



SCH08-140

VIA FEDERAL EXPRESS

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

RE: PSEG Nuclear LLC - Salem Generating Station  
NJPDES Permit No. NJ0005622  
NJDEP Case No. 081107100509  
Follow up Report

Dear Sir/Madam:

In accordance with N.J.A.C. 7:1E-5.8, PSEG Nuclear LLC ("PSEG Nuclear") is submitting this confirmation report concerning a discharge of approximately 3 ounces of Terrasolve 146 Biodegradable Fish Oil. The discharge was reported to the New Jersey Department of Environmental Protection (NJDEP) hotline and assigned case number 081107100509. This discharge was also reported to the Nuclear Regulatory Commission pursuant to that agency's requirements.

**A description of the discharge, including the time of the discharge, the location of discharge, the volume of the discharge, and the receiving water of the discharge;**

On November 07, 2008 at ~0955, the Operations Shift Manager received confirmation that a small discharge of biodegradable fish oil to the Delaware River had occurred. The discharge of approximately three ounces of Terrasolve Biodegradable Fish Oil formed a small sheen of oil on the surface of the Delaware River in front of the Circulating Water (CW) Plant intake. Our own C W pumps removed this sheen of oil.

**Steps being taken to determine the cause of the Discharge;**

PSEG has conducted an investigation in accordance with our problem identification and resolution process. The results of this investigation are reported in this letter.

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**Steps being taken to reduce, remediate, and eliminate the discharge and any damage to the environment, and the anticipated time frame to initiate and complete the steps to be taken;**

The discharge has been eliminated. No visible impact to the environment was noted.

**The duration of the discharge, including the dates and times of the commencement;**

The approximate start of the discharge is believed to be 09:23 on 11/07/2008. The discharge was stopped before 09:30 on 11/07/2008.

**The cause of the discharge;**

Biodegradable oil leaked from the oil reservoir from one of the three Godwin dewatering pumps into the pump casing. Subsequently, drops of oil that amounted approximately 3 ounces seeped into the Delaware River Bay in front of the Circulating Water plant intake, creating a small sheen of oil that promptly disappeared as it was sucked into the plant Circulating Water process.

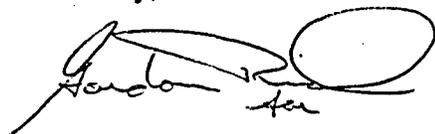
**Steps being taken to reduce, eliminate, and prevent reoccurrence of the discharge;**

The following corrective actions have been completed:

- The switch for the dewatering pump with the biodegradable fish oil leak was tagged to prevent further use of the pump.
- Corrected the leak source on the oil reservoir.
- Added a pre service inspection for the pumps.

If you have any questions regarding this information, please contact Luis Cataldo of my staff at (856) 339-2307.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Suey". The signature is stylized with a large loop at the end.

Greg Suey  
Salem Chemistry & Environmental Manager

C NJDEP

Southern Enforcement Office  
One Port Center  
2 Riverside Drive, Suite 201  
Camden, NJ 08102  
Attn: Mr. Steven Mathis

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Delaware Emergency Management Agency  
Attn.: Janet Chomiszak  
165 Brick Store Landing Road  
Smyrna, DE 19977

BC

Site Vice President - Salem  
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W. Gamon Biggs  
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