

EXHIBIT 1

SITE DESCRIPTION AND BACKGROUND

SITE DESCRIPTION

The Pigeon Point Landfill is located at 1101 Lambson Lane, New Castle, Delaware 19720. **Appendix 4** includes maps of the site, which show ownership boundaries, the total area of solid waste placement, and the total area of the landfill site itself. The City of Wilmington (COW), the Delaware Solid Waste Authority (DSWA), and the Delaware River and Bay Authority (DRBA) are the current owners of parts of the Pigeon Point Landfill. Ownership documents are included in **Appendix 4**. It should be noted that the DRBA is presently in the process of conveying the landfill portions of its property to DSWA. **Appendix 5** contains all the deed restrictions for the Pigeon Point properties and also includes the Tri-Parte Agreement between COW, DSWA, and New Castle County.

BACKGROUND

The Landfill is at the site of a former dredge spoil disposal area. Landfilled areas are underlain by a varying 10 to 15 foot thickness of the spoil, which consists mainly of fine silts exhibiting low permeability. The total landfilled area is shown on drawing in **Appendix 6**. The total thickness of the refuse deposit varies from 40 to 60 feet.

The Landfill was operated by the City of Wilmington from 1968 to 1972 and then by New Castle County from 1972 to 1980. Records indicate that approximately 4,000,000 tons of solid waste was disposed of at the landfill during this period.

The DSWA assumed operation January 1, 1981 under DNREC Permit SW-80/12. The Authority operated the facility in accordance with this and subsequent DNREC permits (SW-81/09, SW-82/18, SW-83/22, SW-84/17), the State of Delaware Solid Waste Disposal Regulations, and with other applicable laws and regulations. This included but was not limited to, compaction of solid waste to a minimum of 1,000 lbs. per cubic yard;

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PIGEON POINT LANDFILL
1101 LAMBSONS LANE
NEW CASTLE, DE 19720

application of six inches of cover soil daily; application of final cover and vegetation of completed areas; operation of leachate collection systems; groundwater monitoring; stormwater management; litter control; screening of wastes to prevent non-approved wastes from being disposed of; and site security to control unauthorized access to the Landfill.

During the period of DSWA operations, approximately 2,000,000 tons of solid waste was landfilled. When the Landfill closed on October 21, 1985, it was estimated that, nearly 6,000,000 tons of solid waste was disposed of at the Pigeon Point Landfill over the period of its operation.

During DSWA operation, only non-hazardous solid waste was accepted for disposal. This waste was a combination of household waste, commercial waste, industrial waste (non-hazardous process waste), construction/demolition waste, and residue from the Delaware Reclamation Project (DRP). After the Landfill ceased operations, it was closed in accordance with Permit SW-84/17 and the Closure Plan dated October 1985 (see **Appendix 3**).