



U.S. Department of Energy
Office of River Protection

0077740

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

JUN 06 2008

08-ESQ-111

Ms. M. Shaleen-Hansen
UIC Program Coordinator
Water Quality Program
Washington State
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504

RECEIVED
JUN 10 2008

EDMC

Dear Ms. Hansen:

**CLASS V UNDERGROUND INJECTION CONTROL WELL REGISTRATION FOR THE
609-J BREATHING AIR FACILITY**

Registration of Class V Underground Injection Control Wells are required by Washington Administrative Code 173-218, "Washington Administrative Code 173-218, Underground Injection Control Program."

The injection wells were constructed as part of the storm water management system for the recently constructed 609-J Breathing Air Facility. The storm water management system uses two interconnected catch basins to direct storm water flow. Storm water flows into one of the catch basins, under the roadway/driveway, and then overflows out the other catch basin. Minimizing flow across the roadway/driveway to this facility is desired to prevent ice formation/build-up in an area traversed on foot by fire department personnel during emergency response. The construction of the 4-foot deep, 24-inch diameter catch basins includes a 3-inch diameter drain at the bottom of the catch basin. The 3-inch drains allow standing water to drain to the soil column. The presence of the drains results in the catch basin being designated as underground injection wells, as they are greater in depth than surface diameter with a subsurface discharge of fluid.

If you have any questions, please contact me, or your staff may contact Dennis W. Bowser, Environmental Compliance4 Division, (509) 373-2566.

Sincerely,

Shirley J. Olinger, Manager
Office of River Protection

ESQ:DWB

Attachment:
Underground Injection Control Program
Registration Form

cc: See page 2

Ms. M. Shaleen-Hansen
08-ESQ-111

-2-

JUN 06 2008

cc w/attach:

K. A. Conaway, Ecology

O. S. Wang, Ecology

N. A. Homan, FHI

Administrative Record

BNI Correspondence

CH2M HILL Correspondence

Environmental Portal, LMSI

cc w/o attach:

B. G. Erlandson, BNI

J. C. Fulton, CH2M HILL

C. J. Kemp, CH2M HILL

P. C. Miller, CH2M HILL

L. L. Penn, CH2M HILL

J. Cox, CTUIR

S. Harris, CTUIR

B. Becker-Khaleel, Ecology

S. L. Dahl, Ecology

S. L. Derrick, Ecology

J. L. Hensley, Ecology

J. J. Lyon, Ecology

D. Bartus, EPA (Region 10, Seattle)

D. Zhen, EPA (Region 10, Seattle)

G. Bohnee, NPT

K. Niles, Oregon Energy

M. F. Jarvis, RL

R. Jim, YN

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Attachment
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Underground Injection Control Program Registration Form



Underground Injection Control Program Registration Form

Please send completed form to: UIC Coordinator, Water Quality Program, WA Department of Ecology, P.O. Box 47600, Olympia, WA 98504-7600

To expedite the registration of your facility, fill out this form in its entirety.

A. Facility/Site Information:

1. Facility Name: U. S. Department of Energy
2. Address: PO Box 450
City/State/Zip: Richland WA 99352 County: Benton
Telephone #: 509.373.2566
Cross Streets: North/South Hanford Rt. 4 East/West Hanford Route 3
3. Township 12 N Range: 26 E Section: 5 ¼ Section SE ¼ ¼ Section: SE
4. Nature of business and materials handled: The 609-J Breathing Air Facility is a building used for compression of breathing air into cylinders, both fixed and portable. Transport of cylinders by motor vehicle. Maintenance materials for air compressors (lubrication oil, grease, etcetera.) are stored within the building and not exposed to stormwater.
5. Pollution prevention/treatment methods used at site
Materials are stored within the building so exposure to stormwater does not occur.
There are two catch basins. Stormwater flow path is into one catch basin, across to second catch basin by underground pipe, and then out of second catch basin to surrounding land. Stormwater does not come into contact with materials stored within building. Both catch basins have 3-inch diameter holes to remove standing water from the basin. Each basin is 2-feet in diameter with a depth of 4-feet.
6. Has a permit been issued for the site? No Yes, NPDES State Waste Discharge
Issued By: _____

B. Owner/Operator Information:

1. Owner Name: U. S. Department of Energy
Owner Address: PO Box 450
City/State/Zip: Richland, WA 99352
Telephone No: 509.373.2566
2. Operator/Contact Name: CH2M Hill, Hanford, Inc. / W. A Kitchen
Operator/Contact Address: P. O. Box 1500
City/State/Zip: Richland, WA 99352
Telephone No: 509.376.1370

C. Ground Water Information:

1. Distance from UIC well to nearest drinking water source (feet) from the UIC well: ~38,000 feet
2. Distance from UIC well to nearest surface water (lake or river source (feet): ~38,000 feet

D. Remediation Sites (if applicable):

1. Type of remediation site CERCLA RCRA MTCA Independent MTCA Order Other

2. Groundwater quality (including contaminant levels): _____

3. Brief description of site geology: _____

4. Injection process, including volume amounts (gals.): _____

E. UIC Well Information for Site

| UIC well type | UIC well count | Well status: active (AC), permanently abandoned (PA); under construction (UC) | UIC well depth (in feet) | Approximate date when UIC well was installed | Latitude (in degrees and decimal minutes (46.000) | Longitude (in degrees and decimal minutes (121.000) | Where does the fluid drain from? i.e., if stormwater, does it drain from the roof, loading dock, inside floor drain |
|-----------------|----------------|---|--------------------------|--|---|---|---|
| For Example 5D2 | 1 | AC | 5 | | 46.000 | 121.000 | Storm water from residential road way |
| 5D2 | 2 | AC | 4 | December 2005 | 46.5509 | 119.5787 | Storm water from facility roofs and paved driveway leading to a covered loading area. |

EPA Well Types

| | | | |
|----------------------------------|-------------------------------|------------------------------------|--------------------------|
| 5A19 Cooling water return | 5R21 Aquifer recharge | 5W31 Septic system (well disposal) | 5X28 Motor vehicle waste |
| 5D2 Stormwater | 5W9 Untreated sewage | 5W32 Septic system (drainfield) | |
| 5D4 Industrial stormwater runoff | 5W10 Cesspool | 5A7 Closed loop heat pump return | |
| 5G30 Special drainage water | 5W11 Septic system (gen) | 5X26 Aquifer remediation | |
| 5A6 Geothermal heat | 5W20 Industrial process water | 5X27 Other wells | |

Completed by: John Guberski

Date: May 22, 2008

For questions, call Mary Shaleen-Hansen at 360-407-6143 or e-mail can be sent to maha461@ecy.wa.gov.

ECY 040-47 Rev. 11/2004

If you need this information in an alternate format, please contact us at 360-407-6404. If you are a person with a speech or hearing impairment, call 711 or 800-833-6388 for TTY.