

U.S. Department of Energy

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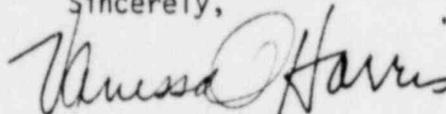
Mr. John C. Lehr
Environmental Review Coordinator
Division of Engineering
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear John:

The Argonne staff has made a quick review of the CPSES unofficial versions of responses to formal questions and amendments to the ER. Attached is a list of questions on the information provided, as well as additional data which we need to complete our review.

We are unable to make a complete review because many of the questions refer to Enclosures 3 through 14 from the applicant's letter dated September 12, 1980. This information has not yet arrived at ANL.

Sincerely,



Vanessa A. Harris
Acting Environmental Review Project
Leader
Division of Environmental Impact Studies

VAH:de

Attachment

cc: J. E. Carson

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CPSSES

Questions on the Responses and Amendments to the ER

Hydrology

1. Amended Section 3.4. The descriptions of the various positions in the circulating water system (Table 3.4-5) do not correspond to the figure (Figure 3.4-14).

Geology

2. Questions 78 and 79 are in the geology category, not terrestrial ecology.
3. An updated version of Section 2.5.6 (Mineral Resources) was not included in the amended ER.

Water Quality

4. Question 62: Please provide copper concentration estimates in Squaw Creek Reservoir (SCR) following the initial release of 32,900,000 grams and the average concentration in SCR when the release is 3,290,000 grams per year. Include soluble copper estimates as well as the copper which precipitates out.

We are concerned about the copper toxicity, not only to the fish, but all aquatic organisms in Squaw Creek Reservoir.

5. Question 64: Using the construction phase records of sanitary sludge removed from the sanitary waste treatment system, please provide an estimate of sludge expected during operation.

Identify where the sludge will be disposed.

6. Amended Table 3.6-1 lists the chemical consumption of sodium hexameta-phosphate, polymer, formaldehyde, and powdex resin; please provide source of use. Identify the chemical composition of powdex resin and polymer.

Aquatic Ecology

7. In the absence of information on the environmental impact of CPSES on SCR, impact assessments at De Cordova SES, located on Lake Granbury, could be useful in assessing those at CPSES. The final biotic composition of SCR should resemble that of Lake Granbury, plus the game fish recently added by the State Fish and Wildlife Agency.

Please provide information on the circulating water in the De Cordova intake structure, especially with respect to intake flow rates and structure of the traveling screens and the information on impingement and entrainment available from annual reports.

8. According to the response to an earlier question concerning probable impingement impacts at CPSES,^a the applicant concluded that the existing intake structure is the best of the various alternatives, and that major impact would be threadfin shad impingement in cold weather. In other words, the impingement impact is not expected to be significant during most of the year.

Since the intake velocity at the traveling screens will be in the range of 1.5 to 2.0 ft/sec (relatively high), and since the State Fish and Wildlife Service has stocked SCR with game fish, the impingement rate of these game fish might be unacceptably high. It is likely that the latter will occur, and if it does, please explain how the game fish will be replaced, and how the impingement losses can be modified. How can the intake rate be reduced within acceptable cost limits?

^aReference letter to Jeremiah D. Jackson of the NRC from Richard Werner (TUSI) dated July 28, 1978 and attached report "Potential for Impingement and Alternatives to the Existing Intake Structure."