

Jakub, Barbara, Env. Health

From: Alvaro Dominguez [ADominguez@kleinfelder.com]
Sent: Wednesday, April 08, 2009 4:37 PM
To: Jakub, Barbara, Env. Health
Cc: Charlie Almestad; Ignacio Dayrit
Subject: update on the field work investigation at the former Ambassador Laundry

Barbara

This message serves as an update on the field work investigation at the former Ambassador Laundry. The CPT/MIT, soil and grab groundwater sample collection was completed on March 30-31. The MIT and field observation of soil cores indicated that petroleum impacted soil is present at a depth of approximately 17 to 20 feet bgs. Groundwater was encountered at approximately 20 to 24 feet bgs. The site's stratigraphy is very heterogeneous, with apparent intermixing lenses of clays and fine sandy materials.

Three borings (at location B, C, and D) were advanced to 50 feet bgs for collection of a groundwater sample from the deeper GWBZ. Two of the three borings were dry, indicating a tight clay formation at that depth. The groundwater sample we were able to collect was from the boring advanced at location B, groundwater flow into the borehole was slow. The sample was sent to the laboratory for chemical analysis within a 24 hrs turn around time. Analytical results indicated the presence of low levels of a few chemicals of concern, benzene (0.56 ppb), diisopropyl ether (3.3 ppb), toluene (0.53 ppb) and TPH-diesel (67 ppb) at concentrations slightly above the laboratory's reporting limit and all below their respective ESLs.

Based on the low levels of TPH-d in the groundwater collected at 50 feet bgs and your concurrence that installing deep wells did not seem necessary, only six wells were installed at a depth of approximately 30 feet bgs and screened in the first ground water bearing zone (between 29 and 19 feet bgs). The CPT dissipation tests results suggested the groundwater at the site was under confined conditions; a condition that was confirmed after the wells were installed and depth to groundwater was measured at approximately 9 feet bgs.

Soil samples were delivered to the laboratory for analysis. The analytical results are expected by the end of next week. The wells will be developed and subsequently sampled next week. The results of the soil sampling and groundwater sampling analysis will be summarized in a report describing the field activities performed for the investigation. Please let me know if you have any questions or comments.

Thanks,

Alvaro

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