



# Sites in Reuse

## Lowry Landfill Superfund Site

4200 South Gun Club Road, Aurora, Colorado 80018



*A portion of the landfill.*



*Ribbon-cutting at a ceremony to officially open the landfill gas-to-energy plant.*



*Inside of the landfill gas-to-energy plant.*

**Supported Site Uses:** The site is in public service reuse supporting a landfill gas-to-energy plant.

**Restricted Use:** Institutional controls restrict installation of wells, certain land uses both on and off site, and prohibit most on-site construction and excavation. Use of the site for day care centers, schools, nursing homes, hospitals or residential purposes is also prohibited.



### Setting:

- The 507-acre site is located 15 miles southeast of Denver.
- The site landfill operated from the mid-1960s until 1990, accepting liquid and solid industrial wastes, as well as municipal wastes, including tires.
- The Denver Arapahoe Disposal Site (DADS), an operating municipal solid waste landfill, is located immediately adjacent to the site.
- Both the site and DADS produce landfill gas from biological decomposition of landfill materials. The gas mixture is 50 percent methane and 45 percent carbon dioxide.
- In 2008, following the site's cleanup, the City of Denver, Waste Management Inc. and local utility Xcel Energy partnered to open a landfill gas-to-energy plant at the site.
- Four combustion engines at the plant convert 630 million cubic feet of methane gas from the site and DADS into 3.2 megawatts of electrical power annually, enough power to provide electricity to about 3,000 households.
- Surrounding population: 0.5 mile, 0 people; 2.5 miles, 23,280 people; 4 miles, 88,967 people.

### Remedial Status:

- Groundwater cleanup at the site included constructing an 8,800-foot-long groundwater barrier wall on the south, east and west sides of the landfill; a groundwater removal system; and an on-site water treatment plant.
- Other cleanup activities included placing covers over the landfill, installing a landfill gas collection system and monitoring wells, and removing contaminated soil and wastes from the Former Tire Pile Area.
- Initially, the landfill gas collection system, installed in 1997, collected and burned landfill gases through flaring. Today, the landfill gases are converted to energy as part of an alternative energy project.
- Operation and maintenance activities are ongoing.

*Disclaimer:* EPA does not warrant that the property is suitable for any particular use. Any prospective purchaser must contact the property owner for sale potential.

### FOR MORE INFORMATION, PLEASE CONTACT:

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Site Summary:  
<http://www2.epa.gov/region8/lowry-landfill>