



Department of Energy
Richland Operations Office
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0073158

07-AMCP-0221

JUL 02 2007

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

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

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EDMC

Addressees:

DEPARTMENT OF NATURAL RESOURCES LAND LEASE MONITORING REPORT
FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
NO. WA 002591-7 OUTFALL 001 - MAY 2007

The purpose of this letter is to forward for your review, the attached 300 Area Treated Effluent Disposal Facility, Department of Natural Resources monthly monitoring data, as required by Aquatic Lands Sewer Outfall Lease 20-013357. Monthly monitoring data for radionuclides present in the effluent are provided in the attached table. The data indicate that all values monitored are well below State guidelines. Reporting of monthly composite 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 April 24, 2007, through May 22, 2007.

If you have any questions, please contact me, or you may contact Mark French of my staff, on (509) 373-9863.

Sincerely,

Matthew S. McCormick, Assistant Manager
for the Central Plateau

AMCP:SKM

Attachment

cc: See Page 2

Addressees
07-AMCP-0221

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JUL 02 2007

cc w/attach:

G. Bohnee, NPT

A. L. Boyd, EPA

K. A. Conaway, Ecology

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K. Ogle, EPA (Seattle)

M. Priddy, WDOH

D. G. Ranade, FHI

E. R. Skinnarland, Ecology

H. T. Tilden, PNNL

Administrative Record (300 Area Treated Effluent *H-0-7*

Disposal Facility Liquid Effluent) and (Aquatic

Lands Sewer Outfall Lease 20-013357)

Environmental Portal

Hanford Site
300 Area Treated Effluent Disposal Facility

Monthly Monitoring Data

May 2007

| Analysis | Result (pCi/L) | State Standard (pCi/L) |
|---------------------------------------|--------------------|---------------------------|
| Total Alpha | 1.30 | 15 ⁽³⁾ |
| Total Beta | 6.50 | 50 ⁽³⁾ |
| GEA ⁽¹⁾ - ⁶⁰ Co | BDL ⁽²⁾ | 3,000 ⁽⁴⁾ |
| ¹³⁷ Cs | BDL ⁽²⁾ | 1,000 ⁽⁴⁾ |
| Tritium | BDL ⁽²⁾ | 20,000 ⁽³⁾ |

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