

151 FERC ¶ 62,130
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Public Utility District No. 1 of Snohomish County,
Washington

Project No. 2157-196

ORDER AMENDING DIVERSION DAM VOLITIONAL PASSAGE PLAN UNDER
ARTICLE 13 OF APPENDICES A, C, AND D

(Issued May 22, 2015)

1. On April 17, 2015, the Public Utility District No.1 of Snohomish County, Washington (licensee) filed a supplement to its approved Diversion Dam Volitional Passage Plan (Plan).¹ The Plan is required by Article 13 of Appendices A, C, and D of the Henry M. Jackson Hydroelectric Project license.² The Project is located on the Sultan River in Snohomish County, Washington, and occupies U.S. lands within the Mount Baker-Snoqualmie National Forest.

BACKGROUND

2. The Plan is intended to provide fish passage around the Sultan River Diversion Dam to additional fish habitat upstream in the Sultan River when and if it is determined to be needed, based on biological monitoring and passage triggers.³ The goal of upstream passage at the diversion dam is to provide a means for anadromous species to freely

¹ Order Modifying and Approving Diversion Dam Volitional Passage Plan Under Article 13 of Appendices A, C, and D. 138 FERC ¶ 62,202 (March 6, 2012).

² Order Issuing New License. 136 FERC ¶ 62,188 (September 2, 2011).

³ The trigger for providing volitional fish passage is when the spawning escapement of either Chinook salmon or steelhead trout within the Diversion Dam Index Area equals or exceeds in any one year, ten percent of the combined total spawning escapement of either species within the four index areas of the Sultan River, downstream of the Sultan River Diversion Dam.

migrate upstream volitionally while unimpeded downstream passage would be guided by flow direction at the diversion dam.

3. Following the Commission's approval of the Plan in 2012, the passage trigger occurred in July 2013, thus requiring the licensee to submit final design drawings for volitional fish passage at the Sultan River Diversion Dam within the next six months. The licensee filed its volitional passage plans and specifications package and quality control inspection program with the Commission's Division of Dam Safety and Inspections on January 10, 2014. During the design process, the licensee determined that its methods for excluding anadromous fish from entering the City of Everett's Lake Chaplain that were approved in its Plan required modification. The requested modification is described below.

LICENSEE'S REQUEST

4. The licensee is requesting to amend its Plan to reflect a different fish exclusion device to prevent anadromous fish species, specifically those protected by the Endangered Species Act, from entering the City of Everett's Lake Chaplain. As noted in the Plan, water is diverted from the Sultan River Diversion Dam through the Sultan River Diversion Tunnel to Lake Chaplain for back-up municipal water supply. Water diversion to Lake Chaplain is rare and occurs on a limited basis during severe drought or emergency situations, as identified in the Plan; however, when diversions do occur, the potential exists for fish entrainment and routing into the City of Everett's facilities.

5. Currently, the Plan provides for temporary netting to be deployed at the Portal 2 control structure, which regulates flow into Lake Chaplain through a slide gate, located at the west end of the Sultan River Diversion Tunnel. The temporary net, when deployed, routes fish into a live box for transport back to the Sultan River, downstream of the Sultan River Diversion Dam.

6. Rather than continuing with the temporary netting during periods of water diversion to Lake Chaplain, the licensee proposes to install temporary Hydrolox active self-cleaning traveling belt polymer fish screens at the entrance to the Sultan River Diversion Tunnel. The licensee would install the screens and follow the corresponding operational approach in accordance with the following table, which was included in its April 17 filing:

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Table 1. Scenarios under which water from Sultan River will be diverted directly to the City of Everett facilities at Lake Chaplain

