



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION 3

DELAWARE, MARYLAND, PENNSYLVANIA, VIRGINIA, WEST VIRGINIA, AND THE DISTRICT OF COLUMBIA

STANDARD CHLORINE OF DELAWARE SUPERFUND SITE

New Castle County, Delaware

March 2017

SITE CAP HAS BEEN CONSTRUCTED

Construction activities to install a multilayer cap over approximately 23 acres of the Standard Chlorine of Delaware Site have been completed. The cap was the remedy selected in the 2010 Record of Decision.

In May 2015, EPA began preparing the site and installing the cap. Former concrete building foundations and process pads were crushed, existing vegetation was cleared, and the site was graded. Stormwater detention basins, drainage swales, and access roads were constructed. Contaminated soils that had been temporarily stored were relocated to be incorporated under the cap. Air monitoring was conducted throughout the construction activities.

The cap consists of multiple layers. The first layer is a gas collection layer with perforated stainless steel piping, embedded in 12 inches of rice gravel, to route soil gas to the treatment system. The next two layers are designed to prevent rainwater infiltration and gases from coming out, and include a 1-inch thick geosynthetic clay liner and a 40-mil geomembrane. Above is an 18-inch layer of protective cover soil, and 6 inches of topsoil. The cap has been planted with annual rye to initially establish vegetative cover, as well as native warm season grasses for the permanent vegetative cover.

WHAT'S NEXT?

EPA will continue to manage this portion of the site remedy during a “shakedown” period to ensure that the vegetative cover is established, the gas collection and treatment system is working properly, and that the overall remedy is operational and functional. Long term operation and maintenance will eventually be transitioned to the Delaware Department of Natural Resources and Environmental Control.



CONTACT US

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For more information and to see videos taken during the construction, please go to www.epa.gov/superfund/standardchlorine



U.S. Environmental Protection Agency

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