxics Waste Control Act</u>, February, <u>1991</u> along with the laboratory results. Overall we experienced moderate contamination associated with Tank No. 1 (Waste Oil), minor contamination associated with Tank No. 2 (gasoline) and substantial contamination associated with Tank nos. 4 and 5 containing diesel and bunker oil respectively. Sketch 2 presents an overview of contaminated areas.

In general, sample collection and control followed the protocol discussed below:

- Select a laboratory certified clean sample jar for sample collection.
- 2. Using clean latex gloves and cleaned sample shovels (trisodium phosphate, chlorine, tap water rinse, and distilled water rinse wash cycle) tightly pack the soil in the sample jar (4 oz) to the top of the jar to prevent any air space.
- 3. Label the jar with the soil sample number, the type of

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laboratory test that is required, the date, and the site name. Enter the sample on the chain of custody form.

- 4. Cool the sample in wet ice to 4 approximately degrees centigrade.
- 5. Repack the samples for shipment to the laboratory in blue ice and a cooler.

Our field techniques include thin layer chromatography (TLC) for non-volatile petroleum products (e.g. diesel, motor oil) and total organic vapor (TOV) analysis with a field instrument for volatile products. The TLC method provides direct comparison of determined values in parts per million against those requirements specified in the State of Washington, <u>Model Toxics Waste Control Act</u> (MTCA).

We determine our TOV values by using "headspace" measurements that allow the soil contamination to evaporate inside a sealed jar. We puncture the seal (aluminum foil) with a vapor probe and measure the TOV in parts per million (ppm). Any TOV value exceeding 20 ppm indicates cleanup or further testing is required. Unlike the TLC method, TOV values provide a crude correlation to actual values in the soil.

We used a GASTECH field instrument to determine the presence or absence of organic vapors emanating from the soil in headspace (soil confined in a sealed jar) during the clean up phase. This particular instrument employs the principle of heated catalytic elements in a Wheatstone Bridge circuit which react to combustible gases.

3.4 Ground Water Investigation

We evaluated the presence of petroleum contamination during the removal of tanks, during the removal of PCS, and after removal of PCS and backfilling.

3.4.1 Pre-Water Monitoring Evaluation

We collected water samples from our excavation pits during the tank decommissioning and PCS removal portion of the work. Subsequent to decommissioning and PCS removal, we installed two sampling conduit sleeves (see subsection 3.5) to recover water samples for further analysis.

Extraction of water samples directly from the pits provided unavoidable cross contamination between the excavation pits associated with individual tanks. Appendix D presents the results of our testing. Our laboratory results from the pits indicated the contamination was primarily limited to the bunker oil associated with tank 5 and in the gravel bed discussed above.

3.4.2 Sample Conduit Materials Installation, General Water Sampling Techniques, and Results

The following steps provide an overview of the sleeve materials installation techniques and water sampling methods used for this project prior the installation of monitoring wells:

- 1. Pressure wash the 10 feet long sample conduit screen and casing.
- 2. Using a power shovel, dig at least 7 feet below the groundwater surface.

- 3. Join the sample conduit screen and permanent casing sections.
- 5. Set the sleeve screen below the static water level and back pack the annulus between the outside of the screen and the hole wall with clean 5/8 inch minimum graded and washed gravel to about 3 feet above the top of the screen.
- 6. Back pack the annulus between the outside of the casing and the hole wall with bentonite to prevent contamination migration from surface water or soil moisture above the water table to the groundwater.
- Develop the sample conduit by pumping until clear water is observed.
- 8. Collect water samples in the steam cleaned steel bailer. Check each sample to confirm the absence of voids by turning the bottle on its side and looking for bubbles. The presence of bubbles indicates an invalid sample.
- 9. Cool the samples to approximately 4 degrees Centigrade in wet ice to prepare them for transportation. Transfer the samples to a cooler with blue ice for transport to the laboratory.
- 10. Decontaminate the sampling equipment.
- 11. Prepare the chain-of-custody documentation and shipping manifests for transport to the analytical laboratory.

After installing the sampling conduit sleeves, we collected samples at approximately 2 week cycles starting on May 15, 1991. We bailed at least 3 sleeve volumes and collected samples for 418.1

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and 8010 analysis using a stainless steel top bailer. All samples (MW1-1, MW2-1) demonstrated a lack of any contaminants above MTCA standards (Appendix D).

We returned on June 5 and 6, 1991 to pump approximately 300 gallons from each sleeve at a rate of approximately 10 gallons per minute. This pump down provided the following hydrological and sampling advantages:

- Removed fines from the extensive gravel and sand fill surrounding the screen.
- Established an approximate recharge rate for both sleeve of approximately 4 g.p.m. each.
- Removed turbidity from the water and provided an indication of water infiltration from outside the influence of the fill area.

Samples from Well-1 & Well-2 indicated a lack of petroleum hydrocarbons.

On June 27, we obtained sample numbers MW1-2 and MW1-3 for laboratory analysis for 418.1 (TPH) and 8015 (solvents) respectfully from the west well (MW1). The laboratory provided results above MTCA standards for TPH (2ppm with a guidance level of 1ppm).

We retested monitoring sleeve no. 1 on July 7, 1991 and found no evidence of measurable petroleum hydrocarbons (Appendix D, USB-MW-4). We conclude the 2 ppm measurement represents an anomaly in our sampling program and the likelihood of future sampling activities associated with the monitoring sleeve is unnecessary.

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3.4.3 Groundwater Contamination-Monitoring Wells

As discussed in Subsection 2.5, we installed 5 monitoring wells on the site using St. Georges Well Drilling, West Richland, Washington. A comprehensive groundwater sampling program with sampling on October 18, 1991, February 11, 1992, February 18&20, 1992, and March 3, 1992 clearly indicate a lack of petroleum fuel contamination in the groundwater (Appendix D).

However, our investigation revealed substantial solvent contamination in the far north and north-east corner of the property. A summary of solvent contamination above the State of Washington Model Toxics Control Act (MTCA) guidance levels follows:

1. Trichloroethylene (TCE)-(MTCA level: 5 parts per billion):

Monitoring Well A (adjacent laundry facility) contained levels of 12 ppb in separate analyses conducted February 12, and March 5, 1992 using EPA Method 8010. Samples analyzed on February 28, 1992 using EPA Method 8240 revealed no TCE.

Monitoring Well B (near northwest corner of building) contained TCE levels below the quantification level of 5 ppb.

Monitoring Well E (near the northeast corner of the building) contained TCE below the quantification level of 5 ppb.

2. Tetrachloroethylene (PCE)-(MTCA level: 5 ppb)

Monitoring Well A provided results of >50 ppb (EPA 8010), 1,400 ppb (EPA 8240), and 1,900 ppb (EPA 8010) on analysis performed February 12, February 21, and March 5, 1992 respectively. The > 50 ppb result reflects the analytical

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laboratories initial assessment of the contaminant and an insufficient quantity of sample was left for analysis at higher levels. (see note below)

Monitoring Well B provided no indications of PCE above the quantification level of 5 ppb.

Monitoring Well E provided results of 25 ppb (EPA 8010), and 11 ppb (EPA 8240) on analyses conducted February 12, and February 21 respectively.

Note: The samples for monitoring wells A and B were apparently reversed either in the field or in the analytical laboratory for the samples submitted February 28, 1992 for analysis by EPA method 8240. We changed the sample numbers to correct the error on the laboratory reports and reflect actual conditions. The analyses for sampling February 12 and March 5 clearly reflect that the samples for the February 28, 1992 test were reversed.

The data clearly indicate high concentrations of the above solvents adjacent the north boundary of the property and the nearby underground storage tanks operated by the laundry to the north. The semi-volatile analyses (EPA Method 8270) indicate a lack of any semi-volatiles in the groundwater associated with Monitoring Well Nos. A, and E. Further, our rinsate sample analyses demonstrated sampling equipment cleaning techniques well within acceptable standards.

3.4 Contaminated Soil

We removed 324 cubic yards of PCS from the excavation areas and transported all known PCS for treatment and later verification

of treatment results to the City of Richland landfill. Most of the PCS resulted from contamination from bunker oil. The data suggested a limited PCS challenge that lent itself to excavation and land treatment.

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4.0 CONCLUSIONS AND RECOMMENDATIONS

Our excavation and aeration of petroleum contaminated soil (PCS) south of the facility and adjacent to Lee Boulevard removed and treated accessible PCS. Analytical laboratory tests for the treated PCS indicate successful treatment and the levels of petroleum contamination remaining in the treated soil fall well below regulatory limits. Our visual examination of the completed excavation sidewalls revealed small pockets of bunker oil remaining in the capillary zone and at the groundwater surface. We conclude the small observed amounts of bunker oil present a minimal environmental risk and total removal of the small amounts of bunker oil requires excessive expenditures. Our groundwater monitoring program found no detectible bunker oil in either the dissolved aqueous phase or the groundwater surface.

The installation and sampling of monitoring wells clearly indicate an lack of petroleum contaminated groundwater associated with the leaking underground storage tanks (LUST's). Our visual examination of the sump, sump drain, and hydraulic hoist pits, after cleaning, indicate a minimal opportunity for soil or groundwater contamination. However, our monitoring well data strongly indicate substantial contamination of the groundwater with tetrachloroethylene and trichloroethylene coming from the laundry to the north.

We recommend establishing an immediate dialogue with the owners of the laundry and the State of Washington, Department of Ecology to complete the remedial investigation, conduct a feasibility study for remediation, and start remediation. The concentrations of solvents on this site represent unacceptable levels of contamination in the groundwater and contaminations plumes increase in size over time which makes delaying remedial

activities more costly in the future.

5.0 LIMITATIONS

In performing our professional services, we used a degree of care ordinarily exercised under similar circumstances by members of our profession. No warrantee, expressed or implied, is made or intended. Our conclusions and recommendations, developed from our field and laboratory investigation and reported herein represent this firm's understanding of the tank removal project and are in concurrence with generally accepted practice.

This report is prepared for the use of David Evans and Associates and their client, USBANCORP. Use of this report by third parties without our written authorization is prohibited.

APPENDIX A MAPS AND SKETCHES

Michael Black, P.E., 21Mar92

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SKETCH 4 USB-OMI 3/2019:2-



APPENDIX B REGULATORY FORMS AND NOTICES

Michael Black, P.E., 21Mar92

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UNDERGROUND STORAGE TANK Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section

