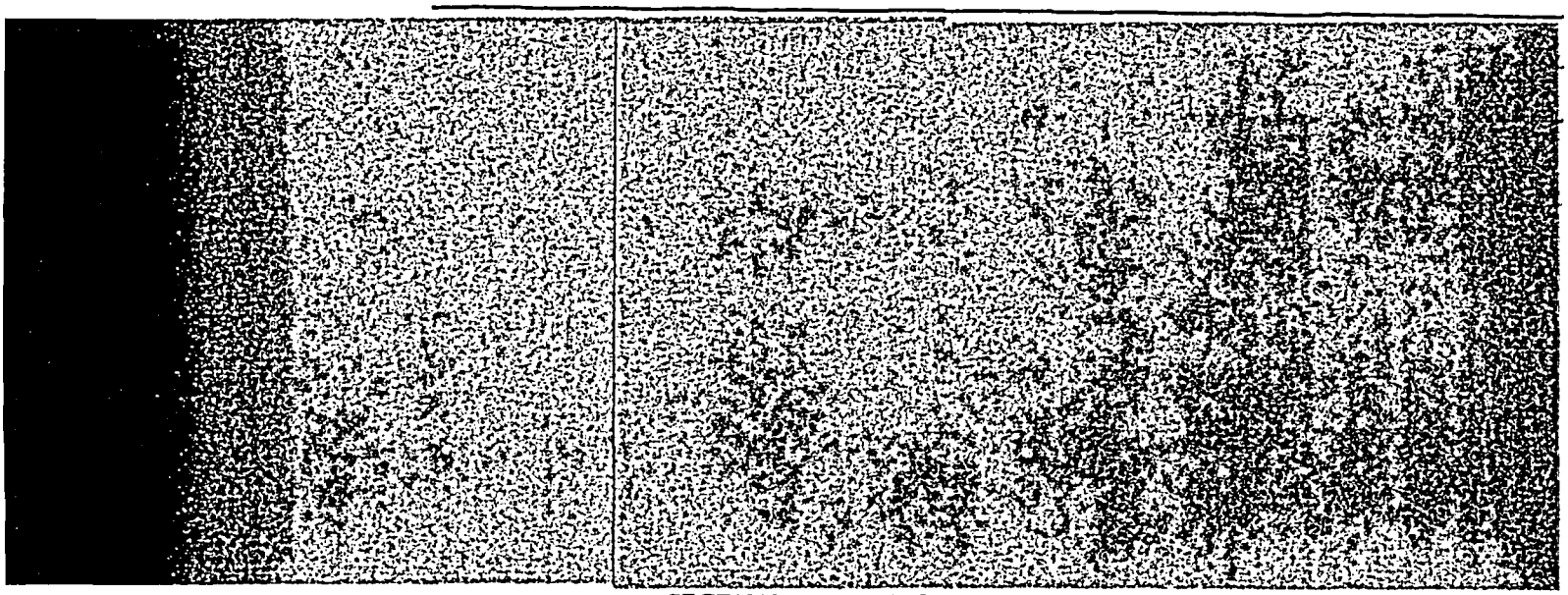
PL - 0238

10 CFR 50.59/72.48 SCREENING AND SAFETY EVALUATION SE 2001-0017
SCR



Title of Proposed Change, Test or Experiment: MR 01-001 Intake crib reconfiguration

Reference Document(s) #: MR 01-001, NEM-89-956, GL 89-13



## SECTION 1 – SCREENING

A. Describe the proposed change, test, or experiment. Include interim configurations or conditions.

PBNP has been ingesting Migratory birds (Cormorants). This modification will remove the structure that the Cormorants have been roosting on to fish. Killing Migratory birds is a violation of the Migratory Bird Treaty Act Violation TITLE 16 – CONSERVATION ss. 703, 707 . The Act states that it is unlawful at any time, by any means or in any manner, to kill any migratory bird with out a permit. PBNP has recently asked for a permit to allow taking of migratory birds. The USF&WS has refused to issue a permit. Assistant US Attorney has stated that solutions implemented thus far are ineffective and the only viable remedy is to remove the intake crib.

The intake crib is located 1,750 feet offshore in about 22 feet of water. The structure consists of two annular rings of 12 inch structural steel "H" piles. The annulus is filled with individually placed 3-12 ton limestone blocks. The structure has an outside diameter of 110 feet, an inside diameter of 60 feet, and a top elevation of 8 feet above standard water level. Water enters the structure through the void spaces between the stones, through 27 concrete-encased, 30 inch diameter, corrugated, galvanized steel pipes and through four reinforced concrete, 6 ft square pipes.

PBNP Intake crib will be reconfigured. All rock and supporting steel structure will be removed down to approximately 11 ft above the lake bed. The divider wall will be removed. One of the 6 ft feeder pipes sits higher than other three. It will be removed or cut off at approximately 11 ft above the lake bed then back filled. The remaining 60 ft. opening above the intake cones will be covered with a trash rack. The trash rack will have a steel super structure and a High Density Polyethylene (HDPE) trash rack having approximately 7 in. X 18 in. openings.

The RTD's that are used to monitor ice melt operations will be moved and upgraded as necessary to monitor the new ice melt flow characteristics.