From:	MASTER Kara E * DEQ
To:	"Ahlquist, Stephen"
Subject:	RE: Johnson Oil IRAM Sample location figure/map
Date:	Thursday, May 26, 2022 12:18:02 PM
Attachments:	image001.png image002.png

Great, thanks!!
Kara Master
Brownfields Coordinator/Project Manager
DEQ NWR Cleanup Program
(503) 229-6351
Kara.e.master@deq.oregon.gov

From: Ahlquist, Stephen <SAhlquist@haleyaldrich.com>
Sent: Thursday, May 26, 2022 12:04 PM
To: MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Subject: RE: Johnson Oil IRAM Sample location figure/map
Hi Kara,
Attached is a draft sketch showing the sample locations. Not exactly to scale yet but it's pretty close.

Steve Ahlquist, RG
Project Manager
T: 971.808.5174
C: 301.651.4785

From: MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Sent: Thursday, May 26, 2022 10:41 AM
To: Ahlquist, Stephen <SAhlquist@haleyaldrich.com>
Subject: Johnson Oil IRAM Sample location figure/map
CAUTION: External Email

Hi Steve,
Do you have a rough figure/map of the sample locations collected during soil removal activities? I'm looking over the lab results from Pace and am trying to match the Sample ID# to where the samples were taken. It can be a hand-marked drawing. I'm not looking for anything fancy. Just need a frame of reference.
Thanks,
Kara Master
Brownfields Coordinator/Project Manager
DEQ NWR Cleanup Program
(503) 229-6351
Kara.e.master@deq.oregon.gov

From: Ahlquist, Stephen <SAhlquist@haleyaldrich.com>
Sent: Tuesday, May 17, 2022 5:22 PM
To: WELLS-ALBERS Rebecca * DEQ <Rebecca.WELLS-ALBERS@deq.oregon.gov>; DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>; MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Cc: SCHATZ Jeff * DEQ <Jeff.SCHATZ@deq.oregon.gov>; Rick Ernst <rernst@gsiws.com>; Casler,

Jennifer <JCasler@haleyaldrich.com>; Steve Mahony <SMahony@haleyaldrich.com>; Klopfenstein, Andy <AKlopfenstein@haleyaldrich.com>
Subject: RE: Johnson Oil IRAM Implementation Field Summary
Hi All,
AEC completed backfilling and compacting the excavation today and completed density testing of the top 12-inch lift. Density testing indicates that compaction greater than 95% of the maximum dry density was achieved. AEC and their equipment vendors will be retrieving their equipment from the site over the next couple of days. I will send out some photos of the final conditions of the site once I receive them from Steve Mahony tomorrow.
Thanks

Steve Ahlquist, RG
Project Manager
T: 971.808.5174
C: 301.651.4785

From: Ahlquist, Stephen <SAhlquist@haleyaldrich.com>
Sent: Monday, May 16, 2022 4:13 PM
To: WELLS-ALBERS Rebecca * DEQ <Rebecca.WELLS-ALBERS@deq.oregon.gov>; DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>; MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Cc: SCHATZ Jeff * DEQ <Jeff.SCHATZ@deq.oregon.gov>; Rick Ernst <rernst@gsiws.com>; Casler, Jennifer <JCasler@haleyaldrich.com>; Steve Mahony <SMahony@haleyaldrich.com>; Klopfenstein, Andy <AKlopfenstein@haleyaldrich.com>
Subject: Re: Johnson Oil IRAM Implementation Field Summary
Hi All,
Today AEC continued backfilling and compacting the excavation in 12-inch lifts to approximately 2 feet bgs. They also replaced the sewer line for the station building. They are planning to complete compaction testing tomorrow afternoon if all goes well and will be removing equipment from the site on Wednesday.
Please let me know if you have any questions.
Thanks
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From: Ahlquist, Stephen
Sent: Friday, May 13, 2022 4:34:40 PM
To: WELLS-ALBERS Rebecca * DEQ <Rebecca.WELLS-ALBERS@deq.oregon.gov>; DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>; MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Cc: SCHATZ Jeff * DEQ <Jeff.SCHATZ@deq.oregon.gov>; Rick Ernst <rernst@gsiws.com>; Casler, Jennifer <JCasler@haleyaldrich.com>; Steve Mahony <SMahony@haleyaldrich.com>; Klopfenstein, Andy <AKlopfenstein@haleyaldrich.com>
Subject: RE: Johnson Oil IRAM Implementation Field Summary
Hi All,
Here is a quick update on work completed this week at the Johnson Oil site:

- **Excavation** – Soil removal in the primary target area and the southern secondary target area (behind station building) is now completed to an average depth of 10 feet bgs. Field

screening indicates that the vertical extent of gross contamination has been removed but sidewall samples indicate contamination extends in all directions from the excavation boundaries.