	2000-00-00-00-00-00-00-00-00-00-00-00-00	Department Mail Stop PV Olympia, WA	-11	
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Owners Address:	111 5.11. 5	THAVE Sur	= 3.5.5	
	Picate Alo	CHEECH in 1 Bran	P.d. Box 97209 20-Code	
Telephone:		Grade	20-Code .	
Site ID Number (on in	voice or available from Ecolog	y If tank is registered):	2	
Site/Business Name:	DUA	Mark Share Salaha Salaha Saraha Salaha S		
She Address:	101 STEPH	ENS DRIVE	RENTON	
	RICHLAND	WA		752
2. TANK PERMAN	ENT CLOSURE/CHANGE	-IN-SERVICE PERFORMED		
Fkm:	E.P. Jorhland	Conterportion Int	- Ucense Number: <u>Sec</u>	to151
Address:	RFT BOX A3 Brook	<u>С-В</u>	P.O. Box	T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-
Telephone:	(509) 735-2	•	<u>99537</u> 8* Cooto	anera (letta din da en de de de secondad
Licensed Supervisor:	ROD SHORE		Decommissioning License Number: <u>Lal cic</u>	-08-41

		opy this form prior to com		
3. TANK CLOSURE/CHANGE-IN-SERVIC				n strin
1. Tank ID Number (as registered with Ecology	NO. 1): <u>Chill Mouriel</u>	2. Year installed:	Mome	
3. Tank capacity in galona: 10000		4. Date of last use:	19810	NKCINA
5. Lest substance stored: 410=10=	CYL	6. Date of closure/change-		Dil M
7. Type of closure: Closure with Tank Remov	val 🔀 In	place Closure	Change-In-Sen	rice
8. If in-place closure is used, the tank has been				an kana sa sa ka ka mangang sa
9. If change-in-service, indicate new substance	stored in tank:	NA		an a
10. Local permit(s) (if any) obtained from:	an a	₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	and a state of the	
Always contact local authorities regarding pe	rmit requirements.		,	
•	Yes F	No	•	
Unless an external release detection system is ope 173-360-390, a site assessment must be conducted Ecology to perform site assessments. Results of th	3、 【门记》另门员 印度更高者立内的高内作行的计		العادية المتعادية	
. CHECKLIST				
Each item of the following checklist shall	be initialed by the licens		re appears bel	OW. No NA*
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Has all product plping been capped or remov	ed?	n na	×	
Have all non-product lines been capped or re-	noved?	neurodowa z mielo za na sprze na sprze dowie do krzy za kraj z bie sobosprze mielsko na okone wysawa	×	
Have all liquid and accumulated sludges been	removed from the tank?	₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	- <u>-</u>	
Has the tank been properly purged or inerted	na an an Anna a	nie w na zwyszkie w zasta w zasta w zasta przed na starow zasta w zasta na zwanie w starow zasta w starow zast Nie w na zwanie w starow zasta w starow zasta na zwanie w starow zasta na zwanie w starow zasta na zwanie w star	X	andi tumma oʻrafati inaliya
. Have the drop tube, fill pipe, gauge pipe, pum	ps and other tank fixtures	been removed?	X	
Have all tank openings been plugged or capp	ed? NOTE: One plug sh	ould have 1/8 inch vent hole.		×
Have all sludges removed from the tank been of Washington's dangerous waste regulations	designated and disposed (Chapter 173-303 WAC)?	f of in accordance with the stat	• ×	
If removed, was tank properly labeled and dis and federal regulations?	posed of in accordance v	with all applicable local, state	X	
tem not applicable hereby certify that I have been the licensed sup to best of my knowledge they have been conduc ocedures pertaining to underground storage tai	ika in compliance with a ika.	u applicable state and federal	ut closure octiv laws, regulation	ities and to rs and
ersons submitting false information are subject	10 penalties under Chap	ler 173.360 WAC.		
if- 10-171 Date	Kirt Sha		anterestation and a state of the second state of the second state of the second state of the second state of the	an a
ADDITIONAL REQUIRED SIGNATURES		and the second		Marana Salahan Marana Maran Marana Marana Marana Marana Marana
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UNDERGROUND STORAGE TANK Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology 25 a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section

			Mail Stop PV- Olympia, WA	11 1	
	1. UST SYSTEM OV	WNER AND LOCATION	iastrational and an an	ere statis	
	Site Owner/Operator: Owners Address:	US BANKCOR		- 355	nun an markado a paga an hayaka ata ng baga baga an an
1		PCATCALO Cly	Caretani	972 27-2 20-	Brail
	Telephone:				
	Site ID Number (on Invo Site/Business Name:	Dice or available from Ecology I	tank is registered):		98499-1135775298 8 9782 142/519548-1996-517538-199-19949
	She Address:	701 STEPHE	NS DRIVE	Cex	Joan I
		RICHLAND			<u>99352</u> Code
7	2. TANK PERMANE	ENT CLOSURE/CHANGE-IN	SERVICE PERFORMED B	Y: Mr. officers of	
	Firm:	E.P. Jourson (Conterpretion Inte	- License Number:	6ert:151
	Address:	RFT, BOX ASC			. Bar 53 7
]	Telephon e :	<u>KENNIEMICK</u> CH (509) 735-24	79	æ	Code
	Licensed Supervisor:	ROD SHOREK		Decommissioning License Number:	1000041
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3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION		1011 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 - 1070 -	\$ \$ \$ 5	/*
No.2			n an	
	italled: UNI	CALCIA	121	and a constant
1. Tank capacity in gallons: 5000 4. Date of	last use: UN.	KNCIN	121	Datistarypaya
. Last substance stored: GAMECLINE 6. Date of	closure/change-In-	service:		1
. Type of closure: Closure with Tank Removal 🔀 In-place Closure	, [_] c	hanga-in-8	ervice	\square
. If in-place closure is used, the tank has been filled with the following substance:	DNA		andra y san an a	ann a suadh fha cua
. N change-in-service, indicate new substance stored in tank:	in Da management di La Cathadr Constante angereg an			(A271)//A222/00
Local permit(s) (if any) obtained from:				
Always contact local authorities regarding permit requirements.			1	
. Has a site assessment been completed? Yes 🔀 N	。 🗌			
Unless an external release detection system is operating at the time of closure or change in an 173-360-390, a site assessment must be conducted. This site assessment must be conducted Ecology to perform site assessments. Results of the site assessment must be included with the second second site assessment must be included with the site assessment must be included with the second sec	the a namon malata	فيمطغه مطغاسية أحمرهم	n	- 4 - 4
CHECKLIST	المعادية المعادية . المعادية المعادية المعادية . المعادية المعادية المعادية .			10.46
Each item of the following checklist shall be initialed by the licensed supervise	or whose signature	appears t Yes	elow. No	NA
Has all liquid been removed from product lines?	90 790 ga 400 000 000 000 000 000 000 000 000 00	×.		
Has all product piping been capped or removed?	Marakan yang kang di ka	×	and the state of the	1
Have all non-product lines been capped or removed?	ĨŢĊĨĨŦŢĊĸŎŢŎĊŎĸĬĊŢĸŊĊŊĸŢĊĸĬŔĸŎŢĿŢĊĸĬĔŎŎŢĿĊĸĿ	X		
Have all liquid and accumulated sludges been removed from the tank?	na stand a stand and a stand and a stand a stan			
Has the tank been properly purged or inerted?	ŦŦŦŦŎŎĨĊĸĨŔġĊġĊĬĬĊĸĬĊĸĸĬĊĸţĊĸĊĸŢĸŎġĊĸŎĬĊĸŎĬŔŎŢŎŦŎĬŔĬġĊĸĸĬĊĸĸĿĊ	X		
Have the drop tube, fill pipe, gauge pipe, pumps and other tank fodures been removi	90?	X		
Have all tank openings been plugged or capped? NOTE: One plug should have 1/2	inch vent hole.	X		X
Have all sludges removed from the tank been designated and disposed of in accord of Washington's dangerous waste regulations (Chapter 173-303 WAC)?			-ten mitylingen et en e	
It removed, was tank properly labeled and disposed of in accordance with all applica and federal regulations?	ible local, state	X	**********	
ern not applicable ereby certify that I have been the licensed supervisor present on site during the above best of my knowledge they have been conducted in compliance with all applicable cedures pertaining to underground storage tanks.	state and federal lo	closure oc ws, regula	tivities o tions and	und to 1
sons submitting false information are subject to penalties under Chapter 173.360 V	VAC.			
L/- 10 - 13/ Date Bigneture & Liensed Buperviser	ĨŎŎĿŎĬŎĊĨŎĸŎĊſŦĸĸŔŢĊĊŢŦĨĸġĬĬĸŰĬŔĬĬĿĬŔĸIJŢĸĸĹĬĊŢĬĬĿŎŢĸĿ	ومردان متربه ويودادا ما الاست	ىرى بى سىرىيە «ئات» («ئات» «ئات»» «ئ	
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UNDERGROUND STORAGE TANK Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711
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1. UST SYSTEM O	WNER AND LOCATION	patients at 150 standard 18	white 一個小的情報感情。###################################
Site Owner/Operator:	US BANKCU	KP	
Owners Address:	111 5. cd 5	THAVE Sur	5355 Para
	Poarcalo	Outro and	97209 DP-Com
Telephone:)		
Ske ID Number (as law			· .
Stre ID NUMber (on invi	oice of available from Ecolog	y it tank is registered):	
Site/Business Name:	DNA	ĸŎŢĔŎĿŢŎġġŖŎġġĔĸĸĸĬĸŎĸĬġĔĸŨġĔĸĨġĔĸŨġĔĸĿġĔĸĸĿĿŢĔŎĿĿĿŢĔŎġĸŔŢŎĸĔŎĔŴŎŔĸĿŎĿĿĿ <u>ĿŢĿŢĸĸĸĸ</u> ĸŢĿŢĿŢ	
Site Address:	701 STEPH	ENS DRIVE	BENTON
	RICHLAND	wa	<u> 99352</u>
	City	(Alizates	2P-Code
2. TANK PERMANE	ENT CLOSURE/CHANGE	-IN-SERVICE PERFORMED E	BY: the state of the set of the s
Fkm:	E.P. Journboard	Conterportion Int	- License Number: <u>500 (- (-)/</u>
Address:	RTT, BOX A3	D-B	P.O. Box
			99537
Telephone:	- •		∑ ⁴ -€ode
Licensed Supervisor:	ROD SHEREN		Decommissioning License Number: <u>[] (CCCCC4.</u>]
	Site Owner/Operator: Owners Address: Telephone: Site ID Number (on inv Site/Business Name: Site Address: 2. TANK PERMANE Firm: Address: Telephone:	Site Owner/Operator: D.S. BANKCU Owners Address: III S. L.S. S. Batteria Batteria Patteria State Batteria Coy Telephone: Image: State Site ID Number (on invoice or available from Ecolog Site/Business Name: DLA Site Address: Tot State Batteria Batteria Batteria Batteria Site Address: Tot State Batteria Batteria Batteria Batteria Batteria State Site Address: Tot State Batteria Batteria State State Batteria Batteria Batteria State Batteria Batteria Batteria State Batteria	Owners Address: III 5.11, 5.71, AUE 5.117 Bureau Bureau Bureau Bureau Bureau Bureau Site ID Number (on Invoice or available from Ecology # tank is registered): Dureau Site ID Number (on Invoice or available from Ecology # tank is registered): Dureau Site ID Number (on Invoice or available from Ecology # tank is registered): Dureau Site/Business Name: Dureau Bureau Bureau Bureau Bureau Bureau Bureau 2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED E Firm: E.F. Journal Contemportaria Info Address: Bureau Land Land Contemportaria Info Bureau Bureau Land Land Land Contemportaria Info Bureau Land Land Land Land Contemportaria Land Land Land Address: Bureau Land Land Land Land Land Land Land Land Land Land Land Land Land Land Land

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. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION	1000-01010-01010-1000-000-000-000-000-0	18: ST	5 [-
NO.3		Balance geological and a	CONTRACTOR OF CONTRACTOR
	VKADI	w	No. do Carrol and Anna and
. Tank capacity in gallons: <u>5050</u> 4. Date of last use: <u>1</u>	NICING	mu!	
Last substance stored: DIESEC. 6. Date of closure/change-li	n-service;	DNI	7
	Changa-In-9	1	
. If in-place closure is used, the tank has been filled with the following substance:			Elise subscript of subscript of
. If change-in-service, indicate new substance stored in tank:	and the second second second second		AMERICAN CONTRACT
. Local permit(s) (if any) obtained from:			
Always contact local authorities regarding permit requirements.			Let Miriania and Angel
. Has a site assessment been completed? Yes K			
Unless an external release detection system is operating at the time of closure or change in service, and a report	la provided a	a anociliec	ł In WA
173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person regis Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment	hered with the	Donartma	~ ~
CHECKLIST	统计组织制	Sec. 1	1474
Each item of the following checklist shall be initialed by the licensed supervisor whose signatu	ire appears	below.	and the second
	Yes	No	NA
Has all liquid been removed from product lines?	\times		
Has all product piping been capped or removed?	×		
Have all non-product lines been capped or removed?	X	-	
Have all liquid and accumulated sludges been removed from the tank?			<u> </u>
Has the tank been properly purged or inerted?			
Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?			
Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.			
		ļ	\times
Have all sludges removed from the tank been designated and disposed of in accordance with the stat of Washington's dangerous waste regulations (Chapter 173-303 WAC)?			
If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	$ \times $		
tem not applicable	and the second se	And and a second second	L
hereby certify that I have been the licensed supervisor present on site during the above listed permane e best of my knowledge they have been conducted in compliance with all applicable state and federal	nt clonire a	ctivities e	nd to
ocedures pertaining to underground storage tanks.	Hud LeRne	niona an	
rsons submitting false information are subject to penalties under Chapter 173.360 WAC.			
4-10-111 Kach Stran			
Date Bignature of Uconeed Supervisor	and the second strategy of the second se	*****	
Date Bignature of Uconsed Supervisor .			
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UNDERGROUND STORAGE TANK Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

