

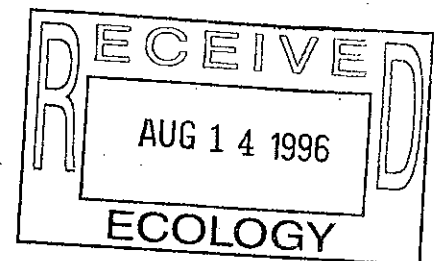
NW 12234 JS
47474

**UNDERGROUND STORAGE TANK CLOSURE AND INDEPENDENT
REMEDIAL ACTION REPORT**

For:

**WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
BELLINGHAM MAINTENANCE FACILITY**

*Report sent to the
Northwest Regional
Office
Joyn*



Prepared by WSDOT - Environmental Service Branch
June 7, 1996

GENERAL INFORMATION

SITE NAME: WSDOT -Bellingham Maintenance Facility

LOCATION: 512 Sunset Drive
Bellingham, WA 98225

OWNER: Washington State Department of Transportation
(WSDOT)

SITE ASSESSOR: Harry Horn
Washington State Department of Transportation
4200 Main St.
PO. Box 1709
Vancouver, WA 98668-1709
(360) 905-2163

UST REMOVAL FIRM: CEcon Corporation
1703 Portland Ave.
Tacoma, WA 98421-2803
(206) 272-8851

SITE CHARACTERISTICS

The WSDOT - Bellingham Maintenance Facility is located on 512 Sunset Drive in Bellingham, WA. (see Appendix A). The facility is used as a highway maintenance equipment and material storage area. Bordering the site in all directions are single family homes. Additionally, Sunset Drive lies to the north of the site and Illinois street to the south. Wooded wetlands border the east and a church lies to the west side of the facility.

From observations made during UST excavations and soil remediation activities, the native soil profile was found to be primarily composed of a silty clay. Groundwater was encountered around nine (9) feet below ground surface (bgs) during excavation activities.

UNDERGROUND STORAGE TANK REMOVAL

On 3/8/95 CEcon Corporation removed one (1) 5,000 gallon unleaded gasoline underground storage tank (UST) and one (1) 5,000 gallon diesel UST from the WSDOT - Bellingham Maintenance facility. The diesel and unleaded fuel UST's were constructed of steel and were installed in 1977.

A strong odor of gasoline was detected in soil approximately one foot above the diesel tank (near the fill end.) Prior to 1988 the diesel tank had been used for regular gasoline. This noticeable contaminated soil was excavated and placed on a concrete slab where it was stored on site.

Excavation continued on the diesel and unleaded tanks until they were entirely exposed. Corrosion was present on the top 1/3 of both USTs, but no pitting or holes were found. Perched ground water was present within the excavation at approximately nine (9) feet below ground surface (bgs). On 3/9/95 approximately 800 gallons of water from the excavation was pumped into a pump truck to be disposed of at Burlington Environmental in Kent, WA. No additional ground water migrated into the excavation pit during excavation activities.

An infrared spectrophotometer was used to field screen soil to locate contaminated material. Soil from the north wall of the excavation, near the fuel dispensers, was suspected of containing hydrocarbon contamination. It is believed that this contamination originated from leaking pipes at the dispensers, which operated by suction. Approximately 200 cubic yards was excavated from beneath the fuel dispenser area. This material was stock-piled on site for future treatment. The sidewalls of the excavation were lined with 10ml. Visqueen, prior to backfilling with the clean excavated material and imported fill.

SAMPLING

Soil samples were obtained to characterize the excavation for possible remaining contamination. The following are the numbers and locations (see Figure 1) of soil samples obtained on 3/8/95 and 3/9/95:

3/8/95

- Samples #1 - #3 were taken from the clean soil pile. Samples were taken to verify that the pile was clean.
- Sample #4 was taken from the suspect contaminated soil pile.
- Sample #5 was taken from an area of the excavation that had obvious hydrocarbon contamination, to the north of the UST's and west of the fuel dispensers, at a depth of 8 feet bgs. This contamination was subsequently removed.