	Planned Inspection and/or Major Maintenance	Extended Drought (formal declaration by City of Everett)	Outage due to Unforeseen Catastrophic Damageⁱ
Circumstance:	At request of FERC, and/or planned by District (licensee)	Spada Lake Reservoir elevation drops below 1,380 feet msl – no generation – minimum instream flows and municipal water needs met entirely via release from base of Culmback Dam	Penstock failure or other event rendering water delivery system to City inoperable
Factors:		Seasonal climate, water demand	
Season:	To be scheduled when risk of entrainment is very low (fall) and water demand is reduced	Fall (September-November)	Unknown
Frequency:	Infrequent (once every 10 to 15 years)	Of the 113 years analyzed, 1 year (1987) displayed climatic conditions that would have resulted in Power Off under the revised demand projections	Unpredictable but highly unlikely
Duration:	As short as possible, 1 – 4 weeks	Over the term of the FERC license, the duration of Power Off in the single climatic year identified would be 7 days under the mid-term (2035) demand scenario and 45 days under the end of term (2055) demand scenario.	3 months to 1 year
Species present / vulnerability:	Coho & steelhead / low	Coho & steelhead / low	Assume worse-case of high vulnerability

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Table 1 continued

	Planned Inspection and/or Major Maintenance	Extended Drought (formal declaration by City of Everett)	Outage due to Unforeseen Catastrophic Damage
Assumptions:	Lake Chaplain Reservoir proactively filled prior to diversion of river water.	Lake Chaplain proactively filled prior to reservoir dropping below 1,380 feet msl / diversion of river water. Everett's Projected Water Demand with conservation during October / November (Year 2055) = 128 cfs	
Approach:	Adaptive based on real time conditions. Subject to change based on conditions. Delivery of 76 cfs guaranteed with flashboards in place and meeting 0.4 fps approach velocity (AV) criterion. The 0.4 fps AV criterion would apply from January 1 to September 30. Delivery of 152 cfs guaranteed with flashboards in place and meeting 0.8 fps AV criterion. The 0.8 fps AV criterion would apply from October 1 to December 31. October 1 is the conservative date for the shifting of criterion. The actual date will be informed by the size of rainbow trout / steelhead fry.	Adaptive based on real time conditions (Chaplain supply, water demand, anticipated duration based on forecasted climatic conditions). Delivery of 76 cfs guaranteed with flashboards in place and meeting 0.4 fps AV criterion. The 0.4 fps AV criterion would apply from January 1 to September 30. Delivery of 152 cfs guaranteed with flashboards in place and meeting 0.8 fps AV criterion. The 0.8 fps AV criterion would apply from October 1 to December 31. October 1 is the conservative date for the shifting of criterion. The actual date will be informed by the size of rainbow trout / steelhead fry.	Adaptive approach developed with Everett and resource agencies. May require temporary, intermittent, or diurnal waiver of approach velocity criterion for an extended period.

7. Prior to the completion of volitional fish passage construction at the Sultan River Diversion Dam, the licensee would conduct a test deployment to demonstrate to the Aquatic Resources Committee (ARC)⁴ that the screens are functional. Additionally, the licensee would conduct snorkeling surveys in September to characterize the size range of resident trout and steelhead in Reach 3 of the Sultan River, and thus, determine the appropriate approach velocities for the fish screens. The details of the snorkeling surveys are included in the licensee's April 17 filing. Based on the sampling results, the licensee would ensure that the correct approach velocities are attained, as specified by the National Marine Fisheries Service's criteria for fish screening.

AGENCY CONSULTATION

8. The licensee coordinated with the ARC to formalize its request, and on February 5, 2015, provided its request to the ARC for review and comment. Various members of the ARC provided comments, including the Tulalip Tribes, Snohomish County, U.S. Forest Service, and Washington Department of Fish and Wildlife, all of which the licensee incorporated into the request prior to filing it with the Commission. The ARC collectively concurs with the licensee's request.

DISCUSSION AND CONCLUSIONS

9. The licensee's request to use temporary fish screens rather than temporary netting should serve as a more effective means of excluding fish, particularly ESA-protected species, from entrainment during periods in which water from the Project is being diverted to Lake Chaplain. The licensee's request includes appropriate provisions to ensure that the screens function properly and that the appropriate approach velocities are attained. The licensee has consulted with the ARC and has received the ARC's approval. Based on our review, the Plan should be amended to include the provisions described in the licensee's April 17 request.

⁴ The ARC is the consulting entity to the Plan. It is comprised of representatives from the licensee, City of Everett, Washington, City of Sultan, Washington, Snohomish County, National Marine Fisheries Service, U.S. Fish and Wildlife Service, U.S. Forest Service, National Park Service, Washington Department of Fish and Wildlife, Washington Department Of Ecology, Tulalip Tribes, and American Whitewater.

