

NL INDUSTRIES - TiO₂ PLANT

Key Notes

- Through our worldwide investment recovery team we were able to reduce the total cost of the project by several million dollars.
- Major Equipment and recyclable materials we were able to sell to reduce the overall cost of the project included:

Air fin heat exchangers
Rotary steam tube dryers
Rotary vacuum filters
Water tube boilers
Air compressors
Jet pulverizers

Scrap Ferrous materials
Non-Ferrous materials

SAFETY

At Phoenix Remediation and Demolition safety is #1. We have maintained an EMR of -1 for the last 14 years.



Global Headquarters
PO Box 29 • 156 Second Street
Perth Amboy, NJ 08862
Email: sales@phxequip.com
Phone: (732) 442-6990
Facsimile: (732) 442-0036
www.thephxgrp.com

TOTAL DECOMMISSIONING & COMPLETE ENVIRONMENTAL REMEDIATION OF TiO₂ FACILITY

Sayreville, NJ-

The Phoenix Group was selected to perform a major turnkey decommissioning, decontamination, and dismantlement project at NL Industries' closed titanium dioxide plant, 80 MG power plant, and adjacent sulfuric acid plant. The comprehensive project was performed over 18 months and was separated into four distinct phases:

Phase 1: Environmental Remediation

Extensive decontamination of the buildings, tanks, vessels, and piping were required due to the presence of residuals throughout the facility. The primary contaminants of concern were Black Ore, Titanium Dioxide, Acids, Sulfur, PCB's, lead and mold.



Our crew dismantles a 140 ft. distillation column



Aerial view of the complete 150 acre NL Industries Sayreville, NJ site that we decommissioned.

Phase 2: Asbestos, Lead & Mold Abatement

Removal of 450,000 square feet of transite panels, 80,000 square feet of roofing, and additional 567,000 square feet of friable A.C.M., as well other hazardous materials on site.

Phase 3: Demolition

Demolition to grade of all above ground structures including: all buildings, storage tanks, process equipment, conveyors, pipe and pipe-bridges, railroad tracks, water towers, masonry walls, and

concrete structures and foundations.

Phase 4: Landfill Operation and Maintenance

Operation and maintenance of the on-site landfill which includes: maintaining grades and elevations, management and tracking of the various solid waste streams produced from the decontamination, abatement, and demolition activities. Some Masonry materials were screened and crushed to NJDOT specifications and used in an engineered landfill on site.