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Underground Storage Tank Section Department of Ecology Mail Stop PV-11 Olympia, WA 98504-8711	
Olympia, WA 96504-8711	

Site Owner/Operator:	US BANKCOK	P	
Owners Address:	111 5.1d . 5.76	LAVE Sur	E 355
	Poarcalo	Oltan	P.a. Bar 97209
Telephone:)	7.559	2P-Cone
	roice or available from Ecology # tr	ank is registered):	<i>Q</i>
Site/Business Name:	DJA		•
She Address:	201 STEPHEN Bird RICHLAND	5 Daive	County
	RICHLAND	ing	\$3 99352
1971 14 1971 1971 1971 1971 1971 1971 19	City	(Rate	DP-Code
. TANK PERMANI	ENT CLOSURE/CHANGE-IN-	SERVICE PERFORMED	BY:
irm:	E.P. Joursen Co	MERUTICAL IN	C. License Number: 500 015
ddress:	RFT, BOX ASD	- 8	P.Q. Brs
	KENNIEWICK	LIA.	99537
	(509) 735-247		2P-Code
elephone:			

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3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION	TALENDO ANTINA TANANG AND	5: · · · ·	5 -
ND.A			
A Transfer Market and a state of the state o	UNICACI	NN	Conservative Service S
	UNKNIN	<u>~</u> w	2104Th State State States
5. Last substance stored: DIESCE 6. Date of closure/	change-in-service;	DNA	
7. Type of closure: Closure with Tank Removal In-place Closure	Change-In-	Service	
8. If in-place closure is used, the tank has been filled with the following substance:	4	an an an an air an	
9. If change-in-service, indicate new substance stored in tank:A	an a san an a		
. Local permit(s) (if any) obtained from:			
Always contact local authorities regarding permit requirements.			N BARCELLAND, AND
. Has a site assessment been completed? Yes No	•		
Unless an external release detection system is operating at the time of closure or change in service, and 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a per Ecology to perform site assessments. Results of the site assessment must be included with the Site Ass	son registered with the sessment Checklet /Fi	Departmen	xt of
CHECKLIST		1010-150)	• breið
reach item of the following checklist shall be initialed by the licensed supervisor whose	signature appears	below.	3151111
Has all liquid been removed from product lines?	Yes	No	NA*
Has all product piping been capped or removed?	×.		
Have all non-product lines been capped or removed?	X		
Have all liquid and accumulated sludges been removed from the tank?	X		
Has the tank been properly purged or inerted?	×		
	X		
Have the drop tube, fill pipe, gauge pipe, pumps and other tank focures been removed?	X		
Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch ven	t hole.		$\overline{\mathbf{X}}$
Have all sludges removed from the tank been designated and disposed of in accordance with of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	the state	-	
It removed, was tank properly labeled and disposed of in accordance with all applicable local, and federal regulations?	state X	1997 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	
im not applicable treby certify that I have been the licensed supervisor present on site during the above listed pe best of my knowledge they have been conducted in compliance with all applicable state and cedures pertaining to underground storage tanks.	ermanent closure ac federal laws, regula	tivities an tions and	d to
ions submitting false information are subject to penalties under Chapter 173.360 WAC.		•	
24-1031 Date Bignature et Wansed Bugenter		a frank king tag tag tag tag tag tag tag tag tag ta	
DDITIONAL REQUIRED SIGNATURES			1.
1-10-91 million	an a	and the second second second	• HTML://doi.org/10/10/10/10/10/10/10/10/10/10/10/10/10/
Date Bionstant of Liborand Barries Provider Private Roma Duries at Australiand Report	ALL		

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UNDERGROUND STORAGE TANK Permanent Closure/Change-In-Service Checklist

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Underground Storage Tank Section

Department of Ecology Mail Stop PV-11

Olympia, WA 98504-8711 Site Owner/Operator: US BANKCORF 11 S.W. STHAVE SUITE 355 Owners Address: P.O. Box arcanto 97209 Telephone: Site ID Number (on invoice or available from Ecology If tank is registered): Site/Business Name: ONA Site Address: STEPHENS C ICHLAND 一门 计分子 医骨骨的 2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY: 2011 E.P. Jourson Conterrical Inc. License Number: 200 Colling Firm: Address: P.O. 874 GLD State 995: LEAL ELLICK TP-Con (509) 735-2179 Telephone: Decommissioning KOP STORER Licensed Supervisor:

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3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION	pleting.	
	a finan manana malakan sarata manang ganan mang	
برای، ج 1. Tank ID Number (as registered with Ecology): 2. Year installed:	KNOW	<u>0</u>
3. Tank capacity in gallons: <u>Joco</u> 4. Date of last use: <u>UN</u>	Encor	2
5. Last substance stored: Buskiese citc. 6. Date of closure/change-in	-service: <u>+</u>	n n
7. Type of closure: Closure with Tank Removal K In-place Closure	Change-In-Sei	vice
8. If in-place closure is used, the tank has been filled with the following substance:		
9. If change-in-service, indicate new substance stored in tank:		
10. Local permit(s) (if any) obtained from:		
Always contact local authorities regarding permit requirements.		o E Aldo Calabarta. Novine mar Accelhente agenar
11. Has a site assessment been completed? Yes X No		
Unless an external release detection system is operating at the time of closure or change in service, and a report l 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registe Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment (s provided as s and with the De Checklist (ECY (pecified in WAC periment of 210-158).
4. CHECKLIST	ge den berliges	State Harris
Each item of the following checklist shall be initialed by the licensed supervisor whose signatur		low.
1. Has all liquid been removed from product lines?		No NA*
2. Has all product piping been capped or removed?	× ×	
3. Have all non-product lines been capped or removed?		
I. Have all liquid and accumulated sludges been removed from the tank?		
5. Has the tank been properly purged or inerted?		
5. Have the drop tube, fill pipe, gauge pipe, pumps and other tank focures been removed?		
Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.		
Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?		
If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	\mathbf{x}	
them not applicable hereby certify that I have been the licensed supervisor present on site during the above listed permanent he best of my knowledge they have been conducted in compliance with all applicable state and federal la rocedures pertaining to underground storage tanks.	closure activ ws, regulation	ities and 10 ns and
ersons submitting false information are subject to penalties under Chapter 173.360 WAC.		
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ADDITIONAL REQUIRED SIGNATURES		
$\frac{1}{10} \frac{10}{10} \frac{10}$		
Date Bignadure of Lipproved Barrisos Provider phray District of Australized Representation		<u> </u>
11 15590 X Packing Miller	Δ	2-1

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UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation shall be conducted in accordance with Chapter 173.360 WAC check or site assessment is provided in the guidance documer	, A description of the various situations requiring a site
This Site Check/Site Assessment Checklist shall be complete Ecology to perform site assessments.	d and signed by a person registered with the Department of
Two copies of the results of the site check or site assessment porting requirements in the guidance document for UST site	should be included with this checklist according to the re- e checks and site assessments.
For further information about completing this form, please of	contact the Department of Ecology UST Program.
The completed checklist should be mailed to the following a	ddress:
	Underground Storage Tank Section Department of Ecology Mail Stop PV-11 Olympia, WA 98504-8711
1. UST SYSTEM OWNER AND LOCATION	
UST Owner/Operator: U.S. BANKCOCC	

111 S.W. 5 TH AVENUE, SUITE 355 SUM

<u>DET.rcm</u>

97229 ZP-Code

BENTON

8 9	Owners	Address:

Telephone: -

Site ID Number (on Involce or available from Ecology If tank is registered):	DNA

TUI STEPHENS DRIVE

PORTCALLO City

)

DNA

Site Address:

Site	Address:	

Site/Business Name:

	-	and the second
2.	SITE	CHECK

Registered	Pers
Address:	

Telephone:

Street RUCHCAND, UNA City		County 99352
City	State	ZP-Cnde
CK/SITE ASSESSMENT CONDUCTED BY	•	
SON: KAICULAEL BLACK		
RT 1, Box 430	- 2	
Street		P.O. Box
KENNELLICIC	his	99357
City	State	20P-Code
<u>KENULEINICIC</u> City (569) 735 - 2479	******	

. TANK INFORMATION			allen openantelen op en]
1. Tank ID Number (as registered with Ecology):		Vear installed	DAKALOM		
3. Tank capacity in gallons: <u>Xlo.(</u>)			ored: 1/11<75		· · · · · · · · · · · · · · · · · · ·
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4. REASON FOR CONDUCTING SITE CHECK	SITE ASSESSMEN	IT the second second	- 1997年中午	1. A. S. S.	
Check one:					
Investigate suspected release due to or	site environmental co	ntamination			
Investigate suspected release due to of					
Extend temporary closure of UST system		,			
UST system undergoing change-in-sen					
UST system permanently closed-in-plac					
UST system permanently closed with ta					
Required by Ecology or delegated ager		sed before Decemb	er 22, 1988		
			·		

5. CHECKLIST	Dealers in market			SS 24 - 4	
 Has the site check/site assessment been conducte site check/site assessment guidance issued by the 	d according to applica Department of Ecolog	ible procedures spe ly?	cified in the UST	X	
2. Has a release from the UST system been confirme	ıd?	ar an		X	
NOTE: Owners/operators must report all confirmed relea hours.	ises to the Department of	Ecology or delegated	agancy within 24	m13 ?	8
 Are the results of the site check/site assessment er NOTE: Two copies of the site check/site assessment res reporting requirements specified in the UST site check/site 	ulls must be submitted to	the Department of Eco	ology according to the	X	
I hereby certify that I have been in responsible cha Persons submitting false information are subject t			sment described abo	>ve.	
· · ·			•	• •	
10 P PATL GI Me Date Signalu	CHARE D. Bel ure of Person Registered with Eco	all.			
6. OWNER'S SIGNATURE	· · · · · · · · · · · · · · · · · · ·			•	
Date 2.5-51 Signah			MA		
ECY 010-158 (12/90)			na an amh a bha air an	مىرىغۇرىكىتىيىرىن بىرىيورىر بىر ھورىر] paga 2

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UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

091735-0

Underground Storage Tank Section Department of Ecology Mail Stop PV-11 Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION 24 11 32 6 UST Owner/Operator: U.S BANKCOEL ß **Owners Address:** 11 5.W. 5 TH AVENUE, SUITE 355 <u>Detricul</u> State 97204 FURGERE DP-Coce Telephone: ... Site ID Number (on Invoice or available from Ecology if tank is registered): Drug Site/Business Name: DJD Site Address: STEPHENS DRIVE BENTCH County RICHERNO, 9935 WR State 7P-Code 小小小彩彩彩的小小小小 2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY: Carl Page **Registered Person:** MICHREL BLACK Address: 430-B BOX P.O. Box 61A State <u>99337</u>

Telephone:

(12/90)

1. Tank ID Number (as registered with Ecology): DHA				
	2. Year installed:	DUKNOM	Int	•
3. Tank capacity in gallons: No. 2 - 5000 GAL	4. Last substance	stored: Gr11	5	an a
	مريح و در معالي المريح و المريح و مريح و مريح و مريح و		€	-
. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSM	ENT Provident	出版的收益演算和	地计算	前計
Check one:		4 • i . •	• • •	
		•		
Investigate suspected release due to on-site environmental	l contamination			
Investigate suspected release due to off-site environmental	I contamination		• .	
Extend temporary closure of UST system for more than 12	months			
UST system undergoing change-in-service				
UST system permanently closed-in-place				
UST system permanently closed with tank removed			•	
Required by Ecology or delegated agency for UST system	closed before Decen	nbe r 22, 1988		
Other (describe):	1949 M 1940 M 1940 M 1940 M 1940 M 1940 M			
				•
CHECKLIST			的空幕动脉	
. Has the site check/site assessment been conducted according to app	licable procedures sp	pecified in the UST	¥95	No
she check/she assessment guidance issued by the Department of Ecc	ilicable procedures sp blogy?	pecified in the UST	YOS	No
she check/she assessment guidance issued by the Department of Ecc	licable procedures s blogy?	pecified in the UST	X	No
she check/she assessment guidance issued by the Department of Ecc	ology?		Mirs X	No
Has a release from the UST system been confirmed? NOTE: Owners/operators must report all confirmed releases to the Department hours.	blogy? Int of Ecology or delegate		X	No
Has a release from the UST system been confirmed? NOTE: Owners/operators must report all confirmed releases to the Department hours.	blogy? ht of Ecology or delegate ecklist? d to the Department of f	ad agency within 24	Mirs Mirs	No
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UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