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The Director orders:

(A) The Public Utility District No.1 of Snohomish County, Washington's request to amend its Diversion Dam Volitional Passage Plan for the Henry M. Jackson Project, filed on April 17, 2015, is approved.

(B) This order constitutes final agency action. Any party may file a request for rehearing of this order within 30 days from the date of its issuance, as provided in section 313(a) of the Federal Power Act, 16 U.S.C. § 8251 (2012), and the Commission's regulations at 18 C.F.R. § 385.713 (2014). The filing of a request for rehearing does not operate as a stay of the effective date of this order, or of any other date specified in this order. The licensee's failure to file a request for rehearing shall constitute acceptance of this order.

(for) Thomas J. LoVullo
Chief, Aquatic Resources Branch
Division of Hydropower Administration
and Compliance



Your Northwest renewables utility

April 17, 2015

VIA ELECTRONIC FILING

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street NE
Washington, DC 20426

**Re: Jackson Hydroelectric Project, FERC No. 2157
A-LA13 Diversion Dam Volitional Passage Plan Supplement**

Dear Secretary Bose:

Public Utility District No. 1 of Snohomish County (the District) is filing for the Commission's approval a Supplement to the Jackson Hydroelectric Project's License Aquatic License Article 13 Diversion Dam Volitional Passage Plan (DDVPP) (Supplement). This Supplement was developed in consultation with the Aquatic Resource Committee to better implement the objective of the DDVPP's Section 3.3.2.2 for excluding anadromous fish, specifically Endangered Species Act listed species, from entering City of Everett's Lake Chaplain Reservoir during the rare and limited times of severe drought or emergency situations as identified in the DDVPP. Consultation documentation, including concurrence from the Aquatic Resource Committee, is included at the back of the Supplement.

Please do not hesitate to contact Keith Binkley, Natural Resource Manager, at (425) 783-1769 if you have any questions regarding the enclosed Supplement.

Sincerely,

A handwritten signature in blue ink, appearing to read "C. Collar".

Craig W. Collar, P.E.
Assistant General Manager of Generation
CWCollar@snopud.com
(425) 783-1825

Enclosed: DDVPP Supplement

cc: T.J. LoVullo, FERC

***Supplement to the Aquatic License Article 13 (A-LA13):
Diversion Dam Volitional Passage Plan (DDVPP) (“Supplement”)***

The development of this supplemental procedure was a cooperative effort between Public Utility District No. 1 of Snohomish County (the District), City of Everett (Everett), National Marine Fisheries Service (NMFS), and U.S. Fish and Wildlife Service (USFWS). The Supplement was provided to the Aquatic Resource Committee (ARC) for its concurrence prior to filing with the Federal Energy Regulatory Commission (FERC) for their approval (see Consultation Documentation in Appendix 1).

Background:

The DDVPP was approved by the ARC prior to filing it with the FERC. The FERC approved the DDVPP on March 6, 2012. During the development of the design plans for fish passage at the Diversion Dam, Everett requested revisiting the methods (DDVPP Section 3.3.2.2. use of temporary nets) for excluding anadromous fish, specifically Endangered Species Act (ESA) listed species, from entering Everett’s Lake Chaplain Reservoir during the rare and limited times of severe drought or emergency situations as identified in the DDVPP. This supplemental procedure outlines the proposed approach to fish exclusion.

The introduction of anadromous salmon and steelhead into Reach 3 of the Sultan River (upstream of the Diversion Dam) is the logical outcome of the implementation of fish passage as outlined in the DDVPP. The District and Everett cooperatively explored options for excluding riverine fish, including ESA listed anadromous fish species, from Everett’s facilities at Lake Chaplain Reservoir and developed an approach that would use screens to prevent entrainment into the tunnel used infrequently for routing river flows directly to Lake Chaplain. The plan for screening was developed in accordance with existing NMFS (2011) screening criteria. This approach was brought to NMFS and USFWS for their review and concurrence.

