From:	DAUGHERTY Katie * DEQ
To:	Benjamin Johnson
Cc:	THOMAS Wesley * DEQ; LACEY David J * DEQ
Subject:	FW: Arkema Portland - February 2023 MPR
Date:	Friday, May 26, 2023 12:19:00 PM
Attachments:	image002.png image003.png Feb2023 Monthly Progress Report_20230414_reduced.pdf Jan2023 Monthly Progress Report_20230414_revised.pdf

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I don't know that I did send it but I also don't know that I didn't. The last few months are a blur.

Dave/Wes – it is in the IRAM project folder too

From: Andrew Gardner <Andrew.Gardner@erm.com>
Sent: Friday, April 14, 2023 1:47 PM
To: DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>
Cc: Todd SLATER <todd.slater@totalenergies.com>; Sarah Seekins <Sarah.Seekins@erm.com>; Josh Hancock <Josh.Hancock@erm.com>; Brendan Robinson <Brendan.Robinson@erm.com>; Morgan Farmer <Morgan.Farmer@erm.com>
Subject: RE: Arkema Portland - February 2023 MPR

Hi Katie,

The February 2023 MPR is attached. Please let me know if you have any questions.

Additionally, the January 2023 MPR was submitted with an incorrect heading on table 1-2. A revised version is attached showing the correct header. These number match the figures.

Thanks,
Andrew Gardner, EIT (OR)
Senior Consultant, Engineering
he/him/his

ERM
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M (503) 858-8811
E andrew.gardner@erm.com | **W** www.erm.com

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From: DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>
Sent: Monday, March 27, 2023 07:58
To: Josh Hancock <Josh.Hancock@erm.com>; Andrew Gardner <Andrew.Gardner@erm.com>
Cc: Todd SLATER <todd.slater@totalenergies.com>; Sarah Seekins <Sarah.Seekins@erm.com>;

Brendan Robinson <Brendan.Robinson@erm.com>; Morgan Farmer <Morgan.Farmer@erm.com>
Subject: RE: Arkema Portland - December 2022 MPR & January 2023

EXTERNAL MESSAGE

Hi Josh, It does not look like these comments were addressed in the January MPR. It would be nice to at least get the vertical gradients corrected in the table. Thanks, Katie

---

From: Josh Hancock <Josh.Hancock@erm.com>
Sent: Friday, March 3, 2023 4:17 PM
To: DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>; Andrew Gardner <Andrew.Gardner@erm.com>
Cc: Todd SLATER <todd.slater@totalenergies.com>; Sarah Seekins <Sarah.Seekins@erm.com>; Brendan Robinson <Brendan.Robinson@erm.com>; Morgan Farmer <Morgan.Farmer@erm.com>
Subject: RE: Arkema Portland - December 2022 MPR

Thank you for these comments Katie. We will make sure they are addressed in the January 2023 MPR and reports going forward.

Josh

From: DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>
Sent: Tuesday, February 28, 2023 8:02 AM
To: Andrew Gardner <Andrew.Gardner@erm.com>
Cc: Todd SLATER <todd.slater@totalenergies.com>; Josh Hancock <Josh.Hancock@erm.com>; Sarah Seekins <Sarah.Seekins@erm.com>; Brendan Robinson <Brendan.Robinson@erm.com>; Morgan Farmer <Morgan.Farmer@erm.com>
Subject: RE: Arkema Portland - December 2022 MPR

EXTERNAL MESSAGE

Hi Andrew,

A couple of comments on the MPR

1. **Section 2, Groundwater Source Control Implementation.** The first sentence of the fifth paragraph states "The distribution of COPCs at the site is predominantly within the Shallow Zone, with decreasing impacts observed in the Intermediate and Deep Zones." It appears that this statement was also made in previous monthly performance monitoring reports. This statement is overly broad and does not reflect the distribution of chlorinated VOCs, chloride, and perchlorate that have been the focus of groundwater sampling since 2019. DEQ recommends removing this statement from future monthly performance monitoring reports.
2. **Table 1-2, December Vertical Gradients.** There appears to be an error in the vertical gradient calculations presented in the table. DEQ assumes that the vertical gradients presented in Figures 5 and 6 are correct. Please correct the vertical gradients presented in Table 1-2 in future monthly performance monitoring reports.

Thanks,

Katie

Katie Daugherty, R.G | she/her
Project Manager
Oregon DEQ | NWR Cleanup and Leaking UST Section
700 NE Multnomah Street, Suite 600
Portland, OR 97232
503-860-3943
Katie.Daugherty@deq.oregon.gov

From: Andrew Gardner <Andrew.Gardner@erm.com>
Sent: Wednesday, February 15, 2023 2:37 PM
To: DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>
Cc: Todd SLATER <todd.slater@totalenergies.com>; Josh Hancock <Josh.Hancock@erm.com>; Sarah Seekins <Sarah.Seekins@erm.com>; Brendan Robinson <Brendan.Robinson@erm.com>; Morgan Farmer <Morgan.Farmer@erm.com>
Subject: Arkema Portland - December 2022 MPR

Katie,

The December 2022 MPR is attached. Please let us know if you have any questions or comments.

Thanks,

Andrew Gardner, EIT (OR)
Consultant II, Engineering
he/him/his

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