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	orm is to certify the proper investi accordance with Chapter 173.360 ent is provided in the guidance do	WAL A RESERVICE OF ME	presence of a release. These activities various situations requiring a site and site assessments.
This Site Check/Site / Ecology to perform si	Assessment Checklist shall be con ite assessments.	npleted and signed by a perso	on registered with the Department of
The manine of the res		sment should be included with T site checks and site assess	h this checklist according to the re- ments.
For further information	ion about completing this form, p	lease contact the Departmer	it of Ecology UST Program.
The completed check	dist should be mailed to the follow	wing address:	
·		Underground Stor Department of Ecc Mail Stop PV-11 Otympla, WA 9850	blogy
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	WERE LOOATION STORE		
1. UST SYSTEM OV	VNER AND LOCATION		12-15年1月1日日本19月1日本195-14F94-14F9-15F
UST Owner/Operator:	11.5 BANKCOC 111 5.W. 5.M Fürscharter City	· C	an mana da mangan sa mangang kang kang kang kang kang kang kan
Owners Address:	111 5.11.50	AVENUE SU	11pt 355
	Sucon	Are wall	P.O. Box 977,79
	EORTLANCO City	State	ZP-Code
Telephone:	()	an a	
Site ID Number (on lov	olce or available from Ecology if tan	k is registered): DVQ	
Site/Business Name:			ubszyn wydrhyn Yn Arman, antonny gymnys y William Stadd by Amerikan wydd Statiolog y synyw Chillia 4000 y Yn A
	DNA		
Site Address:	TOI STEPHENS Buent RICHLAND, WI	S DRIVE	County
	RICHAND, W	R	99352
	City	State	2P-Code
2 SITE CHECK/SI	TE ASSESSMENT CONDUCTE	DBY:	
Registered Person:	MICHAEL BLAC	×	
Address:	RT T, BUNK A.	30 - B	P.O. Box
	BUCCH KEALALEINICIC		P.O. Box 99,337
•	· · ·		ZP-C50
Telephone:	(509)735 - 2479		
	•	•	

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1. Tank ID Number (as registered with Ecology): DND 2. Year installed: DNKNOMIN
3. Tank capacity in gallons: 20.3, 5000 GAL - 4. Last substance stored: DESET
4. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT 如何的意思的意思。
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-In-place
UST system permanently closed with tank removed
Required by Ecology or delegated agency for UST system closed before December 22, 1988
Other (describe):
•
5. 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. Has the site check/site assessment been conducted according to applicable procedures specified in the UST site check/site assessment guidance issued by the Department of Ecology?
2. Has a release from the UST system been confirmed?
NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 24
3. Are the results of the site check/site assessment enclosed with this checklist?
NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according to the reporting requirements specified in the UST site check/site assessment guidance.
I hereby certify that I have been in responsible charge of performing the site check/site assessment described above.
Persons submitting false information are subject to penalties under Chapter 173.360 WAC.
9 Aizzic 91 Michael J. Black
Date Signature of Person Registered with Ecology
6. OWNER'S SIGNATURE
11-15-51 APP Signature of Tark Owner or Authorized Province (V)
ECY 010-168 (12/90)

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UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

Underground Storage Tank Section Department of Ecology Mail Stop PV-11 Olympia, WA 98504-8711 1. UST SYSTEM OWNER AND LOCATION 3. UST Owner/Operator: U.S BANKCORF AVENUE, SUITE 35 **Owners Address:** 5.61. P.O. Ba 97204 RTCRNO 2P-Code State Telephone: ... Site ID Number (on Invoice or available from Ecology if tank is registered): Site/Business Name: DNA Site Address: STEPHENS DRIVE TON Sueet RICHAND, 2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY: 10 (1999) **Registered Person:** MICHREL BLACK Address: 430-B Berk P.O. Bost 61A State 99337 200 code ENLIEL/ICIC 509 135 - 2479 Telephone:

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3. TANK INFORMATION	
1. Tank ID Number (as registered with Ecology): DPA 2. Year installed: DNKNC	•
3. Tank capacity in gallons: No. 4. ECC GAC 4. Last substance stored: DIC	517-
4. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT 的中国的部分的部分的	和建筑的新闻
Check one:	ſĸĸĸĊĸŦĸĊĸĊĸĊĸĬŔĊŔſĬŔĊġĊŢĊĸĬŔĸŎŎĸĬŢĬĸĸŎŢĸĸĬŔĸĸĸĊĸĸŊĸĸŶġŎġĸĸĸ
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-in-place	
UST system permanently closed with tank removed	
Required by Ecology or delegated agency for UST system closed before December 22, 1988	
Other (describe):	an manufara sana manana da da sana ang
	•
CHECKLIST	MARSHAR AND
signature appears below. Has the site check/site assessment been conducted according to applicable procedures specified in the US site check/site assessment guidance issued by the Department of Ecology?	Yes No
sing check/sine assessment guidance issued by the Department of Ecology?	MITT
2. Has a release from the UST system been confirmed?	X
 NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 2 hours. 	1 · 1
3. Are the results of the site check/site assessment enclosed with this checklist?	
NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according reporting requirements specified in the UST site check/site assessment guidance.	to the mines
I hereby certify that I have been in responsible charge of performing the site check/site assessment describ	ed above.
Persons submitting false information are subject to penalties under Chapter 173.360 WAC.	
	-
<u>GPARE 511</u> Deter Signalue of Person Registered with Ecology	
6. OWNER'S SIGNATURE	1
C1 2 5-91 Delle Bignature of TEAL Owner or Authorized Representative	
ECY 010-166 (12/00)	page 2

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UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

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Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

UST Owner/Operator: 1.5. BRAIKCORP

DNA

Underground Storage Tank Section Department of Ecology Mail Stop PV-11 Olympia, WA 98504-8711

I. UST SYSTEM OWNER AND LOCATION	的影響。這些	

III 5. W. 5 TH AVENUE, SUITE 355 Suren PORTCANO ORTICA 97204 Chy State Dreade

Owners Address:

Telephone: ...

Site ID Number (on Involce or available from Ecology If tank is registered):

Site/Business Name:

Site Address:

TOI STEPHENS DRIVE BUGH RICHLAND, WIR State

2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person:

Address:

MICHAEL BLACK RTT, BOX 430-B BUEN P.O. BOX KERLIELLICIC ULA 993 City State Decode

(509)735-2479

Telephone:

BENTON

99337

9935

3. TANK INFORMATION	1
1. Tank ID Number (as registered with Ecology): DHA	2. Year installed: UNKNOMA
3. Tank capacity in gallons: No. 5, 5000 GAL-	2. Year installed: <u>UNKNOMAN</u> 4. Last substance stored: <u>Braker Cic</u>
4. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSM	AENT消毒性的原因。例如使品质的名称是我们的自己的
Check one:	
Investigate suspected release due to on-site environmenta	
Investigate suspected release due to off-site environmental	
Extend temporary closure of UST system for more than 12	•
UST system undergoing change-in-service	
UST system permanently closed-in-place	·
UST system permanently closed with tank removed	
Required by Ecology or delegated agency for UST system	closed before December 22, 1988
Other (describe):	
5. CHECKLIST	·····································
Each item of the following checklist shall be initialed by the perso signature appears below.	on registered with the Department of Ecology whose
	Yes No
 Has the site check/site assessment been conducted according to app site check/site assessment guidance issued by the Department of Eco 	licable procedures specified in the UST
	merce
2. Has a release from the UST system been confirmed?	
NOTE: Owners/operators must report all confirmed releases to the Departmen hours.	t of Ecology or delegated agency within 24
3. Are the results of the site check/site assessment enclosed with this che	
NOTE: Two copies of the site check/site assessment results must be submitted reporting requirements specified in the UST site check/site assessment guidan	d to the Department of Ecology according to the Marca
I hereby certify that I have been in responsible charge of performing the	he site check/site assessment described above.
Persons submitting false information are subject to penalties under C	Chapter 173.360 WAC.
9 Dien. 91 America	J. Black
Dese Signature of Person Registered with	Ecology
6. OWNER'S SIGNATURE	The state of the second state of the second
1,200 AZO	
Dele Signature of Tank Owner or Authoritz	Dod Representative H////
	v
ECY 010-188 (12/90)	page 2

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CERTIFICATE OF DEMOLITION

Tank Owner
Name US BANCORP
Address 111 S.W. FIFTH AVENUE, SUITE 355
PORTLAND, OR 97204
Phone (503) 275-3945
CONSTRUCTION, INC. Box 430-B ck, WA 99337 735-2479 Decomnissioned
nk Size Last Product Stored
GALLON DIESEL
GALLON WASTE OIL
GALLON GASOLINE
GALLON DIESEL
GALLON BUNKER OIL
disposed?
Location PASCO, WASHINGTON
Location
Location
10 Date <u>4-10-91</u>

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APPENDIX C PHOTOGRAPHIC DOCUMENTATION

Michael Black, P.E., 21Mar92

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PLATE NUMBER 1



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PLATE NUMBER 2



PLATE NUMBER 3

APPENDIX D

LABORATORY ANALYSIS AND FIELD TEST RESULTS

Michael Black, P.E., 21Mar92

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Project: U.S. Bank Property- 701 Stephens Brive, Richland, Va. Client: Bave Evans and Associates (Bernie Brown), Portland, Oregon

Totes:

- 1. The number designations under "type of test" such as 8015 (total parts hydrocarbons gasoline or diesel, 8020 (benzene, toluene, ethyl benzene and xylenes[BTEX] in soil), 602 (BTEX in water), 7421 or 6010(lead), 1311 (ICLP), 8010 (volatile organics) etc. designate the Environmental Protection Agency recommended test procedure.
- 2. The "hsp" abbreviation designates a headspace reading using the Total Organic Vapor (TOV) reading by a field instrument of volatilize emitted from a sample in a scaled jar.
- 3. The "TLC" abbreviation indicates the thin layer chronatography laboratory technique used in the field to screen non-volatile compounds (substances heavier than gasoline such as diesel).
- 4. The abbreviation "dna" represents does not apply when the results fall below project, local government, or state/federal regulatory limits.

lunder.	Type of Test	lesults (ppn/ppb)	<u>Matrix & Sample No.</u>	Sample Location and Description
1	418.1	dna	soil: USB1-1	Pit from Tank Wo. 1-morth side 5 feet deep in silty sand soil.
	8020	dna		
	7421	dna		
2	418.1	dna	soil: USB1-2	Pit from Tank No. 1-bottom of tank north side 8 feet deep in silty sand soil.
	8020	dna		uccy 10 5116; 3000 2011.
	7421	dva		
	/ - 21	474		
3	418.1	đna	soil: USB1-3	Pit from Tank No. 1- east side 8 feet deep in silty sand soil. Some rocks in soil matrix.
	8020	dna		
	7421	dna		
4	418.1	770 ppn	soil: USB1-4	Pit from Tank No. 1- west side, 8 feet deep in silty
		1	٢	sand soil with some rocks in soil matrix.
	8020	đna		
	7421	40 ppn		
5	418.1	940 ppn	soil: USB1-5	Pit from Tank No. 1- south side, 8 feet deep in