3/9/95

- Sample #6 was taken two feet below the unleaded UST, at a depth of 13 feet bgs.
- Sample #7 was taken from the south endwall of the excavation, at a depth of 10 feet bgs.
- Sample #8 was taken from the west sidewall of the excavation, adjacent to the unleaded UST, at a depth of 10 feet bgs.
- Sample #9 was taken two feet below the diesel fuel UST, at a depth of 13 feet bgs.
- Sample #10 was taken from the west sidewall of the excavation, adjacent to the diesel fuel UST, at a depth of 10 feet bgs.
- Sample #11 was taken from the east sidewall, adjacent to the unleaded UST, at a depth of 10 feet bgs.
- Sample #12 was taken from a location between the two UST's, at a depth of 13 feet bgs.
- Sample #13 was taken from the north wall of the excavation, northeast of the fuel dispensers, at a depth of 8 feet bgs.
- Sample #14 was taken from the east wall of the excavation, east of the fuel dispensers, at a depth of 6 feet bgs.
- Sample #15 was taken from the south wall of the excavation, southeast of the fuel dispensers, at a depth of 8 feet bgs.
- Sample #16 was taken from the floor of the excavation, at a depth of 11 feet bgs.

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Bellingham, WA 98225

OWNER: Washington State Department of Transportation
(WSDOT)

SITE ASSESSOR: Harry Horn
Washington State Department of Transportation
4200 Main St.
PO. Box 1709
Vancouver, WA 98668-1709
(360) 905-2163

UST REMOVAL FIRM: CEcon Corporation
1703 Portland Ave.
Tacoma, WA 98421-2803
(206) 272-8851

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From observations made during UST excavations and soil remediation activities, the native soil profile was found to be primarily composed of a silty clay. Groundwater was encountered around nine (9) feet below ground surface (bgs) during excavation activities.

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**Washington State
Department of Transportation**

Sid Morrison
Secretary of Transportation

Transportation Building
P.O. Box 47300
Olympia, WA 98504-7300

NW 12239 JJ
67474

July 31, 1996

Ms. Joyce Smith
Washington State Department of Ecology
Toxic Cleanup Program
PO Box 47655
Olympia, WA 98504-7655

RE: Washington State Department of
Transportation Underground Storage
Tank Closure and Site Characterization
Report for the Bellingham Maintenance
Facility

Dear Ms. Smith:

This letter serves to transmit the underground storage tank (UST) Closure and Site Characterization Report for the Washington State Department of Transportation (WSDOT)- Bellingham Maintenance Facility.

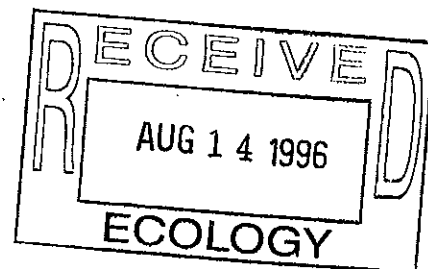
Three small lenses of contamination were discovered during excavation activities. All contaminated soils were removed and stockpiled on site. After bioremediation processes, all soils are below Model Toxic Control Act Method A levels for soil. This treated soil is currently being used for fill along State right of way property.

If you have any questions, please contact Norm Payton, Hazardous Materials Specialist at (360) 805-7848, or myself at (360) 705-7814.

Sincerely,

JESSIE DIEKMANN
Environmental Tech. 1
WSDOT-Environmental Service Branch

JD:kmc.745
Enclosures





and SITE ASSESSMENT
See back of form for instructions
Please ☒ the appropriate box(es)
Please type or print information
☐ Temporary Tank Closure ☒ Permanent Tank Closure ☐ Change-In-Service ☐ Site Assessment/ Site Check

Site # _____

GENERAL INFORMATION:

ID Number (on invoice or available from Ecology if the tanks are registered): # 012239
Business Name: BELLINGHAM AREA HEADQUARTERS
Address: 512 SUNSET DRIVE Telephone: (206) 768-5821
BELLINGHAM WA 98225
City State ZIP-Code

TANK INFORMATION:

Tank ID	Closure Date	Tank Capacity	Substance Stored
<u>6A02010</u>		<u>5,000 GAL</u>	<u>DIESEL</u>
<u>6A02011</u>		<u>5,000 GAL</u>	<u>UNLEADED</u>

CONTAMINATION PRESENT AT THE TIME OF CLOSURE

☒ Yes ☐ No ☐ Unknown

Check unknown if no obvious contamination observed and sample results have not yet been received from analytical

WSDOT Copy

JUST SYSTEM OWNER/OPERATOR:

UST Owner/Operator: WA. STATE DEPT. OF TRANSPORTATION
Owners Signature: FOR AL PERKINS, Harry Horn Telephone: (360) 705-7882
Address: TRANSPORTATION BLDG MAIL STOP 7358
OLYMPIA WA 98504-7358
City State ZIP-Code

TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Service Provider: CECON CORPORATION License Number: 5000168
Licensed Supervisor: STEPHEN E. RECH Decommissioning License Number: 72096
Supervisors Signature: _____
Address: 1703 PORTLAND AVE. WA 98421-2803
TACOMA City State ZIP-Code
Telephone: (206) 272-8851

SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Name of Registered Site Assessor: HARRY HORN
Telephone: (360) 905-2163
Address: P O BOX 1709 WA 98668
VANCOUVER City State ZIP-Code

NW 12239 JS
U 7474



UNDERGROUND STORAGE TANK TEMPORARY/PERMANENT CLOSURE and SITE ASSESSMENT NOTICE

See back of form for instructions
Please ☒ the appropriate box(es)
Please type or print information

☐ Temporary
Tank Closure

☒ Permanent
Tank Closure

☐ Change-In-
Service

☐ Site Assessment/
Site Check

N.W.
For Office Use Only

Owner # U0007474 JS.

Site # 012239

SITE INFORMATION:

Site ID Number (on invoice or available from Ecology if the tanks are registered): # 012239
Site/Business Name: BELLINGHAM AREA HEADQUARTERS
Site Address: 512 SUNSET DRIVE Telephone: (206) 768-5821
BELLINGHAM WA 98225
City State ZIP-Code

TANK INFORMATION:

Tank-ID	Closure Date	Tank Capacity	Substance Stored
<u>66A02010</u>	<u>3/8/95</u>	<u>5,000 GAL</u>	<u>DIESEL</u>
<u>66A02011</u>	<u>3/8/95</u>	<u>5,000 GAL</u>	<u>UNLEADED</u>

Entered 7/19/95 JS

CONTAMINATION PRESENT AT THE TIME OF CLOSURE



Yes



No



Unknown

Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

UST SYSTEM OWNER/OPERATOR:

UST Owner/Operator: WA. STATE DEPT. OF TRANSPORTATION
Owners Signature: FOR AL PERKINS, Harry Horn Telephone: (360) 705-7882
Address: TRANSPORTATION BLDG MAIL STOP 7358
OLYMPIA WA 98504-7358
City State ZIP-Code

TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Service Provider: CECON CORPORATION License Number: 5000168
Licensed Supervisor: STEPHEN E. RECH Decommissioning License Number: 72096
Supervisors Signature: [Signature]
Address: 1703 PORTLAND AVE.
TACOMA WA 98421-2803
City State ZIP-Code
Telephone: (206) 272-8851

SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Name of Registered Site Assessor: HARRY HORN
Telephone: (360) 905-2163
Address: P O BOX 1709
VANCOUVER WA 98668
City State ZIP-Code

From

Harry Horn

4000 7474

WSDOT

10 Sites.

PO Box 1709

Vancouver, Wa 98668



ECON-O-GRAM

"To Provide Faster Service
at Lower Cost"

INCLUDE
MAIL
STOPS

Subject

FILE #

To

Underground Storage Tank Section

Dept of Ecology

80 Box 47655

Olympia, Wa 98504 7655

Permanent Closure Notices

☐ PLEASE
REPLY BY:

☐ NO REPLY
REQUIRED

Message

Attached are Permanent Closure Notices for the
following sites,

Maple Falls

Bellingham

Monroe

Camp Mason

Enumelaw

Willows

Yelm

Shelton

Discovery Bay

Sekin

cc Steve Rich, Econ Corp.

Norm Dayton MS 7358

al Perkins MS 7358

SIGNATURE

PHONE NO.

DATE

Harry Horn 360 905-2163 5-22-95

Reply

SIGNATURE

PHONE NO.

DATE



UNDERGROUND STORAGE TANK

30 DAY NOTICE

See back of form for instructions
Please ☒ the appropriate box



Intent
to Install



Intent
to Close



Both

For Office Use Only

Owner #

U00007474

Site #

012239

SITE INFORMATION:

Site ID Number (on invoice or available from Ecology if the tank is registered):

012239

Site/Business Name:

BELLINGHAM AREA HEADQUARTERS

Site Address:

512 SUNSET DRIVE

Owner/Operator
Telephone:

(206) 768-5821

BELLINGHAM

WA

98225

City

State

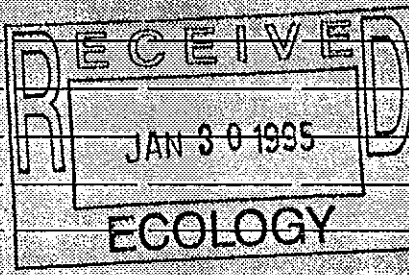
ZIP-Code

TANK INFORMATION:

