

# North Bergen Transfer Station

**Primary Service:** Engineering  
**Type:** Industrial  
**Owner/Client:** U.S. Ecology of Idaho, Inc.  
**Location:** North Bergen, New Jersey  
**Cost:** \$3,000,000  
**Square Footage:** 6,000 sf  
**Completion Date:** N/A  
**Contact:** Simon Bell  
 Vice President of Operations  
 208.331.8400



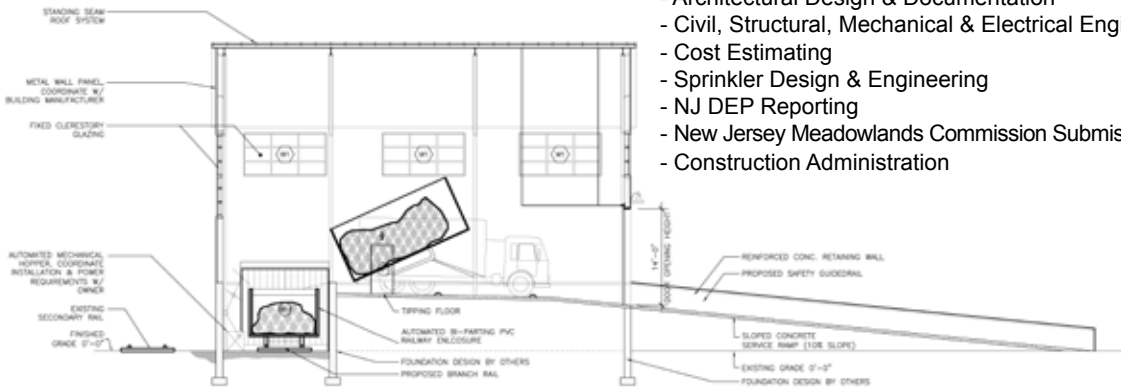
PROJECT #2.3755.01



Colored Side Elevation



Proposed Floor Plan



Conceptual Section

## Project Scope:

U.S. Ecology specializes in environmentally sound treatment and disposal of radioactive and hazardous waste. U.S. Ecology wished to build this facility to move 1.2 million tons of chromium contaminated materials from a Honeywell SA-7 site, over three years, to a storage/treatment facility in Idaho. Shipping trucks deliver bagged contaminated waste from the Honeywell site to the proposed rail transfer facility in North Bergen, New Jersey, which, in turn, ships the contaminated materials to their treatment facility in Idaho.

LAN provided architectural & engineering services for the design of a pre-engineered, 6,000 SF steel building with a four bay truck ramp & platform, for the transfer of bulk waste materials into gondola rail cars, on a New York, Susquehanna & Western Railway (NYS&W) property. LAN provided mechanical engineering services for the design of a 20,000 cfm bag house ventilation system and other ancillary equipment. LAN was responsible for coordination with multiple consultants across several disciplines for the work associated with, but not limited to: the protection of an existing on-site, 10" split case, steel oil line, the protection of existing, on-site fiber optic cable, the installation of a reinforced, concrete railway pad, the relocation of NYS&W railways and the installation of a dry sprinkler system. Unfortunately, after nearly a year of planning, poor soil bearing capacity associated with the project location, resulted in a labor intensive, driven steel pile to be required, ultimately causing the project to become cost prohibitive.

## Services Performed:

- Boundary, Topographic and Utility surveys
- Environmental Permitting
- Geotechnical Investigations & Engineering
- Architectural Design & Documentation
- Civil, Structural, Mechanical & Electrical Engineering
- Cost Estimating
- Sprinkler Design & Engineering
- NJ DEP Reporting
- New Jersey Meadowlands Commission Submissions & Approvals
- Construction Administration

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