- **Soil Disposal** – A total of 1655 tons of soil was transported to the Headquarters Landfill.
- **Backfill** – The entire excavation has been backfilled and compacted to approximately 5 feet bgs
- **Well Abandonment** – MW-3 was destroyed during excavation yesterday and AEC will file a decommissioning log with OWRD. The excavation was extended to within 5 feet of MW-5 so that well was left in place.
- **Water Waste** – Zero water waste has been generated during the work. The excavation accumulated a very small amount of water over the week and did not require pumping. AEC plans to return the baker tank early next week.
- **Confirmation Samples** – A total of 27 confirmation samples (16 sidewall samples, 9 bottom samples, 2 duplicates) were collected from the excavation and submitted to Pace today at their location in Tigard, OR. Samples should be logged in by the lab tomorrow.

AEC will continue to backfill and compact the excavation in 12-inch lifts on Monday and expects to be prepared for compaction testing at some point on Tuesday. The sewer line will likely be repaired on Monday, if backfilling has reached the bottom of the pipe by then. Progress is dependent on how fast the quarry can deliver the crushed rock which has been somewhat slow at times. Please let me know if you have any questions.

Have a great weekend

Steve Ahlquist, RG
Project Manager
T: 971.808.5174
C: 301.651.4785

From: Ahlquist, Stephen
Sent: Thursday, May 12, 2022 6:42 PM
To: 'WELLS-ALBERS Rebecca * DEQ' <Rebecca.WELLS-ALBERS@deq.oregon.gov>; 'DAUGHERTY Katie * DEQ' <Katie.DAUGHERTY@deq.oregon.gov>; 'MASTER Kara E * DEQ' <Kara.E.MASTER@deq.oregon.gov>
Cc: 'SCHATZ Jeff * DEQ' <Jeff.SCHATZ@deq.oregon.gov>; Rick Ernst <rernst@gsiws.com>; Casler, Jennifer <JCasler@haleyaldrich.com>; Steve Mahony <SMahony@haleyaldrich.com>; Klopfenstein, Andy <AKlopfenstein@haleyaldrich.com>
Subject: RE: Johnson Oil IRAM Implementation Field Summary

Hi All,

Here is a summary of activities completed at Johnson Oil on 5/12:

- **Excavation** –
  - Soil removal was completed in the secondary target area behind the station building to an average depth of 11 feet bgs.
  - Monitoring well MW-3 was removed by excavation. A licensed driller with AEC will be submitting the decommissioning log to OWRD.
  - Soil was heavily impacted throughout the secondary target area, with the worst impacts observed south of MW-3.
  - No additional sewer line was found other than the shallow 4-inch (2 feet bgs) pipe that was found yesterday.

- **Trucking and Disposal-**
    - 906 tons of soil were transported to the Headquarters Landfill on 5/11
    - Estimated 750 to 800 tons of soil were transported to the Headquarters Landfill on 5/12
- **Backfill** – Jaw-run crushed rock was delivered from the Teevin Brothers quarry throughout the day and placed throughout the primary excavation area
- **Confirmation Samples** – A total of 21 confirmation samples have been collected from the primary target area, including 14 sidewall samples and 7 samples from the excavation bottom.
- **Minimal Excavation Water** – Very little water accumulated in the excavation and no pumping has been needed.
- **Water Line Repair** - The City successfully repaired the water line providing water to the Turning Point at about 9am today. During the repair, a petroleum sheen was visible in the trench opened to expose the pipe. The City advised Turning Point staff to boil their water before use for at least 24 hours and we provided them with 3 gallons of drinking water to use for the day.

