

APR 8 1981

Docket Nos.: 50-460/513

MEMORANDUM FOR: Walter P. Haass, Chief
Quality Assurance Branch
Division of Engineering

Anthony Bournia, Project Manager
Licensing Branch No. 1
Division of Licensing

FROM: George Lear, Chief
Hydrologic and Geotechnical Engineering Branch
Division of Engineering

SUBJECT: REVIEW OF Q LIST: GEOTECHNICAL ENGINEERING

Plant Name: WPPSS Nuclear Project No. 1 & 4
Docket Numbers: 50-460/513
Licensing Stage: Post-CP
Responsible Branch: LB-1, A. Bournia, LPM
Review Status: Continuing

We have reviewed Table 3.2-2 of the WNP-1 & 4 PSAR to determine whether the WNP-1 & 4 PSAR provides an adequate listing of safety-related structures, systems and components (SSC) to which the QA program is applicable.

The specific SSC being reviewed by the Geotechnical Engineering Section, HGEB as shown in Table 3.2-2 of the PSAR, are as follows:

1. Foundations for the following structures:

Containment Building
General Services Building

2. Foundations for the following systems and components, located outside of structures, on site:

Pump House
Borehole Water and Demineralized Water Storage Tanks Enclosures
Fuel Oil Storage Tanks Bunker
Main Steam and Feedwater Isolation Area Enclosure



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3. At the WNP-1 & 4 site, there are the following slopes whose failure could impact safety-related SSC.

Excavated spray pond slopes

6. The Geotechnical Engineering Staff, Hydrologic and Geotechnical Engineering Branch, concludes that the Q-list as shown in Table 3.2-2 of the WNP-1 & 4 SAR is not complete for our area of review responsibility and the soil support for following SSC need to be added:

Class IE Electrical Duct Banks
Buried Essential Service Water Pipeline

This review was performed by Dinesh Gupta, Geotechnical Engineering Section, Hydrologic and Geotechnical Engineering Branch.

Original signed by George Lear

George Lear, Chief
Hydrologic and Geotechnical
Engineering Branch
Division of Engineering

cc: J. Knight
R. Tedesco
G. Lear
H. Levin
L. Heffer
D. Gupta
A. Bournia
J. Spraul

OFFICE	HGEB:DE	HGEB:DE	HGEB:DE	/D LK/DE		
NAME	D Gupta/mc	L Heffer	GLear	JB Knight		
DATE	4/7/81	4/7/81	4/8/81	4/8/81		