Ex. 5 Deliberative Process (DP)

From: Smallbeck, Donald R. [mailto:donald.smallbeck@woodplc.com]
Sent: Tuesday, July 16, 2019 10:09 AM
To: Davis, Eva <Davis.Eva@epa.gov>; 'JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW' <catherine.jerrard@us.af.mil>; 'Wayne Miller' <Miller.Wayne@azdeq.gov>; D'Almeida, Carolyn <dAlmeida.Carolyn@epa.gov>; Pearson, Stuart C. <stuart.pearson@woodplc.com>
Cc: d p <DPope@css-dynamac.com>; GANGNUSS, GREGORY G GS-14 USAF HAF AFCEC/CIBP <gregory.gangnuss@us.af.mil>; Nicole Goers <Nicole.Goers@TechLawInc.com>; 'Brasaemle, Karla' <KBrasaemle@TechLawInc.com>; 'Rohrbaugh, Amanda' <ARohrbaugh@TechLawInc.com>; 'Bo Stewart' <bo@praxis-enviro.com>; William Hughes <William.Hughes@cn-bus.com>; 'steve@uxopro.com' <steve@uxopro.com>; 'Jennings, Eleanor' <Eleanor.Jennings@parsons.com>; 'Panzino.Paula@azdeq.gov' <Panzino.Paula@azdeq.gov>
Subject: RE: ST012 Site Activities

Eva

The initial and current pumping rate is approximately 6 gpm. We are continuing to optimize the extraction rate for CZ23.

From: Davis, Eva <Davis.Eva@epa.gov>
Sent: Tuesday, July 16, 2019 8:46 AM
To: Smallbeck, Donald R. <donald.smallbeck@woodplc.com>; 'JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW' <catherine.jerrard@us.af.mil>; 'Wayne Miller' <Miller.Wayne@azdeq.gov>; D'Almeida, Carolyn <dAlmeida.Carolyn@epa.gov>; Pearson, Stuart C. <stuart.pearson@woodplc.com>
Cc: d p <DPope@css-dynamac.com>; GANGNUSS, GREGORY G GS-14 USAF HAF AFCEC/CIBP <gregory.gangnuss@us.af.mil>; Nicole Goers <Nicole.Goers@TechLawInc.com>; 'Brasaemle, Karla' <KBrasaemle@TechLawInc.com>; 'Rohrbaugh, Amanda' <ARohrbaugh@TechLawInc.com>; 'Bo Stewart' <bo@praxis-enviro.com>; William Hughes <William.Hughes@cn-bus.com>; 'steve@uxopro.com' <steve@uxopro.com>; 'Jennings, Eleanor' <Eleanor.Jennings@parsons.com>; 'Panzino.Paula@azdeq.gov' <Panzino.Paula@azdeq.gov>
Subject: RE: ST012 Site Activities

Hi Don – what's the pumping rate at CZ23? Glad to see it is up and running - Eva

---

From: Smallbeck, Donald R. <donald.smallbeck@woodplc.com>
Sent: Tuesday, July 16, 2019 10:25 AM
To: 'JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW' <catherine.jerrard@us.af.mil>; 'Wayne Miller' <Miller.Wayne@azdeq.gov>; D'Almeida, Carolyn <dAlmeida.Carolyn@epa.gov>; Pearson, Stuart C. <stuart.pearson@woodplc.com>
Cc: d p <DPope@css-dynamac.com>; Davis, Eva <Davis.Eva@epa.gov>; GANGNUSS, GREGORY G GS-14 USAF HAF AFCEC/CIBP <gregory.gangnuss@us.af.mil>; Nicole Goers <Nicole.Goers@TechLawInc.com>; 'Brasaemle, Karla' <KBrasaemle@TechLawInc.com>; 'Rohrbaugh, Amanda' <ARohrbaugh@TechLawInc.com>; 'Bo Stewart' <bo@praxis-enviro.com>; William Hughes <William.Hughes@cn-bus.com>; 'steve@uxopro.com' <steve@uxopro.com>; 'Jennings, Eleanor' <Eleanor.Jennings@parsons.com>; 'Panzino.Paula@azdeq.gov' <Panzino.Paula@azdeq.gov>
Subject: ST012 Site Activities