The plan for tomorrow is to continue backfilling the excavation, repair the 4-inch sewer pipe, and clean up the site. At this point, we are estimating that AEC will be finished with backfilling/compaction and cleaning up the site on Tuesday.

Steve Ahlquist, RG
Project Manager
T: 971.808.5174
C: 301.651.4785

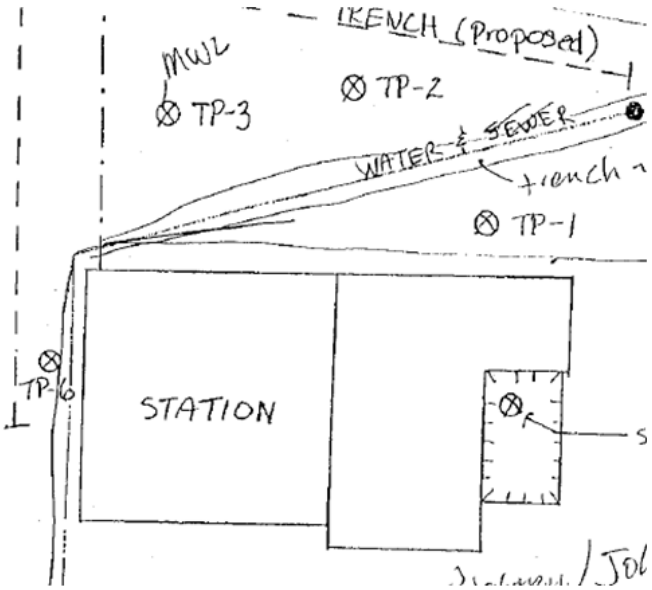
From: Ahlquist, Stephen
Sent: Wednesday, May 11, 2022 7:53 PM
To: WELLS-ALBERS Rebecca * DEQ <Rebecca.WELLS-ALBERS@deq.oregon.gov>; DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>; MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Cc: SCHATZ Jeff * DEQ <Jeff.SCHATZ@deq.oregon.gov>; Rick Ernst <rernst@gsiws.com>; Casler, Jennifer <JCasler@haleyaldrich.com>; Steve Mahony <SMahony@haleyaldrich.com>; Klopfenstein, Andy <AKlopfenstein@haleyaldrich.com>
Subject: RE: Johnson Oil IRAM Implementation Field Summary

Hi All,

We had another productive day at Johnson Oil today. Here is a summary of activities completed at the site on 5/11:

- **Excavation** –
    - Soil removal was completed across the remainder of the primary target area to an average depth of 10 feet bgs
    - Sanitary sewer lateral? – the sewer lateral between the station building and the municipal sewer was not found in the excavation of the primary target area behind the station building as its location is shown in the site plans.
    - 4-inch pipe uncovered – An apparent stormwater sewer pipe was discovered and removed from behind the station building in the approximate area that the sanitary sewer is shown on our site plans. The plastic pipe was encountered at approximately 2 feet bgs behind the station building and extends into the east sidewall above the municipal sewer line at approximately 3 feet bgs. The municipal sewer is approximately

12 feet deep so this pipe must discharge to the river but we could not locate the outfall in the thick vegetation along the stream bank.
    - Unknown well destroyed – A 4-inch PVC well was discovered in the general area of abandoned well MW-11. The well was capped and buried under at least a foot of gravel fill. The well was removed by excavation to approximately 10 feet bgs. Based on a sketch from a 1987 report provided by Rick (see below), it appears this was well MW-2, installed in 1987.
- **Trucking and Disposal-**
    - An estimated 750 to 900 tons of soil were transported to the Headquarters Landfill today
    - A report will be provided by the landfill tomorrow morning with actual weights for each load transported today
- **Backfill** – Jaw-run crushed rock was delivered from the Teevin Brothers quarry throughout the day and placed throughout the primary excavation area
- **Confirmation Samples** – A total of 21 confirmation samples have been collected from the primary target area, including 14 sidewall samples and 7 samples from the excavation bottom.
- **Minimal Excavation Water** – Very little water has accumulated in the excavation and no pumping has been needed.
- **Water Line Rupture** - A water line was damaged by heavy truck traffic on the driveway in front of the Johnson Oil building today. Water was seen bubbling up through a gravel section of the driveway at about 4pm. We called the City Public Works department, and they came out right away to shut off the main valve located across HWY 30 to stop the leak. This section of pipe is City owned and will be repaired by the City maintenance staff tomorrow morning. The Turning Point building will be without water until the pipe is repaired. Kara will be communicating with Kelly at Turning Point about this.



