

Clean Delaware, LLC

Case Study of Nonpoint Source
Pollution

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Classifications of Pollution

- Point source (PS) pollution is a single definable source of air, water, thermal, noise or light pollution.
- Nonpoint source (NPS) pollution from industrial and sewage treatment plants, comes from many diffuse sources. NPS pollution is caused by rainfall or snowmelt moving over and through the ground. Unlike PS pollution NPS doesn't come out of a pipe.

Clean Delaware, LLC

State Permit Number AGU 1702-S-03

- Authorization to Operate Land Treatment System for the Agricultural Utilization of Sludge and Waste Products
- Disposal of Lime Stabilized Septage, Holding Tank Waste, Wastewater Sludge from Wastewater Treatment Facilities, Brewery Waste and Dairy Product Waste.
- All Sludge and Waste Products Containing Pathogenic Agents Shall be Lime Stabilized.

Clean Delaware Business Model

- Environmental Pumping (Septic Tanks)
- Septic Repairs
- Grease Trap Pumping (Restaurants)
- Portable Toilet Rentals (Pumping)
- Over 20 Years in Business
- 3 Disposal Sites (Milton, Ellendale, Harbeson)
- 346 Acres (Less than 100 acres for Disposal)

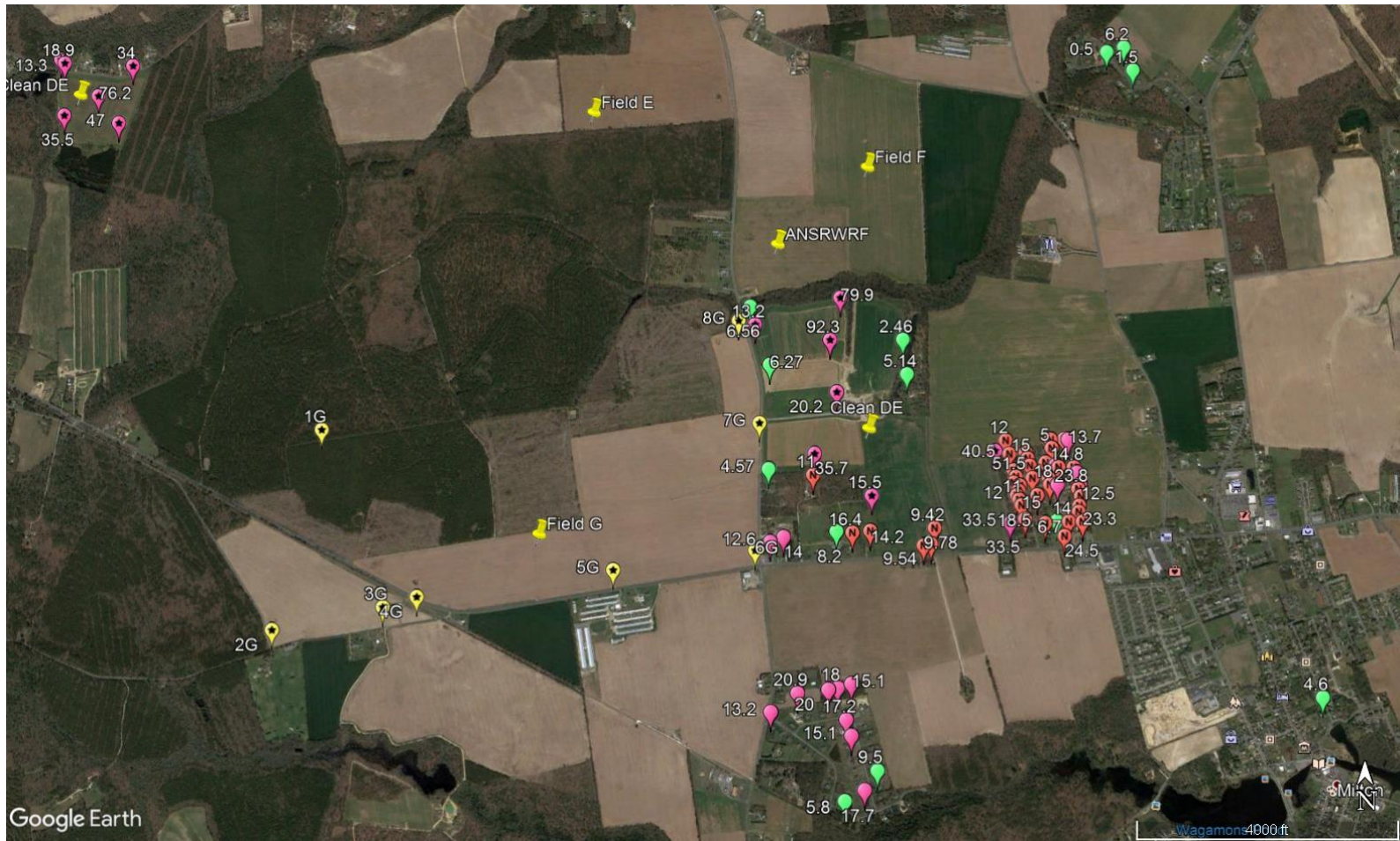
Commercial Customers

- Dogfish Head Brewery
- Restaurant Grease
- City of Lewes
- Perdue
- City of Selbyville
- JG Townsend
- City of Bridgeville
- Cedar Village

