



BROWNFIELDS PROGRAM PROJECT FACT SHEET

Former Hawthorne Landfill Hawthorne, Mineral County

SITE BACKGROUND

The Former Hawthorne Landfill is located 0.3 miles to the west of the town of Hawthorne in Mineral County, and is approximately 162 acres in size with a fence and signage defining the site boundary. The land is owned by the Town of Hawthorne. The landfill operated from the early 1920s until 1972, and waste from the town was disposed of in trenches at the site and burned. Municipal waste consisted of household refuse, metal debris, and construction debris. Waste disposal activities were not documented.

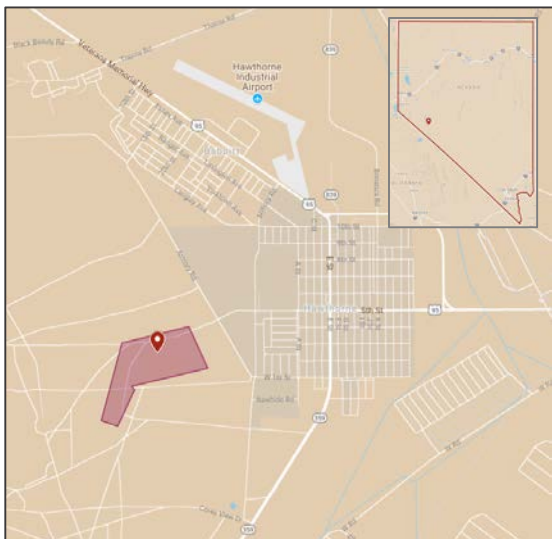
Mineral County applied for and was awarded Nevada Brownfields Program (NBP) funding to perform assessment and cleanup activities on the site. The site sits in the middle of the only land available for private development, and was acting as an environmental and visual barrier to future development. During master planning efforts, the site was identified as a potential location for recreation facilities and residential development.

FUNDING

<u>Activity</u>	<u>NBP Funding</u>	<u>Date</u>
Phase I & Phase II Environmental Site Assessment	\$27,000	2001
Cleanup	\$147,035	2005
SUM	\$174,035	

SITE LOCATION

- Township 8N, Range 30 Section 28-Mt Diablo meridian, Mineral County
- 162 acres



SITE INVESTIGATIONS

The U.S. Army Corps of Engineers (USACE) performed Phase I and Phase II Environmental Site Assessments (ESA) on the site in 2001. The Phase I ESA concluded that waste disposal activities were not documented by the site operator, but waste was generally deposited in excavated trenches, burned, and then covered in soil.

The Phase II ESA presented the results of a Physical Characteristics Test (PCA) at the site. The PCA included excavation of 33 test pits at 21 landfill cells. Thickness of soil cover over waste, depth of waste disposal trenches, and types of waste were documented for each cell. The landfill contained mostly household or municipal waste, and some areas of large metal debris or construction debris. The investigation found no indication of hazardous, toxic, or radioactive waste.

A geophysical survey of the site was performed to identify the locations of subsurface waste disposal. The survey confirmed that locations of buried waste were associated with visible surface features.



Cell and trench locations



Landfill trench

CLEAN-UP ACTIVITY

In 2005, asbestos abatement and solid waste consolidation activities were performed at the site. Field laborers performed surface debris collection and a front-end loader was used to further consolidate large objects. Existing trenches and two new trenches were used to dispose of consolidated surface debris. The trenches were covered with native soil. Disposal of a total of 1,000 piles of consolidated surface debris, constituting approximately 20,000 cubic yards of material, was performed. Approximately 78 tons of consolidated scrap metal was recycled.

During the solid waste consolidation activities, potentially asbestos containing materials (ACM) consisting of cementitious roofing tiles and friable pipe insulation material were observed and subsequently abated through removal.



Waste consolidation

CURRENT STATUS

The only remaining surface debris at the site consists of recently dumped yard waste, paper, and plastic trash. Mineral County actively patrols the site to remove trash and reduce future dumping.

There are potentially unidentified environmental concerns, including buried ACM, remaining on the site. Based on the type of future site redevelopment, additional soil or groundwater assessment may be warranted. Site redevelopment planning should address the potential for the presence of unidentified ACM and other unidentified chemicals of concern in the subsurface of the site.



Asbestos containing materials cleanup

RESOURCES

To learn more about the Nevada Brownfields Program, visit:

<https://ndep.nv.gov/environmental-cleanup/brownfields>



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