

MEMORANDUM FOR THE RECORD

SUBJECT: Missed index sampling on July 15 due to juvenile channel dewatering valve calibration.

Narrative: As mentioned in 19 MCN 11 MFR, there was concern with the south side dewatering valve that helps control the juvenile channel elevation. The valve appeared not to operate within its full range. When the south valve opened to approximately 60 percent, the control program read the valve at 100 percent open.

On July 15, from 0745 to 0845 hours, before going into the control program or disassembling the valve, the electrical staff checked the valve limits. They were able to reset the limits and get the valve to be fully functional. Setting the limits, however, did require the fisheries staff to open and close orifices as needed.

This maintenance check was pre-scheduled. Fortunately, no adjustments or further repairs were required. At 1000 hours, the facility was switched to secondary bypass for sample collection. Three hours of index sampling were missed.

Between July 10 and 15, there are 41 to 42 orifices in use. The orifice was closed at unit 5, which is out of service. After the limits were reset, we returned to 42 orifices open. We will continue to cycle the orifice once a day until July 19, when we will return to our normal routine. Debris loads have been low enough to warrant this.

Location: Juvenile collection channel.

Method: As mentioned above, the system remained in primary bypass so the south side dewatering valve limits could be set.

Time Line - Duration: July 15, from 0700 to 1000 hours, on a scheduled secondary bypass day. Index sampling was missed for 3 hours.

A. Species: There were no known fish losses. Index sampling did not occur as scheduled. Incidental species and fallbacks were not recorded.

B. Origin: NA

C. Length: NA

D. Marks and Tags: NA

E. Marks and Injuries Found on the Carcasses: NA

F. Future and Preventative Measures: Monitor both the north and south dewatering valves. Insure they are fully functional for the remainder of the season. Examine the control program so it is fully understood in the near future. During winter maintenance, rebuild or replace valve operators as needed. There is still concern about the sheath in the south dewatering valve. Also, there is concern that the south valve drifted

out of calibration so far. Ensure both valves are on a schedule maintenance plan that matches the wear and issues observed.

G. Photos Taken: None.

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