

Bergeson-Boese & Associates, Inc.

Comprehensive Environmental Services

65 Centennial Loop
Eugene, Oregon 97401

(541) 484-9484

Fax: (541) 484-4188

February 10, 2003

Dave Belyea
Department of Environmental Quality
1102 Lincoln Street, Suite 210
Eugene, OR 97401

29791 SW Kinsman Road
Wilsonville, Oregon 97070

(503) 570-9484

Fax: (503) 570-0384

www.bergeson-boese.com

RE: DECOMMISSIONING FORMS AND REPORTS

FOR: LANE COUNTY PUBLIC WORKS
1300 WEST 20TH STREET
FLORENCE, OREGON

Dear Dave:

Please find enclosed copies of the underground storage tank (UST) decommissioning change in service report and checklist for the decommissioning of the waste oil UST at the above referenced site.

Characterization of the magnitude and extent of soil and groundwater impact is currently planned to be performed on February 18, 2003. Based upon the results of the waste characterization sampling, the characterization will also include analysis of chlorinated volatile organic compounds (VOCs) as well as the contaminants of potential concern (COPC) associated with lube oil-type total petroleum hydrocarbons.

If you have any questions regarding the enclosed forms, please feel free to contact me at your convenience.

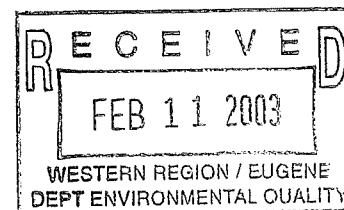
Sincerely,

Bergeson-Boese & Associates, Inc.

Stephen Lawn
Hazardous Materials Specialist

Attachments

cc: Dale Wendt
Support Services Manager
Lane County Department of Public Works
3040 North Delta Highway
Eugene, Oregon 97408-1696



Oregon Department of Environmental Quality
UNDERGROUND STORAGE TANK DECOMMISSIONING/CHANGE-IN-SERVICE REPORT

DEQ DECOMMISSIONING CERTIFICATE NUMBER: 3519
FACILITY NAME: Lane County Public Works
FACILITY ADDRESS: 1300 West 20th, Florence, OR 97439
PERMITTEE PHONE: 541-682-6920 DATE: 2-7-03

The following information MUST be submitted by the underground storage tank permittee or licensed DEQ Supervisor within 30 days following completion of the tank decommissioning or change-in-service. (OAR 340-150-0166 (5)(a)).

The attached supplemental checklist should be prepared by the person performing the decommissioning or change-in-service. The checklist should be provided to DEQ and the permittee to demonstrate that all required practices were followed.

Ordinarily the checklist is filled out by the DEQ licensed Service Provider or Supervisor. Permittees, tank owners or property owners who wish to personally decommission a tank or complete a change-in-service must follow all the conditions and requirements of OAR 340-150-0166 and other applicable standards. The permittee should contact the DEQ Regional Office prior to starting the work to receive current copies of the General Permit to Decommission USTs and underground storage tank regulations.

A. DATES:

Decommissioning/Change-in-Service Notice - Date Submitted: 10-23-02 (30 days before work starts).

Work Start Telephone Notice - Date Submitted: 12-13-02 (3 working days before work starts).

DEQ Person Notified: Dave Belyea

Date Work Started: 12-30-02 Date Work Completed: 1-28-03

Note: Provide the following information if any soil or water contamination is found during the decommissioning or change-in-service. Contamination must be reported by the UST permittee within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: 12-30-02 By: Stephen Lawn

DEQ Person Notified: Dave Belyea

Backfill Telephone Notice - Date Called: 12-30-02 in person (before backfilling).

