MUNISPORT LANDFILL

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Munisport Landfill (Biscayne Landings)
Munisport Landfill Chronology of Events

1970 City of North Miami purchased 350 acre parcel of land on Biscayne Bay

1972 City of North Miami leased 291 acres of this land to Munisport, Inc. for development of a golf course

1974 Munisport, Inc began operating a landfill to fill in low-lying areas of site. Materials dumped included hospital biohazard waste as well as drums of toxic chemicals.

1980 Munisport stopped landfill operations

1985 EPA conducted a remedial investigation and found that leachate from this landfill (primarily ammonia) threatens the environmental health of Biscayne Bay

2005 Boca Developers, a development group headed by Michael Swerdlow, begins construction of "Biscayne Landing", a $1 billion, 5,000-unit condo project
Munisport Landfill General Information

Munisport Landfill also known as Biscayne Landings.

The site comprises of 291 acres.

containing 6.2 million cubic yards of municipal, biohazardous, and industrial waste.

There are 4 areas: a 170-acre landfill, 15 acres of uplands, 93 acres of altered wetlands, and 13 acres adjacent to Biscayne Bay that are separated from the rest of the site by the State of Florida mangrove preserve.

It is a registered Superfund site.

Three borrow pit lakes in the eastern and southern sections of site.
A proper landfill Cover has not been constructed to date. Permeable cover is placed on the landfill. but will be installed on a Phased basis, as construction of the project takes place. The Engineered cover will include a banter layer consisting of clean soil and other suitable materials. This closure will minimize the generation of additional ammonia due to the age of the landfill and the length of the time these materials have resided in the ground.
Leachate

There is no effective liner in this landfill so the Leachate in this landfill is very minimum.
Ground water

The Landfill consists of 8 storm water lakes

4 lakes will be filled
Surface water

The Runoff of the landfill area goes to 8 storm water lakes located in the site.

The east of the landfill drains into the wetlands.

All surface water runoff is channeled to borrow lakes.
Gas collection and monitoring

gas extraction wells

→
trench well headers

collects gases eliminates them through passive venting

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inspected and maintained on a monthly basis
Gas Monitoring Plan
Gas Monitoring
End Use

- The surrounding area is primarily residential with some commercial users so the main focus is on the development of the landfill and construction of homesites.
  - Park
  - Agriculture
  - School facilities
  - Botanical gardens
  - Animal Refugee
  - Shopping Center
Thank you