

SEP 02 2003



LR-E03-0382

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER 7001 1140 0002 6726 6586**

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

**PSEG NUCLEAR LLC
SALEM GENERATING STATION
NJPDES PERMIT NUMBER NJ0005622
FIVE DAY REPORT
CASE NUMBER 03-08-29-0901-20**

Dear Sir:

In accordance with N.J.A.C. 7:14A-6.10(a)2, PSEG Nuclear has prepared this report confirming the discharge to the Delaware River of approximately 100,000 gallons of water containing a concentration of 0.3 mg/l of Hydrazine, (CAS # 302-01-2). The discharge was discovered by a Chemistry Technician at 0720 hours on August 29, 2003 and the source of the discharge was immediately secured. The discharge was reported to the New Jersey Department of Environmental Protection ("NJDEP") Hotline and assigned Case No. 03-08-29-0901-20. The discharge was also reported to the Nuclear Regulatory Commission ("NRC").

Pursuant to N.J.A.C. 7:14A-6.10(e), the following information is submitted to satisfy the requirements of N.J.A.C. 7:14A-6.10(d)1-8:

1. This discharge consisted of 100,000 gallons of water containing a concentration of 0.3 mg/l of Hydrazine from the Non-Radioactive Liquid Waste Disposal System ("NRLWDS") to the Delaware River. The discharge was discovered at 0720 hours on August 29, 2003.
2. An investigation of the cause of the discharge disclosed that the discharge occurred as a result of a basin transfer pump at the NRLWDS not being

IE25

Administrator of Water Compliance and Enforcement
LR-E03-0382

properly secured prior to the addition of untreated wastewater to the system. The wastewater passed through the NRLWDS without being treated and was discharged through an internal monitoring point DSN 48C. DSN 48C discharges to the Delaware River after co-mingling with DSNs' 481, 482, 484 and 485.

3. The source of the discharge was immediately secured upon discovery.
4. The exact time that the discharged commenced is unknown but based upon a review of operator logs it was sometime between 0500 and 0720 hours on August 29, 2003.
5. The cause of the noncompliance was human error.
6. In order to prevent recurrence of this event, independent verification (or dual verification when appropriate) has been implemented for those process/procedure steps that could result in an unpermitted discharge from the NRLWDS.
7. No injuries resulted from this discharge and there was no evidence of environmental damage. The NRLWDS discharges through DSN 48C at nominally 600 gpm and co-mingles with DSNs' 481, 482, 484 and 485, which have an individual flow rate of 350,000 gpm each. At this dilution rate no hydrazine would have been detectable at the final outfall.
8. The source of the discharge was immediately secured upon discovery. No injuries resulted from this discharge and there was no evidence of environmental damage.

If 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

SEP 02 2003

Administrator of Water Compliance and Enforcement
LR-E03-0382

C Mr. Steve Mathis
NJDEP
Southern Regional Office
1 Port Center, 2 Riverside Drive
Suite 201
Camden, NJ 08103

USNRC
Document Control Desk
Washington, DC 20555