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

08-AMCP-0134

MAR 20 2008

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

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EDMC

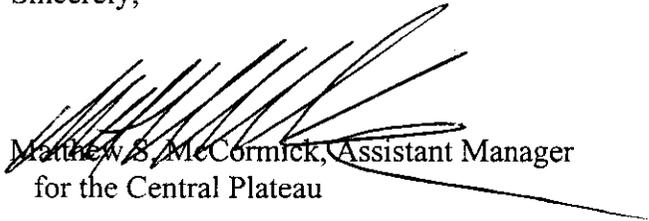
Addressees:

DEPARTMENT OF NATURAL RESOURCES LAND LEASE MONITORING REPORT
FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
NO. WA 002591-7 OUTFALL 001 – JANUARY 2008

The purpose of this letter is to forward for your review, the attached 300 Area Treated Effluent Disposal Facility, Department of Natural Resources monitoring data, as required by Aquatic Lands Sewer Outfall Lease 20-013357. The monitoring data for radionuclides present in the effluent are provided in the attached tables. The data indicate that all values monitored are well below 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 18, 2007, through January 22, 2008.

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
08-AMCP-0134

-2-

MAR 20 2008

cc w/attach:

G. Bohnee, NPT

A. L. Boyd, EPA

L. Buck, Wanapum

K. A. Conaway, Ecology

R. H. Engelmann, EFSH

D. L. Halgren, FHI

S. Harris, CTUIR

R. Jim, YN

K. Ogle, EPA (Seattle)

M. Priddy, WDOH

E. R. Skinnarland, 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

457

Hanford Site
300 Area Treated Effluent Disposal Facility

Monthly Monitoring Data

January 2008

| Analysis | Result (pCi/L) | State Standard (pCi/L) |
|---------------------------------------|--------------------|---------------------------|
| Total Alpha | BDL ⁽²⁾ | 15 ⁽³⁾ |
| Total Beta | BDL ⁽²⁾ | 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)