DEQ Person Notified: Dave Belyea

B. PERMITS: **Note:** DEQ permits may be needed where soil or water cleanup is required.

DEQ Water Discharge Permit #: _____ Date: _____

Water Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

Soil Disposal or Treatment Location: Disposal at Short Mountain Landfill

C. TANK INFORMATION:

TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER?		CLOSURE OR CHANGE-IN-SERVICE?			TANK TO BE REPLACED?	
			PRESENT	NEW	TANK REMOVAL	CLOSURE IN PLACE ♦	CHANGE IN SERVICE ♦	YES*	NO
1	BAEED	1,000	used oil		X				X

- * Where decommissioned tank(s) are replaced by new underground storage tanks the UST permittee must submit a *General Permit Registration Form to Install and Operate USTs* containing information on the new tanks 30 days before installing them.
- ♦ Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

D. DISPOSAL INFORMATION:

TANK ID #	TANK AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS *	SLUDGES *
1		X		Short Mt. Land fill Lane County	Spencer Env.	Spencer Env.

* Note: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ regional office for your area.

E. CONTAMINATION INFORMATION: * Note: Sampling is required if groundwater is encountered. See cleanup rules.

TANK ID #	GROUND * WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY (NAME, CITY, STATE, PHONE)
1	yes	yes	yes	5	Pacific Northwest Laboratories 65 Centennial Loop Eugene, OR 97401

F. SITE SKETCH: (Show location of adjacent roads, property lines, structures, dispensers, & all USTs. Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)

see attached figure

G. WORK PERFORMED BY: Lane County under Supervision of:

DEQ Service Provider's License #: 10974 Construction Contractors License #: CCB#76509

Name: Bergeson-Boese & Associates, Inc.

Telephone: 541-484-9484

DEQ Decommissioning Supervisor's License #: 10405

Name: Stephen Lawn

Telephone: 541-484-9484 ext. 118

DEQ Soil Matrix Service Provider's License #: 13001 (If applicable)

Name: Bergeson-Boese & Associates, Inc.

Telephone: 541-484-9484

DEQ Soil Matrix Supervisor's License #: 13266 (If applicable)

Name: Stephen Lawn

Telephone: 541-484-9484 ext 118

H. ATTACHMENTS TO THIS REPORT:

1. Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QC information. Include laboratory name, address and copies of chain-of-custody forms.

2. If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is selected attach a copy of the soil matrix analysis for the site including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

I. REPORT FILING:

This report, signed by the permittee, complete with all applicable attachments must be filed with the DEQ regional office within 30 days after the excavation is backfilled or change-in-service is complete. Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets of contamination, etc.).