Tomorrow, we plan to continue loading out trucks from the remaining stockpile (~150 tons), extend the excavation into the secondary target area to the south behind the station building, and continue backfilling the primary target area. Excavation of the secondary target area will require removal of monitoring well MW-3.
Please let me know if you have any questions.

Thanks

Steve Ahlquist, RG
Project Manager
T: 971.808.5174
C: 301.651.4785

From: WELLS-ALBERS Rebecca * DEQ <Rebecca.WELLS-ALBERS@deq.oregon.gov>
Sent: Wednesday, May 11, 2022 7:59 AM
To: Ahlquist, Stephen <SAhlquist@haleyaldrich.com>; DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>; MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Cc: SCHATZ Jeff * DEQ <Jeff.SCHATZ@deq.oregon.gov>; Rick Ernst <rernst@gsiws.com>; Casler, Jennifer <JCasler@haleyaldrich.com>; Steve Mahony <SMahony@haleyaldrich.com>; Klopfenstein, Andy <AKlopfenstein@haleyaldrich.com>
Subject: RE: Johnson Oil IRAM Implementation Field Summary
CAUTION: External Email

Thanks Steve! Great news about the low volume of water.

Rebecca Wells-Albers (she/her)
Brownfields Coordinator
DEQ Cleanup Program
700 NE Multnomah Street, Suite 600
Portland, OR 97232-4100
(503) 229-5585
rebecca.wells-albers@deq.oregon.gov
http://www.oregon.gov/deq/Hazards-and-Cleanup/env-cleanup/Pages/Brownfields.aspx

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From: Ahlquist, Stephen <SAhlquist@haleyaldrich.com>
Sent: Tuesday, May 10, 2022 9:44 PM
To: DAUGHERTY Katie * DEQ <Katie.DAUGHERTY@deq.oregon.gov>; MASTER Kara E * DEQ <Kara.E.MASTER@deq.oregon.gov>
Cc: WELLS-ALBERS Rebecca * DEQ <Rebecca.WELLS-ALBERS@deq.oregon.gov>; SCHATZ Jeff * DEQ <Jeff.SCHATZ@deq.oregon.gov>; Rick Ernst <rernst@gsiws.com>; Casler, Jennifer <JCasler@haleyaldrich.com>; Steve Mahony <SMahony@haleyaldrich.com>; Klopfenstein, Andy <AKlopfenstein@haleyaldrich.com>
Subject: Johnson Oil IRAM Implementation Field Summary

Hi All,

We had a productive day at Johnson Oil today. Below is a summary of activities completed at the site on 5/10.

- Overburden Staging –
    - Approximately 360 tons of overburden was deemed suitable for backfill and staged

along the east side of primary excavation area.
    - Overburden was removed to an average depth of 2 feet bgs across the primary excavation area except for the area immediately behind the station building where PID screening and analytical results indicate shallow soil contamination
- Contaminated Soil Removal
    - Approximately 580 tons of contaminated soil was excavated and stockpiled in the southern portion of the primary target area
    - Excavation extended to approximately 12 feet bgs near the northern extent of the excavation and decreased to 9.5 feet bgs based on PID screening as the excavator moved south towards the station building.
    - Very little water was observed seeping into the excavation and no water had accumulated in the excavation by the end of the day
- Backfilling
    - Approximately 60 tons of jaw run crush rock was delivered to the site and placed in the northern portion of the excavation

The plan for tomorrow is to load out trucks from the stockpile for disposal at the Headquarters Landfill and backfill the excavated area completed today. AEC should have 10 trucks/pups making at least 2 round trips to the landfill tomorrow. I'll send out an update with actual disposal amounts when we receive weight tickets from the landfill tomorrow evening.

Please let me know if you have any questions.

Thanks

Steve Ahlquist, RG
Project Manager
(he/him)
Haley & Aldrich, Inc.
6420 S Macadam Avenue | Suite 100
Portland, Oregon 97239
Office: 971.808.5174
Mobile: 301.651.4785
www.haleyaldrich.com