Atlantic Waste Disposal

Prince George County
Board of Supervisors Monthly Meeting
February 28, 2017
Atlantic Waste Disposal
Current Working Theory ("The What")
Atlantic Waste Disposal
Odor Mitigation Timeline - 2015 through 2016

2015
- **January 2015**
  - Acquire gas rights on-site
  - Purchase two (2) portable, waterless deodorizer system
- **February 2015**
  - Completion of 30-acre temporary cap design
  - Construction of additional bio-filters
- **March 2015 through December 2015**
  - Installation of 30-acre temporary cap
  - Expansion of gas extraction system
  - Upgraded blower and motor on temporary flare
  - Purchase 5 portable deodorizer systems
  - Odor neutralizing system expansion #3
    - Add third pump
    - Add approximately 2,000 feet of hose (133 nozzles)
  - Installation of additional flare
  - Design of additional 60+-acres temporary synthetic cap

2016
- **January 2016 through November 2016**
  - Install 60+-acre temporary synthetic cap (Phase I and Phase II)
  - Install additional 30+-acre clay cap (Phase IV)
  - Gas system expansion – 102 gas collection wells (total of 395 devices)
  - Installed two (2) new permanent flares
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Odor Mitigation Timeline - 2017

2017
- January through December 2017
  - Install approximate 38-acre Phase IV temporary synthetic cap (top of landfill)
  - Install approximate 30-acre Phase III temporary synthetic cap
  - Gas system expansion - 26 new gas collection wells (total of 421 devices)
  - Install cap on other areas as needed
  - Begin operation of on-site wastewater treatment plant
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What’s Being Done to Understand and Prevent Reoccurrence?

Waste Management is a part of a joint working group through the Environmental Research and Education Foundation (EREF) to solve operational issues and gain a working knowledge of how to remediate, prevent and control these types of reactions in landfills.

https://erefdn.org/
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Questions-Discussion