

FPP Change Form

Change Request Number: 10LMN002

Date: August 20, 2009

Proposed by:

Bill Spurgeon – Lower Monumental Project Biologist

Proposed Change (underlined):

From: 4.3.1. Turbine units are to be operated with raised operating gates to improve fish passage conditions when STSs are installed, except as provided below. To facilitate annual maintenance, operating gates are used to dewater the turbine units. To minimize turbine outage periods to the actual time required for maintenance (during the July 1 through December 15 time period), operating gates in one turbine unit may be lowered to the standard operating position and connected to hydraulic cylinders on the afternoon of the last regular workday (normally Thursday) prior to the start of the maintenance. With the operating gates in the standard operating position, the turbine unit may be operated until 0700 hours of the next regular workday (normally Monday). On the completion of maintenance, the turbine unit can be operated with the operating gates in the standard operating position until 0700 hours of the first regular workday after the maintenance is completed. If turbine maintenance or the raising of the operating gates to the raised operating position is delayed after the time periods stated above, the turbine unit shall be immediately taken out of service until the work can be accomplished. Operation of turbine units with operating gates in the standard operating position shall be restricted to the July 1 through December 15 time period, and shall not occur unless at least 4 other turbine units are available for service. No more than 1 turbine unit at a time shall be operated with operating gates in the standard operating position and the turbine unit will be operated on last on, first off operating priority.

To: 4.3.1. Turbine units are to be operated with raised operating gates to improve fish passage conditions when STSs are installed, except as provided below. To facilitate annual maintenance, operating gates are used to dewater the turbine units. To minimize turbine outage periods to the actual time required for maintenance (during the July 1 through December 15 time period), operating gates in one turbine unit may be lowered to the standard operating position and connected to hydraulic cylinders on the afternoon of the last regular workday (normally Thursday) prior to the start of the maintenance. With the operating gates in the standard operating position, the turbine unit may be operated until 0700 hours of the next regular workday (normally Monday). On the completion of maintenance, the turbine unit can be operated with the operating gates in the standard operating position until 1200 hours of the first regular workday after the maintenance is completed. If turbine maintenance or the raising of the operating gates to the raised operating position is delayed after the time periods stated above, the turbine unit shall be immediately taken out of service until the work can be accomplished. Operation of

turbine units with operating gates in the standard operating position shall be restricted to the July 1 through December 15 time period, and shall not occur unless at least 4 other turbine units are available for service. No more than 1 turbine unit at a time shall be operated with operating gates in the standard operating position and the turbine unit will be operated on last on, first off operating priority.

Reason for Change: The 0700 hours Monday deadline does not allow sufficient time to pull the cylinder. Every work day begins at 0630 hours with a morning meeting covering task assignments and issue discussions. The morning meeting typically lasts until 0700 hours leaving no time to do complete cylinder removal by 0700 hours as stated in the current Fish Passage Plan. Cylinder removals usually occur on Mondays. The proposed 1200 hours deadline not only allows time to perform the work, but also provides a modest buffer that allows personnel time to address Monday morning emergency or urgent maintenance needs that typically arise during the weekend that just ended.

Comments from others:

John Bailey, Fishery Biologist, Walla Walla District Operations Division: application of this change will not make much of a practical difference in turbine operations as this procedure is permitted only during the July 1 to December 15 time period when total river flow is low. The section requires at least 4 other turbine units be available for service before this procedure is allowed. There won't be any need to operate the affected turbine unit in most cases as there won't be enough river flow to operate 5 turbine units and meet spill requirements at the same time.

Record of Final Action:

FPOM approved this change at the October 6, 2009 meeting. This action is record under agenda item 2.11.1.