

Wickham, Jerry, Env. Health

From: James Barnard [JBarnard@deltaenv.com]
Sent: Monday, August 03, 2009 3:13 PM
To: Shouldice, John; Wickham, Jerry, Env. Health; Grayson, Terry L (DXT Services)
Cc: Jan Wagoner; Yoo, James; Stephen Meninger; Caitlin Morgan

Good Afternoon, John:

As per our previous email, I gave the date of the soil vapor test as August 11, 2009. This date of testing has been confirmed with TEG, the sub-contractor who is performing the test. TEG will be using a mobile lab that will analyze for the following constituents by DTSC protocols.

TPHg, BTEX, 5 oxygenates, methane, oxygen, and carbon dioxide.

Once the testing is completed, each soil vapor point will be grouted in the probe hole and extending to the surface. The surface grout will measure approximately 6" thick and approximately 3" in diameter. The job of testing and grouting will all occur on the same day.

The soil vapor points will not become preferential pathways at this particular site due to the heavy clay that the soil points are installed in. The soil vapor points are constructed with 1.5 feet of sand, 3 feet of bentonite pellets installed as six-inch lifts and hydrated in place. The last six-inches has cold patch asphalt as a protective cover. Prior to testing, the asphalt cover will be removed. The vapor probe will be pushed through the bentonite seal to the sand. The probe will be backed-off slightly to open the tip for vapors. Once the vapors are taken, the probe hole and the top six-inches will be grouted.

John, what I respectfully request from you is a decision that Delta does not need to over-bore these soil vapor points. **It is an** industry standard that soil vapor points are not over-bored but instead grouted in place. The industry standard is to just to never over bore bentonite grout-in-place. Soil vapor wells, wells that are used to obtain soil vapors over numerous events, are over bored and grouted when that well is abandoned. Soil vapor points are just a one time event.

Respectfully,

Jim

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