Supplement to DDVPP:

The potential for entrainment and routing of fry / juvenile fish to Everett’s facilities only exists when water from the Sultan River is diverted into the tunnel at the Diversion Dam. To better implement the objectives of DDVPP’s section 3.3.2.2. plan for fish exclusion, instead of relying on temporary nets deployed at the entrance to Lake Chaplain Reservoir, the proposed approach below relies on the use of Hydrolox self-cleaning traveling fish screens temporarily installed at the entrance to the tunnel located at the Diversion Dam, when conditions dictate. The screens are active self-cleaning traveling belt polymer fish screens meeting the NMFS Anadromous Salmonid Passage Facility Design requirements. These temporary screens are in possession of the District and will be available when needed as outlined in Table 1. Table 1 outlines the three scenarios under which responsive screening would occur and the operational approach. It is quite plausible that screening will not be necessary (therefore, not installed) under the scenarios

outlined below if the volume of water in Lake Chaplain is sufficient to meet the City of Everett’s temporary needs. The District will conduct a test deployment of the screens to demonstrate functionality to the ARC. This test deployment will occur prior to completion of volitional passage at the Diversion Dam.

Table 1. Scenarios under which water from Sultan River will be diverted directly to the City of Everett facilities at Lake Chaplain to meet City of Everett’s water demand needs.

	Planned Inspection and/or Major Maintenance	Extended Drought (formal declaration by Everett)	Outage due to Unforeseen Catastrophic Damage ⁱ
Circumstance:	At request of FERC, and/or planned by District	Spada Lake Reservoir elevation drops below 1,380 feet msl – no generation – minimum instream flows and municipal water needs met entirely via release from base of Culmback Dam	Penstock failure or other event rendering water delivery system to City inoperable
Factors:		Seasonal climate, water demand	
Season:	To be scheduled when risk of entrainment is very low (fall) and water demand is reduced	Fall (September-November)	Unknown
Frequency:	Infrequent (once every 10 to 15 years)	Of the 113 years analyzed, 1 year (1987) displayed climatic conditions that would have resulted in Power Off under the revised demand projections	Unpredictable but highly unlikely
Duration:	As short as possible, 1 – 4 weeks	Over the term of the FERC license, the duration of Power Off in the single climatic year identified would be 7 days under the mid-term (2035) demand scenario and 45 days under the end of term (2055) demand scenario.	3 months to 1 year
Species present / vulnerability:	Coho & steelhead / low	Coho & steelhead / low	Assume worse-case of high vulnerability
Assumptions:	Lake Chaplain Reservoir proactively filled prior to diversion of river water.	Lake Chaplain proactively filled prior to reservoir dropping below 1,380 feet msl / diversion of river water. Everett’s Projected Water Demand with conservation during October / November (Year 2055) = 83 MGD (128 cfs) ⁱⁱ	
Approach:	Adaptive based on real time conditions (Chaplain supply, water demand) – occurrence, timing, and duration all subject to change based on conditions. Delivery of 49.1 MGD (76 cfs) guaranteed with flashboards in	Adaptive based on real time conditions (Chaplain supply, water demand, anticipated duration based on forecasted climatic conditions). Delivery of 49.1 MGD (76 cfs) guaranteed with flashboards in	Adaptive approach developed with Everett and resource agencies. May require temporary, intermittent, or diurnal waiver of approach velocity criterion for an extended period.

	place and meeting 0.4 fps approach velocity (AV) criterion. The 0.4 fps AV criterion would apply from January 1 to September 30.	place and meeting 0.4 fps approach velocity (AV) criterion. The 0.4 fps AV criterion would apply from January 1 to September 30.	
	Delivery of 98.2 MGD (152 cfs) guaranteed with flashboards in place and meeting 0.8 fps AV criterion. The 0.8 fps AV criterion would apply from October 1 to December 31. October 1 is the conservative date for the shifting of criterion. The actual date will be informed by the size of rainbow trout / steelhead fry.	Delivery of 98.2 MGD (152 cfs) guaranteed with flashboards in place and meeting 0.8 fps AV criterion. The 0.8 fps AV criterion would apply from October 1 to December 31. October 1 is the conservative date for the shifting of criterion. The actual date will be informed by the size of rainbow trout / steelhead fry.	

ⁱ Conditions arising from unforeseen catastrophic damage may be similar in duration to those that would occur with a major planned maintenance or construction project.