<u>Funder</u>	Type of Test	lesults (pps/ppb)	<u>Matrix & Sample No.</u>	Sample Location and Description
				silty sand soil with some rocks in the soil matrix.
	8020	daa		
	7421	dna		
	TCLP	dna		
	8010	dna		
6	418.1	1,300 ppm	soil: USB1-6	Pit from Tank No. 1 during clean up- floor of west
				end of excavation (approximately 8 ft. west of west
				wall in final excavation) and 8 feet deep. Sandy
				silt with some rock.
	TLC	doa	soil: TK1-J1	West wall of final lateral excawation (14 ft. north
				and south by 17 feet east west) and 5 feet deep.
				Sandy silt.
	TLC	>1,000 ppm	soil: TK1-J2	West end of 8 ft. deep pit at same location as USB1-
				6. Sandy silt and rock.
	TLC	doa	soil: TK1-J3	Southwest corner of final lateral pit at 7 feet
				deep. Sandy silt and rock.
7	418.1	dna	soil: USB1-7	Bottom of final depth (11.5 feet) in 14 ft. by 8
				feet excavation in west end of pit. Light colored
				caliche layer.
	TLC	dna	soil: TK1-J4	
8	8015/8020/7421	dna	soil: USB-2-1	East end of pit at 6 feet deep.
9	8015/8020/7421	doa	soil: USB-2-2	Middle of tank excavation at 8 feet deep.
	418.1	6 pp1	water: USB2-2W	Water level at approximately 11 feet deep.
10	8015/8020/7421	1,600 ppn-gas	soil: USB-2-3	West end of tank excavation at 6 feet deep. Mostly
				silty sand with 1 inch minus rock.
		>50,000 ppb m,p xylene		
11	8015/8020/7421	dna	soil: USB-2-4	Left of lateral center-line 4.5 feet (facing north)
				at 7 feet deep. Sandy silt.
12	8015/8020/7421	. dna	soil: USB-2-5	Right of lateral center-line 3 feet (facing north)
				at 7 feet deep. Sandy silt.
13	8015/8020	dna	soil: USB-2-6	North wall of excavation adjacent office slab and 9
				feet east of water meter at 5.5 feet deep. Some 2

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Tubber	Type of Test	lesults (ppu/ppb)	Matrix & Sample No.	Sample Location and Pescription
	bsp	50 ppm	soil	South wall of excavation and 5.5 feet east of water
			-	line at 6 feet deep. Some rock in silty sand.
14	8015/8020	dna	soil: USB-2-7	Bottom of excavation at groundwater level of about
				10 feet deep 1 ft. east of water line. Brown sandy
				silt.
	àsp	60 ppm	soil	
	8015/8020	daa	water: USB-2-1W	Excavation pit from Tank No. 2 (gas).
15	8015/8020/7421	daa	soil: USB-3-1	East end of 6.5 by 17.5 ft. excavation at about 10
				feet deep. Sandy silt and dark clay.
16	8015/8020/7421	doa	soil: USB-3-2	Center of excavation at fill/soil interface at about
				10 feet deep. Sandy silt with some clay (stained
				gray or green).
17	8015/8020/7421	dna	soil: USB-3-3	South wall of excavation near lateral center at
				about 10 feet deep. Sandy silt with some clay.
18	8015/8020/7421	dna	soil: USB-3-4	Northwest corner of excavation at about 10 feet
				deep. Sandy silt with some clay.
19	8015/8020/7421	dna	soil: USB-3-5	Vest end of excavation at soil fill interface at
				about 11 feet deep. Starting to pick up a lot more
				rocks in the bottom of the excavation. Still sandy
				silt, some altered clay and more rocks.
20	418.1	dna- 150 ppm oil	soil: USB-4-1	East end of tank excavation in bottom soil at about
				6 feet deep in rocky soil.
21	8015	dna	soil: USB-4-2	Middle and bottom of tank.
22	418.1	dna	soil: USB-4-3	West end of excavation.
23	418.1	4,200 ppm	soil: USB-5-1	Northeast corner of Tank No. 5 excavation at about
	8015	4,400 ppm		10 feet deep in the river rock with some soil.
	8020/lead	sab		Sample from soil matrix and excavation approximately
				8 feet by 24 feet.
	602	dna	water: USB-5-1W	Water sample at 12 feet deep in proximity of USB-5-1
				soil sample location.
24	418.1	1,400 ppm	soil: USB-5-2	East end of excavation for Tank No. 5 at 8 feet deep
		. .		in sandy silt and clay.
	8015	1.4ppm	water: USB-5-2W	

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Innber	Type of Test	leselts (ppb/ppb)	Matrix & Sample No.	Sample Location and Description
	8020/8015	dna		
25	418.1/8015/lead	dna	soil: USB-5-3	Southeast corner of Tank No. 5 excavation at 11.
				feet deep in river rock and silty sand. Water leve
				at 12 feet deep.
26	418.1/8015	d da	soil: USB-5-4	Southwest corner of pit at 10 feet deep in gray cla;
27	418.1/8020/lead	doa	soil: USB-5-5	West end of excavation in river rock at water lev
				(12 feet deep).
	418.1	520 ppm	soil: USB-5-5a	
28	418.1	96 ppm	soil: 1 4-1J	Northwest corner of final cleanup excavation again
				facility basement wall. Mostly in river rock.
29	418.1	42 ppm	soil: 14-2 J	Center of cleanup excavation near facility baseme
				wall to north and roughly parallel to end of form
				location of east end of Tank No. 4. Starting to g
				into clay below 6 feet deep.
30	418.1	270	soil: 14-2J	Hear west end of office facility approximately
				feet deep. Substantial river rock exceeding 50 %
31	601	dna	water/sludge:USB P-1	Concrete lined abandoned wash sump pit insi
				facility.
32	PCB	dna	USB-BP-1B	Fugitive hydraulic oil in concrete lined hoist pi
				One of 3 pit with this pit representing the easter
				most pit in the facility.

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Date of Report: February 15, 1991 Date Submitted: February 12, 1991 Project: 9196 US Bank @ Lee & Stevens Drive

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR BTX AND ETHYLBENZENE USING PURGE AND TRAP (EPA METHOD 602/8020) Results Reported as ng/g (ppb)

<u>Sample</u> I.D.	<u>Dilution</u> Factor	Benzene	Toluene	<u>Et-Benzene</u>	Xy m,p	<u>vlene</u> Q
USB1-1	5	<5	<5	<5	<5	<5
USB1-2	5	<5	<5	<5	<5	<5
USB1-3	5	<5	<5	<5	<5	<5
USB1-4	50	80	1300	430	2100	870
USB1-5	5	70	250	30	130	50
Quality Ass	urance					
Method Blan	k 5	<5	<5	<5	<5	<5
USB1-1 (Duplicate)	5)	<5	<5	<5	<5	<5
USB1-1 Matrix Spil Per Cent Re		58%	60%	60%	60%	60%
USB1-1 Matrix Spil Per Cent Re	ke Duplicato scovery	61% e	65%	63%	64%	65%



Date of Report: February 15, 1991 Date Submitted: February 12, 1991 Project: 9196 US Bank Lee & Stevens Drive

	SAMPLES FOR	ANALYSES OF ENVI LEAD BY GRAPHITE EPA METHOD 7421		
<u>Sample #</u>	<u>Matrix</u>	Dilution	Lead	
USB1-1	soil	250	(ppm) <1	
USB1-2	soil	250	20	
USB1-3	soil	500	20	
USB1-4	soil	750	40	
USB1-5	soil	1500	70	
Quality Assurance				
Method Blank	:		<1	
USB1-5 (Matrix Spi Per Cent Re		1500	75%	



Date of Report: February 18, 1991 Date Submitted: February 13, 1991 Project: US Bank @ Lee and Stevens

> RESULTS OF ANALYSES OF SAMPLES FOR GASOLINE BY MODIFIED EPA METHOD 8015

<u>Sample #</u>	Matrix	Dilution <u>Factor</u>	<u>Gasoline</u> (ppm)
USB-2-1	soil	2	<2
USB-2-2	soil	2	<2
USB-2-3	soil	2	(1600)
USB-2-4	soil	2	<2
USB-2-5	soil	2	<2

<u>Quality Assur</u> Method Blank	cance	2	<2
			_
USB-2-1 (Duplicate)	soil	2	<2
USB-2-1 Matrix Spike Per Cent Rec		2	130%
USB-2-1 Matrix Spike Per Cent Rec		2	100%



Date of Report: February 18, 1991 Date Submitted: February 13, 1991 Project: US Bank @ Lee and Stevens

RESULTS OF ANALYSES OF ENVIRONMENTAL SAMPLES FOR BTX AND ETHYLBENZENE USING PURGE AND TRAP (EPA METHOD 8020) Results Reported as ng/g (ppb)

<u>Sample</u> I.D.	<u>Dilution</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Et-Benzer</u>	<u>ne X</u>	<u>ylene</u>
USB-2-1	Factor 5	<5	<5	<5	<u>m,p</u> <5	<u>0</u> <5
USB-2-2	5	<5	<5	<5	<5	<5
USB-2-3	50	<50 ^a	<1000 ^a	10000	>50,000	15000
USB-2-4	5	<5	<5	<5	12	7
USB-2-5	5	<5	<5	<5	<5	<5
<u>Quality Ass</u>	urance					
Method Blan	k 5	<5	<5	<5	<5	<5
02014-1	5	<5	<5	<5	<5	<5
02014-1 Duplicate	5	<5	<5	<5	<5	<5
02014-1 Matrix Spi Per Cent Re		58%	61%	60%	60%	60%
02014-1 Matrix Spil Per Cent Ro	5 ke Duplicate ecovery	61% 2	65%	63%	64%	65%

a - Interferences were present which prevented accurate identification of the analyte indicated.

	CHAIN OF CUSIODY HECORD			NHC C	-	Droiort #	1.5.	1.5. Burney	
E.P. JOHNSON CONSTRUCTION, INC. Rt. 7 Box 430-B	·	2-038	038				ā		
Kennewick, wasimiguon 3300 Phone (509) 735–2479 Fax (509) 783–0331			LABORATORY: ADDRESS: TELEPHONE:		F (9	134 COURT N.E. 820-4551	। • म •	REDMOND, WA.	98052
SAMPLES TAKEN BY: / CM AUM	deg	Ö	CONTACT:		STEVE LOAGUE	ы			
	Container	etc.C	Time		Sample Type	Water Other	Jer	Analysis Required	Cont. Level
Sample No. Location	La Clear			_		-	C		1
USB-C-/ Carden dem	/ A		1513		×			Composite	1
120-0-2 (Panhall	~	12/10 1	1515		×		삭	HCID	L
15 2 - 5 - 4	11	116	1518		×		4		ال
	11	12/16 1	1522		X		4		7
		•			-+-				
NOTE – Contamination Level is the suspected level of contamination. L – Low M – Medium H – High	pected level of cont H – High	amination.							
i	wait a	US	Same	les.					
SIGNATLIRES: (Name, Company, Date and Time	d Time)								
Thread Rind	2. J. 2/16/	1 1600	A Bo	4 Balinonichad hv	Å				
1. Relinquished by: // where a second se	12/16/9	1 400	t He	Received by:					
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			6. LA	BORATOF	6. LABORATORY RECIEPT BY:.	BY:			
3. Heinquisried by.			N	IMBER OF	NUMBER OF SAMPLES:		DATE/TIME:		



HYDROCARBON INDENTIFICATION

Sample #	GC Characterization	Surr. Recovery
MWD-7A,B,C	<1 ppm Motor Oil <0.2 ppm Gasoline <0.5 ppm Diesel Fuel	94%
MWE-8A,B,C,D	<1 ppm Motor Oil <0.2 ppm Gasoline <0.5 ppm Diesel Fuel	72%

Method Blank	<1 ppm Motor Oil	67%
	<0.2 ppm Gasoline	
	<0.5 ppm Diesel Fuel	



Matrix: Water Units: ng/mL (ppb)

ANALYSIS BY EPA METHOD 601/8010

Sample #:

MWE-8A, B, C, D
1

Dilution Factor

Analyte:

1,1-Dichloroethylene Methylene Chloride t-Dichloroethylene 1,1-Dichloroethane Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Trichloroethylene 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethylene Dibromochloromethane Chlorobenzene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <
1,3-Dichlorobenzene 1,4-Dichlorobenzene	
1,2-Dichlorobenzene	<1
Surrogate Recovery	117%

J-The value indicated was below the practical quantitation limit.



