

SBI-013

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JUN 10 2002



MEMO

TO: Ann Kolata, Senior Redevelopment Specialist
 Andy Laurent, Redevelopment Specialist

FROM: Michael Furfaro

RE: Results of borings in former Foundry Area, Former Oliver Plow, Job #80D2530

DATE: June 5, 2002

On May 17, 2002, Envirocorp advanced a total of 18 borings at the above site. The boring locations were obtained from a map provided by the city. No boring was advanced at location #1 due to it's proximity to MW-9. Two additional borings were advanced at boring #4 and #2 after encountering concrete within the first four feet of the boring. The two additional borings were advanced approximately 10 feet west of borings #4 and #2. Boring #3 was also noted to contain brick fragments to a depth of 5 feet.

The soils obtained from the site were bagged over two foot intervals. The soil samples were then handed over to a representative of the city for engineering analysis. Staining was noted in the upper three feet in borings #5, #6, #7, #9, #11, #12, and #13. The stratigraphy of the soils from 3 to 12 feet were noted to be a fine to coarse sand with no saturation encountered.

Two soil samples for laboratory analysis were obtained from the upper four feet, one from boring #5 and one from boring #13. Low levels (below VRP non-residential clean up level [VRP NR]) of lead (33.4 parts per million [ppm]), chromium (9.1 ppm), and mercury (0.185 ppm) were noted in the sample from #5, with no PCBs, volatile or semi-volatile organics detected in this sample.

The soil sample from boring #13 was noted to contain lead (624 ppm), chromium (23.1 ppm), and mercury (0.360 ppm) below VRP NR, with no PCBs or volatile organics detected in this sample. Three semi-volatile organics were noted above detection limits but below VRP NR, including benzo(b)fluoranthene (0.390 ppm), chrysene (0.350 ppm) and fluoranthene (0.490 ppm).

The soil sample from boring #8 was obtained at 6 to 8 feet below grade. Low levels (below VRP NR) of lead (11.6 ppm), chromium (12.3 ppm), and mercury (0.0172 ppm) were noted, with no PCBs, or semi-volatile organics detected in this sample. One volatile organic, tetrachloroethylene, was noted at 5.6 ppb, well below the VRP NR.

The soil sample was obtained from the material encountered in the open pit below boring #10. This material was noted to contain low levels (below VRP NR) of lead (6.4 ppm), chromium (5.7 ppm), and beryllium (0.8 ppm) were noted, with no PCBs, or semi-volatile organics detected in this sample. One volatile organic, tetrachloroethylene, was noted at 5.9 ppb, well below the VRP NR.