



Portland General Electric Company

October 10, 1990  
ES-391-90L  
TROJAN  
GOV REL 9C

Oregon Dept Environmental Quality  
Executive Building  
811 SW Sixth Ave  
Portland OR 97204

Gentlemen:

Enclosed is the NPDES report for the Trojan Nuclear Plant for September 1990, also enclosed are data required to be submitted, in addition to that on standard NPDES forms. The plant maintained power generation during the month except for an unscheduled shutdown on September 24. The plant is expected to resume power generation during the first week of October

The sewage plant effluent suspended solids and BOD daily maximum limits for concentration (30 ppm), and pounds released (25 lbs/day) were exceeded on September 26. The release values were 385 ppm and 93.6 lbs/day for suspended solids and 323 ppm and 78.6 lbs/day for BOD. The monthly average release limits for BOD and suspended solids were also exceeded due to the high September 26 values. It should be understood that the reported monthly average values were based on the average of six analyses performed during the month and are not a true indication of average daily effluent quality. The sewage effluent quality was excellent for 29 out of 30 days in September.

The cause of the out-of-specification condition on September 26 was operator error. The Technician in charge of operating the plant had placed the treatment tank aeration blowers in manual to obtain pressure reading and inadvertently left the blowers in manual operation. As a result the blowers remained on during the decant cycle of the treatment process causing significant solids carryover. The technician had placed the blowers in manual late in his shift and the condition was not discovered until approximately 0800 the next day when the technician reported for work. The technician took prompt action to prevent any further high solids discharges and to return the plant to proper operating condition. Corrective action was also taken to modify the system process controller program to prevent a possible recurrence of this type of upset condition.

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Circulating water system drainage to the Recreation Lake was required on several occasions due to main condenser inleakage. The discharge time periods are as follows:

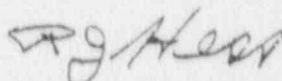
1851 9/24/90 to 0753 9/25/90  
1357 9/26/90 to 2330 9/26/90  
0500 9/28/90 to 2156 9/28/90  
0050 9/29/90 to 0154 9/26/90

All required samples were taken and were within specification.

The main plant outfall pH monitor was out-of-service from 1703 hours on September 10 to 1705 hours on September 14 because of faulty temporary tygon connectors. The main plant outfall flow and BTU monitors were out-of-service from 1130 to 1529 hours on September 13 to correct an inaccurate flow indicator. The main plant outfall chlorine monitor was taken out-of-service on September 14 at 1950 hours as the recorder was inoperable. During periods of outage, all required backup analyses or calculations were performed and were within specification.

If you have questions, please contact Stan Katkansky at 464-8524.

Sincerely,



R. J. Hess, Manager  
Environmental Sciences

RJH/SCK:slc  
Enclosure

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