

NVF–Yorklyn Remediation – Summary of Recent Remedial Activities 2013–2016



The following materials were completely removed from the site and were transported to permitted disposal facilities in 2013:

- 143,530 lbs of zinc chloride containing solid waste
- 60,740 lbs of sodium hydroxide solid waste
- 2,382 lbs of hydrochloric and sulfuric acid waste
- 10 lbs of mercury containing solid waste
- 23,460 lbs of soda ash
- 800 lbs of paint related wastes

The following materials were completely removed from the site and were transported to permitted disposal facilities in 2014:

- 133,960 lbs of zinc chloride containing solid waste and old tanks
- 2,800 lbs of corrosive acidic waste
- 55 gallons of Hypochlorite
- 300 lbs of Aluminum Nitrate

The following materials were completely removed from the site and were transported to permitted disposal facilities in 2015:

- 15.69 tons of treated timbers

In addition, 9,389 pounds of zinc oxide sludge was removed from the onsite groundwater zinc recovery systems in 2013, 11,550 pounds was removed in 2014, and 9,815 pounds was removed in 2015. An estimated 75,000 pounds of zinc has been removed from the groundwater beneath the site via the treatment system since 2008. Expansion of the recovery well network in March 2015 has dramatically increased the amount of zinc being recovered from groundwater to between 800 and 1,000 pounds per month.

Approximately 750 cubic yards of asbestos containing materials (~20 large dumpsters) has also been removed from the buildings prior to demolition.

To date, approximately \$4M to 4.5M has been spent at the site from HSCA.

Remedial Investigation/Feasibility Study Report was approved in December 2015, and Proposed Plans of Remedial Action for OU-1 and OU-3 were put on public notice in December 2015. Final Plans were issued in January 2016. The Final Plan of Remedial Action for OU-2 (Mill #6 building and surrounding areas) was issued in July 2015. Construction of the flood mitigation/wetland/soil source removal project will go out to bid in 2016, with construction beginning in late 2016. The cost of the flood mitigation/wetland/soil source removal project(s) is estimated to cost between \$3M and \$5M dollars.

4/5/16 – DNREC Site Investigation and Restoration Section

