From: Wetmore, Cynthia
To: Dean, Brian
Cc: Mike.Grigorieff@CH2M.com; Natalia.Raykhman@CH2M.com; Jaime Dinello; Thomas, Kevin; McCord, Alycia; Barnes, Jacob; Gajjar, Monal; Mike Palmer; Kelly.Richardson@LW.com; Jeff.Carlin@lw.com; Mayer, Kevin; MARTINEZ, YARISSA
Subject: RE: TGRS Construction - Week 90 Progress Report
Date: Monday, December 08, 2014 11:07:00 AM
Attachments: image003.png

Hi Brian, EPA concurs with this approach. Please keep me informed of the schedule and the results.

Cynthia Wetmore, Technical Support Section
US.EPA, Region IX, Superfund Division
75 Hawthorne Street, San Francisco, 94105
(415)972-3059

From: Dean, Brian [mailto:Brian.Dean@aecom.com]
Sent: Monday, December 08, 2014 8:35 AM
To: Wetmore, Cynthia
Cc: Mike.Grigorieff@CH2M.com; Natalia.Raykhman@CH2M.com; Jaime Dinello; Thomas, Kevin; McCord, Alycia; Barnes, Jacob; Gajjar, Monal; Mike Palmer; Kelly.Richardson@LW.com; Jeff.Carlin@lw.com
Subject: TGRS Construction - Week 90 Progress Report

Cynthia:

Please find attached for your review the Week 90 TGRS construction progress report for the period of December 1 through 5, 2014. A copy of the functional testing laboratory results is attached and briefly summarized below. The Effluent Tank sample was non-detectable for VOCs and pCBSA. Although the Effluent Tank was empty, the Effluent Tank sample was likely diluted by potable water in the LGAC vessels. We will need to process a larger volume in order to completely flush the LGAC vessels of the potable water. With your permission, we will discharge the clean water from the Effluent Tank and other potable water temporarily stored in the tanks at the site. Once there is sufficient storage capacity, we will process an additional batch of groundwater from the extraction wells for sampling. The treated groundwater from that batch would be held in the Effluent Tank pending laboratory results.

Groundwater Sample Results

Influent

- pCBSA = 51,000 ug/L
- MCB = 6,600 ug/L
- CF = 1,400 ug/L
- Arsenic = 5 ug/L

Post HiPOx

- pCBSA = 30,000 ug/L
- MCB = 2,400 ug/L
- CF = 1,200 ug/L

Post Air Stripper

- pCBSA = 23,000 ug/L
- MCB = 53 ug/L
- CF = 23 ug/L

Post LGAC

- pCBSA = <5 ug/L
- MCB = <0.5 ug/L
- CF = <0.5 ug/L

<u>Air Sample Results</u>

Air Stripper Outlet

- MCB = 17 ppmv
- CF = 8.9 ppmv
- Benzene = 0.2 ppmv

Discharge Stack

- MCB = <0.0005 ppmv
- CF = <0.0005 ppmv
- Benzene = 0.0002 J ppmv

Brian