

Polrep #003

Chesapeake Products, Inc., Site

100 Ohio Street, Chesapeake County, VA 23322

GPS Coordinates: Lat N 36 48' 52" Long W-76 17' 06"

Event: CERCLA Removal Assessment

Attention: D. Carney
C. Kleeman
Regional Response Center

I. Situation (As of June 26, 2005):

Following a previous site walk with the VADEQ, and Chesapeake Fire Department at the facility, OSC Brescia determined that a sampling operation was necessary to further assess the soil and waste piles on site to determine if hazards were present that could effective the public or the environment.

II. Actions Taken (As of Monday, June 26, 2005):

- A. On April 20, 2005, OSC Brescia and START met with the Chesapeake Fire Department and the Chesapeake Products maintenance foreman to gain access to the locked portions of the facility. The locked areas of the facility were unlocked. OSC Brescia and START collected 10 surface soil samples. Eight samples were collected around an old sulfuric acid tank farm area, one sample was collected in front of the entrance to the facility, and one background soil sample was taken off-site. OSC Brescia and START collected 20 waste samples from various tailing piles located in warehouses and in the storage portion of the facility. The samples were packaged and shipped to CLP for Total Metal, PCB and Pesticide analysis.
- B. In June, 2005, analytical results from the sampling operations were received. Analytical results indicate the surface soil around the former AST area is impacted with arsenic, barium, chromium, lead, mercury and selenium at concentrations at or in excess of three times the background concentration. Lead was detected in eight surface soil samples at concentrations ranging from 1,200 mg/kg to 7,970 mg/kg. Background surface soil sample lead concentrations were detected ranging from 532 mg/kg to 644 mg/kg. Lead concentrations in the surface soil samples exceeded EPA's Provisional RBC of 1,000 mg/kg for lead in an industrial area. Beta-BHC, heptachlor epoxide, dieldrin, 4, 4'-DDT, methoxychlor, and endrin ketone were detected in surface soil samples at or exceeding three times the background soil concentration. Aroclor-1254 was detected in surface soil samples at concentrations ranging from 84 ug/kg to 440 ug/kg. Arochlor-1254 was not detected in background soil surface samples. Arsenic, barium, cadmium, chromium, lead, mercury and selenium were detected in samples taken from the on-site waste pile samples. Lead was detected in 10 waste pile samples at concentrations ranging from 1,110 mg/kg to 2,510 mg/kg. Lead concentrations in the 10 waste pile samples exceeded EPA's Provisional RBC of 1,000 mg/kg for lead in an industrial area. Pesticides,

including 4,4'-DDE, 4, 4'-DDT, aldrin, heptachlor, methoxychlor, and alphachordane were detected in samples taken from the on-site waste pile samples. PCBs were not detected in any of the waste pile samples.

III. Future Actions

After reviewing the analytical results OSC Brescia has determined that the elevated lead concentrations in the surface soil samples and in the on-site waste piles present a hazard to the public and to the environment. The Agency for Toxic Substances Disease Registry (ATSDR) is currently reviewing the analytical data for additional health hazards. During the week of June 26-July 1, 2005, OSC Brescia will mail a Notice of Potential Liability Letter and a 104E Information of Request Letter to the Responsible Party in reference to his findings. The Notice of Potential Liability letter outlines the current health threat present and requests specific action on the part of the RP to correct the current health threat. The 104E letter defines specific questions about the site and requests information pertaining to the site and to liability. OSC Brescia will wait for the RP to respond to the Notice Letter and to the 104E letter to further assess the proper action to take on the site.

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EPA Region III
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