

Memorandum

To : Chief of Operations

Date: October 5, 1977

From : Department of Fish and Game

Subject: Knights Landing - Electrical Fish Barrier

See attached memo from H. George, Safety Engineer, Department of Industrial Relations.

Based on these findings and with completion of appropriate safety measures such as warning signs, we believe the barrier should be activated.

ORIGINAL SIGNED BY
RICHARD D. BELAND

FOR Robert W. Lassen
Regional Manager
Region 2

Attachment

APPROVED COPY ORIGINAL SIGNED BY JAMES S. LEIBY DATE OCT 11 1977
Chief of Operations

cc: C. Young, R-2
J. Staley, R-2
RAO, R-2
AFB

DEPARTMENT OF INDUSTRIAL RELATIONS

DIVISION OF INDUSTRIAL SAFETY
455 GOLDEN GATE AVENUE, SAN FRANCISCO

September 28, 1977

ADDRESS REPLY TO:
2424 Arden Way, #108
Sacramento, CA 95825Mr. Robert Lassen, Regional Manager
Department of Fish and Game
P. O. Box 19176
Sacramento, California 95819

Dear Mr. Lassen

Subject: Fish Barrier at Colusa Drain at Knights Landing

The electrical installation at the Knights Landing Colusa drain was not complete at the time of my visit today. It was, however, far enough along that I can state "If completed in a workman-like manner, and if there are no deviations from the intended installation as discussed with Mr. Bill Wilson of the Department of Fish & Game, the installation, in my opinion, will comply with the CAC, Title 8, Electrical Safety Orders."

Adequate warning signs and a notice not to work on the system when energized should be posted.

General Industry Safety Order 3390 requires protection of employees where there is a recognized hazard of electrical shock or burns. Electrical Safety Order 2340.17(a) requires guarding against accidental contact for voltages over 50 volts.

Your system is to operate at 24 volts AC. At this voltage, there remains the possibility under certain conditions of creating a burn hazard in the event of short-circuiting. Procedures that permit work on the system only when de-energized, in my opinion, will satisfy the requirements of Section 3390.

Very truly yours

Hurley H. George
Hurley H. George
Safety Engineer
Consulting Staff

/cdd