

**MEMORANDUM FOR THE RECORD**

**SUBJECT:** MFR 13 IHR 001 Change in adult fish ladder outage schedule - during the winter maintenance period.

**FROM:**

**FISH LADDER OPERATING SCHEDULE**

*South Ladder*

1 January – 2 January	Ladder in service
3 January – 30 January	Ladder dewatered for annual maintenance
31 January – 31 December	Ladder in service

*North Ladder*

1 January – 31 January	Ladder in service
1 February – 27 February	Ladder dewatered for annual maintenance
28 February – 31 December	Ladder in service

**To:**

**FISH LADDER OPERATING SCHEDULE**

*South Ladder*

1 January – 2 January	Ladder in service (no change)
3 January – 3 February	Ladder dewatered for annual maintenance (date change)
4 February – 31 December	Ladder in service (date change)

*North Ladder*

1 January – 4 February	Ladder in service (date change)
5 February – 27 February	Ladder dewatered for annual maintenance (date change)
28 February – 31 December	Ladder in service

**Reason:** The powerhouse maintenance crew is experiencing problems with returning the unit 6 to service. Upon finishing up work on unit 6 the wicket gates would not close completely and eventually became stuck and would not move. Upon further investigation, it was found that there was a bent shaft preventing the governor pressure from closing the gates. Repairs are underway.

**Fish Impacts:**

None, the work is being completed during the winter maintenance period for fish. **One fish ladder will remain operational at all times** during winter maintenance.

**FPP Attachment below:**

**FPP Adult Fish Passage Facilities.** Operate the adult fish passage facilities according to the following criteria.

**1.1.1.1. Winter Maintenance Period (January 1–February 28).**

**1.1.1.1.a.** Inspect all staff gages and water level indicators. Repair and/or clean where necessary.

Dewater all ladders and inspect all dewatered sections of fish facilities for projections, debris, or plugged orifices which could injure fish or impede fish passage up the ladder. Fish ladder exit trashracks must have smooth surfaces where fish pass, and must have downstream edges that are adequately rounded or padded. Spare trashracks should be on hand for use as necessary. Inspect all diffuser gratings and chambers annually by dewatering or by using divers or video inspection techniques. All diffuser gratings and chambers are to be dewatered and physically inspected at least every 3 years. Repair deficiencies

Mark F. Plummer

Ice Harbor Project Fisheries Biologist