

UNION FORGING



Before remediation activities

Beginning in the late 1800's, Union Forging made custom steel products on a 13 acre facility in Endicott, NY. Union Forging thrived over the years until the 1990's when they were forced out of business by cheaper imported parts. What remained was a sprawling complex of abandoned buildings, pits, sumps and tanks; all potential sources of soil and groundwater contamination. Reflecting our expertise in Brownfields Redevelopment, Brickhouse Environmental was brought on to investigate site conditions and remediate as needed, so that the property could be converted from a neighborhood eyesore into a cornerstone of community redevelopment.

The investigations uncovered a variety of environmental impacts requiring active remediation, including the removal and disposal of 4,000 cubic yards of impacted soil, disinfection of biologic hazards, decontamination of the building's interiors, abatement of friable and non-friable asbestos,

and demolition of the facility. Recycled brick and concrete block generated during demolition were used to backfill soil excavation areas, resulting in a significant cost savings to the client.

A significant "plume" of fuel oil was discovered on the groundwater beneath the site. An aggressive technology called "bio-slurping" was selected as the quickest and most cost-effective method to remove free product from the groundwater, while stimulating bioremediation of the residual oil-stained soils above the groundwater.

Brickhouse Environmental negotiated a site investigation and remedial work plans with the NYSDEC to be completed under the State's Voluntary Clean-Up Program. Using risk assessment data, Brickhouse Environmental was able to negotiate a chromium clean-up level that was twice the state's standard clean-up level. This also resulted in a substantial decrease in soil excavation volumes and corresponding savings to the client.

Following the successful cleanup of the facility, the Schaffer Bus Company purchased the site and constructed a new 1.4 million dollar terminal facility.



After remediation activities



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