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BNV/DNEP

Docket Nos. 50-387
and 50-388

JAN 15 1980

MEMORANDUM FOR: Donald E. Sells, Acting Chief
Environmental Projects Branch No. 2, DSE

THRU: L. G. Hulman, Chief
Hydrology-Meteorology Branch, DSE

FROM: William S. Bivins, Leader
Hydrologic Engineering Section, HMB, DSE

SUBJECT: REVISION TO THE HYDROLOGIC ENGINEERING INPUT TO THE DRAFT
ENVIRONMENTAL STATEMENT SUPPLEMENT - POND HILL RESERVOIR
EVALUATION

PLANT NAME: Susquehanna Steam Electric Station, Units 1 and 2
LICENSING STAGE: OL
RESPONSIBLE BRANCH: EPB#2; S. Bajwa, EPM

Enclosed is a revision to the subject DES Supplement. This revision was necessitated by changes to the locations and configurations of the pumping plant and pipelines recently proposed by the applicant. Our revision is based upon information submitted by applicant and information obtained during a telephone conversation with the applicant on January 7, 1980. The applicant stated that the information provided during that telephone conversation would be documented by a formal submittal to NRC.

If you have any questions regarding this matter, please contact M. Fliegel, ext. 28028.

Original Signed by
William S. Bivins

William S. Bivins, Leader
Hydrologic Engineering Section
Hydrology-Meteorology Branch, DSE

Enclosure:
As Stated

cc: w/enclosure
D. Muller
W. Kreger
L. Hulman
G. Lear
B. Youngblood

W. Bivins
M. Fliegel
S. Bajwa
NRC PDR
LPDR
HORS (18)

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DATE	01/14/80	01/14/80	01/14/80		

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SURNAME	MHFliegel:km	WSBivins	LGHulman			
DATE	01/14/80	00/ /80	01/ /80			

REVISION TO THE HYDROLOGIC ENGINEERING INPUT
TO THE DRAFT ENVIRONMENTAL STATEMENT SUPPLEMENT
POND HILL RESERVOIR EVALUATION
SUSQUEHANNA STEAM ELECTRIC STATION UNITS 1 AND 2
DOCKET NUMBERS 50-387 AND 50-388

Replace the last two paragraphs of Section 4. - Hydrologic Impacts of Construction with the following:

Water will be conveyed between the inlet-outlet structure in the reservoir and the pumping plant at the Susquehanna River, via pipeline. The pipeline will be buried and will run parallel to the lower reach of Pond Hill Creek from downstream of the dam to the pumping plant. Just below the dam a branch of main pipeline will run to the stream. This will be used to divert natural streamflow during the construction of the dam and later, as described in Section 4.3.2, to supply conservation flow to the stream.

The proposed location of the pumping station is adjacent to the railroad in an area outside the 1 percent chance (100-year) floodplain as shown in figure (figure 11F of December 17, 1979 submittal). Pipelines connecting the pumping plant to the submerged intake and discharge will be buried in the floodplain. The applicant has stated that after completion of construction the land surface in the floodplain will be restored. We conclude that there is no practicable alternative to the construction in the floodplain of this section of pipeline and that the hydrologic impacts would be minimal.