From: Unruh, David (ECY)
To: Emily Blakeway; Mike Noll
Subject: NW3070 - Tosco Bainbridge Bulk Plant Potability Demonstration
Date: Monday, July 1, 2024 8:56:40 AM
Attachments: image001.png

Hi Emily and Mike,

I got a chance to speak with our toxicologist as well as Mike Warfel about the possibility of demonstrating that groundwater affected by releases at the Site is not potable in order to use cleanup levels protective of aquatic and marine receptors. We feel that this is certainly a possibility at the Site, and recommend the following to demonstrate potability (see WAC 173-340-720(2) for complete requirements)

- The easiest way to demonstrate that groundwater is unlikely to be used for drinking water supply is to show that production rates are too low to serve as a productive drinking water source. Ecology recommends conducting testing to show that well yield is less than 0.5 gallons per minute (WAC 173-340-720(b)(i)).
- In addition, Ecology recommends discussion of the likelihood that contaminated groundwater at the Site could affect a current or future source of drinking water (WAC 173-340-720(2)(c)). Based on our discussions, it is not necessary to demonstrate that the Site meets all the conditions in i through vii, but Ecology recommends addressing as many of these points as possible. Specifically at the Site, it will be useful to discuss fate and transport characteristics of petroleum hydrocarbons as well as the where the Site is located within the regional groundwater recharge and discharge areas.

I hope that information is helpful for you all as we work to close out this Site. Please let me know if you have any questions or if you would like to set up a meeting to discuss further.

Thank you,
David

David Unruh, LHG (he/him) | Department of Ecology | Northwest Regional Office - Toxics Cleanup Program | Site Manager
Cell: 206.459.6287 | Fax: 206.366.7810 | david.unruh@ecy.wa.gov
PO Box 330316, Shoreline, WA, 98133-9716

DEPARTMENT OF ECOLOGY
State of Washington