

2002 LMOP Project Expo



ACUA Landfill Egg Harbor Township, New Jersey

Atlantic County Utilities Authority

January 6, 2003

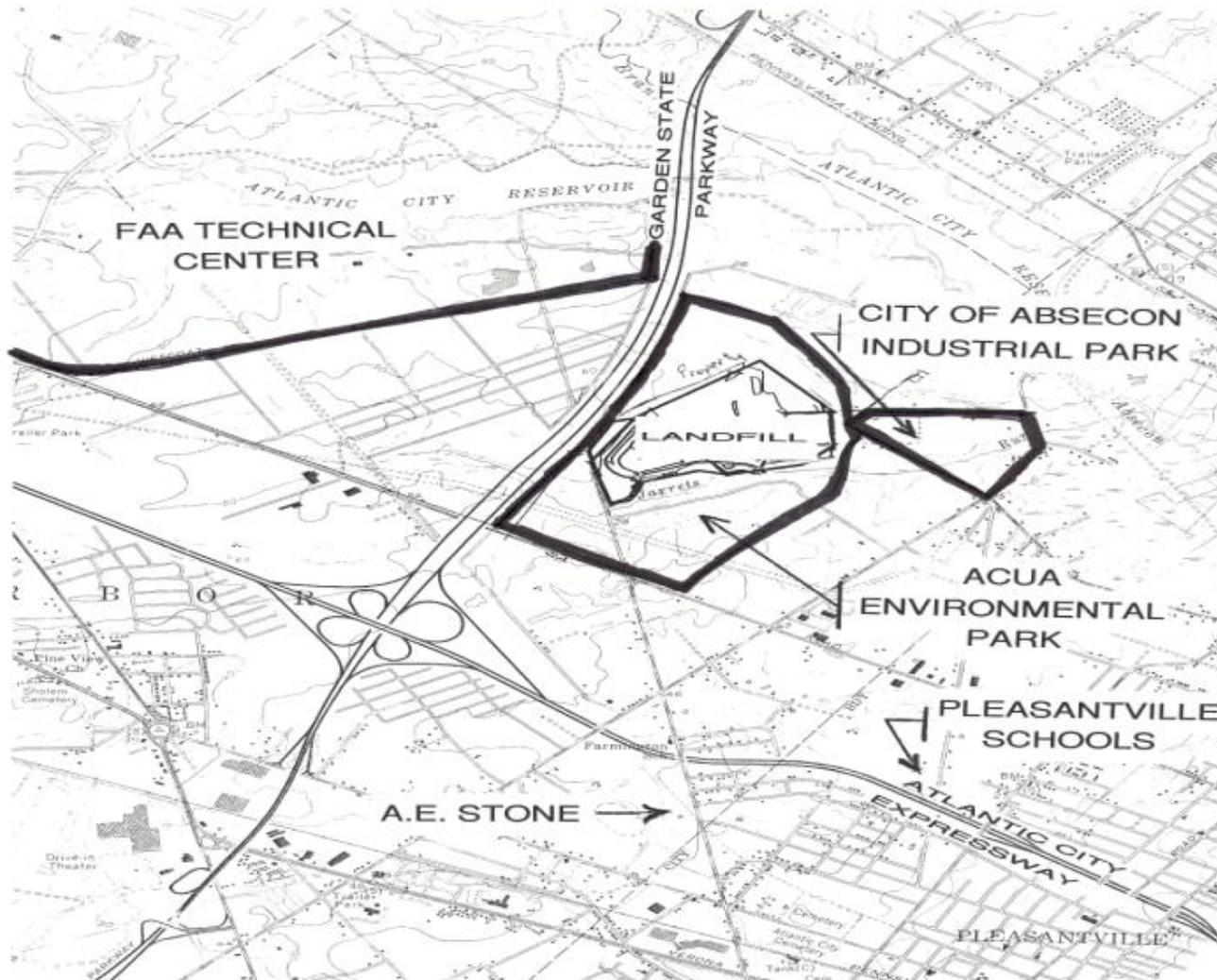
Washington, DC



Landfill Overview

- Owner - Atlantic County Utilities Authority
- Open Year - 1992
- Closure Year - 2018 plus expansion
- Waste in Place - 900,000 tons
- Design Capacity - 3.5 million tons plus
- Annual Acceptance +/- 185,000 tons MSW
- Landfill Area - 70 acres
- Landfill Depth - 115 feet max.