EASTERN REGION / BEND
Phone: Bend (541) 388-6146

EASTERN REGION / THE DALLES
Phone: The Dalles (541) 298-7255

EASTERN REGION / PENDLETON
Phone: Pendleton (541) 276-4063

WESTERN REGION / SALEM
Phone: Salem (503) 378-8240

WESTERN REGION / EUGENE
Phone: Eugene (541) 686-7838

WESTERN REGION / MEDFORD
Phone: Medford (541) 776-6136, Ext. 233

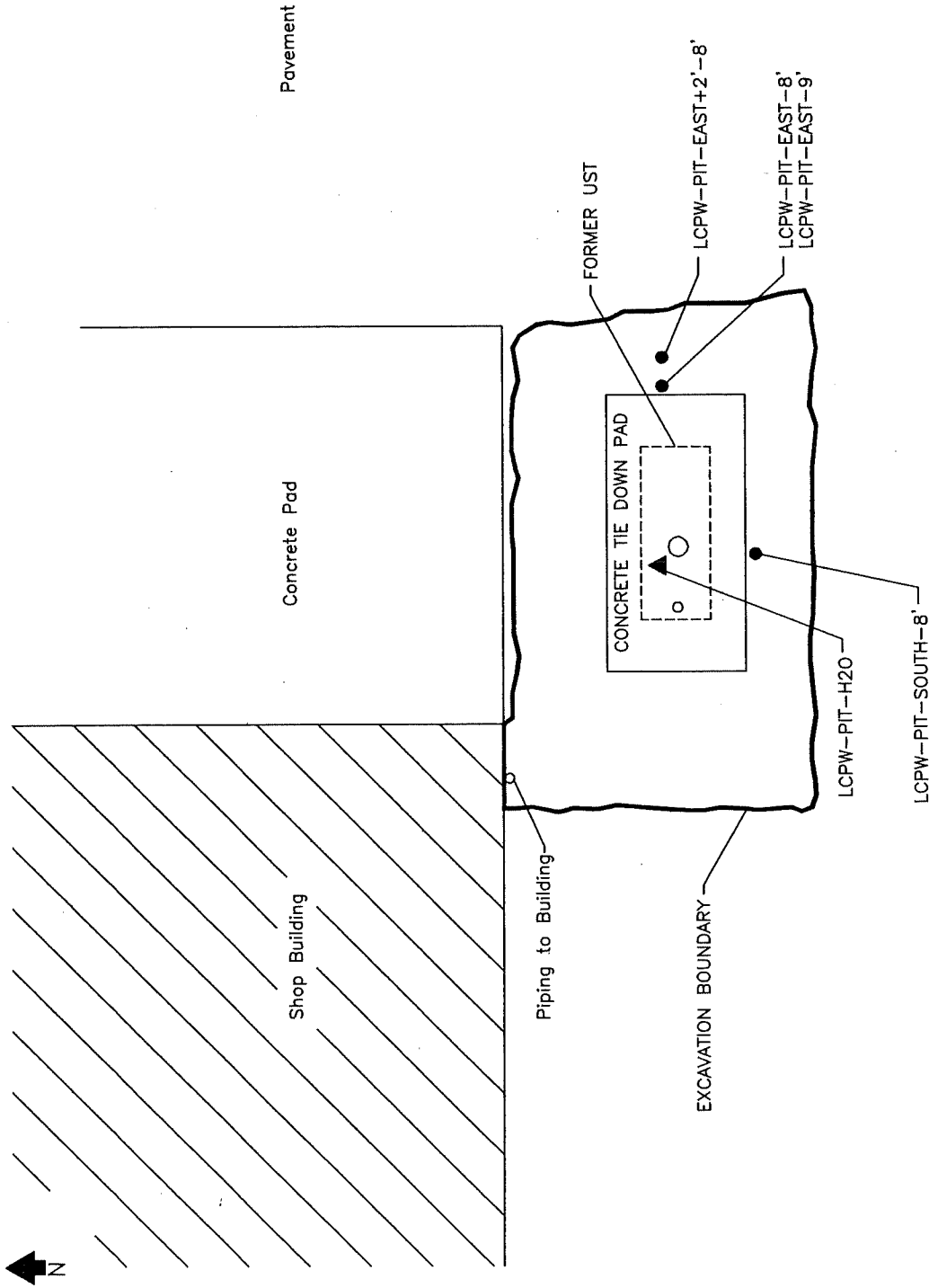
NORTHWEST REGION
Phone: Portland (503) 229-5263

I have personally reviewed this report and the attachments and find them to be true and complete.

Permittee: M. DALE WENDT FOR LANE COUNTY PUBLIC WORKS
(Please Print)

Permittee: M. Dale Wendt Date: 2-7-03
(Signature)

For information: (503) 229-6652 or Toll Free in Oregon UST HELPLINE 1-800-742-7878



LEGEND

LCPW-PIT-EAST-9' ● Soil Sample Location, Identification, and Sample Depth

LCPW-PIT-H20 ▲ Water Sample Location and Identification

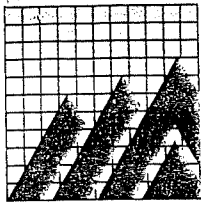
FIGURE 2

LANE COUNTY PUBLIC WORKS, 1300 W. 20th, Florence, Oregon

SITE PLAN WITH SOIL SAMPLE LOCATIONS

	Job Code: LCPW15ISC.02U
	CADD File: LCPW15.DWG
	Scale: 1"=10'
	Drawn: KATHRYN DAVIS
	Checked: STEPHEN LAWN
Date: 01/20/03	