Matrix: Water Units: ng/mL (ppb)

ANALYSIS BY EPA METHOD 601/8010

Quality Assurance

		\cap	
Sample #	Method	(MWE-8, A, B, C	Matrix
	<u>Blank</u>	Duplicate	<u>Spikes</u>
<u>Analyte:</u>			@ 10 ppb
1,1-Dichloroethylene	<1	<1	4000 KIN 480
Methylene Chloride	<1	<1	123/120%
t-Dichloroethylene	<1	<1	
1,1-Dichloroethane	<1	<1	
Chloroform	<1	<1	
1,1,1-Trichloroethane	<1	<1	122/118%
Carbon Tetrachloride	<1	<1	
1,2-Dichloroethane	<1	<1	117/111%
Trichloroethylene	<1	2 ^J	113/109%
1,2-Dichloropropane	<1	<1	
Bromodichloromethane	<1	<1	
cis-1,3-Dichloropropene	<1	<1	CT2 0.01 440
trans-1,3-Dichloropropene	<1	<1	
1,1,2-Trichloroethane	<1	<1	
Tetrachloroethylene	<1	24	A
Dibromochloromethane	<1	<1	
Chlorobenzene	<1	<1	600 600 60 0
Bromoform	<1	<1	
1,1,2,2-Tetrachloroethane	<1	<1	1020 4380 1010
1,3-Dichlorobenzene	<1	<1	
1,4-Dichlorobenzene	<1	<1	a a =
1,2-Dichlorobenzene	<1	<1	607
7	1008	1178	112/1008
Surrogate Recovery	103%	112%	113/109%

A-Matrix Spike data not required due to high sample concentration. J-The value indicated was below the practical quantitation limit.



Matrix: Water Units: ng/mL (ppb)

ANALYSIS BY EPA METHOD 601/8010

Sample #: Dilution Factor	MWA-4		<u>MWD-7A,B,C</u> 1	<u>S-RW</u> 1
Analyte:				
1,1-Dichloroethylene Methylene Chloride t-Dichloroethylene 1,1-Dichloroethane Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Trichloroethylene 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethylene Dibromochloromethane Chlorobenzene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	$ \begin{array}{c} <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\ <1 \\$	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <
Surrogate Recovery	116%	103%	108%	99%

a-Insufficient sample for reanalysis at higher dilution.

J-The value indicated was below the practical quantitation limit.

Z-Interferences were present which prevented the quantitation of the analyte indicated below the given detection limit.



Matrix: Water Units: ng/mL (ppb)

ANALYSIS BY EPA METHOD 601/8010

Quality Assurance

Sample # <u>Analyte:</u>	Method <u>Blank</u>	MWA-4 <u>Original</u>	MWA-4 <u>Duplicate</u>	Matrix <u>Spikes</u> @ 1000 ppb
1,1-Dichloroethylene Methylene Chloride	<1 3 ¹	<1 <1	<1 <1	 112/129%
t-Dichloroethylene	<1	<1	<1	
1,1-Dichloroethane	<1	<1 1 ⁵	<1 1 ¹	10C3 4040 4900 .
Chloroform	<1			tiert deut alles
1,1,1-Trichloroethane	<1	<1	<1	115/113%
Carbon Tetrachloride	<1	<1	<1	
1,2-Dichloroethane	<1	<1	<1	110/110%
Trichloroethylene	<1	12	13	79/74%
1,2-Dichloropropane	<1	<1	<1	
Bromodichloromethane	<1	<1	<1	(22) (22) (23)
cis-1,3-Dichloropropene	<1	<1	<1	
trans-1,3-Dichloropropene		<1	<1	
1,1,2-Trichloroethane	<1	<1	<1	diate trans dealer
Tetrachloroethylene	<1	>50 ^a	>50ª	A
Dibromochloromethane	<1	<10 ²	<10 ²	
Chlorobenzene	<1	<5 ²	<5 ²	
Bromoform	<1	<5 ²	<5 ²	
1,1,2,2-Tetrachloroethane	<1	<1	<1	datis datab with
1,3-Dichlorobenzene	<1	<1	<1	
1,4-Dichlorobenzene	<1	<1	<1	
1,2-Dichlorobenzene	<1	<1	<1	
Surrogate Recovery	103%	116%	117%	118/112%

a-Insufficient sample for reanalysis at higher dilution.
A-Matrix Spike data not required due to high sample concentration.
J-The value indicated was below the practical quantitation limit.
Z-Interferences were present which prevented the quantitation of the analyte indicated below the given detection limit.

CHAIN OF CUSTODY RECORD

153 - 0190

Project #____ Page_

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E.P. JOHNSON CONSTRUCTION, INC. Kennewick, Washington 99337 Phone (509) 735-2479 Fax (509) 783-0331 Rt. 7 Box 430-B

SAMPLES TAKEN BY: NO. 23 CA

98052 - REDMOND, WA. 134 COURT N.E. (206) 820-4551 STEVE LOAGUE 12277 LABORATORY: ASI TELEPHONE: ADDRESS: CONTACT:__

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			Τ		ŤΪ	7	<			Ī	٢	1		
Cont.	Level	7	57	7	, . , , , , , , , , , , , , , , , , , ,	1	7	/	J	7	J	Ĺ.	7	5
Analysis	Required	HCID	HCID	HCID	(1)-1)	ADIS-HOLD	402-HOND	HUD	and-2000	602 - HOLD	(p01-502-	ACID :	ACID	HELD !
	Water Other					`	!							
	Water	X	۲.	×	X	x	X	X	X	x	X	×	x	λ.
Sample Type	Soil													
Sampl	Air													
	Bulk													
	Time	\		١.	25/11/2	N								
	Date	State	20/11/22	2 Mar	ATTEN A	-2 6/11/2	+	:	٤	2	۲	2	ミ	-~
Container	Description	fonl.	Acome	Aom.e.	Romè	1 4102	ROM'S.		16105	HOME	*	Acme	11	/7
	Location	111 \$ 0	MUN B B	MIC	KNW D	~~	11	ANI F	~	, ,	2	KNU/15	NALL-E	<i>LISE</i>
	Sample No.	V 111.13 - 4	_	9-21-21	Contraction of the second			And - a and -	EX - Kin				10000	BUS-R.W

NOTE - Contamination Level is the suspected level of contamination.

H – High M - Medium L - Low

Special Instructions:_

SIGNATURES: (Name, Company, Date and Time)

SOPM. 1350 Sumalar 1. Relinquished by. Mye Luce, 13 Lout Received by. Themale H

2 2. Relinquished by:

3. Relinquished by: Received by:___

Received by:__

Tammy C. Henry NUMBER OF SAMPLES: & DATE/TIME: 2-12-92 6. LABORATORY RECIEPT BY: 5. Relinquished by. Received by.__

Pary Express # 4825558

4. Relinquished by._

Received by:_

01.0

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206) 922-2310 - FAX (206) 922-5047

ANALYTICAL NARRATIVE

Client: E.P. Johnson Construction Date: February 28, 1992 Project: USB-0191 Lab No.: 22777 Delivered by: Pony Express

Date Sampled: 02-18-92

Condition of Samples on Receipt:

Samples were received cold and in good condition. Chain-of-custody was in order.

EXTRACTION AND ANALYSIS DATES

Samples were analyzed for volatile organics by GC/MS in accordance with EPA SW-846 Method 8240. Samples were analyzed on 02-24-92.

Samples were analyzed for semi-volatile organics by GC/MS in accordance with EPA SW-846 Method 8270. Water samples were extracted on 02-25-92 and analyzed on 02-26-92.

Samples were analyzed for Purgeable Halocarbons by GC/HALL in accordance with 40 CFR 136, Appendix A, Method 601 on 02-25-92

All Quality Control was within acceptable limits.

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: E. P. Johnson Construction Date: February 28, 1992

Report On: Analysis of Water

Lab No.: 22777-1 Page 1 of 2

<u>IDENTIFICATION:</u> Sample Received on 02-21-92 Project: USB-0191 Client ID: MWE-10

ANALYSIS:

Sample was analyzed in accordance with Test Methods for Evaluating Solid Waste, (SW-846), U.S.E.P.A., 1986 Method 8240 (Volatile Organics)

CAS No.	Compounds	Concentration ug/l	PQL
74-87-3	Chloromethane	ND	10
74-83-9	Bromomethane	ND	10
75-01-4	Vinyl Chloride	ND	10
75-00-3	Chloroethane	ND	10
75-09-2	Methylene Chloride	ND	5
67-64-1	Acetone	ND	50
75-15-0	Carbon Disulfide	ND	5
75-35-4	1,1-Dichloroethene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
540-59-0	1,2-Dichloroethene (Total)	ND	5 5 5
67-66-3	Chloroform	ND	5
107-06-2	1,2-Dichloroethane	ND	5
78-93-3	2-Butanone	ND	25
71-55-6	1,1,1-Trichloroethane	ND	5
56-23-5	Carbon Tetrachloride	ND	5
108-05-4	Vinyl Acetate	ND	25
75-27-4	Bromodichloromethane	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	Cis-1,3-Dichloropropene	ND	5
79-01-6	Trichloroethene	ND	5
124-48-1	Dibromochloromethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5

ND = Not Detected

Continued

? I report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.
E. P. Johnson Construction Project: USB-0191 Lab No. 22777-1 Page 2 of 2 February 28, 1992

Client ID: MWE-10

EPA Method 8240 Continued

CAS No.	Compounds	Concentration ug/l	PQL
71-43-2 $10061-02-6$ $75-25-2$ $108-10-1$ $591-78-6$ $127-18-4$ $79-34-5$ $108-88-3$ $108-90-7$ $100-41-4$ $100-42-5$ $1330-20-7$	Benzene Trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethyl Benzene Styrene Total Xylenes	ND ND ND ND 11 ND ND ND ND ND ND	5 5 25 5 5 5 5 5 5 5 5 5 5 5 5

ND = Not Detected

PQL - Practical Quantitation Limit - These are the detection limits for this sample. This number is based on sample size, matrix and dilution required.

Volatile Surrogates

Surrogate	Percent Recovery	Control Limits
Toluene - D8	95	81 - 117
Bromofluorobenzene	97	74 - 121
1,2-Dichloroethane D4	107	70 - 121

SOUND ANALYTICAL SERVICES

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: E. P. Johnson Construction Date: February 28, 1992

Report On: Analysis of Water

Lab No.: 22777-2 Page 1 of 2

IDENTIFICATION: Sample Received on 02-21-92 Project: USB-0191 Client ID: MWA-11 MK/B-13 OK MM-3

ANALYSIS:

Sample was analyzed in accordance with Test Methods for Evaluating Solid Waste, (SW-846), U.S.E.P.A., 1986 Method 8240 (Volatile Organics)

CAS No.	Compounds	Concentration ug/1	PQL
74-87-3 74-83-9 75-01-4 75-00-3 75-09-2 67-64-1 75-15-0	Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide	ND ND ND ND ND ND	10 10 10 5 50 5
75-15-0 75-35-4 75-34-3 540-59-0 67-66-3 107-06-2 78-93-3 71-55-6 56-23-5 108-05-4	1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (Total) Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Vinyl Acetate	ND ND ND ND ND ND ND ND	5 5 5 5 25 5 25 5 5
75-27-4 78-87-5 10061-01-5 79-01-6 124-48-1 79-00-5	Bromodichloromethane 1,2-Dichloropropane Cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane	ND ND ND ND ND	5 5 5 5 5 5 5

ND = Not Detected

Continued

industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

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E. P. Johnson Construction Project: USB-0191 Lab No. 22777-2 Page 2 of 2 February 28, 1992

Client ID: MWA-13

EPA Method 8240 Continued

CAS No.	Compounds	Concentration ug/l	PQL
71-43-2 $10061-02-6$ $75-25-2$ $108-10-1$ $591-78-6$ $127-18-4$ $79-34-5$ $108-88-3$	Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene	ND ND ND ND ND ND ND	5 5 25 5 5 5 5 5
108-90-7 100-41-4 100-42-5 1330-20-7	Chlorobenzene Ethyl Benzene Styrene Total Xylenes	ND ND ND ND	5 5 5 5

ND = Not Detected

PQL - Practical Quantitation Limit - These are the detection limits for this sample. This number is based on sample size, matrix and dilution required.