Activities from 6/3/2019 through 7/12/2019

- SVE Operation
- LNAPL checks
- Completed repairs on non-operational pumps
- Finished installation of CZ23 pump. Pumping at CZ23 started on 7/11/19. Sampled 1 day after start up.
- Implemented plumbing repairs on activated carbon
- Installed and started up a new influent flow meter
- Continued extraction and treatment ~50 gpm, ~20 million total gallons treated since startup of EBR extraction.
- Operating Extraction Wells: CZ07, CZ21, UWBZ21, UWBZ26, UWBZ30, LSZ09, LSZ11, LSZ12, LSZ23, LSZ37, LSZ38
- Extraction Wells Down: none
- Discontinued Extraction: UWBZ27, LSZ39 (baseline, non-pumping samples collected ~2 weeks after shutdown)
- Continued quarterly GW sampling
- Injections:
    - UWBZ34: 4.3 tons 6/5, 3.9 tons 6/10, 1.3 tons 6/14, 1.5 tons 6/17, 2.0 tons 6/18, 2.9 tons 6/19, 2.7 tons 6/20
    - UWBZ36: 2.6 tons 6/5, 3.2 tons 6/6, 3.0 tons 6/10, 1.5 tons 6/14, 1.5 tons 6/17, 0.7 tons 6/18,
    - UWBZ35: 1.2 tons 6/20, 4.0 tons 6/21, 1.9 tons 6/24, 3.3 tons 6/25, 1.7 tons 6/26, 1.5 tons 6/27,0.9 tons 6/28, 1.8 tons 7/1, 2.0 tons 7/2
    - W11: 1.7 tons 6/25, 1.6 tons 6/26, 14.2 tons 6/27, 0.8 tons 6/28
    - LSZ47: 0.2 tons 7/3, 0.3 tons 7/8, 5.3 tons 7/9, 0.2 tons 7/10, 2.3 tons 7/11
    - LSZ48: 0.8 tons 7/3, 1.5 tons 7/8, 1.0 tons 7/9, 1.0 tons 7/10, 3.6 tons 7/1

This week (7/15-7/19)

- SVE Operation
- Continue extraction
- Finish quarterly GW sampling

- Continue injecting sulfate.

Next Week (7/22-7/26)

- SVE Operation
- LNAPL checks
- Continue extraction
- Continue Injecting sulfate

This message is the property of John Wood Group PLC and/or its subsidiaries and/or affiliates and is intended only for the named recipient(s). Its contents (including any attachments) may be confidential, legally privileged or otherwise protected from disclosure by law. Unauthorized use, copying, distribution or disclosure of any of it may be unlawful and is strictly prohibited. We assume no responsibility to persons other than the intended named recipient(s) and do not accept liability for any errors or omissions which are a result of email transmission. If you have received this message in error, please notify us immediately by reply email to the sender and confirm that the original message and any attachments and copies have been destroyed and deleted from your system.

If you do not wish to receive future unsolicited commercial electronic messages from us, please forward this email to: unsubscribe@woodplc.com and include "Unsubscribe" in the subject line. If applicable, you will continue to receive invoices, project communications and similar factual, non-commercial electronic communications.

Please click http://www.woodplc.com/email-disclaimer for notices and company information in relation to emails originating in the UK, Italy or France.

As a recipient of an email from a John Wood Group Plc company, your contact information will be on our systems and we may hold other personal data about you such as identification information, CVs, financial information and information contained in correspondence. For more information on our privacy practices and your data protection rights, please see our privacy notice at https://www.woodplc.com/policies/privacy-notice

---