



Department of Energy
 Richland Operations Office
 P.O. Box 550
 Richland, Washington 99352

09-AMCP-0090

MAR 12 2009

Ms. D. McBaugh, Section Head
 Environmental Radiation Section
 Washington State Department of Health
 P.O. Box 47827
 Olympia, Washington 98504

Mr. D. Grant
 Aquatic Resources Division
 State of Washington
 Department of Natural Resources
 713 East Bowers Road
 Ellensburg, Washington 98926

RECEIVED
 MAR 31 2009
EDMC

Addressees:

DEPARTMENT OF NATURAL RESOURCES LAND LEASE MONITORING REPORT
 FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
 NO. WA 002591-7 OUTFALL 001 – JANUARY 2009

This letter forwards the Hanford Site 300 Area Treated Effluent Disposal Facility Monthly Monitoring Data as required by Aquatic Lands Sewer Outfall Lease 20-013357 for your review. The monitoring data for radionuclides present in the effluent are provided in the attached table. The data indicate that all values monitored are below the State guidelines. Reporting of the sample results are provided and transmitted to the Washington State Department of Health, according to Exhibit C of the lease. This report covers the reporting period from December 22, 2008, through January 27, 2009.

If you have any questions, please contact me, or you may contact Larry Romine, of my staff, on (509) 376-4747.

Sincerely,


 Matthew S. McCormick, Assistant Manager
 for the Central Plateau

AMCP:SKM

Attachment

cc: See Page 2

Addressees
09-AMCP-0090

-2-

MAR 12 2009

cc w/attach:

G. Bohnee, NPT

A. L. Boyd, EPA

L. Buck, Wanapum

K. A. Conaway, Ecology

R. H. Engelmann, CHPRC

D. L. Halgren, CHPRC

S. Harris, CTUIR

R. Jim, YN

K. Ogle, EPA (Seattle)

M. Priddy, WDOH

E. R. Skinnerland, Ecology

H. T. Tilden, PNNL

Administrative Record (300 Area Treated Effluent

Disposal Facility Liquid Effluent) and (Aquatic

Lands Sewer Outfall Lease 20-013357)

Environmental Portal

H-07

Hanford Site

300 Area Treated Effluent Disposal Facility
Department of Natural Resources
Monthly Monitoring Data

January 2009

Analysis	Result (pCi/L)	Counting Error (pCi/L)	State Standard (pCi/L)
Total Alpha	BDL ⁽²⁾ (0.68)	+/- 2.8	15 ⁽³⁾
Total Beta	8.0	+/- 4.0	50 ⁽³⁾
GEA ⁽¹⁾ - ⁶⁰ Co	BDL ⁽²⁾ (-2.42)	+/- 3.8	3,000 ⁽⁴⁾
¹³⁷ Cs	BDL ⁽²⁾ (-3.25)	+/- 4.4	1,000 ⁽⁴⁾
Tritium	BDL ⁽²⁾ (73.0)	+/- 120	20,000 ⁽³⁾

- (1) GEA: Gamma Energy Analysis
- (2) BDL: Below Detection Limit
- (3) Standards for total alpha, total beta, and tritium from the State of Washington, Department of Natural Resources, Aquatic Lands Sewer Outfall Lease 20-013357, Exhibit C
- (4) Washington Administrative Code 246-221-290 (Table II, effluent water)