12016

Drogos, Donna, Env. Health

From: Kay Pannell [piers@pierses.com]
Sent: Wednesday, October 20, 2004 1:56 PM
To: Drogos, Donna, Env. Health
Subject: 3744 Depot Road

Dear Ms. Drogos:

PIERS sent a work plan for futher site investigation at 3744 Depot Road, on July 19th, 2004. We sent it to the case worker, Mr. Scott Seery. We just emailed him to discuss his review and he replied that he is no longer on the case. Could you please tell me who now is in charge of the review, so that we can move forward on the site? Thank you in advance for your assistance.

Sincerely,
Kay Pannell
Chief Operations Offcer
PIERS Environmental Services, Inc,

20161

Drogos, Donna, Env. Health

From: Seery, Scott, Env. Health
Sent: Wednesday, October 20, 2004 1:29 PM
To: Drogos, Donna, Env. Health
Subject: FW: 3744 Depot Road

Donna

FYI

I informed the author of this e-mail that I am no longer in the LOP and that she should contact you with any questions about this case.

-----Original Message-----
From: Kay Pannell [mailto:piers@pierses.com]
Sent: Wednesday, October 20, 2004 1:03 PM
To: Seery, Scott, Env. Health
Subject: 3744 Depot Road

Hi, Scott:

We sent in the work plan for Depot Road in July. Could I please get an update on it? Have you reviewed it? Are there any comments or recommendations? The client would like to act. Thank you in advance for your assistance.

Sincerely,
Kay Pannell
Chief Operations Officer
PIERS Environmental Services, Inc.
(408) 559-1248

American Auto Dismantlers
3744 Depot Road
Hayward
RO 161

This site is located on the south side, and near the west end, of Depot Road. The site is within a large "island" of unincorporated land surrounded by the City of Hayward, and is comprised of a narrow stretch of land that trends north-south with dimensions of approximately 50 x 625'. It is approximately 3000' east of salt evaporator ponds on the edge of SF Bay, and approximately 2.3 miles east of SF Bay proper. An auto dismantler currently occupies the site, and is surrounded on both sides by other dismantlers. There is a shallow irrigation well on the property of unknown construction.

There were two (2) USTs formerly on the property: 1 x 1000-gallon gasoline tank located at the NW end of the property; and, 1 x 500- gallon waste oil tank located near the center of the property. A previous property owner removed both tanks sans permits in 1990 or 1991. No report for this work was ever submitted.

In 1995, five (5) borings were advanced at the site near the UST excavations. Grab GW samples showed 43 mg/l TPH-g, 300 ug/l benzene and 10 mg/l xylenes, among other VOCs detected, near the gasoline UST excavation, and 390 mg/l O&G and 600 ug/l benzene, among other VOCs detected, in water collected near the waste oil UST excavation. Shallow soil (7' bg) impacts (SVOC, O&G) were most notable near the waste oil UST excavation. The irrigation well was also sampled at that time, and showed 2900 ug/l O&G in sampled water.

Two wells (MW-2 and –3) and two additional soil borings (P-1 and –2) were installed at the site in November 1997 in locations NW of the two UST excavations. Soil borings were advanced with a 3½" diameter hand augers to a reported depth of 1 foot below "static water level". No logs were produced for these borings. Well borings were advanced to 15' bg through materials described as inorganic, high liquid-limit clay (CH). First GW was reported around 6-7' bg. Wells were both screened from 5 – 15' bg.

Soil and water collected from P-1/P-2 were screened in the field using "NuHanby Field Test for VOC". Consultant claims NuHanby VOC detection limits of 100 ppb. Soil and water samples collected from well borings were submitted for laboratory analysis. In all cases, only 52 ppm TRPH was noted from the soil sample collected from MW-2 at 5.5' bg. All other samples were below detection limits.

The wells were again sampled in April 1997. No detectable concentrations were reported.

Wells MW-2 and –3 were again sampled in March 1999. Using Method 8020, MtBE was detected in MW-2 at 9.3 ug/l; reported confirmation by Method 8240, although reported as ND. review of the lab data sheet indicates MtBE was not on the list of analytes!

There has been concern regarding suitability of well locations, GW flow directions, and use of the active irrigation well as a monitoring point. At various times GW flow has been reported to be to the north, to the south, and most recently, the consultant (Piers) has indicated the belief that it

now must flow west, towards SF Bay. Hence, it is unclear whether any of the two monitoring wells is appropriately placed.

The anticipated scope of the recent work was an attempt to discern with finer resolution impacts around the UST excavations, and then deduce from the spatial orientation of those impacts some sense of GW flow and solute transport.

Six (6) GeoProbe sampling points were emplaced in February 2004 in very close proximity to the subject UST excavations, three around each location. In fact, the report notes that all borings appeared to be advanced *through the former excavations.*

Borings were completed to 16' bg, and were continuously cored (although, curiously, no logs appear in the report). Initial GW, deduced from inspection of the cores, was at approximately 12' bg. Native lithologies were described as clayey silt to depth explored.

Odor or staining was <u>not</u> noted in those borings advanced near the former gasoline UST excavation. However, odors and staining were noted in the borings advanced near the waste oil UST excavation beginning at 5.5' and continuing to total depth (16'). A sandy-silt zone was noted at 12.8' bg, and water encountered there had product sheen. GW eventually rose to approximately 6 – 7' bg.

Up to 2000 ppm TPH-d and 0.067 ppm benzene, among other low ppm concentration VOCs, were noted in recent soil samples collected at a depth of 11.5' bg from borings near the waste oil UST excavation. MtBE was not detected (DL = 0.05 - 0.25 ppm).

Up to 1100 ug/l TPH-g, 350,000 ug/l TPH-d, 1600 ug/l TRPH, and 120 ug/l benzene in water sampled from borings located near the waste oil UST excavation. All values exceed current RWQCB ESLs for commercial scenarios.

Consultant (Piers) does recognize the need for further assessment, recommending additional borings "within" the waste oil UST excavation.

==========

It does appear that there are a number of actionable items:

- Need logs for recent GeoProbe assessment
- Need logs for borings P-1 and P-2
- Need confirmation of GW flow
- Need scaled maps showing <u>entire</u> site, including site landmarks (buildings, storage racks/areas, wells, borings, etc.), GW flow, etc.
- Need scaled maps showing adjoining properties and site landmarks
- Need construction details of irrigation well (assuming they are not in the file… and I believe they are not)