Volatile Surrogates

Surrogate	Percent Recovery	Control Limits
Toluene - D8	102	81 - 117
Bromofluorobenzene	91	74 - 121
1,2-Dichloroethane D4	100	70 - 121

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SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: E. P. Johnson Construction Date: February 28, 1992

Report On: Analysis of Water

Lab No.: 22777-3 Page 1 of 2

IDENTIFICATION: Sample Received on 02-21-92 Project: USB-0191 Client ID: MWB-13 Anthon-11

ANALYSIS:

Sample was analyzed in accordance with Test Methods for Evaluating Solid Waste, (SW-846), U.S.E.P.A., 1986 Method 8240 (Volatile Organics)

		. The second	Children and a supervise of the supervis
CAS No.	Compounds	Concentration ug/l	PQL
74-87-3	Chloromethane	ND	400
74-83-9	Bromomethane	ND	400
75-01-4	Vinyl Chloride	ND	400
75-00-3	Chloroethane	ND	400
75-09-2	Methylene Chloride	ND	200
67-64-1	Acetone	ND	2,000
75-15-0	Carbon Disulfide	ND	200
75-35-4	1,1-Dichloroethene	ND	200
75-34-3	1,1-Dichloroethane	ND	200
540-59-0	1,2-Dichloroethene (Total)	ND	200
67-66-3	Chloroform	ND	200
107-06-2	1,2-Dichloroethane	ND	200
78-93-3	2-Butanone	ND	1,000
71-55-6	1,1,1-Trichloroethane	ND	200
56-23-5	Carbon Tetrachloride	ND	200
108-05-4	Vinyl Acetate	ND	1,000
75-27-4	Bromodichloromethane	ND	200
78-87-5	1,2-Dichloropropane	ND	200
10061-01-5	Cis-1,3-Dichloropropene	ND	200
79-01-6	Trichloroethene	ND	200
124-48-1	Dibromochloromethane	ND	200
79-00-5	1,1,2-Trichloroethane	ND	200

ND = Not Detected

Continued

E. P. Johnson Construction Project: USB-0191 Lab No. 22777-3 Page 2 of 2 February 28, 1992

> HOTES : SAMPLES FROM A &B SUBTRENED IN FICED OR LAD. O NOR DATA CONFILMS

Client ID: MWB-13- MWA-11 OK MTB

EPA Method 8240 Continued

CAS No.	Compounds	Concen	tration ug/l	PQL
71-43-2 10061-02-6 75-25-2 108-10-1 591-78-6 127-18-4 79-34-5 108-88-3 108-90-7 100-41-4 100-42-5 1330-20-7	Benzene Trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethyl Benzene Styrene Total Xylenes	*	ND ND ND ND 1,400 ND ND ND ND ND ND	200 200 200 1,000 200 200 200 200 200 200 200 200 200

ND = Not Detected

PQL - Practical Quantitation Limit - These are the detection limits for this sample. This number is based on sample size, matrix and dilution required.

Volatile Surrogates

Surrogate	Percent Recovery	Control Limits
Toluene - D8	96	81 - 117
Bromofluorobenzene	96	74 - 121
1,2-Dichloroethane D4	107	70 - 121

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Report To: E. P. Johnson Construction Date: February 28, 1992

Report On: Analysis of Water

Lab No.: 22777-4 Page 1 of 3

<u>IDENTIFICATION:</u> Sample Received on 02-21-92 Project: USB-0191 Client ID: MWE-9

ANALYSIS:

Sample was analyzed in accordance with Test Methods for Evaluating Solid Waste, (SW-846), U.S.E.P.A., 1986 Method 8270 (ABN Semivolatiles)

CAS No. Compounds	Concentration ug/l	PQL
108-95-2Phenol111-44-4bis(2-Chloroethyl) ether95-57-82-Chlorophenol541-73-11,3-Dichlorobenzene106-46-71,4-Dichlorobenzene100-51-6Benzyl Alcohol95-50-11,2-Dichlorobenzene95-48-72-Methylphenol9638-32-9bis(2-Chloroisopropyl)ether106-44-54-Methylphenol98-95-3Nitrobenzene98-95-3Nitrobenzene78-59-1Isophorone88-75-52-Nitrophenol105-67-92,4-Dimethylphenol65-85-0Benzoic Acid111-91-1bis(2-Chloroethoxy)methane120-83-22,4-Dichlorophenol120-82-11,2,4-Trichlorobenzene91-20-3Naphthalene106-47-84-Chloroaniline87-68-3Hexachlorobutadiene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1

ND = Not Detected

Continued

E. P. Johnson Construction Page 2 of 3 Lab No. 22777-4 February 28, 1992

Client ID: MWE-9

EPA Method	8	27	70	Co	<u>nt</u> :	inued	
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ATA MOUNTA		Concentration ug/l	PQL
CAS No.	Compounds	uy/ ±	ιχn
91-57-6	2-Methylnaphthalene	ND	9.1
77-47-4	Hexachlorocyclopentadiene	ND	9.1
88-06-2	2,4,6-Trichlorophenol	ND	9.1
95-95-4	2,4,5-Trichlorophenol	ND	9.1
91-58-7	2-Chloronaphthalene	ND	9.1
88-74-4	2-Nitroaniline	ND	45
131-11-3	Dimethyl phthalate	ND	9.1
208-96-8	Acenaphthylene	ND	9.1
99-09-2	3-Nitroaniline	ND	45
83-32-9	Acenaphthene	ND	9.1
51-28-5	2,4-Dinitrophenol	ND	45
100-02-7	4-Nitrophenol	ND	45
132-64-9	Dibenzofuran	ND	9.1
121-14-2	2,4-Dinitrotoluene	ND	9.1
606-20-2	2,6-Dinitrotoluene	ND	9.1
84-66-2	Diethylphthalate	ND	9.1
7005-72-3	4-Chlorophenyl phenyl ether	ND	9.1
86-73-7	Fluorene	ND	9.1
100-01-6	4-Nitroaniline	ND	45
534-52-1	4,6-Dinitro-2-methylphenol	ND	45
86-30-6	N-Nitrosodiphenylamine	ND	9.1
101-55-3	4-Bromophenyl phenyl ether	ND	9.1
118-74-1	Hexachlorobenzene	ND	9.1
87-86-5	Pentachlorophenol	ND	45
85-01-8	Phenanthrene	ND	9.1
120-12-7	Anthracene	ND	9.1
84-74-2	Di-n-butylphthalate	*(2.8)	9.1

ND = Not Detected

Continued

E. P. Johnson Construction Page 3 of 3 Lab No. 22777-4 February 28, 1992

Client ID: MWE-9

EPA Method 8270 Continued

206-44-0FluorantheneND 9.1 $129-00-0$ PyreneND 9.1 $85-68-7$ Butyl benzyl phthalateND 9.1 $91-94-1$ $3,3'-Dichlorobenzidine$ ND 9.1 $56-55-3$ Benzo(a) anthraceneND 9.1 $117-81-7$ bis(2-ethylhexyl) phthalateND 9.1 $218-01-9$ ChryseneND 9.1 $117-84-0$ Di-n-octyl phthalateND 9.1 $205-99-2$ Benzo(b) fluorantheneND 9.1 $207-08-9$ Benzo(k) fluorantheneND 9.1 $50-32-8$ Benzo(a) pyreneND 9.1 $193-39-5$ Indeno(1,2,3-cd) pyreneND 9.1 $191-24-2$ Benzo(g, h, i) pervleneND 9.1	CAS No.	Compounds	Concentration ug/l	PQL
	129-00-0 85-68-7 91-94-1 56-55-3 117-81-7 218-01-9 117-84-0 205-99-2 207-08-9 50-32-8 193-39-5	Pyrene Butyl benzyl phthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene bis(2-ethylhexyl)phthalate Chrysene Di-n-octyl phthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene	ND ND ND ND ND ND ND ND ND	9.1 9.1 18 9.1 9.1 9.1 9.1 9.1 9.1 9.1

ND = Not Detected

PQL - Practical Quantitation Limit - These are the quantitation limits for this sample. This number is based on sample size, matrix and dilution required.

* = Compound was detected but below PQL. Value shown is an estimated quantity.

Surrogate	Percent	Control	Limits
Compound	Recovery	Water	Soil
Nitrobenzene - d ₅ 2-Fluorobiphenyl p-Terphenyl-d ₁₄ Phenol-d ₆ 2-Fluorophenol 2,4,6-Tribromophenol	90 72 68 31 52 86	35 - 114 43 - 116 33 - 141 10 - 94 21 - 100 10 - 123	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$

Semi-Volatile Surrogates

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Report To: E. P. Johnson Construction Date: February 28, 1992

Report On: Analysis of Water

Lab No.: 22777-5 Page 1 of 3

<u>IDENTIFICATION:</u> Sample Received on 02-21-92 Project: USB-0191 Client ID: MWA-10

ANALYSIS:

Sample was analyzed in accordance with Test Methods for Evaluating Solid Waste, (SW-846), U.S.E.P.A., 1986 Method 8270 (ABN Semivolatiles)

CAS No.	Compounds	Concentration ug/l	PQL
108-95-2 111-44-4 95-57-8 541-73-1 106-46-7 100-51-6 95-50-1 95-48-7 39638-32-9 106-44-5 621-64-7 67-72-1 98-95-3 78-59-1 88-75-5 105-67-9	Phenol bis(2-Chloroethyl) ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzyl Alcohol 1,2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)ether 4-Methylphenol N-Nitroso-Di-N-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol	ug/l ND ND ND ND ND ND ND	PQL 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3
65-85-0 111-91-1 120-83-2 120-82-1 91-20-3 106-47-8 87-68-3 59-50-7	Benzoic Acid bis(2-Chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene 4-Chloro-3-methylphenol	ND ND ND ND ND ND ND	9.3 9.3 9.3 9.3 19 9.3 19

ND = Not Detected

Continued

E. P. Johnson Construction Page 2 of 3 Lab No. 22777-5 February 28, 1992

Client ID: MWA-10

EPA	Method	8270	Conti	nued
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<u> </u>			
		Concentration	
CAS No.	Compounds	ug/l	PQL
91-57-6	2-Methylnaphthalene	ND	9.3
77-47-4	Hexachlorocyclopentadiene	ND	9.3
88-06-2	2,4,6-Trichlorophenol	ND	9.3
95-95-4	2,4,5-Trichlorophenol	ND	9.3
91-58-7	2-Chloronaphthalene	ND	9.3
88-74-4	2-Nitroaniline	ND	47
131-11-3	Dimethyl phthalate	ND	9.3
208-96-8	Acenaphthylene	ND	9.3
99-09-2	3-Nitroaniline	ND	47
83-32-9	Acenaphthene	ND	9.3
51-28-5	2,4-Dinitrophenol	ND	47
100-02-7	4-Nitrophenol	ND	47
132-64-9	Dibenzofuran	ND	9.3
121-14-2	2,4-Dinitrotoluene	ND	9.3
606-20-2	2,6-Dinitrotoluene	ND	9.3
84-66-2	Diethylphthalate	ND	9.3
7005-72-3	4-Chlorophenyl phenyl ether	ND	9.3
86-73-7	Fluorene	ND	9.3
100-01-6	4-Nitroaniline	ND	47
534-52-1	4,6-Dinitro-2-methylphenol	ND	47
86-30-6	N-Nitrosodiphenylamine	ND	9.3
101-55-3	4-Bromophenyl phenyl ether	ND	9.3
118-74-1	Hexachlorobenzene	ND	9.3
87-86-5	Pentachlorophenol	ND	47
85-01-8	Phenanthrene	ND	9.3
120-12-7	Anthracene	ND	9.3
84-74-2	Di-n-butylphthalate	ND	9.3

ND = Not Detected

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E. P. Johnson Construction Page 3 of 3 Lab No. 22777-5 February 28, 1992

Client ID: MWA-10

EPA 1	M	e.	t.	h	0	d	8	2	17	7 ()	0	2	0	n	t	:i	.r	iU	le	d	

CAS No.	Compounds	Concentration ug/l	PQL
206-44-0 $129-00-0$ $85-68-7$ $91-94-1$ $56-55-3$ $117-81-7$ $218-01-9$ $117-84-0$ $205-99-2$ $207-08-9$ $50-32-8$ $193-39-5$ $53-70-3$ $191-24-2$	Fluoranthene Pyrene Butyl benzyl phthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene bis(2-ethylhexyl)phthalate Chrysene Di-n-octyl phthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	ND ND ND ND ND ND ND ND ND ND ND ND	9.3 9.3 9.3 19 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.

