

## Site Redevelopment Profile

# Lipari Landfill Superfund Site

Route 322, Pitman, New Jersey 08071

### Property Overview

#### Size

16 acres

#### Current Site Uses

- A recreation area with six athletic fields, a nature trail and a paved, lighted parking lot are located on site.
- The site also includes ecological resources and wildlife habitat in Alcyon Lake, streams and marshes.
- The site is part of Alcyon Lake Park.

#### Use Restrictions

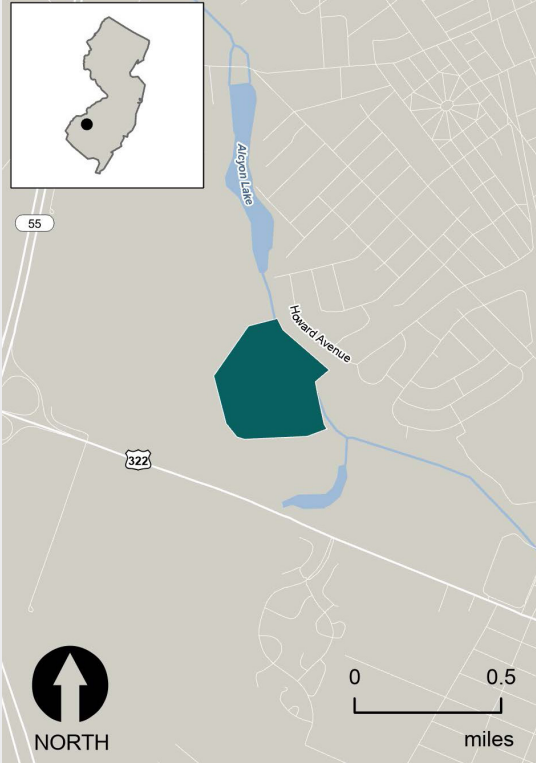
- Groundwater use is restricted.
- Fencing prevents access to contaminated areas.
- Groundwater and property use at or in the vicinity of the site will be restricted with planned deed notices.

#### Surrounding Population

**6,154**  
1 MILE

**39,541**  
3 MILES

**91,768**  
5 MILES



Location of the site in New Jersey.

### Site History and Redevelopment Timeline

**1892**  
Alcyon Lake and Alcyon Park established.

**1958-1971**  
The Lipari family operated a landfill accepting chemical and solid waste on site.

**1971**  
The state of New Jersey closed the landfill.

**1982**  
EPA's cleanup work began.

**1983**  
EPA added the site to the National Priorities List (NPL).

**1984**  
Containment system completed.

**1995**  
Non-landfill area cleanup finished.

**1999**  
Alcyon Lake Park reopened to the public.

**2000**  
The New Jersey Recreation and Park Association awarded its Kinsey Award for Excellence in Design to Alcyon Lake Park.

**2018**  
Landfill cleanup, operation and maintenance activities are ongoing.

## History and Cleanup

EPA's partnership with the state, the borough of Pitman and community partners at the Lipari Landfill in Pitman, New Jersey, has resulted in successful cleanup and restoration of a vibrant ecological resource and public park.

The 16-acre Lipari Landfill accepted chemical and solid waste between 1958 and 1971. When the state of New Jersey closed the landfill in 1971, contamination had already spread into surrounding aquifers, streams, marsh and nearby Alcyon Lake. EPA's cleanup work began in 1982. A slurry wall surrounding the waste was installed below the surface and anchored in a natural clay layer beneath the fill material to prevent horizontal migration of contaminants. A cap over the containment area prevents water infiltration and further migration of contaminants to surrounding areas. Once the source of contamination at the landfill was contained, cleanup of nearby areas began. This included the excavation, treatment and disposal of soil and sediments in downstream waterways, marshes and the lake.

Clean soils filled in the excavated areas and surface features were restored to pre-contamination conditions in coordination with local officials. Cleanup of these non-landfill areas, including the lake, finished in 1995. Landfill cleanup and monitoring are ongoing.

sized soccer fields, a picnic pavilion, bike paths, a concession stand, wildflower meadows and open space. The Pitman Soccer Association and the New Jersey Independent Baseball League host games at the Park, which has also become a birding and wildlife viewing destination. EPA continues to monitor the former landfill and downstream areas to make sure the remedy remains protective of public health and the environment.



Aerial of the site (Source: Map data ©2019 Google)



Baseball fields at the site.

## Redevelopment

The strategy for the restoration of Alcyon Lake and Park started with a partnership between EPA and the borough of Pitman, and the locality's acquisition of a vacant parcel of land. The property provided EPA with a staging and handling area near contaminated areas downstream of the landfill, which helped expedite cleanup work and reduced the need to transport contaminated sediments and soils on local streets. EPA reached an agreement with the borough that allowed EPA to use the land during the cleanup, returning the property to the borough when the cleanup was done. The partnership resulted in substantial cleanup cost savings and enabled the locality to expand its park and recreation facilities.

Reconstruction of the remediated park began in 1997 and by 1999, Alcyon Lake Park was a reality. The New Jersey Recreation and Park Association awarded the Kinsey Award for Excellence in Design to Alcyon Lake Park in 2000. Today, visitors enjoy baseball fields, softball fields, a football field, two tournament-

## Contacts

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