From: Peterson, Erik
To: Goodman,Dave (BPA) - ECF-4; Nogi, Jill
Cc: marcia.porter@ecy.wa.gov; Zell, Christopher
Subject: [EXTERNAL] RE: U.S. EPA comments on the Melvin R. Sampson Hatchery Final EIS
Date: Wednesday, February 28, 2018 3:33:51 PM

Dave,

Thank you for reaching out again. I'm including a few bullets that were drafted by our Water Quality Monitoring Coordinator, Chris Zell, for your consideration. My apologies for not sending these earlier. Please contact Chris Zell
206-553-1353 or by email if you have any technical questions, and/or myself with any NEPA implication questions.

- Adding a more WQ parameters to the dilution calculation, such as TSS, turbidity, and BOD
- Considering flow/dilution occurring at the point of discharge (side channel) rather than main channel. Side channel will have less flow.
- Discuss considerations of incomplete lateral mixing. That is, discharge is not likely to mix with the entire Yakima river flow as instantaneously assumed. Rather the actual dilution, for several hundred feet, may be less because effluent could be concentrated in a plume rather than mixed. There are empirical equations available to estimate plume dimensions and centerline concentrations.
- Provide some rationale that discharge flows and concentrations represent reasonable worst-case conditions
- Provide some rationale that concentrations resulting from the discharge will achieve water quality standards and align with the level of impact referenced in the FEIS.

Erik Peterson, NEPA Reviewer
U.S. EPA, Region 10
1200 Sixth Avenue, Suite 900
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(206) 553-6382

From: Goodman,Dave (BPA) - ECF-4 [mailto:jdgoodman@bpa.gov]
Sent: Wednesday, February 28, 2018 9:08 AM
To: Peterson, Erik <Peterson.Erik@epa.gov>; Nogi, Jill <nogi.jill@epa.gov>
Cc: marcia.porter@ecy.wa.gov
Subject: RE: U.S. EPA comments on the Melvin R. Sampson Hatchery Final EIS

Good morning, Erik and Jill,

I previously got in touch regarding your comments on the Melvin R. Sampson Hatchery Final EIS. Based on your comments, we ran dilution calculations for certain pollutants associated with hatchery discharge, and we plan on referencing this information in the ROD for the project. I

wanted to get in touch one more time to see if you had any comments or questions associated with this new information. I anticipate proceeding with a ROD on the project shortly.

Regards,

Dave Goodman

From: Goodman,Dave (BPA) - ECF-4
Sent: Wednesday, January 17, 2018 3:43 PM
To: 'Peterson, Erik'
Cc: marcia.porter@ecy.wa.gov
Subject: RE: U.S. EPA comments on the Melvin R. Sampson Hatchery Final EIS

Hi Erik,

In response to the EPA comments on the Melvin R. Sampson Hatchery Final EIS, we've run some dilution calculations on certain pollutants associated with the hatchery effluent. Those calculations are attached. We are hopeful that this calculation responds to the request in your letter on the Final EIS. We plan on including or referencing this information in the Record of Decision for the project.

Thanks,

Dave Goodman

From: Peterson, Erik [mailto:Peterson.Erik@epa.gov]
Sent: Thursday, December 21, 2017 4:09 PM
To: Goodman,Dave (BPA) - ECF-4
Cc: marcia.porter@ecy.wa.gov
Subject: [EXTERNAL] U.S. EPA comments on the Melvin R. Sampson Hatchery Final EIS

Mr. Goodman and Ms. Porter,

EPA's comments on the Bonneville Power Administration's Final EIS for the Melvin R. Sampson Hatchery are attached.

We have also mailed an original of this letter to BPA.

Please contact me if you have any questions. Thank you!

Erik Peterson, NEPA Reviewer
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