TANKS TO BE CLOSED

This section to be filled out ONLY if tanks are being removed

Tank ID	Projected Closure Date	Tank Capacity	Substance Stored	Date tank last used	Is there product in the tank? (yes/no)	If no, date tank was pumped
66A02010	MARCH 1995	5,000	DIESEL	JAN 1994	NO	NOV 1994
66A02011	MARCH 1995	5,000	UNLEADED	JAN 1994	NO	NOV 1994



TANKS TO BE INSTALLED

This section to be filled out ONLY
if tanks are being installed

Tank ID

Approx.
Install Date

TANK INSTALLATION TO BE PERFORMED BY (if known):

This section to be filled out ONLY if tanks are being installed

Service Provider:

Contact Name:

Telephone: ()

Address:

Street

P.O. Box

City

State

ZIP-Code

TANK PERMANENT CLOSURE TO BE PERFORMED BY (if known):

This section to be filled out ONLY if tanks are being removed

Service Provider:

~~UNDERGROUND~~ GECON CORPORATION

Contact Name:

Telephone: (206)

272-8851

Address:

1703 PORTLAND AVE

TACOMA

WA

98421-2803

Street

P.O. Box

State

ZIP-Code

This form will be returned to this address

UST OWNER/
OPERATOR

HARRY HORN

MAILING
ADDRESS

PO Box 1709

VANCOUVER

City

State

98668

ZIP-Code

Once validated by Ecology, this form serves as your temporary permit for the tanks listed above.

Please type or print information

ECY 020-33



**Washington State
Department of Transportation**

Sid Morrison
Secretary of Transportation

Transportation Building
P.O. Box 47300
Olympia, WA 98504-7300

January 18, 1996

?
NW JS
12239
U7474
?

Department of Ecology
PO Box 47655
Olympia Washington 98504-7655

To Whom It May Concern:

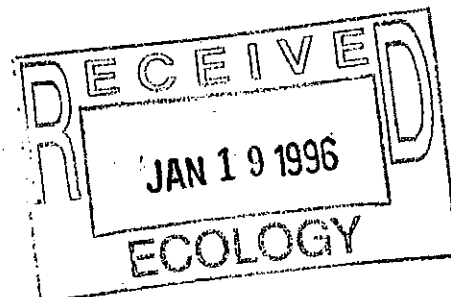
The purpose of this letter is to provide notification of a permanent tank closure at the intersection of James Street and Sunset Drive in Bellingham, Washington. The site has been cleaned up to Model Toxics Control Act (MTCA) standards and an Independent Remedial Action Report (IRAP), titled "UST Site Assessment and Closure Report, SR542, Sunset Drive, Bellingham, January 18, 1996", was submitted to the Ecology Northwest Region on January 18, 1996. Should you have any questions, please contact me at (360) 705-7279.

Sincerely,

T. MICHAEL STEPHENS
Hazardous Materials Specialist

MS:jeb
Attachments

cc: Ken Johnson





UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

For Office Use Only

Owner # _____

Site # _____

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

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

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

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

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): _____

Site/Business Name: _____

Site Address: SE CORNER of JAMES ST + SUNSET Telephone: _____

Street

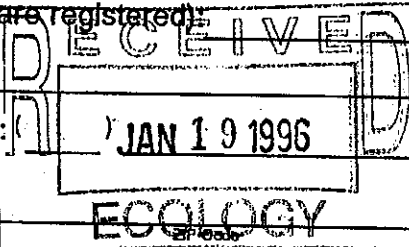
DRIVE

Bellingham

City

WA

State



TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
UST # 1	~ 1100 gallons	UNKNOWN
UST # 2	~ 700 gallons	UNKNOWN

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

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

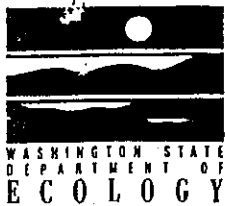
CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

	YES	NO
1. The location of the UST site is shown on a vicinity map.		
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)		
3. A summary of UST system data is provided. (see Section 3.1)		
4. The soils characteristics at the UST site are described. (see Section 5.2)		
5. Is there any apparent groundwater in the tank excavation?		X
6. A brief description of the surrounding land use is provided. (see Section 3.1)		
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.		
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected		
- groundwater samples distinguished from soil samples (if applicable)		
- samples collected from stockpiled excavated soil		
- tank and piping locations and limits of excavation pit		
- adjacent structures and streets		
- approximate locations of any on-site and nearby utilities		
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)		X
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.		
11. Any factors that may have compromised the quality of the data or validity of the results are described.		
12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.	X	

