



**U.S. Army Corps of Engineers
Buffalo District**

Building Strong®

May 2011

Formerly Utilized Sites Remedial Action Program (FUSRAP)

FUSRAP was initiated in 1974 to identify, investigate, and clean up or control sites throughout the United States that were part of the Nation's early atomic weapons and energy programs during the 1940s, 1950s, and 1960s. Congress transferred the management of FUSRAP from the U.S. Department of Energy to the U.S. Army Corps of Engineers in 1997. When implementing FUSRAP, the Corps follows the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan.



Former Linde Site Remediation Activities

Site Description

The former Linde Site is located in the Town of Tonawanda, New York, which is just north of the City of Buffalo, New York. The 135-acre site was previously owned by the Linde Division of Union Carbide and was used to process uranium ores under contract with the Manhattan Engineer District between 1942 and 1946. That activity resulted in residual radiological contamination at portions of the property.

Site History

In the 1950s, the Linde facilities were decontaminated and cleaned in compliance with health and safety guidelines applicable at that time; some structures were demolished and many others were converted to other commercial uses. The current owner is Praxair, Inc. The corporation uses its Tonawanda facility as its worldwide research and development facility. More than 1,000 people are employed at the Linde Site. Adjacent properties include an elementary school, residential areas, a public park and golf course, railroad tracks, and industrial and commercial businesses. The U.S. Army Corps of Engineers is currently managing cleanup of FUSRAP-related materials at the Linde Site in accordance with the March 2000 Linde Soils Record of Decision (ROD).

Status of the Site

Remedial Action began at the site in 2000. The Soils Record of Decision determined the remedy for the Linde Site to be excavation of soils with constituents of concern (COC), radium, thorium and uranium, above the soil cleanup levels identified in the soils ROD, placement of clean materials, and cleanup of contaminated surfaces in buildings with COCs above the surface cleanup levels. The selected remedy

also involves the demolition/relocation of buildings necessary to remediate the site. The cleanup levels presented in the March 2000 soils ROD were established to be protective of industrial workers at the site.

Since beginning the remedial action, the Corps has removed numerous buildings and more than 360,000 tons (180,000 cubic yards) of material from the site to date. Contaminated materials are sent off-site for disposal at licensed facilities outside of New York State.

During site restoration activities, more than 360,000 tons of backfill have been placed to restore excavated areas. Additional material will be placed as areas are cleared and made ready for restoration.

Administrative Record

The Administrative Record for the former Linde Site contains documents that support the decision-making process for the site. It is available for your review at the following locations:

Tonawanda Public Library
333 Main Street
Tonawanda, NY 14150

U.S. Army Corps of Engineers
(by appointment)
1776 Niagara Street
Buffalo, New York 14207

U.S. ARMY CORPS OF ENGINEERS – BUFFALO DISTRICT FUSRAP TEAM

1776 NIAGARA STREET, BUFFALO, N.Y. 14207

Phone: 800-833-6390 (Option 4)

Email: fusrap@usace.army.mil

Website: <http://www.lrb.usace.army.mil/fusrap/linde/index.htm>