Amount of Residuals and Biosolids Land Applied Annually

• Septage	2,194,000 gal/yr
• Holding Tank Waste	42,600 gal/yr
• Grease Trap Waste	176,500 gal/yr
• Portable Toilet Waste	220,000 gal/yr
• Municipal & Biosolids	1,030,000 gal/yr
• Liquid Sludge/Treatment	183,284 gal/yr
• Non-Hazardous Waste	3,600,000 gal/yr
• Annual Total	7,446,384 gal/yr
• Daily Total	20,401 gal/day

Milton, DE



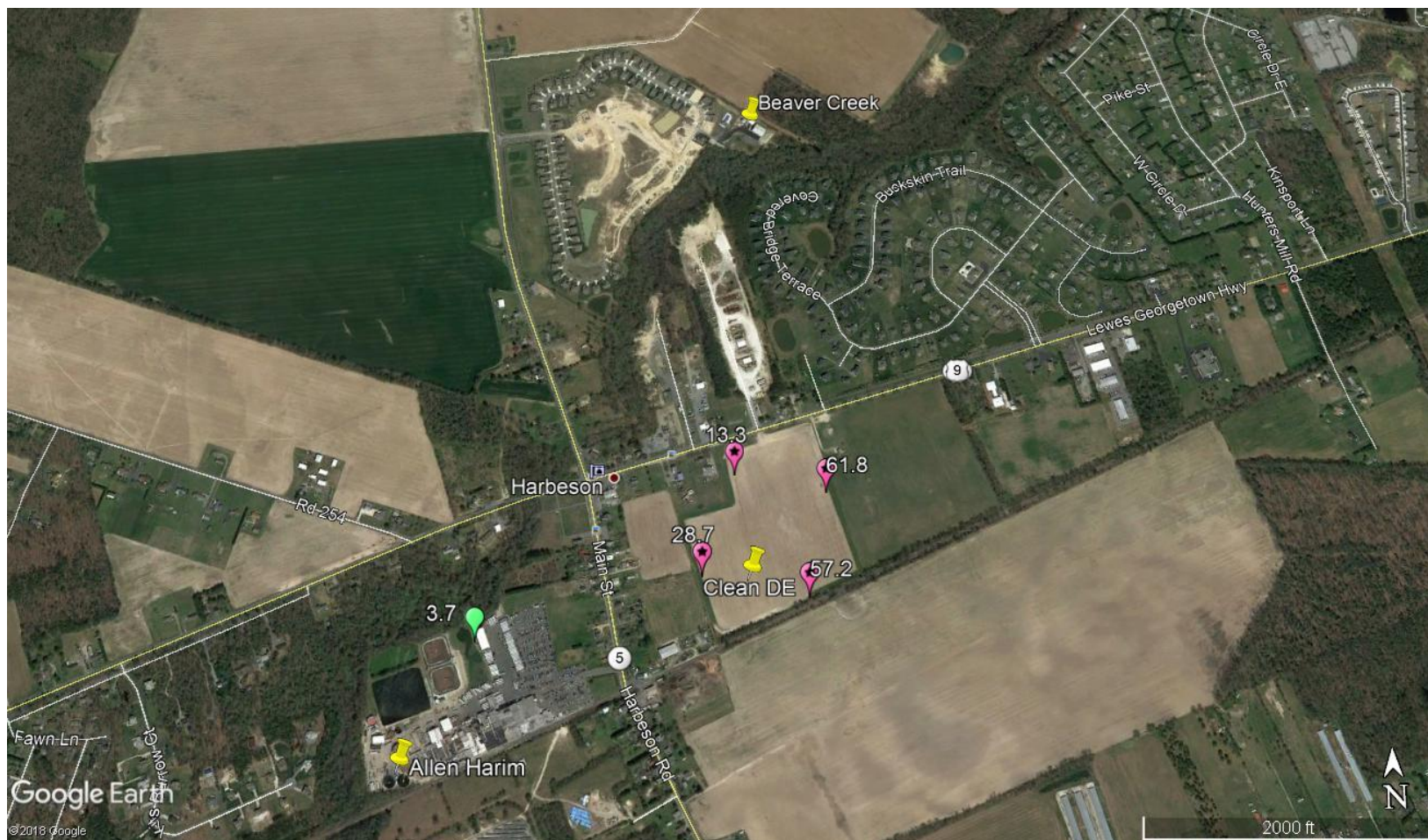
Clean Delaware LLC, Milton



Clean Delaware Ellendale, DE



Clean Delaware Harbeson, DE



Resources

- Atlantic Resource Management, Inc Renewal Application prepared for Clean Delaware, LLC 11/16/2016
- Delaware Department of Natural Resources and Environmental Control State Permit Number AGU 1702-S-03 12/30/2016
- Atlantic Resource management, Inc Monitoring Well Water Quality Sampling Clean Delaware, LLC Milton Farm 11/13/2013
- Clean Delaware Website 3/2018