



State of Washington

DEPARTMENT OF FISH AND WILDLIFE

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Main Office Location: Natural Resources Building - 1111 Washington Street SE - Olympia, WA

13-024 ADDENDUM TO DETERMINATION OF NONSIGNIFICANCE DATED: January 23, 2013

Name of DNS 13-008 VOIGHTS CREEK HATCHERY REPLACEMENT

Description of DNS: This project will replace the existing flood-plagued Voights Creek Hatchery with a new hatchery outside of the 100 year floodplain of Voights Creek.

The new hatchery will be made up of the hatchery compound in the uplands of the property sited on the south side of State Route 162. The hatchery compound will have concrete ponds for holding and rearing fish, a hatchery building for hatching the eggs, a pollution abatement pond for clarifying the water from fish waste, a fish feed storage building, and an office/storage building for equipment, administration, and interpretive information. The compound will also have paved parking for staff and public, and be accessed off Voight Meadows Road, which has direct access to State Route 162. A residence from the old hatchery will be moved to a site next to the hatchery compound and a garage will be provided for this residence.

Specific Hatchery Features

- 1. Water Intake:** The intake structure is composed of retaining walls, concrete slab, a pneumatic weir in the stream, and an abutment on the far (north) bank. The upper intake structure is all concrete approximately 30 feet in length, with five pumps mounted at the rear of the structure approximately 16 feet back from the intake screen face. A retaining wall along the stream upstream of the intake serves as a platform for equipment staging for future maintenance. Sheetpile will be driven at the downstream edge of the concrete slab to prevent undermining scour. The 12" thick concrete slab is approximately 34' wide x 30' long and serves as the base for the pneumatic weir and picket barrier. Sheetpile below the slab's upstream and downstream edge serves to prevent undermining scour. On the north bank is a concrete abutment wall from the slab to the top of the bank, approximately 9' tall, and approximately 50' long, with 14' long wingwalls into the bank. Sheetpile below the concrete walls prevents undermining scour. At the top of the bank behind this abutment will be a compacted crushed rock pad for staging of equipment for future maintenance. Riprap will be placed on the banks upstream and downstream of these walls for 10 feet to control local turbulent scour at the structure transitions.
- 2. Fish Ladder:** The fish ladder is a below-grade concrete channel approximately 5 feet wide x 6 feet deep. The water level in the channel will operate at a depth of approximately 3 feet. This fish ladder channel will be covered with steel grating its entire length (length to hatchery).
- 3. Mechanical/Electrical Building:** Near the intake inside the fenced enclosure a 15' x 15' x 10' tall mechanical building will be of concrete block construction with metal roof. A steel compressed air receiver will be next to it. A sound insulated standby generator and its above-ground double-containment diesel storage tank will be sited next to the mechanical building.
- 4. Intake Access:** Access to the intake will be by gravel road from the north side of SR162

where an existing gravel access exists. The new access will receive an asphalt pavement apron at the highway, and the remainder of the access and road will be compacted crushed rock.

5. Fish Rearing / Adult Ponds: Concrete fish rearing ponds, measuring 110' x 110', and 73' x 123' will be sited on the hatchery compound. Bird predation prevention poles and wires will be constructed at each pond. One end of the adult ponds a roof will be installed along the entire width, 20' long and approximately 15' tall.

6. Hatchery Building: The steel-framed and sided hatchery building will be 34' x 54' x approximately 16' tall.

7. Pollution Abatement Pond: The concrete pollution abatement pond will be 49' x 100'. This pond will be used to clarify water used during pond cleaning before discharging to the hatchery drain. This pond will also be used to clarify water used in the hatchery building for hatching eggs.

8. Feed Storage Building: The wood framed, metal sided and roofed fish feed storage building will be approximately 18' x 18' x 12' tall.

9. Office/Storage Building: The steel framed, sided and roofed office/storage building will be 34' x 90' x approximately 16' tall. Interior walls will be wood framed.

10. Surfacing: The hatchery compound will receive asphalt pavement. The 22 public parking spaces are based on historical use.

11. Access Road: The 24' wide driveway provides access to Voight Meadows Road.

Proponent/Applicant:

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Location of Proposal, including street, if any: The Voights Creek Hatchery site is located 1.3 miles southeast of Orting on Highway 162, Washington, Pierce County; Section 33, Township 19 North, Range 05 East WM

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

WDFW is providing updated information on this project that may be of interest to other agencies or the public. The updated information provided below does not substantially change the analysis of significant impacts in the existing environmental checklist.

Beaver Dam Removal

A beaver dam now exists on Coplar Creek located approximately 50 yards upstream from the confluence with Voights Creek. The beaver dam is backing water into portions of the fishway work site and will prevent construction if not removed. The dam is 40 feet long and varies from 2 to 8 feet in height. WDFW proposes to remove 20 feet of dam to restore the main creek channel and release impounded water. The

dam will be removed in two stages.

First, notches will be made in the dam by hand to lower the impounded water level by 2 feet. This will allow a slow release of water and reduce turbidity impacts. After this an excavator operated from above OHW will remove dam debris from the stream channel. Beaver dam debris (mud and wood) will hauled off-site to prevent the opportunity for turbidity impacts to Coplar Creek. The remaining 20 feet of beaver dam mostly located at bank full elevation will be left in place for future recruitment of woody debris into this watershed.

Based on the original environmental checklist 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 environmental checklist addendum.

Responsible Official: Bob Zeigler

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

Address: 600 Capitol Way North, Olympia, WA 98501

If you have questions about this action, please contact:

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DATE OF ISSUE: March 6, 2013

SIGNATURE: 

SEPA Log Number: 13 -024ADDdns 13-008