



State of Washington

DEPARTMENT OF FISH AND WILDLIFE

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ADDENDUM 16-022 TO DETERMINATION OF NONSIGNIFICANCE (DNS) 13-033 DATED: APRIL 2, 2013

Name of DNS: 13-033 KALAMA FALLS HATCHERY RENOVATION

Description of Original Proposal:

This project will install:

- A new concrete fish ladder in the west portion of the site.
- A series of 12 rectangular concrete rearing ponds on the south portion of the site
- A new fish sorting facility
- Four circular fish holding ponds
- A concrete retaining wall generally west of the holding tanks.

Fish Ladder:

Previous Kalama Falls hatchery operations loaded fish from the fish ladder into a fish truck and then delivered the fish to the Kalama Falls Hatchery holding ponds. This operation was inefficient. The ageing fish ladder structure needs maintenance to continue current operations.

The new fish ladder will be constructed entirely inside the footprint of the current fish ladder structure. The old fish ladder will remain in place. Most of the water supplied to the Kalama Falls Hatchery fish ladder originates from the Kalama River Intake, located on the south end of the hatchery complex. During construction this water supply will be turned off and the fish ladder will be drained. In addition, stop logs will be slid into place in the current fish ladder to stop water originating from the Kalama River from entering the structure during construction. Seepage, if any into the fish ladder structure during construction will be pumped upland where it cannot re-enter the fish ladder or the Kalama River. During construction, supersacks will be installed and the fish ladder during construction will be essentially dry. The new fish ladder will also have an aboveground piping extension (approximately 240 feet long) that will be installed to direct water and fish to the new concrete rearing/holding ponds. Supersacks will be removed after construction.

Concrete Rearing/Holding Ponds:

Six rearing ponds will be replaced with 12 dual use rearing/holding ponds (16.5 feet wide x 8 feet tall wall x 69 feet long) in the same footprint as the old fish rearing ponds. Average water depth of the new ponds will be 4.82 feet. An average of 5,500 cubic feet water will be contained in each pond. These ponds will be supplied with 4 inch supply line.

An attached fish migration channel (originating from the new fish ladder) will be installed along the west end of the new rearing/holding ponds. A vertical fish crowder will be installed inside the fish migration channel to facilitate fish movement to the fish sorting area. Sprinklers will be attached along the sides of the pond walls.

Fish Sorting Facility:

The fish sorting facility (30 feet wide x 29 feet high) will be located at the southern end of the new rearing ponds. A feature of the fish sorting facility is an attached mechanized fish lift to ease fish hatchery operations. This sorting facility structure will also have an attached fish flume to return fish to the Kalama River, and an area for forklift operations under the fish sorting facility.

Four Circular Fish Holding Ponds:

These four ponds are along the southern end of the project area. Pond “A” will be 16 feet in diameter and ponds “B – D” will each be 30 feet in diameter.

Concrete Retaining Wall:

Along one side of the new circular fish holding ponds is a concrete block retaining wall, with attached 18 inch HDPE pipe that supplies the new circular ponds with re-use water from the new dual use ponds.

Description of Addendum 16-022:

The original Kalama Falls Hatchery Renovation project was proposed on 3/29/2013. After construction started for Phase I activities, new design changes were recommended to better appropriate the use of existing piping on site. These new design changes simplify the water delivery system for the Kalama Falls Hatchery. A revised SEPA checklist and project drawings have been submitted, detailing Phase II activities.

A trench will be excavated at the edge of the paved area, beyond the fence line in previously unbroken ground. A trained archaeological observer will be on site during excavation of the trench, in the unlikely event that archaeological artifacts are discovered. An inadvertent discovery plan will be in place during construction. After excavation of the trench, the water supply pipelines will be installed, bedded with a small amount of new gravel material, and then covered with previously excavated materials. After the trench is filled back in, bird predation poles will be installed over the trench, and a new fence will be installed, according to project plans. Mitigation proposed for Phase II activities includes removal of Invasive blackberries.

Phase II activities will also be brought into accordance with the Substantial Development permit issued by Cowlitz County.

Proponent/Applicant: Washington Department of Fish and Wildlife
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Location of Project or Action: WDFW Kalama Falls Hatchery, Cowlitz County, Washington; Township 6 North, Range 01 East WM, Section 7.

Lead Agency: Washington Department of Fish and Wildlife (WDFW)

This addendum is being distributed pursuant to WACs 197-11-600 and 197-11-625. The updated information provided above does not substantially change the analysis of significant impacts in the existing environmental checklist. Based on the original DNS and the updated information provided in this addendum, we have determined that a new threshold determination is not warranted. There is no comment period associated with this SEPA addendum.

Responsible Official: Lisa Wood

Position/Title: SEPA/NEPA Coordinator, WDFW Regulatory Services Section

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If you have questions about this action, contact Lisa Wood at the address above, SEPADesk2@dfw.wa.gov, phone (360) 902-2260, or fax (360) 902-2946.

DATE OF ISSUE: April 29, 2016

SIGNATURE:

Lisa Wood

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