

Wickham, Jerry, Env. Health

From: Dan [gsaengineering@verizon.net]
Sent: Tuesday, August 30, 2011 5:29 PM
To: Wickham, Jerry, Env. Health
Cc: 'Ben Ashton'; 'Allan Coffee'
Subject: Red Star - 1396 5th Street, Oakland

Hello Mr. Wickham,

Thank you for taking the time to discuss the results of the current excavation and confirmation soil sampling activities at the subject site. As you are aware, Citadel collected 42 confirmation soil samples across the site (30 on the western half and 12 on the eastern half). Soil in the western half had a significantly higher concentration of soil contaminants (primarily lead and petroleum) than in the eastern side, so we focused our confirmation samples on the western half. The final depth of excavation on the western half was 7 feet, and we originally proposed to excavate to 5 feet. Unfortunately, our initial confirmation samples at 5 and 6 feet bgs showed elevated levels of lead, so we extended the pit to 7 feet in depth (7.5 feet to 9 feet in two isolated areas). Furthermore, our original plan was to excavate the eastern side to a depth of 2-4 feet to remove the debris and then backfill all clean soil back into the eastern side; however, we excavated to 3 feet and transported and disposed of this material since it would be too time-consuming to sample the material and verify that it was clean enough for backfilling. We collected a total of 12 soil samples (nine yesterday and three several days earlier) from the far eastern side, and our current confirmation sampling results indicate that only one of these soil samples had lead over the requested cleanup target of 80 ppm. This sample was collected approximately 15 feet south of the northern sidewall (near the BART train) and near the western end of the eastern pit. The sample result was 93 ppm lead.

Based on our conversation, you alluded that this result should not be problematic and no deed restriction would be recommended by you; however, you could not guarantee this as there would be other parties reviewing the results. We appreciate your feedback and will submit a draft report of the excavation activities in a couple of weeks.

If you have any further questions or comments please contact me on my cellular phone at 310-567-5743.

Thanks

Dan Louks, P.E.