



State

DWR Prosecuting Team
Exhibit 26

Board

SURNAME/FILES



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

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FAX (916) 341-5400 • Web Site Address: <http://www.swrcb.ca.gov>
Division of Water Rights: <http://www.waterrights.ca.gov>

341-5384
112-2000

MEMORANDUM

TO: Files
Division of Water Rights

FROM: *Wayne C. Smith*
WAYNE C. SMITH
LICENSING UNIT

DATE: APR 26 2001

SUBJECT: PERMIT 19164 (APPLICATION 26306) SHASTA RIVER IN SISKIYOU COUNTY

On April 17, 2001 I met with watermaster Keith Dick to review the installation and operation of the measuring device required by term 16 of the above permit. Please refer to my inspection report of June 13, 2000 and proposed design with letter of September 20, 2000.

Initial installation of the flashboards with orifice in the second board (2"x6") from bottom (per the design) resulted in a discharge submerged by back water from the downstream channel, thus the orifice did not have a free discharge and the effective head was reduced. Consequently the flashboards were rearranged to place the orifice one board higher. This eliminated the submergence of the discharge, but reduced the head, and so a larger opening will be required to bypass the required 1.0 cfs.

The attached recalculation indicates the orifice needs to be enlarged to 3"x 8-3/8" with the configurations of the flashboards as shown. Mr. Dick installed 5-2"x6" flashboards in each rise stand and confirmed that the resulting upstream pool evaluation will work to allow the permittee's ditch to properly operate.

I told Mr. Dick I would send a letter to permittee Emmerson Investment, Inc., along with a copy of the attached sketch, notifying them of changes in the design. The letter will stress that

California Environmental Protection Agency

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"The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption."

APR 26 2001

particular attention needs to be given to not only the orifice size, but its location (size and number of boards).

Use of this measuring device will not be necessary for the 2001 irrigation season, which just commenced for this ranch, as Mr. Dick informed me that no surplus water is available with the dry winter in their area, and subsequent low storage level in Lake Shastina. All water to be diverted by Emmerson at both this POD and the A26307 POD for this year will be under decreed rights (released from storage in Lake Shastina).

The attached photos really do not show much. Operation of the orifice is obscured by flow over the boards (water leading to the A26307 POD). This overflow was temporarily eliminated by installation of an extra board to verify proper operation of the orifice. At this time it was noticed that orifice appeared smaller than the proposed 3"x7" size.

Attachments

WCSmith/msipe
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