

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Wednesday, July 03, 2013 2:32 PM
To: 'Guthrie, Kristin'; Bajsarowicz, Voytek; Rigter, John
Subject: RO2952: Review Request: Potential Backfill Source at Former Hanson Radum Facility
Attachments: Stock Pile Sample Locations _approval_2013-07-03_.pdf

Kristin,

Based on the information presented in your message and the site visit this morning, Soil piles #2 and #3 are acceptable for use as excavation backfill material with the conditions presented below. In addition, the gravel in Soil pile #4 (as shown on the attached map) is also acceptable for use as excavation backfill provided that the conditions below are met:

- 1) The loading of the soil piles is to be monitored periodically to assure that the fill material is consistent with the material exposed at the surface of the soil piles.
- 2) If staining or odor is observed, the soil pile is not to be used for backfill until further characterization is completed and the use approved by the regulatory agencies.
- 3) If debris is observed, the soil pile is not to be used for backfill until further characterization is completed and the use approved by the regulatory agencies.
- 4) An environmental professional (geologist, engineer, or environmental scientist) with sufficient training to identify the above conditions will periodically observe loading from the soil piles.

Soil pile #1 is not approved for use as backfill at the site. Segregation of asphalt, construction material, and other debris from the backfill would be required. Additional characterization of the material would also be required. The additional characterization would need to be consistent with that for material of unknown origin in the California Department of Toxic Substances document entitled, "Information Advisory, Clean Imported Fill Material," dated October 2001.

Regards,

Jerry Wickham

Alameda County Environmental Health

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From: Guthrie, Kristin [<mailto:KGuthrie@haleyaldrich.com>]

Sent: Friday, June 28, 2013 10:31 AM

To: Wickham, Jerry, Env. Health; Bajsarowicz, Voytek; Rigter, John

Subject: RE: Review Request: Potential Backfill Source at Former Hanson Radum Facility

Jerry and John – please see our responses to your questions below.

- 1) We collect four 4 oz jars from each stockpile. See attached photograph for the location of each Soil Pile.
 - a. Soil Pile #1 = 150 cy
 - b. Soil Pile #2 = 625 cy
 - c. Soil Pile #3 = 50 cy
- 2) We have no firsthand knowledge of where any of the stockpiled material came from.
- 3) The type of fill and the heterogeneity are as follows:

- a. Pile #1 – included one pile of asphalt – not included in sample – to be disposed of separately. The remaining pile consisted of heterogeneous soil and rocks, piles of branches and vegetative material
 - b. Pile # 2 – homogeneous mixture of sand, silt & gravel
 - c. Pile # 3 – Same at #2
- 4) Pile # 1, as noted above includes one pile of asphalt, remaining pile mostly dirt and gravel with some concrete material. There was no construction debris observed in Piles #2 & #3.
 - 5) The original ARCAIDS work plan only called for sampling pile #1
 - 6) Lab results are attached.

Let me know if you need any additional information.

- Kristin

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From: Wickham, Jerry, Env. Health [<mailto:jerry.wickham@acgov.org>]
Sent: Thursday, June 27, 2013 6:44 PM
To: Guthrie, Kristin; Bajsarowicz, Voytek; Rigter, John
Subject: RE: Review Request: Potential Backfill Source at Former Hanson Radum Facility

Kristin,

Could you please provide some background information regarding the fill material such as:

- 1) The location and volume of the stockpiles and volume that each sample represents
- 2) The source of the fill material
- 3) The type of fill and the heterogeneity
- 4) Whether the fill contains any debris or construction material
- 5) Whether this is a variance from the Work Plan
- 6) Laboratory analytical results

I will be out of the office until Tuesday, July 2.

Regards,

Jerry Wickham

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From: Guthrie, Kristin [<mailto:KGuthrie@haleyaldrich.com>]
Sent: Thursday, June 27, 2013 4:24 PM
To: Bajsarowicz, Voytek; Rigter, John; Wickham, Jerry, Env. Health
Subject: Review Request: Potential Backfill Source at Former Hanson Radum Facility

All,

Please find attached for your review analytical results of the recent stockpile sampling at the Former Hanson Aggregates Radum Facility. Soil was collected from four points on each stockpile and composited in the lab prior to analysis. Can you please review and, if appropriate, approve the use of this material as backfill for upcoming closure activities.

AOC 3 field activities will be starting on Monday.

Thanks – please let me know if you have any questions.

Kristin M. Guthrie

Project Manager

HALEY & ALDRICH

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