



FEB 27 2004

LR-E04-0100

CERTIFIED MAIL
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Administrator of Water Compliance and Enforcement
New Jersey Department of Environmental Protection
401 East State Street, 4th Floor East
PO Box 422
Trenton, NJ 08625-0422

SALEM GENERATING STATION
NJPDES PERMIT NUMBER NJ0005622
FIVE DAY REPORT
CASE NUMBER 04-02-25-1259-56

Dear Sir:

In accordance with N.J.A.C. 7:14A-6.10, PSEG Nuclear LLC (PSEG) has prepared this report confirming the exceedance of the daily maximum and monthly average permit limits for petroleum hydrocarbons at DSN 489C. On February 24, 2004 Salem Generating Station received analytical results from South Jersey Testing Laboratory, which indicated that the permit limits for petroleum hydrocarbons for DSN 489C had been exceeded. The reported analytical value was 65.3 milligrams per liter (mg/l). An additional sample was obtained on February 24, 2004. The reported analytical value for that sample was 14.9 mg/l. Based on these two analytical results it was not possible to reduce the monthly average below the permit limit. The permit limit for petroleum hydrocarbons is 10 mg/l as a monthly average and 15 mg/l as a daily maximum. DSN 489C is the outfall from the Oil/Water Separator (OWS) and discharges to the Delaware River. There was no evidence of any damage or injury to human health or the environment as a result of this exceedance.

As this sample was obtained on February 4, 2004, it is not known how long the system was out of compliance or the total volume of the discharge. However, the sample taken on January 7, 2004 and subsequent samples taken on February 24 and 25, 2004 indicated that the system was in compliance.

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PSEG is investigating the cause of the discharge and to date has discovered that two of the coalescer packs on the OWS unit 1 separator had become fouled and partially dislodged from their retaining racks, and one of the coalescer packs on the OWS unit 2 separator had physically moved from its position. In this condition wastewater could pass through the separator only partially treated. PSEG believes that this condition was the most likely cause of the exceedance.

In order to prevent reoccurrence, PSEG has replaced the failed coalescer packs on the OWS unit 1 separator and removed the OWS unit 2 separator from service until an internal inspection can be performed. Since these measures were taken the petroleum hydrocarbon level has been reduced to 1 mg/l. Further corrective measures are being considered as part of the investigation. When the investigation is completed, any additional measures taken will be communicated to the NJDEP.

The discharge was reported to the New Jersey Department of Environmental Protection (NJDEP) Hotline and assigned Case No. 04-02-25-1259-56. The discharge was also reported to the Nuclear Regulatory Commission (NRC).

Should you have any additional comments or questions regarding this matter, please contact Mr. David Hurka of my staff at (856) 339-1275.

Sincerely,



James M. Eggers
Environmental Licensing Supervisor

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