**Willamette Fish Facility Design Work Group**

**Tuesday, February 2, 2021**

**9:30 am to 12:00 pm**

**A WEBEX MEETING**

In attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| **Last name** | **First Name** | **Agency** | **Email** |
| Budai | Chris | NWP-PM | [Christine.M.Budai@usace.army.mil](mailto:Christine.M.Budai@usace.army.mil) |
| Carl | Michael | NWP-ENC-HD | Michael.R.Carl@usace.army.mil |
| Dunlop | Shari | NWP-ENC-HD | Shari.L.Dunlop@usace.army.mil |
| Hudson | Michael | USFWS | michael\_hudson@fws.gov |
| Jundt | Melissa | NOAA-NMFS | melissa.jundt@noaa.gov |
| Kelley | Elise | ODFW | [elise.x.kelley@state.or.us](mailto:elise.x.kelley@state.or.us) |
| Khan | Fenton | NWP-PM-E | [Fenton.o.khan@usace.army.mil](mailto:Fenton.o.khan@usace.army.mil) |
| Litzenberg | Aaron | NWP-ENC-HD | Aaron.D.Litzenberg@usace.army.mil |
| Mullan | Anne | NOAA-NMFS | [Anne.Mullan@noaa.gov](mailto:Anne.Mullan@noaa.gov) |
| Murauskas | Josh | Four Peaks Consulting | jmurauskas@fourpeaksenv.com |
| Reis | Kelly | ODFW | Kelly.E.Reis@state.or.us |
| Rerecich | Jon | NWP-PM-E | [Jonathon.G.Rerecich@usace.army.mil](mailto:Jonathon.G.Rerecich@usace.army.mil) |
| Scott | Shane | SSA | shane@sscottandassociates.com |
| Scullion | Mary Karen | CRITFC | Mary.K.Scullion@usace.army.mil |
| Schlenker | Steve | NWP-ENC-HD | Stephen.J.Schlenker@usace.army.mil |
| Steere | Molly | Four Peaks Consulting | msteere@fourpeaksenv.com |
| Watts | Joel | ODFW | Joel.Watts@state.or.us |
| Walker | Chris | NWP-ODT-F | Christopher.E.Walker@usace.army.mil |

**--------------------------- Web Meeting ---------------------------------------------------------------------**

<https://usace1.webex.com/meet/fenton.khan>

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**Meeting Purpose:**

Finalize previous meeting notes. Provide an update on status of active design projects.

**Agenda and comments:**

1. Final decisions or recommendations made at this meeting.
   1. Approved the January meeting notes.
2. Khan gave updates for Cougar 2.0 and Fall Creek AFF PDTs.
   1. No major updates for Cougar 2.0. The PDT is working on the report.
   2. Fall Creek AFF update: The pipe lining work is complete. The PDT is working on close out activities.
3. Foster AFF Ladder Improvements PDT – Q&A for the 90% DDR currently out for WFFDWG review (comments due Feb 19).
   1. Jundt (NOAA): wondering about some of the appendices, some are blank.
      1. Dunlop. The DDR is a living document that isn’t finalized until after Plans & Specs so there are a few appendices retained as placeholders that have only a cover sheet. A completely blank appendix is a download problem. Khan will send the missing appendix for the Green Peter spill test.
   2. Watts (ODFW): Is the screen support structure designed to support a full screen?
      1. Dunlop. Yes, the structure is designed to support 12 ft of hydraulic head differential. Design for fully occluded screen.
   3. Watts (ODFW): Where do you operate the intake gate adjustment? Will the operator be standing on the roadway?
      1. Dunlop: Will be done manually from the deck. Will be opened in the spring when start ops and closed in the fall when fish passage is over. Can be designed so that the gate operator can be accessed from the sidewalk. Will have to close the road (maybe a single lane closure) for opening and closing.
   4. Watts (ODFW): Had some questions on debris management.
      1. Dunlop: That section will be updated based on the value engineering study. Will most likely use a pump flow to flush the debris from the trough to the bin.
   5. Watts (ODFW): Asked about vertically varying the porosity settings of the porous baffles behind the screens.
      1. Dunlop: will be explored some more in the early stages of plans and specs. Sill under consideration. Schlenker notes we prefer to have more water coming from top than bottom for efficiency (secondary benefit of varying the porosity in the vertical direction).
   6. Watts (ODFW): Asked about the gate behind the screen structure. May be good to have a structure to prevent from people from falling in. Consider personnel protection over the intake opening, upstream of the gate.
      1. Dunlop: It’s a worthwhile comment. Asked ODFW to include that in comments for the 90% DDR, so the PDT can keep track of it.
   7. Boyd (ODFW): asked about operating the facility, said we can discuss more later.
      1. Schlenker: The system will be on a PLC. Project operators will make sure we meet the target temperatures at both side and main entrances.
   8. Jundt (NMFS): Asked if we had funding for construction and timelines.
      1. Budai: We have funding for P&S and requested funding for construction. If we get funding for construction, then anticipate construction to begin in 2023.
4. Next Steps
   1. Next WFFDWG meeting currently scheduled for March 2.