# Fish Passage Plan (FPP) Change Request Form

**Change Form # & Title**: 17MCN004 – Unit Priority Winter Maintenance Period

**Date Submitted**: 15 December 2016

**Project**: McNary

**Requester Name, Agency**: John Bailey, Corps, NWW

**Final Action:** **APPROVED as Revised 1/26/2017**

**FPP Section**: MCN 4.1.1. Turbine Unit Priority Order – Winter Maintenance Season.

**Justification for Change**: The current Turbine Unit Operating Priority Table MCN-5 does not contain operating priority for winter maintenance period (December 1 to the end of February).

 **Proposed Change**:

**4.1.1.** From March 1 through November 30, turbine units will be operated in the order of priority defined in **Table MCN-5** to enhance adult and juvenile fish passage and juvenile bypass. If a unit is out of service for maintenance or repair, the next unit in the priority order shall be operated. Unit priority order may be coordinated differently for fish research, construction, or project maintenance. Unit operation during warm water events are described in **section 4.2.**

**Table MCN-5. Turbine Unit Operation Priority for McNary Dam.**

|  |  |
| --- | --- |
| **Operation** | **Unit Priority** |
| March 1–November 30 Fish Passage, Fish Bypass |  1, then 14–2 in descending order **a** |
| Warm Water Operations **b** | STOP Units in following order: Stop every other unit starting w/ 2 and move north:2, 4, 6, 8, 10, 12, 14, 3, 5, 7, 9, 11, 13, then 1 If Unit 1 OOS, stop every other unit starting w/ 3 and move north: 3, 5, 7, 9, 11, 13, 2, 4, 6, 8, 10, 12, 14 |
| December 1 – End FebruaryWinter Maintenance Period | Any Order(if OR ladder is in service, request operating Unit 1 or 2 if possible) |

1. Provides positive downstream flows at the outfall and based on unit availability.
2. See **section** [**4.2**](#bookmark1)for Warm Water Operations criteria and protocols. Shut down units in a staggered manner (every other unit) starting with Unit 2 moving northward. If Unit 1 is OOS, start with Unit 3 and move northward. This order made be adjusted if necessary as coordinated by the project biologist.

**Comments**:

1/26/17 FPOM FPP Meeting: Fredricks wondered about a soft constraint for the unit adjacent to fish ladders. FPOM debated whether the longer run-time of priority units was worth it when it comes to more wear and tear on the unit and more required maintenance. Language was revised to request operating Unit 1 or 2 if the ladder is in service, at project’s discretion.

**Record of Final Action**: Approved as revised at FPOM FPP meeting 1/26/2017.