Detterman, Mark, Env. Health

From: Roe, Dilan, Env. Health
Sent: Tuesday, December 30, 2014 3:34 PM
To: D.M. Livermore; dilan-roe@acgov.org; Detterman, Mark, Env. Health; Alexis N. Fischer; Tonya Russi; tonya.myers@arcadis-us.com; Carryl G. MacLeod; Khan, Muhammed, Env. Health
Subject: RE: Remediation - 10 GrantLine Road

Hi Mr. Onsori:

We have already forwarded Mr. Dietz's recommendation for remediation to Chevron for consideration in their Feasibility Study/Corrective Action Plan (FS?CAP). However, please note that Mr. Dietz's recommendation was not based on site specific knowledge but rather a general technology option for site remediation. I have complete confidence that Chevron and their consulting team will screen the technology option provided by Mr. Dietz and evaluate whether it is appropriate to include as a possible alternative in the FS/CAP evaluation.

As to your concerns about lack of effort at moving the site towards closure, I believe we have a committed team on the project and we are all trying to work towards a path to closure.

Dilan Roe, P.E.
Program Manager - Land Use & Local Oversight Program
Alameda County Environmental Health
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PDF copies of case files can be reviewed/downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

From: D.M. Livermore [mailto:dmbasmatirice@yahoo.com]
Sent: Tuesday, December 30, 2014 1:16 PM
To: dilan-roe@acgov.org; Roe, Dilan, Env. Health; Detterman, Mark, Env. Health; Alexis N. Fischer; Tonya Russi; tonya.myers@arcadis-us.com; Carryl G. MacLeod; Khan, Muhammed, Env. Health
Subject: Remediation - 10 GrantLine Road

Dear Ms. Roe:
Per our last meeting, Dietz Eng. Construction, Inc. has proposed options for Remediation for 10 S. Grantline Rd.
Please see attached and if you are in agreement with the proposed options, please forward a copy to Chevron & Arcadis for Remediation.
If in fact the hazardous materials can be removed, there is no reason that Chevron & Arcadis are continuing to dragging their feet.
As I have stated previously, the lack of effort toward site closure is costly and potential loss of income can be taken into consideration. As of this minute, I have held off on attorneys involvements, but should Chevron continue delaying construction of this project, I will consider to place all option on the table.
I appreciate your feed back.
Thank You.
A. Onsori

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10 S. Grantline
Alameda County

Issue

Two feet floating product ~ 25 – 30 feet BGS in defined area of site.

Options for Remediation

1. **Conventional excavation and pump (highest cost option).**

   a. Excavate ~ a 10 – 15 feet square hole with excavator (minimum 200 class with 4' bucket) (not a long stick – too slow). Bench at 15 feet. Stockpile soil for reuse. Segregate clean and contaminated soil.

   b. Lower diaphragm pump (air operated to prevent fire) on platform to intermittently pump floating product to 10,000 gallons Baker type tank creating cone of depression. This may require several weeks depending on soil permeability.

   c. If soil permeability is low then rock the excavation 4 – 6 foot deep with drain (2 – 4") rock. Install a 6" SS well screen in floating product zone. Extend 6" pipe to surface.

   d. Backfill and compact to surface. Cover rock with geotextile fabric before backfill.

   e. Periodically pump floating product with a ½ HP submersible pump into 10,000 gallon tank. Use a rubber hose attached to pump.

   f. Recycle hydrocarbon and contaminated water and dispose of contaminated soil at local landfill.

   g. When complete fill 6" casing with lean grout.

2. **Drilled excavation and pump (lowest cost option).**

   a. Drill 1 to 3 – 6 foot diameter holes using a truck mounted bucket auger (like used for freeway bridge construction) to about 6 feet below level of floating product. Separate contaminated and clean soil.

   b. Lower diaphragm pump on platform to intermittently pump floating product to 10,000 gallon Baker type tank creating cone of depression. This may require several weeks depending on soil permeability.

c. If permeability is low then rock the excavation 4 – 6 feet deep with drain (2 – 4") rock. Install a 6" SS well screen in floating product zone. Extend 6" pipe to surface.

d. Place a plywood or plastic cover over drain rock. Use a 1 -2 sack mix to backfill to surface (no compaction needed).

e. Periodically pump floating product with a ½ HP submersible pump into 10,000 gallon tank. Use a rubber hose attached to pump.

f. Recycle hydrocarbon and contaminated water and dispose of contaminated soil at local landfill.

g. When complete fill 6" casing with lean grout.

- Contact me for additional details.
- Dietz Engineering and Construction, Inc. is licensed, equipped and has the past experience to remediate site in cost efficient manner if desired.