Bergeson-Boese & Associates, Inc.
Comprehensive Environmental Services
65 Centennial Loop
Eugene, Oregon 97401
(541) 484-9484



Pacific Northwest Laboratories

Environmental Analysis

65 Centennial Loop
Eugene, Oregon 97401

(541) 484-4493
Fax: (541) 484-4188

January 22, 2003

29791 SW Kinsman Road
Wilsonville, Oregon 97070

Lane County Dept. of Public Works
Attn: Dale Wendt
3040 North Delta Highway
Eugene, Oregon 97408-1696

(503) 570-9436
Fax: (503) 570-0384

www.bergeson-boese.com

RE: PNL Report Number: 4520
Client Project Code: LCPW15ISC.02U

Please find enclosed the report prepared for the laboratory analyses you requested.

The samples were received under a chain-of-custody. Soil samples analyzed using NWTPH methods are reported as dry weight. For all other methods results are reported as received. Samples are retained for one month.

Please contact us at the above address or phone number to obtain additional sample containers and coolers.

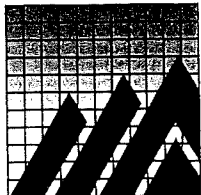
Thank you for selecting Pacific Northwest Laboratories for your analytical needs. We look forward to serving you in the future.

Sincerely,

Pacific Northwest Laboratories

Dennis Dyke, Laboratory Director

Enclosure



Pacific Northwest Laboratories

65 Centennial Loop
Eugene, Oregon 97401
(541) 484-4493 Fax: 484-4188

LABORATORY REPORT

PNL REPORT NUMBER: 4520

CLIENT: Lane County Dept. of Public Works
CLIENT PROJECT CODE: LCPW15ISC.02U
SITE LOCATION: Florence Public Works Facility
Florence, Oregon

ITEMS ANALYZED: 1 water sample and 4 soil samples

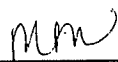
DATE SAMPLES COLLECTED: December 30, 2002
DATE ANALYSIS COMPLETED: January 22, 2003

METHOD: NWTPH-HCID
Method Reporting Limits (MRL) presented in mg/kg (ppm)
ND = Compound not detected; DET = Compound detected

Analyte	LCPW-SOUTH-8'		LAB BLANK	
	Result	MRL	Result	MRL
GASOLINE	ND	24	ND	20
DIESEL	DET	60	ND	50
LUBE OIL	DET	119	ND	100

Surrogate Recoveries (o-Terphenyl)

Sample I.D.	Percent	Acceptance Limits
LCPW-SOUTH-8'	*	50-150
LAB BLANK	71	



Analyst

* Unable to calculate surrogate recovery due to analyte concentration.

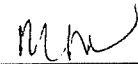
PNL REPORT NUMBER: 4520

METHOD: NWTPH-Dx
Results and Method Reporting Limits (MRL) presented in mg/kg (ppm)
ND = Compound not detected

Sample I.D.	Diesel		Lube Oil	
	Result	MRL	Result	MRL
LCPW-SOUTH-8'	710		1700	
LCPW-EAST-8'	420		1500	
LCPW-EAST-9'	680		1200	
LCPW-EAST-2'-8'	ND	25	260	
LAB BLANK	ND	25	ND	100

Surrogate Recoveries

Sample I.D.	Percent	Acceptance Limits
LCPW-SOUTH-8'	*	50-150
LCPW-EAST-8'	*	
LCPW-EAST-9'	*	
LCPW-EAST-2'-8'	94	
LAB BLANK	117	



Analyst

* Unable to calculate Surrogate Recovery due to analyte concentration.