ⁱⁱ Everett’s Projected Water Demand in 2055 was selected as the worse-case scenario within the current License-term for the Jackson Hydroelectric Project.

Approach velocity, the water velocity component perpendicular to and approximately three inches in front of the screen face, may be seasonally adjusted depending on the size of age 0+ resident rainbow trout and steelhead trout within Reach 3. Snorkeling surveys will be conducted during September to characterize the size range of these fish. To capture spatial variability, surveys will be conducted at river mile (RM) 11.3 and RM 14.3. To capture temporal (between year) and environmental variability, surveys will be conducted as outlined in Table 2:

Table 2. Snorkeling survey timeline and regulated environmental (flow, temperature) conditions.

Survey Year		September Flow Release from Culmback Dam	Temperature Conditioning	Maximum warm water volume (percent of total release)	Warm water origin (reservoir elevation)
2016	Pre passage	43 cfs	Phase 1	20 cfs (46.5 %)	1,410'
2017	Post passage	45 / 55 cfs (default flow release schedule)	Phase 1	20 cfs (44.4 to 36.4 %)	1,410'
2019	Post passage	45 / 55 cfs (default flow release schedule)	Phase 2	Up to 70 cfs (up to 100%)	surface
2021	Post Passage	55 / 65 cfs (default flow release schedule)	Phase 2	Up to 70 cfs (up to 100%)	surface

These surveys will provide a sufficient record of information to describe growth rates under a range of environmental (flow and temperature) conditions. For each sampling session, a minimum target sample size of 25 fish per site will be established recognizing inherent variability in sampling conditions and low population sizes. When possible, the use of supplemental ESA-approved sampling techniques such as minnow traps may be employed to increase sample sizes and to measure and verify fish size. Other techniques to document fish size such as video or still photography will also be explored. Information on fish size and Everett

water demand will dictate decisions on appropriate approach velocities. All decisions will be made in accordance with NMFS established criteria, as follows:

- For salmonid fry (less than 2.36” or 60 mm in length), the approach velocity shall not exceed 0.40 feet per second (fps). This approach velocity will apply if any of the sampled fish are less than 60 mm in length.
- For salmonid fingerlings (greater than or equal to 2.36 inches (60 mm) in length), the approach velocity shall not exceed 0.80 fps. This approach velocity will apply only if 100 percent of the sampled fish are greater than 60 mm in length.

Attachment 1

Consultation with the ARC Documentation

Presler, Dawn

From: Presler, Dawn
Sent: Thursday, February 05, 2015 9:13 AM
To: 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); Anne Savery; 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov); 'James (ECY) Pacheco' (JPAC461@ECY.WA.GOV); 'brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller'; Tom O'Keefe; Mick Matheson
Cc: Binkley, Keith
Subject: FW: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15
Attachments: Plan to exclude ESA listed salmon and steelhead from Lake Chaplain.docx

ARC Members,

Attached is the latest/greatest DDVP Plan Supplement for your concurrence within in the next 10 days (by 2/15/2015). (Failure to respond is deemed approval of the DDVPP Supplement as written). Thanks!

Dawn

-----Original Message-----

From: Binkley, Keith

Dawn - please circulate this email along with the 12/17/2014 version of the supplement to the ARC - that version has additional language on minnow traps and video. Tulalip was final party to concur although others had not seen the additional language.

Thanks

Keith

-----Original Message-----

From: Anne Savery [mailto:asavery@tulaliptribes-nsn.gov]

Sent: Monday, December 15, 2014 11:37 AM

To: Binkley, Keith; Presler, Dawn; 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov); 'brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller' (JMiller@ci.everett.wa.us); 'Tom O'Keefe'; 'Mick Matheson'

Cc: Spahr, Scott; Spangler, Brad; Joshua Kubo; Daryl Williams

Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

Tulalip provides its concurrence with the caveat that the Tribe would like to see in the document how fish will be physically measured - we find the distinction between 59 and 60 mm to be very difficult to assess without measurement. Keith has mentioned minnow traps and we have suggested video recording - if that is possible.

