



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

0045319

SEP 16 1996

96-EAP-368

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

Dear Mr. Grant:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT NONCOMPLIANCE

Pursuant to Section 4.5(d)2. of the Aquatic Lands Sewer Outfall Lease No. 20-013357, please find enclosed a copy of two written Noncompliance Reports submitted to the U.S. Environmental Protection Agency (EPA) for the 300 Area Treated Effluent Disposal Facility. The National Pollutant Discharge Elimination System (NPDES) Permit (No. WA-002591-7), Section II, Part G, Item 2, requires the U.S. Department of Energy, Richland Operations Office (RL) to provide the EPA with a written notification when the maximum daily limit (MDL) is exceeded for any of the pollutants listed in the permit. Section II, Part H of the permit requires a written notification to be provided to the EPA for other noncompliant situations such as exceeding an average monthly limit. The enclosed Noncompliance Reports provide written notification that during July 1996 an MDL and an average monthly limit for arsenic were exceeded.

If you have any questions or require additional information, please contact me or Randall Krekel of RL on (509) 376-4264.

Sincerely,

James E. Rasmussen, Director
Environmental Assurance, Permits,
and Policy Division

EAP:RNK

Enclosure:
Noncompliance Report

- cc w/encl:
- A. DiLiberto, WHC
- W. Dixon, WHC
- E. Flores, PNNL
- D. Halgren, WHC
- T. Moan, EPA
- L. Roberts, WHC
- S. Skurla, Ecology
- D. Sherwood, EPA



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SEP 18 1996
L.W. ROBERTS

Hanford Site
300 Area Treated Effluent Disposal Facility
National Pollutant Discharge Elimination System
Permit Number: WA-002591-7
Section II.G-2 Noncompliance Reporting
July 1996

ARSENIC - Maximum Daily Limit

A. Description of the noncompliance and its causes.

A review of results for a sample taken on July 8, 1996, indicated a single sample arsenic level of 11.0 $\mu\text{g/L}$ (micrograms per liter). This concentration in the TEDF effluent exceeded the NPDES maximum daily limit (MDL) of 5.0 $\mu\text{g/L}$. There is no upset or bypass condition to be associated with the arsenic exceedence. The process was operating with parameters conducive to arsenic removal.

B. The period of noncompliance, including the exact dates and times.

The noncompliance is exclusive to data from the grab sample taken on July 8, 1996. Results from the biweekly sample taken before and after the July 8, 1996, sample reported arsenic concentrations below the MDL.

C. The estimated time noncompliance is expected to continue if it has not been corrected.

The noncompliance is not expected to continue beyond this sample event. Based on previous events and plant capabilities intermittent exceedences may occur in the future even though the plant is operated at parameters conducive to arsenic removal.

D. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

300 Area TEDF will continue to be operated within the design and operating parameters for which the plant was built to operate. No specific changes will be made to the plant operation.

Hanford Site
300 Area Treated Effluent Disposal Facility
National Pollutant Discharge Elimination System
Permit Number: WA-002591-7
Section II.H Noncompliance Reporting
July 1996

ARSENIC - Average Monthly Limitation

A. Description of the noncompliance and its causes.

The average arsenic value for the month of July, 1996, was 7.0 $\mu\text{g/L}$ (micrograms per liter). This concentration exceeded the NPDES average monthly limitation (AML) of 3.0 $\mu\text{g/L}$. The high average was due to sample results of 11.0 $\mu\text{g/L}$, on July 8, 1996, and 3.0 $\mu\text{g/L}$, on July 22, 1996.

There is no identifiable cause for the exceedence. The plant was operating with all processes functioning within the control limits.

B. The period of noncompliance, including the exact dates and times.

The noncompliance covers the month of July, 1996.

C. The estimated time noncompliance is expected to continue if it has not been corrected.

The noncompliance is exclusive to the month of July, 1996. Arsenic results for the 300 Area TEDF effluent received so far for the month of August have been below the AML.

D. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

300 Area TEDF will continue to be operated within the design and operating parameters to which the plant was intended to operate.