B 06/14/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-387/388

REC: REAGAN W
NRC

ORG: RUHA N M
US ENVIRON PROTEC AGENCY

DOCDATE: 06/08/78
DATE RCVD: 06/13/78

DOCTYPE: LETTER - NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 0

SUBJECT:
FURNISHING COMMENTS ON THE ENVIRON REPT OF SUBJECT FACILITY.

PLANT NAME: SUSQUEHANNA -- UNIT 1
SUSQUEHANNA - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTER INITIAL: M

********** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS **********

ENVIRONMENTAL COMMENTS
(DISTRIBUTION CODE C002)

FOR ACTION:
ASST DIR MOORE**LTR ONLY(1)
PROJ MGR BAJWA**LTR ONLY(1)
BR CHIEF EPB#2 BC**LTR ONLY(1)
LIC ASST DUNCAN**LTR ONLY(1)

FOR INFO:
VASSALLO**LTR ONLY(1)
LWR#3 BC**LTR ONLY(1)

FOR INFO:
MINER**LTR ONLY(1)
RUSHBROOK**LTR ONLY(1)

INTERNAL:
REG FILE**LTR ONLY(1)
I & E**LTR ONLY(2)
HANAUER**LTR ONLY(1)
AD FOR ENV TECH**LTR ONLY(1)
COST BENEFIT ANLYS**LTR ONLY(1)
AD FOR SITE ANLYS**LTR ONLY(1)
EFFLUENT TREAT SYS**LTR ONLY(1)
NRC PDR**LTR ONLY(1)
OELD**LTR ONLY(1)
DIRECTOR DSE**LTR ONLY(1)
ENVIRO SPEC BR**LTR ONLY(1)
AD FOR SITE TECH**LTR ONLY(2)
ACCIDENT ANALYSIS**LTR ONLY(1)
RAD ASSESSMENT BR**LTR ONLY(1)

EXTERNAL:
LPDR'S
WILKES BARRE, PA**LTR ONLY(1)
NATL LAB ANL**LTR ONLY(6)
NSIC**LTR ONLY(1)
TIC**LTR ONLY(1)
ACRS CAT B**LTR ONLY(0)

DISTRIBUTION: LTR 34 ENCL 0
SIZE: 2P

CONTROL NBR: 781650003
Env. 4 GD

********** THE END **********

FILE LOCATION

#2
78125-0068 TASK NBR:
LETTER FICHE NBR :
1P+1P NOTARIZED: NO
LPDR: YES CLASS:

RECP AFFILIATION: NRC
J ORG AFFILIATION: CONSOL EDISON OF NY

DING LICENSEE EVENT REPT (RO 50-247/78-011/03L-0) ON 04/01/78 CONCERNING
EMPERATURE SHUTOFF VALVES IN THE MAIN STEAM SUPPLY TO NO. 22 AUX BOILER
UMP WOULD NOT OPERATE VIA AUTO SIGNALS, ALTHOUGH THEY WOULD MANUALLY
FULL STROKE.

78125-0069 TASK NBR:
LETTER FICHE NBR :
1P+1P+1P NOTARIZED: NO
LPDR: YES CLASS:

RECP AFFILIATION: NRC
J ORG AFFILIATION: CONSOL EDISON OF NY

DING LICENSEE EVENT REPT (RO 50-247/78-012/03L-0) ON 03/14/78 CONCERNING
SURVEILLANCE TEST, THE LIFT SETTING OF ONE OF THE THREE PRESSURIZER
VALVES (PCV-468) WAS FOUND TO BE APPROX. 0.8% BELOW ITS MINIMUM ALLOWABLE
G SPECIFIED IN TECH SPECS.

78128-0014 TASK NBR:
LETTER FICHE NBR :
1P+5P+13P NOTARIZED: NO
LPDR: YES CLASS:

A RECP AFFILIATION: NRC
J ORG AFFILIATION: CONSOL EDISON OF NY

DING ADDL INFO REQUESTED BY NRC TO COMPLETE REVIEW OF APPLICANT"S
78 LTR CONCERNING STEAM GENERATOR INSPECTION PROGRAM AND RESULTS & MAPS
ATIONS OF TUBES WHICH DID NOT PERMIT PASSAGE OF THE 700 MIL PROBE OF
T FACILITY.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
6TH AND WALNUT STREETS
PHILADELPHIA, PENNSYLVANIA 19106

JUN 8 1978

50-387
388

Mr. William Reagan
Branch Chief
Branch #2 Environmental Projects
Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Reagan:

We have completed our review of the Environmental Report concerning the Susquehanna Steam Electric Station Units One and Two. Our comments do not include any items involving radiation as Dr. Bettenhausen, our regional specialist, has not had the opportunity to complete the reading of the three volume document. His comments may be expected by the end of June.

Our concerns are as follows:

1. On page 2.4-10, volume two, the topic of heavy metal concentrations in the Susquehanna River is described. Some of these parameters already exceed the toxic limits for aquatic organisms. In the normal operation of the plant water will be lost due to evaporation. This evaporative process will probably concentrate these metals to a greater degree.

On page 3.3-3, volume two, it is also mentioned that this evaporative loss of water will concentrate the dissolved river salts to a degree where they may become insoluble. The applicant has stated that he will acidify the waters to convert the salts to more soluble form. The text also relates that the blowdown limits the concentration of salts to less than four times the river concentration.

If the river water concentration of heavy metals and other dissolved salts, are, at the present time, greater than the recommended levels, concentrating them through evaporation to almost four times ambient levels may result in environmentally unacceptable impact on the ecosystem.

2. Page 3.4-11, volume two. It is related on this page that during an emergency, in order to reduce the formation of chemical scale on heat transfer surfaces, sulfuric acid and a "proprietary organic phosphate" may be added batchwise to the spray ponds. Any excess water in the

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C002/E/S*
1/0

spray pond will pass over a level control weir and return to the river via the diffuser. The impact of the addition of phosphates and acid to the spray ponds with ultimate discharge directly into the river should be discussed in detail.

3. It has been noted that figures in volume two, specifically figures 3.4-3 and 3.4-4, do not show a scale for the map or dimensions on the plans for the intake structure. It is very possible that there are other charts within the report that lack these important features. A careful check should be made to determine the completeness of all figures and tables throughout the document

We thank you for the opportunity to review the environmental report. If you have any questions concerning our review you may contact Dr. S. F. Thoumsin of my staff at 215-597-0961.

Sincerely yours,

for Nicholas M. Ruha
Chief
EIS and Wetlands Review Section