

Region 3 GPRA Baseline RCRA Corrective Action Facility

Invista Seaford Plant

(Formerly: Dupont Seaford Nylon Plant)

**400 Woodland Road
Seaford, DE 19973-4399
Congressional District 1
EPA ID #: DED002348845
Last Updated: 09/26/2008**

Current Progress at the Site

The Seaford Site is currently in the remedy implementation stage of the corrective action process. The Statement of Basis describing the remedy at the facility was issued in April, 2006. DuPont has made extensive progress in controlling human health risks and investigating the nature and extent of contamination at the Seaford site. Following a comment period that extended from April 16 to May 15, 2006, DNREC issued a final corrective action decision for this facility on May 25, 2006.

The selected remedy at the Seaford Facility consists of the following items:

- SWMU 1: Sampling of well L-6D. Monitored natural attenuation of carbon tetrachloride in conjunction with institutional controls. The institutional control being a groundwater management zone around the limits of the carbon tetrachloride plume.
- SWMU 7/12/13: Sampling for arsenic in seven existing wells. Monitored natural attenuation of arsenic in conjunction with institutional controls. The institutional control being a groundwater management zone around the limits of the arsenic plume.
- SWMU 13/17: Installation of a protective soil cover over exposed solid waste. Completed October 30, 2006.

Investigations and other studies conducted to date include:

- 1st Annual Sampling, Analysis, Monitoring and Reporting (SAMR) Report, May 15, 2007
- Corrective Measures Implementation (CMI) Construction Completion Report, May 9, 2007
- Statement of Basis, 2006
- Focused Corrective Measures Report, 2005

- RCRA Facility Investigation Phase II Final Report, 2005
- Reports on Ash Pond Sampling and Analysis; DuPont Environmental Remediation Services 1998
- Phase I RCRA Facility Investigation, 1995
- Phase 1 Hydro-geologic Study; DuPont Environmental Remediation Services, 1993

Site Description

The Invista (formerly DuPont) Nylon Plant is a 750-acre manufacturing facility located in Seaford, Delaware. Invista manufactures textile nylon, bulk continuous fiber nylon, and staple nylon at the Seaford Plant. An on site coal burning power plant provides the facility with electricity.

The property is bordered by the Nanticoke River to the east and by the Pennsylvania Railroad to the north. Two branches of the Nanticoke River flow east along the facility's south and southwest property lines.

Site Responsibility

DNREC is the lead agency for the RCRA Corrective Action program at the DuPont Seaford facility; assistance provided by EPA Region 3.

Contaminants

Wastes generated include fly ash, corrosives, ignitable, spent halogenated solvents, and discarded commercial chemical products. Groundwater underlying Invista Seaford contains low levels of metals and volatile organic compounds and low pH. Metals are also present in the sediment of an on-site drainage ditch and in the sediment of the Nanticoke River down stream from the site. The primary metal of concern in groundwater and sediment is arsenic. The source of the arsenic is most likely coal ash generated by the site's power plant. DNREC has identified a coal pile adjacent to the power plant as the source of low groundwater pH. DuPont has identified an old landfill as the source of the volatile organic compounds.

Community Interaction

During remedy selection DNREC issued a public notice for a 30-day public comment period to review and comment on the "Statement of Basis" for the DuPont Seaford facility. The public comment period ran from April 16 to May 15, 2006; and allowed the community an opportunity to review the entire facility file and the proposed corrective measures for the site.

Institutional Controls

DNREC has included a requirement of a groundwater management zone beyond the footprints of the arsenic and carbon tetrachloride plume. The Memorandum of Agreement for the groundwater management zone between the Division of Air and Waste and the Division of Water Resources was signed and put in place in April 3, 2008.

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