



## FACT SHEET

February 2015

### FORMER LINDE SITE - TOWN OF TONAWANDA, NY

Formerly Utilized Sites Remedial Action Program (FUSRAP)

#### Location

- The project area is located in the Town of Tonawanda, NY, nine miles north of downtown Buffalo

#### Site History and Project Description

- The former Linde Site consists of 105 acres in the Town of Tonawanda, NY
- The site is bounded on the north and south by industrial properties and small businesses, on the west by an elementary school, a residential neighborhood and a town park, and on the east by railroad tracks, utility easements, and commercial properties.
- During the 1940s, the Linde Division of Union Carbide used portions of the property to process uranium ores under Manhattan Engineer District contracts
- Praxair Inc. is the property owner and employs over 1,200 people at the site, which is operated as their worldwide technology center, performing research for their industrial gas business
- The Corps of Engineers is concluding a CERCLA Remedial Action of soils at the

Linde Site that were contaminated with radionuclides

#### Importance

- The site has undergone remedial action and does not pose a threat to human health since the elevated levels of radionuclides that exceed Federal criteria and laws are removed
- Principle radionuclides of concern were radium, thorium, and uranium
- By implementing the response action selected in the Record of Decision signed in March 2000, the site is no longer a threat to human health and the environment

#### Consequences

- Potential for long term adverse human health effects from exposure to FUSRAP materials at the site has been mitigated
- Praxair operations are no longer limited by Corps remediation activities on site

Project Phase	Estimated Federal Cost	Funding through FY14	FY15 Requirement	FY15 Appropriation	FY16 Requirement	FY16 Budget
Remediation	\$300.6M	\$300.0M	\$250k	\$250k	\$250k	\$250k

#### Project Sponsor/Customer:

- The project sponsor is the US Congress. Customers include property owners (Praxair Inc), affected communities and elected leaders, and local, state, and Federal environmental and health agencies

- Senator Charles Schumer D-NY
- Senator Kirsten Gillibrand D-NY

#### Congressional Interests:

- Representative Brian Higgins D-NY-26

#### Current Status:

- Remediation was completed in September 2013. The Corps remediated the site by

removing contaminated soils and infrastructure.

- **Building 30 Removal Action (Complete)** - An interim removal action to remove Building 30 was initiated in 1998 and completed in 1999. The project resulted in 4,200 tons of debris material being shipped to legally permitted disposal facilities outside of New York
- **Building 14 Operable Unit (Complete)** This unit was completed in 1999 and resulted in the out of state disposal of over 4,200 tons of contaminated debris
- **Groundwater Operable Unit (Complete)** The Corps completed a Record of Decision which concluded that radiological contaminants in the groundwater pose no current or future threat to human health or the

environment and therefore no further action is required

- **Contaminated Soils Operable Unit (Complete)** The Corps excavated and shipped over 178,247 cubic yards of contaminated soils to out of state disposal facilities
- Remediation excavation was completed on 21 November 2012.
- Remediation was completed in FY13.
- Project closeout documentation initiated in FY13 and will be completed in FY15.

**Issues:**

- None

**Project Manager:** Linda M. Houston (716) 879-4395, [Linda.M.Houston@usace.army.mil](mailto:Linda.M.Houston@usace.army.mil)