Anne

From: Binkley, Keith [KMBinkley@SNOPUD.com]

Sent: Wednesday, December 03, 2014 11:23 AM

To: Anne Savery; Presler, Dawn; 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov);

"brock.applegate@dfw.wa.gov" (brock.applegate@dfw.wa.gov); "Leonetti, Frank" (frank.leonetti@snoco.org); "Jim Miller" (JMiller@ci.everett.wa.us); "Tom O'Keefe"; "Mick Matheson"

Cc: Spahr, Scott; Spangler, Brad

Subject: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

ARC members - this email is in response to concerns raised during the recent (2nd) review of the DDVPP Supplement. I am also submitting the attached revised version for 10 day concurrence prior to the District submitting to the FERC. Failure to respond by the due date will be deemed approval as written. Thanks

The following is in response to Anne's email of November 24, 2014:

Anne - It is apparent that we have a difference of opinion in terms of what is needed to make the necessary decisions in a sound and appropriate manner. The sample size of 25 fish (per location, per sampling year, cumulative over multiple years) reflects a balance between what is needed to be confident about fish size and what is realistic given sampling conditions. Electrofishing is not a viable technique given the poor effectiveness in waters of such low conductivity. There are also future concerns related to sampling of ESA listed fish once passage is in place. Snorkeling is very challenging under the default flow regime with a 43 cfs minimum flow in September. Water velocity, turbulence, and turbidity present significant challenges to observing fish. Sampling to estimate population size is not possible nor necessary to establish the prevailing size of age 0+ rainbow trout or steelhead during the month of September. My hope is that you will keep these facts in mind as you review the attached version of DDVPP supplement. I thank you for your continued input.

Keith

-----Original Message-----

From: Anne Savery [mailto:asavery@tulaliptribes-nsn.gov]

Sent: Monday, November 24, 2014 3:32 PM

To: Presler, Dawn; "Steven Fransen" (steven.m.fransen@noaa.gov); "Tim_Romanski@fws.gov" (Tim_Romanski@fws.gov); "Loren Everest - USFS" (leverest@fs.fed.us); "Maynard, Chris (ECY)" (cmay461@ecy.wa.gov); "brock.applegate@dfw.wa.gov" (brock.applegate@dfw.wa.gov); "Leonetti, Frank" (frank.leonetti@snoco.org); "Jim Miller" (JMiller@ci.everett.wa.us); "Tom O'Keefe"; "Mick Matheson"

Cc: Binkley, Keith; Spahr, Scott

Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Nov. 25

Keith

The DDVPP supplement reflects many of the changes requested by the ARC members who responded. Thank you. Tulalip is still not comfortable with the District's sample number commitment. You can't really say much about how large the cohort of 0+ steelhead are by sampling 25 out of X. Sampling needs to be based on the population of the cohort, not on the number you think you can catch.

Tulalip will provide concurrence once there is a commitment to estimate the population and to attempt sampling the appropriate number to determine fish size. We understand sampling is difficult in the Sultan River but would like to see an effort towards collecting the right data.

Thanks

Anne

From: Presler, Dawn [DJPresler@SNOPUD.com]

Sent: Wednesday, November 19, 2014 8:40 AM

To: "Steven Fransen" (steven.m.fransen@noaa.gov); "Tim_Romanski@fws.gov" (Tim_Romanski@fws.gov); Anne Savery; "Loren Everest - USFS" (leverest@fs.fed.us); "Maynard, Chris (ECY)" (cmay461@ecy.wa.gov);

"brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov)"; "Leonetti, Frank' (frank.leonetti@snoco.org)"; "Jim Miller' (JMiller@ci.everett.wa.us)"; 'Tom O'Keefe'; 'Mick Matheson'
Cc: Binkley, Keith; Spahr, Scott
Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Nov. 25

Reminder, concurrence by November 25, 2014 please...

Dawn

From: Presler, Dawn
Sent: Monday, November 10, 2014 11:16 AM
To: "Steven Fransen' (steven.m.fransen@noaa.gov)"; "Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov)"; 'Anne Savery'; "Loren Everest - USFS' (leverest@fs.fed.us)"; "Maynard, Chris (ECY)' (cmay461@ecy.wa.gov)"; "brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov)"; "Leonetti, Frank' (frank.leonetti@snoco.org)"; "Jim Miller' (JMiller@ci.everett.wa.us)"; 'Tom O'Keefe'; 'Mick Matheson'
Cc: Binkley, Keith; Spahr, Scott
Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by October 31

ARC:
Keith has updated the attached DDVPP Supplement based on the comments received from SnoCo, Tulalip, USFS, and WDFW. Please take the next 10 business days (by November 25) to concur/not concur with the attached prior to the District submitting to the FERC. Failure to respond by the due date will be deemed approval as written. If you have any questions regarding the attached, please call Keith at 425-783-1769.

