

<b>Project Name:</b> Pebble Project EIS
<b>Date:</b> January 14, 2020
<b>Time:</b> 1:30-3:30pm
<b>Location:</b> Microsoft Teams Teleconference or AECOM office
<b>Subject:</b> Cooperating Agency Technical Meeting on Water Quality, Treatment, and Flow
<b>General Notes:</b> Topics discussed: <ul style="list-style-type: none"> <li>- Responses to RFIs 021e and 021h regarding water treatment plant (WTP), received since the November 2019 technical meetings;</li> <li>- Response to RFI 021g regarding revised water balance and water quality model estimates;</li> <li>- Responses to RFI 109f regarding streamflow estimates;</li> <li>- Response to RFI 145 regarding WTP discharge temperature;</li> <li>- AECOM fugitive dust in surface water technical memo.</li> </ul> See below for action item notes.

Attendees and Affiliation:	
ACHP	
AECOM	Bill Craig, Cara Wright, Nancy Darigo, Dan Delaney, Tim White, Jim Aldrich, James Dietzmann, Richard Henry
BSEE	John McCall
Curyung Tribal Council	
EPA	Molly Vaughn, Chris Eckley, Amy Jensen, Matt LaCroix, Betsy McCracken, Barbara Butler, Kate Schofield, Cindy Godsey, Patty McGrath, Tim Maley, Don Claybaugh
LPB (Jade North)	Bob Loeffler
Nondalton Tribal Council (represented by NARF)	Wes Furlong
NPS	Krista Bartz, Dan Young, Kerensa King, Paul Berger
PHMSA	Bob Guisinger
State of Alaska	Kate Harper (F&G), Gary Mendivil, (DEC), Josh Brekken (F&G), Tom Barrett (DNR)
USACE	Shane McCoy
USCG	Dave Seris
USFWS	Douglass Cooper, Catherine Yeargan

Action Item	Due Date	Notes
<b>USACE</b>		
Schedule/agendas for March meetings	2/28/20	Decide schedule based on CA topics/availability conflicts. Add fish habitat modeling to list of topics.
<b>AECOM</b>		
Add RFI 135 to website	1/16/20	Regarding monitoring and adaptive management. Backcheck status; received over the holidays.
Address concerns from today's meeting	2/7/20-PFEIS or 3/9/20-technical meetings	Consult with USACE to determine if the following issues raised on the RFI responses need to be addressed for NEPA, or if they would be addressed in future permitting by others if the project advances. If additional work is needed for NEPA, decide whether to add to PFEIS, add to March meeting agendas, or address in the FEIS: <u>RFIs 021e and 021h - WTPs:</u> -Use of sodium sulfide for selenium removal, need for tight pH control -Management of precipitated solids -Ferric oxide and released metals and/or salts in pyritic TSF -Hardness of receiving waters -Net precipitation regulations -Hexavalent chromium <u>RFI 021g – Water balance/water quality model:</u> -Inconsistencies in brine disposal

		<ul style="list-style-type: none"> <li>-Dewatering rate historical basis, may change in future</li> <li>-Runoff from quarries, regulatory status</li> <li>-Long-term temperature and precipitation statistics tables, labels</li> <li>-WTP capacities</li> <li><u>RFI 109f - Streamflow reductions:</u></li> <li>-Clarify diversions/tributaries included in streamflow estimates</li> <li><u>RFI 145 – WTP temperature:</u></li> <li>-Clarify basis of release temperature assumption</li> <li>-Rationale for temperature period of record</li> <li><u>Fugitive dust in surface water technical memo:</u></li> <li>-Clarify how soil-water/sediment-water modeled</li> <li>-How catchment area accounted for</li> <li>-Ratio between retention and export from catchment</li> <li>-Ratio between deposition and runoff</li> <li>-Mixing zone depth in soil/sediment</li> <li>-Clarify sediment equation: how dust gets into sediment/water</li> <li>-Clarify how dust concentrations determined</li> <li>-Not including erosion is potential source of underestimation</li> <li><u>Other:</u></li> <li>-Habitat modeling – clarify if all tributary losses captured</li> <li>-Contaminant loading in watershed</li> <li>-Incorporate information in 3 pending SoA RFIs</li> </ul>
<b>CAs</b>		
Email USACE with March meeting conflicts	1/24/20	USFWS and ADFG Commercial Fisheries expressed conflicts.
Email USACE with preliminary questions/topics on PFEIS	2/25/20	To help decide agenda topics.