**USACE Portland District (NWP) FFDRWG Update Form**
**13 August 2014**

**PROJECT INFORMATION**

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| Project Title | The Dalles Dam East Fish Ladder AWS Backup System |
| SCT Reference Number |  |
| Project Manager (PM) | Patrick Duyck (NWP, 503-808-4753) |
| 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.

Currently the Portland District team is working on P&S for the system developed in the DDR. We are approximately 30% complete, with the ultimate goal of having a contract awarded by September 2015.

**CURRENT SCHEDULE**

60% P&S DQC – Oct./Nov. 2014

 60% P&S ATR & FFDRWG – Nov. 2014

 90% P&S DQC – Jan. 2014

 90% P&S ATR & FFDRWG – Jan. 2014

 100% P&S ATR/DQC March 2014

 Contract Award no later than, Sep. 2015

**PROGRESS AND KEY ISSUES (List)**

1. Air entrainment into existing AWS chamber – Ongoing/design
2. Cofferdam – Details ongoing
3. Construction sequence – will have more once we get past 60% design.

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

No review needed at this time. FFDRWG review and input will be requested at the 60% and 90% Plans and Specs phase.