Dawn

From: Presler, Dawn
Sent: Friday, October 17, 2014 2:57 PM
To: "Steven Fransen' (steven.m.fransen@noaa.gov<mailto:steven.m.fransen@noaa.gov>); "Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov<mailto:Tim_Romanski@fws.gov>); 'Anne Savery'; "Loren Everest - USFS' (leverest@fs.fed.us<mailto:leverest@fs.fed.us>); "Maynard, Chris (ECY)' (cmay461@ecy.wa.gov<mailto:cmay461@ecy.wa.gov>); "brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov<mailto:brock.applegate@dfw.wa.gov>); "Leonetti, Frank' (frank.leonetti@snoco.org<mailto:frank.leonetti@snoco.org>); "Jim Miller' (JMiller@ci.everett.wa.us<mailto:JMiller@ci.everett.wa.us>); 'Tom O'Keefe'; 'Mick Matheson'
Cc: Binkley, Keith
Subject: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by October 31

Dear ARC,
Attached is the Diversion Dam Volitional Passage Plan supplement that was discussed at the ARC meeting on Wednesday (and identified in the draft ARC meeting summary just circulated to you all). No objections were heard at the meeting. However, since not all ARC members were in attendance, please take the next 10 business days (by October 31) to concur/not concur with the attached prior to the District submitting to the FERC. Failure to respond by the due date will be deemed approval as written. If you have any questions regarding the attached, please call Keith at 425-783-1769.

In summary and confirmation of the dates/approach velocity criteria:
[cid:image001.png@01D003D4.7BE5EB40]

Thanks!

Dawn Presler

Presler, Dawn

From: Anne Savery <asavery@tulaliptribes-nsn.gov>
Sent: Friday, February 13, 2015 11:56 AM
To: Presler, Dawn; 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov); 'James (ECY) Pacheco' (JPAC461@ECY.WA.GOV); 'brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller'; Tom O'Keefe; Mick Matheson
Cc: Binkley, Keith
Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

Dawn

The Tulalip Tribes provides its concurrence with the latest DDVP Plan Supplement.

Anne

From: Presler, Dawn [DJPresler@SNOPUD.com]
Sent: Thursday, February 05, 2015 9:12 AM
To: 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); Anne Savery; 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov); 'James (ECY) Pacheco' (JPAC461@ECY.WA.GOV); 'brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller'; Tom O'Keefe; Mick Matheson
Cc: Binkley, Keith
Subject: FW: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

ARC Members,

Attached is the latest/greatest DDVP Plan Supplement for your concurrence within in the next 10 days (by 2/15/2015). (Failure to respond is deemed approval of the DDVPP Supplement as written). Thanks!

Dawn

-----Original Message-----

From: Binkley, Keith

Dawn - please circulate this email along with the 12/17/2014 version of the supplement to the ARC - that version has additional language on minnow traps and video. Tulalip was final party to concur although others had not seen the additional language.

Thanks

Keith

-----Original Message-----

From: Anne Savery [mailto:asavery@tulaliptribes-nsn.gov]

Sent: Monday, December 15, 2014 11:37 AM

To: Binkley, Keith; Presler, Dawn; 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov); 'brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller' (JMiller@ci.everett.wa.us); 'Tom O'Keefe'; 'Mick Matheson'

Presler, Dawn

From: Applegate, Brock A (DFW) <Brock.Applegate@dfw.wa.gov>
Sent: Thursday, February 12, 2015 6:01 PM
To: Presler, Dawn; 'Steven Fransen' (steven.m.fransen@noaa.gov);
'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS'
(leverest@fs.fed.us); Anne Savery; Maynard, Chris (ECY); Pacheco, James (ECY);
'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller'; Tom O'Keefe; Mick Matheson
Cc: Binkley, Keith
Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

Hi Dawn, **WDFW concurs with the supplement to the plan.** The WDFW fish screen praised SnoPUD for your use of the Hydrolox self-cleaning traveling fish screens.