SITE ASSESSOR INFORMATION

NICK GRASON
g. Nicholas Grason *EMCON*
Person registered with Ecology Firm Affiliated with
Business Address: *18912 North Creek Parkway* Telephone: *(206) 485-5000*
Bothell *WA* *98011*
City State ZIP+Code
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.
12/12/95 *g. Nicholas Grason*
Date Signature of Person Registered with Ecology



**UNDERGROUND STORAGE TANK
TEMPORARY/PERMANENT CLOSURE
and SITE ASSESSMENT NOTICE**

See back of form for instructions

Please ☒ the appropriate box(es)

Please type or print information

☐ Temporary
Tank Closure

☒ Permanent
Tank Closure

☐ Change-In-
Service

☐ Site Assessment/
Site Check

For Office Use Only

Owner # _____

Site # _____

SITE INFORMATION:

Site ID Number (on invoice or available from Ecology if the tanks are registered): _____

Site/Business Name: Dept. of Transportation

Site Address: Sunset & James Telephone: (____) _____
Bellingham Wa 98225
City State ZIP-Code

TANK INFORMATION:

Tank ID	Closure Date	Tank Capacity	Substance Stored
	<u>10-10-95</u>	<u>750 gal</u>	<u>unknown</u>
	<u>10-10-95</u>	<u>1000 gal</u>	<u>"</u>

**CONTAMINATION
PRESENT AT THE
TIME OF CLOSURE**



Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

UST SYSTEM OWNER/OPERATOR:

UST Owner/Operator: Abandoned UST in WSDOT ROW

Owners Signature: [Signature] Telephone: (360) 705-7279

Address: Sunset & James St.
Bellingham Wa 98225
City State ZIP-Code

TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Service Provider: Cannon Elec. Co. Inc. License Number: 3000158

Licensed Supervisor: Clinton A. DEFRIES Decommissioning License Number: 82735

Supervisors Signature: [Signature]

Address: 16148 Porter Way
FERNDALE WASH 98248
City State ZIP-Code

Telephone: (360) 733-4070

SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Name of Registered Site Assessor: Y. Nick Garcon

Telephone: (206) 485-5000

Address: 18912 - North Creek Parkway Suite 100
Bothell Wa 98011-8016
City State ZIP-Code

PLEASE READ CAREFULLY

INSTRUCTIONS

This form is to be completed by the Tank Owner and submitted to Ecology within 30 days of tank closure.

Mark the appropriate box(es) for temporary tank closure, permanent tank closure, change-in-service, or site assessment.

Permanent Closure and Change-in-Service require a site assessment be performed.

SITE INFORMATION:

Fill in the site information. Be sure to include the Ecology site ID number. This number may be found on the invoice or permit. Include a contact telephone number so any problems may be resolved quickly.

TANK INFORMATION:

List the tanks that were closed. Please use tank ID numbers and indicate the date of permanent closure. Be sure to attach your Underground Storage Tank Permits for any tanks that are now closed.

UST SYSTEM OWNER/OPERATOR:

Please fill in the owner's/operator's name, address, and telephone number. Be sure to sign this form.

TANK CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

List the closure company. Companies that provide UST services **MUST** be licensed by Ecology. Ask to see their supervisor's license. Make sure the licensed supervisor signs this form.

SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Fill in the site assessor information for permanent closure or change-in-service. Mark the appropriate box showing whether contamination from the underground tank(s) was or is present at the site. A site check/site assessment **MUST** be conducted by a site assessor who is registered with Ecology.

If contamination at the site is found or suspected, the appropriate Ecology Regional Office must be notified within 24 hours. If the contamination is confirmed, a site characterization report must be submitted to the regional office within 90 days. If contamination is not confirmed, a site assessment report must be submitted to the above address within 30 days.

Tanks exempt from notification requirements are:

Farm or residential tanks, 1100 gallons or less, used to store motor fuel for personal or farm use only. The fuel must not be for resale or used for business purposes.

Tanks used for storing heating oil that is used on the premises where the tank is located.

Tanks with a capacity of 110 gallons or less.

Equipment or machinery tanks such as hydraulic lifts or electrical equipment tanks.

Emergency overflow tanks, catch basins, or sumps.

**For more information call toll free in the state of Washington
1-800-826-7716 or (206) 438-7137**

Return this completed form to:

**Underground Storage
Tank Section**

Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655