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B. J. Youngblood, Chief
Environmental Projects Branch #2, DSE

**HYDROLOGIC ENGINEERING REVIEW OF PROPOSED PREOPERATIONAL
ENVIRONMENTAL MONITORING PROGRAM; TAR NO. 3640**

PLANT NAME: San Onofre Nuclear Generating Station, Units 2 and 3
DOCKET NUMBERS: 50-361 & 362
REQUESTED COMPLETION DATE: June 11, 1976

The proposed monitoring program was reviewed by M. Fliegel and E. Hawkins. The programs designed to acquire baseline data on ocean temperature, turbidity and dissolved oxygen are adequate. The programs designed to monitor construction impacts do not describe procedures to limit the impacts to acceptable levels. This inadequacy should be corrected. Specific comments generated during the review are enclosed.

Original Signed by
L. G. Hulman

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DATE	6/7/76	6/7/76	6/9/76	6/9/76	

HYDROLOGIC ENGINEERING REVIEW OF PROPOSED
PREOPERATIONAL ENVIRONMENTAL MONITORING PROGRAM,
SAN ONOFRE 1 & 2; TAR NO. 3640

I. Temperature, Turbidity and Dissolved Oxygen Baseline Studies

The preoperational monitoring programs described involve adding stations to the already existing operational monitoring programs for unit 1. We assume that the techniques, instrumentation, reporting procedures, etc. will be similar to that used for the unit 1 operational program, and that the unit 1 program will not be curtailed during this program. Under these circumstances, we find the programs adequate for the purpose of establishing baseline data for units 2 and 3 operation.

The applicant states that additional ocean current studies are not necessary since model studies indicate that the thermal plume will meet all state and Federal regulations, even under the most adverse conditions. We find this approach (assuming the worst possible currents in model studies rather than comprehensively measuring actual currents for more realistic model input) acceptable.

II. Construction Monitoring Program

Erosion Control During Construction - The applicant proposes a bi-weekly visual inspection, with documentation provided and corrective action taken when significant erosion is observed. To assure that an orderly inspection is carried through, we recommend that documentation be kept of all erosion inspections. Furthermore, we recommend that the applicant quantitatively define significant erosion.

Construction Dewatering Discharge, Construction Monitoring of Conduit Construction and Sand Disposal - The monitoring programs described by the applicant are adequate if proper record keeping systems are used. However, procedures to assure that construction impacts are kept within acceptable limits are not described. The applicant should state what the limitations are and how the impacts will be controlled to remain within these limits.