

Resin Disposal

Clean-Up Activities Update Superfund Fact Sheet - January 1997

EPA CERTIFIES CONSTRUCTION FOR CLEANUP AT SUPERFUND SITE

U.S. Environmental Protection Agency (EPA) and Hercules, Inc. officials met in Jefferson Borough on November 14, 1996, for a final inspection involving construction of the remedy for the Resin Disposal Site (see Figure 1). EPA conducted the final inspection to confirm that Hercules had completed remedial construction activities at the site. On November 20, 1996, EPA Region III Hazardous Waste Management Division Director Thomas Voltaggio certified that construction of the remedy has been completed at the site. The remedy will contain the waste so that it will not migrate offsite. EPA will conduct monitoring to ensure that the site is properly maintained. EPA no longer considers the Resin Disposal Site a threat to human health or the environment.

Hercules, Inc. purchased the site from Pennsylvania Industrial Chemicals Corp. (PICCO) in 1973. Hercules is financing the entire remedial action at the site. Hercules and its contractor, ERM-Enviro Clean, Inc., worked in cooperation with EPA to complete the clean-up construction. This included:

- Installing a multi-layer cap on the onsite landfill;
- Upgrading the oil/water separator;
- Increasing the stability of the lower landfill dike;
- Constructing a fence around the perimeter of the property;
- Implementing a site maintenance and long-term ground water monitoring program; and
- Placing deed restrictions on the property.

MONITORING AND RECYCLING ACTIVITIES

Ground Water Monitoring

During an ongoing monitoring phase, EPA will oversee ground water sampling at the Resin Disposal Site. Hercules will conduct this ground water sampling to verify that there is no change in the onsite ground water contamination. Previously, extensive off site ground water sampling near the site revealed that site contamination had never reached any nearby drinking water sources.

Landfill Leachate to be Recycled

Leachate from the landfill consists of a mixture of oily resins and water. Leachate collects in a trench located downhill from the landfill dike and flows through an underground pipe to the oil/water separator (see Figure 2). The oil/water separator separates the oil from the water by gravity. The oil/water separator is enclosed in a self-contained unit to prevent odors from seeping into the air.

Once separated, Hercules recycles the oil by using it as fuel in a furnace at the company's Jefferson facility located approximately 3,000 feet south of the Resin Disposal Site. The remaining waste water flows into the sanitary sewer and is treated at the West Elizabeth Waste Water Treatment Plant.

Prior to construction of the landfill cap, Hercules collected and recycled up to 1,200 gallons of leachate per month. Installation of the cap has significantly reduced the amount of leachate collected from the system.

CONTINUED EPA INVOLVEMENT

EPA's involvement at the Resin Disposal Site is not over. EPA will remain involved at the site by performing the following activities:

- Verifying and approving the Closure Report with the approved remedial design (this report, sometimes referred to as the "As-Built" Report, describes the construction details of the remedial action);
- Reviewing monthly reports submitted by Hercules regarding the maintenance of the landfill cap, fence, leachate collection system, and oil/water separator;
- Conducting yearly inspections of the landfill cap, fence, leachate collection system, and oil/water separator at least once every five years; and
- Overseeing monitoring well sampling over the next 30 years.

SITE IS 412th ON COMPLETION LIST

As of September 1996, EPA completed construction at 30 percent of all former and current Superfund sites. The Resin Disposal Site is the 412th hazardous waste site to be added to the construction completion list under EPA's Superfund program.

STEPS TO DELETE A SITE FROM THE NATIONAL PRIORITIES LIST

Before a site can be deleted from the National Priorities List (NPL), EPA must ensure that three important criteria are met:

- All performance standards specified in the site's clean-up requirements, including any long-term clean-up goals, have been achieved;
- The Final Inspection has been completed and the Closure Report has been approved; and
- At least one five-year review has been completed.
- A five-year review for the site must be completed on or before June of 2000, before the deletion process can begin.

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