ND = Not Detected

PQL - Practical Quantitation Limit - These are the quantitation limits for this sample. This number is based on sample size, matrix and dilution required.

Semi-Volatile Surrogates

Surrogate	Percent	Control	Limits
Compound	Recovery	Water	Soil
Nitrobenzene - d ₅ 2-Fluorobiphenyl p-Terphenyl-d ₁₄ Phenol-d ₆ 2-Fluorophenol 2,4,6-Tribromophenol	89 73 71 29 47 87	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$23 - 120 \\ 30 - 115 \\ 18 - 137 \\ 24 - 113 \\ 25 - 121 \\ 19 - 122$

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SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: E. P. Johnson Construction Date: February 28, 1992 Report On: Analysis of Water Lab No.: 22777-6 **IDENTIFICATION:** Sample received on 02-21-92 Project: USB-0191 Client ID: MWE-RIN ANALYSIS: Sample was analyzed in accordance with 40 CFR 136, Appendix A, Method 601 (Purgeable Halocarbons). Concentration, mg/1 Compound Vinyl Chloride < 0.001 Methylene chloride < 0.001 1,1-dichloroethylene < 0.001 1,1-dichloroethane < 0.001 1,2-transdichloroethylene < 0.001 1,2-dichloroethane < 0.001 0.002 Chloroform 1,1,1-trichloroethane 0.002 Carbon Tetrachloride < 0.001 < 0.001 1,2-dichloropropane Bromodichloromethane < 0.001 Trans-1, 3-dichloropropene < 0.001 Trichloroethylene < 0.001 Cis-1,3-dichloropropene < 0.001 1,1,2-trichloroethane < 0.001 Tetrachloroethylene < 0.001 Chlorodibromomethane < 0.001 1,1,2,2-tetrachloroethane < 0.001 Bromoform < 0.001 Chlorobenzene < 0.001 < 0.001 1,2 Dichlorobenzene 1,3 Dichlorobenzene < 0.001 1,4 Dichlorobenzene < 0.001

SURROGATE RECOVERY, % Bromochloromethane 2-bromo-1-chloropropane 1,4-dichlorobutane

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Report To: E. P. Johnson Construction Date: February 28, 1992 Report On: Analysis of Water Lab No.: 22777-6D **IDENTIFICATION:** Sample received on 02-21-92 Project: USB-0191 Client ID: MWE-RIN (DUPLICATE) ANALYSIS: Sample was analyzed in accordance with 40 CFR 136, Appendix A, Method 601 (Purgeable Halocarbons). Concentration, mg/1 Compound < 0.001 Vinyl Chloride Methylene chloride < 0.001 1,1-dichloroethylene < 0.001 < 0.001 1,1-dichloroethane 1,2-transdichloroethylene < 0.001 1,2-dichloroethane < 0.001 0.002 Chloroform 0.002 1,1,1-trichloroethane < 0.001 Carbon Tetrachloride < 0.001 1,2-dichloropropane < 0.001 Bromodichloromethane < 0.001 Trans-1, 3-dichloropropene < 0.001 Trichloroethylene < 0.001 Cis-1,3-dichloropropene < 0.001 1,1,2-trichloroethane < 0.001 Tetrachloroethylene < 0.001 Chlorodibromomethane 1,1,2,2-tetrachloroethane < 0.001 < 0.001 Bromoform < 0.001 Chlorobenzene < 0.001 1,2 Dichlorobenzene < 0.001 1,3 Dichlorobenzene < 0.001 1,4 Dichlorobenzene SURROGATE RECOVERY, % 106 Bromochloromethane 93 2-bromo-1-chloropropane

1,4-dichlorobutane

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SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: E. P. Johnson Construction Date: February 28, 1992 Report On: Analysis of Water Lab No.: 22777-7 IDENTIFICATION: Sample received on 02-21-92 Project: USB-0191 Client ID: RIN-13 ANALYSIS: Sample was analyzed in accordance with 40 CFR 136, Appendix A, Method 601 (Purgeable Halocarbons). Concentration, mg/1 Compound < 0.001 Vinyl Chloride < 0.001 Methylene chloride < 0.001 1,1-dichloroethylene < 0.001 1,1-dichloroethane < 0.001 1,2-transdichloroethylene < 0.001 1,2-dichloroethane < 0.001 Chloroform < 0.001 1,1,1-trichloroethane < 0.001 Carbon Tetrachloride < 0.001 1,2-dichloropropane < 0.001 Bromodichloromethane < 0.001 Trans-1,3-dichloropropene < 0.001 Trichloroethylene < 0.001 Cis-1,3-dichloropropene < 0.001 1,1,2-trichloroethane < 0.001 Tetrachloroethylene < 0.001 Chlorodibromomethane < 0.001 1,1,2,2-tetrachloroethane < 0.001 Bromoform < 0.001 Chlorobenzene < 0.001 1,2 Dichlorobenzene < 0.001 1,3 Dichlorobenzene < 0.001 1,4 Dichlorobenzene SURROGATE RECOVERY, % 120

Bromochloromethane 2-bromo-1-chloropropane 1,4-dichlorobutane

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Date of Report: March 13, 1992 Samples Submitted: March 5, 1992 Lab Traveler: 03-007 Project: US Bancorp

Matrix: Water Units: ng/g (ppb)

ANALYSIS BY EPA METHOD 601/8010

Sample #:	<u>MWA-14</u>	<u>MWB-15</u>	<u>Dup-16</u>	<u>Rinsate</u>
Dilution Factor	1	1	1	
<u>Analyte:</u>				
<pre>1,1-Dichloroethylene Methylene Chloride t-Dichloroethylene 1,1-Dichloroethane Chloroform 1,1,1-Trichloroethane Carbon Tetrachloride 1,2-Dichloroethane Trichloroethylene 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane Tetrachloroethylene Dibromochloromethane Chlorobenzene Bromoform 1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene</pre>	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 1,700 ^N <5 <5 <5 <1 <1 <1 <1	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <
Surrogate Recovery	122%	105%	122%	108%

J-The value indicated was below the practical quantitation limit. N-Data from 1:100 dilution.



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Date of Report: March 13, 1992 Samples Submitted: March 5, 1992 Lab Traveler: 03-007 Project: US Bancorp

Matrix: Soil Units: ng/g (ppb)

ANALYSIS BY EPA METHOD 601/8010

Quality Assurance

Sample # <u>Analyte:</u>	Method <u>Blank</u>	MWA-14 <u>Original</u>	MWA-14 <u>Duplicate</u>	Matrix <u>Spikes</u> @ 10 ppb
1,1-Dichloroethylene	<1	<1	<1	-
Methylene Chloride	<1	<1	<1	91/88%
t-Dichloroethylene	<1	<1	<1	
1,1-Dichloroethane	<1	<1	<1	
Chloroform	<1	<1	<1	
1,1,1-Trichloroethane	<1	<1	<1	106/106%
Carbon Tetrachloride	<1	<1	<1	
1,2-Dichloroethane	<1	<1	<1	103/102%
Trichloroethylene -	K <1	12	13	78/76%
1,2-Dichloropropane	ໍ <1	<1	<1	
Bromodichloromethane	<1	<1	<1	
cis-1,3-Dichloropropene	<1	<1	<1	era aun me
trans-1,3-Dichloropropene	<1	<1	<1	
1,1,2-Trichloroethane	<1	<1	<1	4578 Kalls 4488
Tetrachloroethylene	<1	>20	>20	A
Dibromochloromethane	<1	<1	<1	
Chlorobenzene	<1	<1	<1	
Bromoform	<1	<1	<1	
1,1,2,2-Tetrachloroethane	<1	<1	<1	
1,3-Dichlorobenzene	<1	<1	<1	
1,4-Dichlorobenzene	<1	<1	<1	
1,2-Dichlorobenzene	<1	<1	<1	
Surrogate Recovery	104%	122%	119%	124/121%

A-Matrix Spike data not required due to high sample concentration.

. with results of MWA 14 and 15 are known. CALL -Mike Black (509) 735-2479 with results and instructions. Cont. Level 98052 7 1 1 ר) L 7 5:1 Samples MWB-15 and DUP-17 techan 3/4/92 - REDMOND, WA. × ݤ Uny Express # 4825543 Project # U.S. BANBORP × Required Analysis 3-5-9 601 601 601 601 601 601 601 601 õ DATE/TIME. COURT N.E. Water Other Page_ (206) 820-4551 6. LABORATORY RECIEPT BY:_ × Х × X NUMBER OF SAMPLES: 4 X STEVE LOAGUE 134 Sample Type Soil 4. Relinquished by.__ 12277 5. Relinquished by... ABORATORY: ASI Received by:___ Received by:_ Air **TELEPHONE** ADDRESS: Bulk CONTACT: Date Time 3/3/22 1550 255125/5/5 3/3/92 1548 3/3/92 1548 NOTE - Contamination Level is the suspected level of contamination. 3/4/2 3/4/92 3442 3/4/22 1605 Description YOM/ VOA Container HOM VOA VOA 40 NOA HOM VOA HOM / NOA HOM / VOA 40m/ VOA Hold DUP16, and 17 SAMPLES TAKEN BY: Thomas H. Tunday J 40 MI SIGNATURES: (Name, Company, Date and Time) H – High 1. Relinquished by. Therree H. Turnday h. E.P. JOHNSON CONSTRUCTION, INC. M - Medium Location WELL A WELLB Well A WELL B WELL A WELL A WELL B WELLB Kennewick, Washington 99337 Phone (509) 735-2479 Special Instructions:___ Fax (509) 783-0331 L - Low 2. Relinquished by. 3. Relinquished by._ Rt. 7 Box 430-B Sample No. Received by.___ Received by:__ Received by:__ MWA - 14 MW B-15 MWB-15 M WA -14 DUP - 16 DUP - 16 71- 900 71- gua

CHAIN OF CUSTODY RECORD

	Received by	3. Relinquished by:	2. Relinquished by: Received by:	1. Relinquished by: <u>NNvelver</u> Received by: <u>NNavy</u>	SIGNATURES: (Nan	Special Instructions:		A MWB-13	K	MUE-EIN!	DUME .	IN I	11- UMW	DUP	DU/D - ID	000	NHE-10	MUKE- 9 pup	NIWE - 9	Sample No.	SAMPLES TAKEN BY:	Fax (509) 783-0331	Phone (509) 735-2479	Rt. 7 Box 430-B	
				nevere s. Beart	SIGNATURES: (Name, Company, Date and Time)		NOTE – Contamination Level is the suspected level of contamination. L – Low M – Medium H – High $\nu - \alpha n \alpha$		SFU-SIMW	NWE			2	"		2 2	:	MN-E .	MW-E	Location	BY:	31	479 479	Rt. 7 Box 430-B	NICTEL ICTION MIC
				192	Time)		pected level of contau H – High レームン	319-40mL	11	200 - 40ml	2		Ac and	1 4758	AD al	40 101-	ROME	LLIRE	1 CITER	Container Description					
				G:ISkm			of contamination.	2/20/12	2/20/92	2/12/92	"	:	2/20/9C.	11		2	:	2/ieRz	2/18/22	Date Time	TELE	ADDRESS:			
(6. LABORATORY R	5. Relinquished by. Received by:	4. Relinquished by: Received by:			¥1- 601 *2- 601			-									-	Sample Bulk Air	TELEPHONE: 1200				
		RECIEPT BY:					SitCulED Siteral ED 7	X	X	<	λ	X	χ)	< ×	: x	۲	×	x	λ	Type Soil Water	1912-2310	PACIFIC		Project #_ Page	
	DATE/TIME:						ישטיר אינו לקון בצי איני איני לקון לציר	× 0458	109	100/ 1=2	Hour	2420	CT70H	8270	HOLP	5	362AC	HALD	82	Other Required	0	HWY EAST		1 of /	
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0					(SRI)	20	Ther prones	F101-										(arriv)						v K	

CHAIN OF CUSTODY RECORD

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