**USACE Portland District (NWP) FFDRWG Update Form**  
**July 25, 2018**

**PROJECT INFORMATION**

|  |  |
| --- | --- |
| Project Title | The Dalles Dam East Fish Ladder AWS Backup System |
| SCT Reference Number |  |
| Project Manager (PM) | Albert Wright (NWP, 503-808-4741) |
| Technical Lead (TL) | Mehdi Roshani (NWP 503-808-4988) |
| Biologist/Coordination | Jon Rerecich (NWP, 503-808-4779) |

**PROJECT DESCRIPTION**

There are three main entrances to The Dalles, East Fish Ladder (EFL) that provides passage through The Dalles Dam for returning adult anadromous fish: the West Fish Ladder entrance, the South Fish Ladder entrance, and the East Fish Ladder entrance. Approximately 80-90% of the returning adult salmon passing The Dalles Dam use the East Fish Ladder on their way back to parts of the Columbia Watershed. Auxiliary water for the East Fish Ladder (EFL) is critical to the overall success of adult fish passage by providing attraction flow. Without the auxiliary water the ladder will fail to attract and effectively pass adult fish past the dam. The auxiliary water supply (AWS) is currently fed by two fish unit turbines with no other back up source of water. A recent DDR was complete that Identified a design for an emergency backup water supply system that would provide minimum 1400cfs through a gravity feed Pipe system, should the fish units go down. Based on the engineering analysis for the DDR, the backup system will consist of: upstream trash rack, upstream steel closure gate, a single 10-foot-diameter steel conduit bored through the concrete monolith, Downstream butterfly valve, buried conduit under downstream parking lot, steel outlet works discharging into existing AWS chamber.

**PROGRESS AND KEY ISSUES (List)**

Seven ft. valve problems – exceeded torque limits during commissioning.

USACE and contractors are working through design specifications with plans for testing and troubleshooting on night of August 6 to collect data to help resolve the root cause of the problems with the seven foot valves.

**CURRENT SCHEDULE**

Commissioning expected during late fall or upcoming IWW period.

**FFDRWG REVIEW NEEDED AT MEETING? (If YES, list discussion topics below)**

No.