

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9206030096    DOC. DATE: 92/05/27    NOTARIZED: NO    DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv    05000387  
 AUTH. NAME    AUTHORITY AFFILIATION  
 FIELDS, J.S.    Pennsylvania Power & Light Co.  
 RECIP. NAME    RECIPIENT AFFILIATION  
 LEHMAN, S.J.    Pennsylvania, Commonwealth of

SUBJECT: Describes util plan to descale condenser in Mar 1992 during outage to remove calcium carbonate scale w/Betz product (DE-1762) from circulating water sys. Parameters will continued to be monitored to ensure NPDES permit compliance.

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NOTES: LPDR 1 cy Transcripts. 05000387

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Pennsylvania Power & Light Company

May 27, 1992

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Mr. Stanley J. Lehman  
Water Quality Specialist Supervisor  
Bureau of Water Quality  
Pennsylvania Department of Environmental Resources  
90 East Union Street, 2nd Floor  
Wilkes-Barre, PA 18701-3296

SUSQUEHANNA STEAM ELECTRIC STATION  
DESCALING UNIT I RECIRCULATING COOLERS  
CCN 741326 FILE-R9-8A  
PLE-15614

Dear Mr. Lehman:

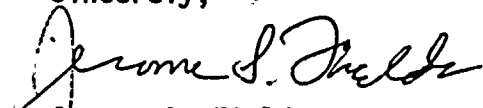
Pennsylvania Power and Light Company (PP&L) previously notified your office that there was a plan to descale the Unit I condenser in March 1992 (letter PLE-15205, February 3, 1992) during an outage. The purpose of this activity was to remove calcium carbonate scale with a Betz product DE-1762 from the Unit I Circulating Water System. Most of the descaling activity occurred in March 1992, however, descaling of the Recirculating System motor generator (mg) set lube oil coolers will be completed by the end of May 1992.

The amount of descalant used to date was approximately 40,000 lbs. and with this last activity up to an additional 20,000 lbs. will be applied. The total amount of Betz DE-1762 used will be below 60,000 lbs.

The maximum concentration in the blowdown (Outfall 071) for descaling of the Recirculating System mg set lube oil coolers will be 300 mg/l, well below the concentration of 500 mg/l for descaling the condenser, and this event will have essentially no impact on pH or zinc concentration in the blowdown. These two parameters will continue to be monitored to ensure NPDES permit compliance.

If you have any questions, please contact Jim Wolfer of the Station Chemistry Staff at (717) 542-3981 or me at (215) 774-7889.

Sincerely,

  
Jerome S. Fields  
Sr. Environmental Scientist

jsf/lte201a(25)

cc: ~~NRC-Document-Control-Desk~~  
NRC Region I  
Mr. J. J. Raleigh, NRC Project Manager

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