From:	Unruh, David (ECY)
To:	Rankin, Drew C.; Chepel, Andrey; kevin.hood@pbsusa.com
Cc:	Clarke, David; Fernandez, Sonia (ECY); Barber, Eva (ECY)
Subject:	RE: VCP NW3335 - Valley I-5 Poulsbo RV Opinion Letter Status
Date:	Thursday, July 21, 2022 13:13:00
Attachments:	Tacoma Smelter Plume Model Remedies Guidance.pdf

Hi Drew,

Thank you for the comments and clarifications in your letter. In the VCP program, we try to stay away from formal comments and responses, so I'm sending this email with the requested clarifications.

Groundwater Sampling and Monitoring Well Network
Ecology does not require the replacement or addition of any monitoring wells to the existing monitoring well network. Replacement of any Site monitoring wells is only necessary in the case that they are damaged during the remedial action or construction.

Shallow Soil Arsenic and Lead Characterization
As discussed in Ecology's Opinion Letter, your Site lies within the predicted boundary of the Tacoma Smelter Plume (TSP). I spoke with Eva Barber, the technical assistance coordinator for the TSP Site, to address your concerns regarding arsenic and lead sampling at the Site. Additional mass hardscape demolition at the Site is not necessary at this time. However, shallow soil sampling is needed across the Site to demonstrate compliance with cleanup standards and for issuance of a No Further Action opinion. Please refer to Ecology's web page for TSP technical assistance and to the *Tacoma Smelter Plume Model Remedies Guidance*, attached here, for information on the number and location of soil characterization samples needed for Site characterization.

Based on the location and timing of development at the Site, the number of samples locations recommended in Table 1 of the guidance may be reduced by 1/3. The northern and southern parcels are in use as commercial space, total approximately 3.5 acres in size, and are within the projected 20-40 ppm concentration area. One third of the recommended sample locations for parcels of this size and use totals 17. As discussed in the guidance, one out of every four sampling locations should include a sample collected from the 6-12 inch depth interval in addition to the 0-6 inch interval. I understand this is an increase in the number of samples I had estimated for the Site, but these data are needed for closure of the Site. Eva and I are hopeful that, based on the location of the Site and the timing of development, we won't see elevated concentrations of arsenic or lead.

Once soil arsenic and lead data have been collected, they may either be compiled in a separate report or included with the final Cleanup Action Report. Eva will review the results of arsenic and lead sampling and issue a response from the TSP group regarding the status of the Site.

Thank you again for your comments, I look forward to working together to bring this site to closure. Please let me know if you have any further questions.

Best,
David

David Unruh, LG (he/him) | Department of Ecology | Toxics Cleanup Program | Site Manager
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From: Rankin, Drew C. <RankinD@wsdot.wa.gov>
Sent: Monday, July 18, 2022 08:49
To: Unruh, David (ECY) <dunr461@ECY.WA.GOV>; Chepel, Andrey <ChepelA@wsdot.wa.gov>; kevin.hood@pbsusa.com
Cc: Clarke, David <ClarkDH@wsdot.wa.gov>; Fernandez, Sonia (ECY) <sofe461@ECY.WA.GOV>; Mohamed, Nancy (ECY) <nmoh461@ECY.WA.GOV>
Subject: RE: VCP NW3335 - Valley I-5 Poulsbo RV Opinion Letter Status

David-

Attached is the response from WSDOT's contractors' sub, PBS Engineering.

As we discussed during our office and field visit on 7/6/22, we will wait for your review of this response and move the process forward at that time.

Best,

Drew Rankin
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Puget Sound Gateway Program
SR 509, I-5 to 24th Avenue S. – New Expressway Project
Alaskan Way Viaduct Replacement Program

From: Unruh, David (ECY) <dunr461@ECY.WA.GOV>
Sent: Thursday, May 26, 2022 3:05 PM
To: Chepel, Andrey <ChepelA@wsdot.wa.gov>; Rankin, Drew C. <RankinD@wsdot.wa.gov>; kevin.hood@pbsusa.com
Subject: VCP NW3335 - Valley I-5 Poulsbo RV Opinion Letter Status

Hi All,

I just wanted to let you all know we're in the final stages of preparing the opinion letter on your proposed interim cleanup action for the Valley I-5 Poulsbo RV cleanup site. We have just a few small

additional recommendations for soil sampling during the excavation, but no major changes to the planned cleanup. I'm happy to meet to discuss the contents of the letter once we have the production draft ready in the next week or two if that's helpful. Please let me know if you have any additional questions.

Thank you,
David

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