PNL REPORT NUMBER: 4520

METHOD: BTEX per EPA 8021B

Results and Method Reporting Limits (MRL) presented in ug/L (ppb)

ND = Compound not detected

COMPOUND	LCPW-PIT H2O		LAB BLANK	
	Result	MRL	Result	MRL
Benzene	ND	1.0	ND	1.0
Toluene	ND	1.0	ND	1.0
Ethylbenzene	ND	1.0	ND	1.0
Xylenes	ND	1.0	ND	1.0

Surrogate Recoveries
(4-Bromofluorobenzene)

Sample I.D.	Percent	Acceptance Limits
LCPW-PIT H2O	127	50-150
LAB BLANK	131	

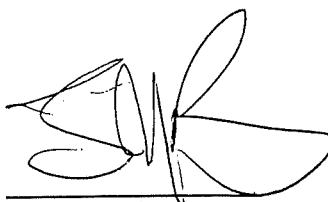


Analyst**METHOD: TCLP 3 Metals per EPA 1311 and methods cited below**

Results and Method Reporting Limits (MRL) presented in mg/L (ppm)

ND = Compound not detected

Analyte	Method	LCPW-SOUTH-8'		LAB BLANK	
		Result	MRL	Result	MRL
Cadmium	7130	ND	0.1	ND	0.1
Chromium	7190	ND	0.5	ND	0.5
Lead	7420	ND	0.4	ND	0.4



Analyst

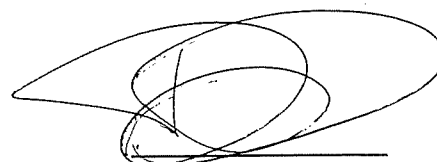
PNL REPORT NUMBER: 4520

METHOD: PAH Analysis per OR-DEQ modified EPA method 3510 / 8270C GC/MS/SIM
 Results and Method Reporting Limits (MRL) presented in ug/L (ppb)
 ND = Compound not detected

COMPOUND	LCPW-PIT H2O		LAB BLANK	
	Result	MRL	Result	MRL
Naphthalene	ND	5.0	ND	1.0
Acenaphthylene	ND	0.50	ND	0.10
Acenaphthene	ND	0.50	ND	0.10
Fluorene	1.3		ND	0.10
Phenanthrene	1.9		ND	0.10
Anthracene	0.50		ND	0.10
Fluoranthene	0.60		ND	0.10
Pyrene	3.6		ND	0.10
Benzo(a)anthracene	ND	0.50	ND	0.10
Chrysene	ND	0.50	ND	0.10
Benzo(b)fluoranthene	ND	0.50	ND	0.10
Benzo(k)fluoranthene	ND	0.50	ND	0.10
Benzo(a)pyrene	ND	0.50	ND	0.10
Indeno(1,2,3-cd)pyrene	ND	0.50	ND	0.10
Dibenz(a,h)anthracene	ND	0.50	ND	0.10
Benzo(g,h,i)perylene	3.8		ND	0.10

Surrogate Recoveries
(percent)

Sample I.D.	NBZ	FBP	TPH
LCPW-PIT H2O	67	89	81
LAB BLANK	75	71	88



Analyst

QC Limits

NBZ	=	Nitrobenzene-d5	35-114
FBP	=	2-Fluorobiphenyl	43-116
TPH	=	Terphenyl-d14	33-141

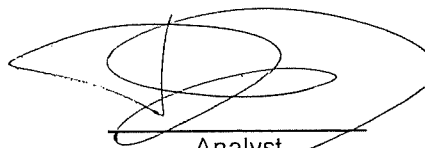
PNL REPORT NUMBER: 4520

METHOD: PAH Analysis per OR-DEQ modified EPA method 3550 / 8270C GC/MS/SIM
 Results and Method Reporting Limits (MRL) presented in ug/kg (ppb)
 ND = Compound not detected