Landfill Location Map



Landfill Final Grades



Landfill Gas Generation

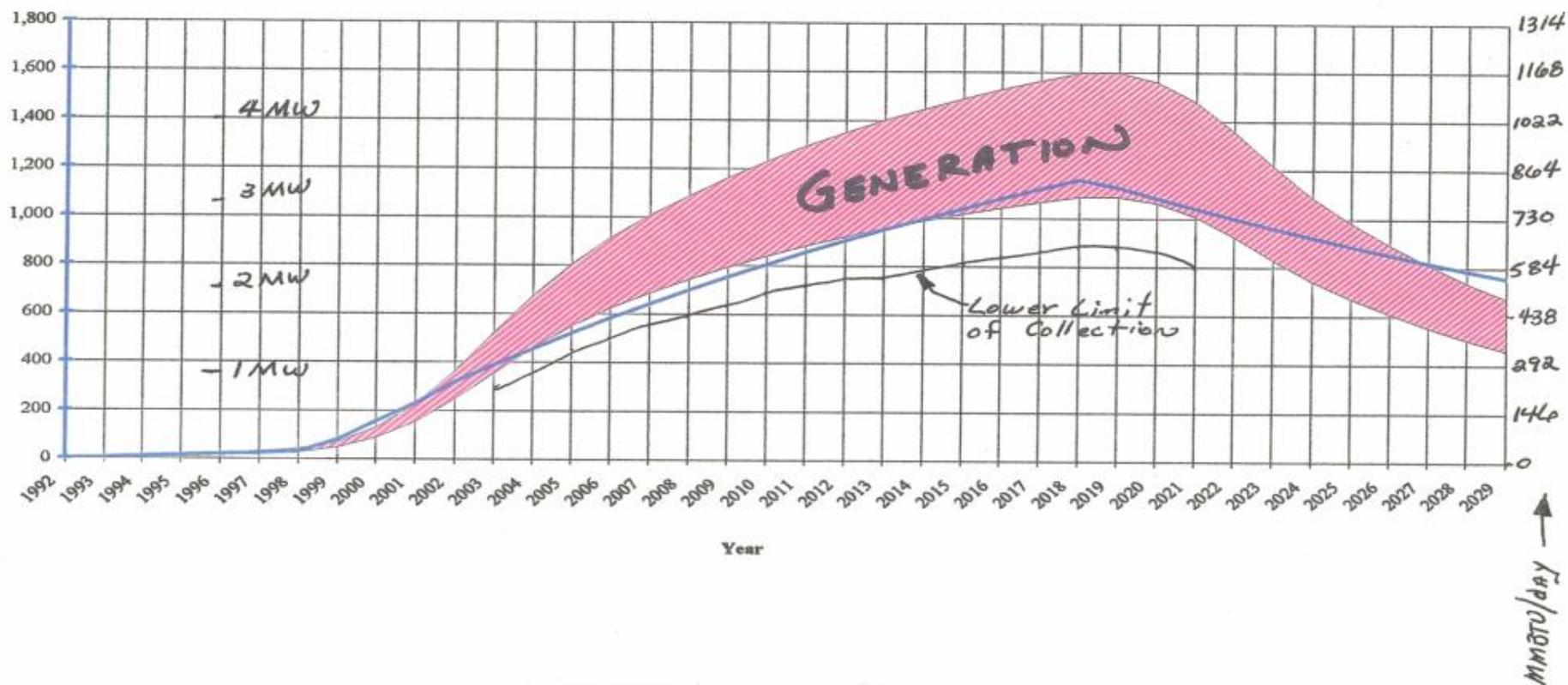


- Wells in Place - No
- Flare - No
- 2003 Model Estimation - 350 to 500 scfm
- 2018 Model Estimation - 1000 to 1600 scfm
- NSPS Applicable? - Yes, but tested out with Tier 2
- Section 29 Credits - No

Model Results



Acua Landfill
Landfill Gas Generation Rate



Analysis Completed



- Wellfield Conceptual Design
 - Cost = approx. \$800,000 for Phase 1 (cells 3 through 6)
- Meetings with Local Users
- Defined Available Grants and Subsidies
- Feasibility Study Completed

Potential End Users



- AE Stone
 - Asphalt plant uses 6,000 to 11,000 MMBTU's / month, for 8 to 9 months per year.
- FAA Tech Center
 - Research center uses 8,000 MMBTU's / month, year round for hot water.
- Absecon Industrial Park
 - Adjacent to LF property, current vacant, but inviting to industry with fuel nearby

Electrical Generation Opportunities



- NJBPU has grants for 40% of plant capital.
- Sell to Local Utility (Conectiv)
 - Interested in discussing green power pricing.
- Use 238,000 kW per month on-site by ACUA.
- Wheel to Absecon Industrial Park, no fee.
- Wheel to the South Jersey Publishing, fee.

Contact Information



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