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 AUTH. NAME AUTHOR AFFILIATION
 SAXTON, C.H. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 INSALACO, L.C. Pennsylvania, Commonwealth of

SUBJECT: RO: potential leak from acid/chlorine bldg sump discovered.
 Initially reported on 890816.

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Pennsylvania Power & Light Company

August 24, 1989

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

Mr. Leonard C. Insalaco
Emergency Response Coordinator
Bureau of Water Quality Management
Pennsylvania Department of Environmental Resources
90 East Union Street - 2nd Floor
Wilkes-Barre, PA 18701-3296

SUSQUEHANNA STEAM ELECTRIC STATION
ACID/CHLORINE SUMP LEAKAGE CONCERN
CCN 741326 FILE R9-8A
PLE- 11758

Dear Mr. Insalaco:

This letter is a followup to our phone conversation of August 16, 1989, regarding a potential leak from the acid/chlorine building sump. We have conducted a level drop test and thorough inspection of the sump and determined that although damage to the sump lining and concrete walls has occurred due to attack by sulfuric acid, in no case was the one foot thick concrete retaining wall or bottom slab of the sump penetrated. No leakage to the environmental occurred. Minimum wall thickness was determined to be approximately six inches in the most severely pitted areas of the sump.

We are formulating a repair plan to return the sump to the original design specification. This work will include coating the sump with an acid resistant liner which will be more compatible under the current operating conditions. Efforts are also underway to identify and eliminate acid leakage to the sump.

We have determined that this activity does not involve an environmental concern since there has been no unmonitored discharge to the environment. If there are additional developments, we will notify your office directly.

Sincerely,

Curtis H. Saxton

chs/1th8641a(25)

cc: Mr. Ronald Brezinski, Pa DER
NRC Region III
~~NRC Documents Control Desk~~
NRC Region I
Mr. F. I. Young, NRC Sr. Resident Inspector
Mr. M. C. Thadani, NRC Project Manager

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