

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388  
 AUTH. NAME AUTHOR AFFILIATION  
 FIELDS, J. S. Pennsylvania Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 LEHMAN, S. Wilkes-Barre, PA

SUBJECT: NPDES noncompliance: on B60409, discharge to sewage treatment plant at Outfall 079 exceeded monthly average. Caused by pressure relief problems in clarified water sys.

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Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

April 21, 1986

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

SUSQUEHANNA STEAM ELECTRIC STATION  
SEWAGE TREATMENT PLANT  
STATUS REPORT OF  
WATER TREATMENT WASTE STREAM  
CCN 741326 FILE R9-8A  
PLE-8243

Dear Mr. Lehman:

The Pennsylvania Power and Light Co. (PP&L) would like to report at this time the results of the addition of the reactivator/clarifier waste stream to the sewage treatment plant (STP). Beginning on March 21, 1986 this discharge was directed to the STP (Outfall 079). As I reported during our April 10, 1986 telephone conversation, the discharge from the STP met the 30 mg/l Total Suspended Solids (TSS) monthly average limit with the exception of the April 9, 1986 sample. This noncompliance was due to excessive flows to the STP of approximately 60,000 gpd on April 8-11, 1986, which were caused by pressure relief valve problems in the clarified water system. This problem was corrected on April 11, 1986.

Table 1 lists pretest TSS data from February 4, through March 20, 1986 and test data from April 2 through 16, 1986. The NPDES permit requires at least 85% reduction in TSS from the STP influent to the effluent and in all cases, this was met. In addition, all biochemical oxygen demand (BOD) and fecal coliform sample data met NPDES requirements. The BOD samples were less than 6 mg/l and the fecal coliform level was less than 3 colonies/100 ml.

PP&L believes as long as the clarifier discharge remains between 3,000 -5,000 gpd there should not be any additional TSS violations of Outfall #079. Therefore, we would like to continue to discharge to the STP even beyond the two month test period as long as no additional violations occur. In the interim PP&L will continue to review other treatment alternatives. Once PP&L selects a permanent treatment for this waste stream, the Pa. DER will be notified. We are leaving all options open including permanent discharge to the STP.

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April 21, 1986

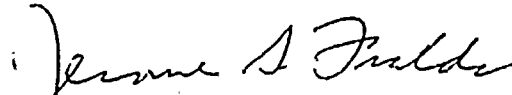
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If you have any questions please contact me at (215) 770-7889.

Respectfully yours,



Jerome S. Fields  
Sr. Env. Scientist-Nuclear

JSF/sml

jsfltd0048601

cc: D. Agustini Pa. DER  
H. G. Hodick Pa. DER  
E. Adensam NRC

Attachment

TABLE 1

## SUSQUEHANNA SES

## SEWAGE TREATMENT PLANT

TOTAL SUSPENDED SOLIDS DATA

SAMPLE COLLECTION DATES	INFLUENT mg/l	EFFLUENT <sup>(1)</sup> mg/l	PERCENT <sup>(2)</sup> REDUCTION %
2/4-5/86	113	12	89
2/19-20/86	235	8	97
2/26-27/86	245	10	96
3/5-6/86	250	13	95
3/12-13	115	7	94
3/19-20/86	190	7	96

## CLARIFIER DISCHARGE TO STP BEGAN 3/21/86

4/2-3/86	380	18	95
4/8-9/86 <sup>3</sup>	815	84	90
4/10-11/86	215	13	94
4/15-16/86	440	12	97

- NOTES: (1) Effluent limits 30 mg/l - average, 60 mg/l - Max  
 (2) Percent reduction limit at least 85%  
 (3) Discharged 60,000 gpd to STP - pressure relief valve problems.  
 Normal discharge is 3,000 - 5,000 gpd.