COMPOUND	LCPW-SOUTH-8'		LAB BLANK	
	Result	MRL	Result	MRL
Naphthalene	100		ND	20
Acenaphthylene	ND	40	ND	20
Acenaphthene	100		ND	20
Fluorene	380		ND	20
Phenanthrene	500		ND	20
Anthracene	80		ND	20
Fluoranthene	250		ND	20
Pyrene	910		ND	20
Benzo(a)anthracene	ND	40	ND	20
Chrysene	ND	40	ND	20
Benzo(b)fluoranthene	ND	40	ND	20
Benzo(k)fluoranthene	ND	40	ND	20
Benzo(a)pyrene	ND	40	ND	20
Indeno(1,2,3-cd)pyrene	ND	40	ND	20
Dibenz(a,h)anthracene	ND	40	ND	20
Benzo(g,h,i)perylene	410		ND	20

Surrogate Recoveries
(percent)

Sample I.D.	NBZ	FBP	TPH
LCPW-SOUTH-8'	72	106	135
LAB BLANK	82	70	90



Analyst

QC Limits

NBZ	=	Nitrobenzene-d5	23-120
FBP	=	2-Fluorobiphenyl	30-115
TPH	=	Terphenyl-d14	18-137

PNL REPORT NUMBER: 4520

METHOD: Volatile Organic Compounds per EPA Method 5030 / 8240B
 Results and Method Reporting Limits (MRL) presented in ug/kg (ppb)
 ND = Compound not detected

COMPOUND	LCPW-SOUTH-8'		LAB BLANK	
	Result	MRL	Result	MRL
Chloromethane	ND	50	ND	10
Bromomethane	ND	50	ND	10
Vinyl Chloride	ND	50	ND	10
Chloroethane	ND	50	ND	10
Dichlorodifluoromethane	ND	50	ND	10
Trichlorofluoromethane	ND	50	ND	10
Methylene Chloride	ND	50	ND	10
Acetone	ND	50	ND	10
Carbon disulfide	ND	25	ND	5.0
Methyl-tert-butylether (MTBE)	ND	25	ND	5.0
2-Butanone	ND	50	ND	10
1,1-Dichloroethene	ND	25	ND	5.0
1,1-Dichloroethane	ND	25	ND	5.0
trans-1,2-Dichloroethene	ND	25	ND	5.0
cis-1,2-Dichloroethene	ND	25	ND	5.0
Chloroform	ND	25	ND	5.0
1,2-Dichloroethane (EDC)	ND	25	ND	5.0
1,2-Dibromoethane (EDB)	ND	25	ND	5.0
1,1,1-Trichloroethane	ND	25	ND	5.0
Carbon Tetrachloride	ND	25	ND	5.0
Bromodichloromethane	ND	25	ND	5.0
1,2-Dichloropropane	ND	25	ND	5.0
cis-1,3-Dichloropropene	ND	25	ND	5.0
Trichloroethene	ND	25	ND	5.0
Dibromochloromethane	ND	25	ND	5.0
1,1,2-Trichloroethane	ND	25	ND	5.0
Benzene	ND	25	ND	5.0
trans-1,3-Dichloropropene	ND	25	ND	5.0
Bromoform	ND	25	ND	5.0
4-Methyl-2-pentanone	ND	50	ND	10
2-Hexanone	ND	50	ND	10
Tetrachloroethene	68		ND	5.0
1,1,2,2-Tetrachloroethane	ND	25	ND	5.0
Toluene	ND	25	ND	5.0
Chlorobenzene	ND	25	ND	5.0
Ethylbenzene	33		ND	5.0
Xylenes (total)	200		ND	5.0
Styrene	ND	25	ND	5.0
1,3-Dichlorobenzene	ND	25	ND	5.0
1,4-Dichlorobenzene	ND	25	ND	5.0
1,2-Dichlorobenzene	ND	25	ND	5.0

(Continued on following page.)