I know that we have reviewed this supplement many times. If you can add these questions below to the supplement without additional review, please do. If not, perhaps we can write a implementation document for the DDVP Plan with the following questions. :=)

We are not wanting to hold up the supplement any longer. Our fish screen shop finally was able to review the supplement.

- 1) What is the timeline/procedure for getting the screens in place in the possible responsive scenarios?
- 2) Who will install the screens in those scenarios?

Thanks for the several reviews over the last few months.

Sincerely, Brock

Brock Applegate
Renewable Energy/Major Projects Mitigation Biologist Washington Department of Fish and Wildlife P.O. Box 1100
111 Sherman St. (physical address)
La Conner, WA 98257-9612

(360) 466-4345 x244 (office)
(360) 789-0578 (cell)
(360) 466-0515 (fax)

-----Original Message-----

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Sent: Thursday, February 05, 2015 9:13 AM
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Cc: Binkley, Keith
Subject: FW: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

ARC Members,

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Presler, Dawn

From: Jim Miller <JMiller@everettwa.gov>
Sent: Tuesday, February 10, 2015 7:59 AM
To: Presler, Dawn
Cc: John Nottingham; Binkley, Keith
Subject: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

CONCUR.

Jim Miller

-----Original Message-----

From: Presler, Dawn [mailto:DJPresler@SNOPUD.com]
Sent: Thursday, February 05, 2015 9:13 AM
To: 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); Anne Savery; 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov); 'James (ECY) Pacheco' (JPAC461@ECY.WA.GOV); 'brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); Jim Miller; Tom O'Keefe; Mick Matheson
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From: Binkley, Keith

Dawn - please circulate this email along with the 12/17/2014 version of the supplement to the ARC - that version has additional language on minnow traps and video. Tulalip was final party to concur although others had not seen the additional language.

Thanks

Keith

-----Original Message-----

From: Anne Savery [mailto:asavery@tulaliptribes-nsn.gov]
Sent: Monday, December 15, 2014 11:37 AM
To: Binkley, Keith; Presler, Dawn; 'Steven Fransen' (steven.m.fransen@noaa.gov); 'Tim_Romanski@fws.gov' (Tim_Romanski@fws.gov); 'Loren Everest - USFS' (leverest@fs.fed.us); 'Maynard, Chris (ECY)' (cmay461@ecy.wa.gov); 'brock.applegate@dfw.wa.gov' (brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller' (JMiller@ci.everett.wa.us); 'Tom O'Keefe'; 'Mick Matheson'
Cc: Spahr, Scott; Spangler, Brad; Joshua Kubo; Daryl Williams
Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

Presler, Dawn

From: Steven Fransen - NOAA Federal <steven.m.fransen@noaa.gov>
Sent: Thursday, February 05, 2015 11:38 AM
To: Presler, Dawn
Subject: Re: FW: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

Dawn,

I reviewed the supplemental plan to exclude salmon and steelhead from the Lake Chaplain water intake. **NMFS concurs with and approves the supplement.** Thanks for coordinating with us.

SF

On Thu, Feb 5, 2015 at 9:12 AM, Presler, Dawn <DJPresler@snopud.com> wrote:

ARC Members,

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Dawn

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From: Binkley, Keith

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(brock.applegate@dfw.wa.gov); 'Leonetti, Frank' (frank.leonetti@snoco.org); 'Jim Miller'

(JMiller@ci.everett.wa.us); 'Tom O'Keefe'; 'Mick Matheson'

Cc: Spahr, Scott; Spangler, Brad; Joshua Kubo; Daryl Williams

Subject: RE: JHP (FERC No. 2157) - CONCURRENCE NEEDED re: DDVPP supplement by Dec. 15

Tulalip provides its concurrence with the caveat that the Tribe would like to see in the document how fish will be physically measured - we find the distinction between 59 and 60 mm to be very difficult to assess without measurement. Keith has mentioned minnow traps and we have suggested video recording - if that is possible.

Anne