PAGE 7

PNL REPORT NUMBER: 4520

METHOD: Volatile Organic Compounds per EPA Method 5030 / 8240B

Sample I.D.	Surrogate Recoveries (percent)		
	DBFM	TOL	BFB
LCPW-SOUTH-8'	96	84	68 *
LAB BLANK	95	106	110


Analyst

QC Limits			
DBFM	=	Dibromofluoromethane	70-121
TOL	=	Toluene-d8	81-117
BFB	=	4-Bromofluorobenzene	74-121

* - Surrogate recoveries outside QC limits due to sample matrix interference.

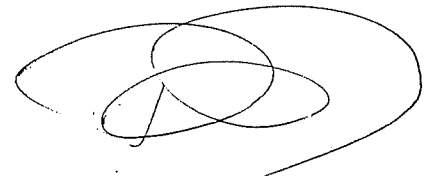
PNL REPORT NUMBER: 4520

METHOD: Polychlorinated Biphenyls per EPA 8270C
Results and Method Reporting Limits (MRL) presented in mg/kg (ppm)
ND = Compound not detected

COMPOUND	LCPW-SOUTH-8'		LAB BLANK	
	Result	MRL	Result	MRL
PCB 1016	ND	1.0	ND	1.0
PCB 1221	ND	1.0	ND	1.0
PCB 1232	ND	1.0	ND	1.0
PCB 1242	ND	1.0	ND	1.0
PCB 1248	ND	1.0	ND	1.0
PCB 1254	ND	1.0	ND	1.0
PCB 1260	ND	1.0	ND	1.0

Surrogate Recoveries
(Tetrachloro-m-xylene)

Sample I.D.	Percent	Acceptance Limits
LCPW-SOUTH-8'	66	50-150
LAB BLANK	95	



Analyst

CHAIN OF CUSTODY RECORD

65 Centennial Loop (541) 484-4493
Eugene, Oregon 97401 Fax: (541) 484-4188

Pacific Northwest Laboratories

Client/Company: Begeson - Boese & Assoc. Lab Project Number: 4520

Project Manager: Stephen Lavin Samples Refrigerated Yes

Project Code: LCFW151SC1020 Samples in Proper Containers Yes

Collected By: Stephen Lavin RUSH Yes

Site Location: Lane Co. Public Works 120 Conice

Site Address: Florence, OR

Billing Address: _____

P.O. No.: _____

Phone No.: _____

COMMENTS:		ANALYSES TO BE PERFORMED														REMARKS						
SAMPLE I.D.	DATE	TIME	MATRIX			CONTAINERS	ANALYSES TO BE PERFORMED										REMARKS					
			SOIL	WATER	OTHER		NWTPH-HClO ₄ ODEQ/MDOE	NWTPH-Gasoline-x ODEQ/MDOE	NWTPH-Diesel-x ODEQ/MDOE	RBCA 8260B	BTEX 8021B	Volatile Organics EPA 8240/8260 PAH GC/MS SIM ODEQ	PAH GC/MS SIM ODEQ	BTEX EPA 602/8020	PCBs 608/8080	Flashpoint EPA 1010		Semi-Volatile Organics EPA 625/8270	Lead 7421	TCLP Metals (3)/(8)/(1311)	pH	
1 LCPW-south-8'	12-30		X			1	X			X	X	X	X	X	X							Run waste
2 LCPW-east-8'			X			1	X			X	X	X	X	X	X							oil character on "worse case" soil sample
3 LCPW-east-9'			X			1	X			X	X	X	X	X	X							
4 LCPW-east+2'-8'			X			1	X			X	X	X	X	X	X							PAH per S.L. 1/8/02
5 LCPW-pit H2O			X	X		3	X															WOCHAR on LCPW-south-8'
6 LCPW-stock pile			X			1	X															free product film on water surface
7																						Hold
8																						
9																						
10																						
11																						
12																						
13																						
14																						

RELINQUISHED BY: [Signature] COMPANY: BB&A DATE / TIME: 12/30/02 1625 RECEIVED BY: [Signature] COMPANY: [Signature] DATE / TIME: 12/30/02 1625

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