

Burnt Fly Bog

Texas & Spring Valley Roads

Marlboro Township Monmouth County

BLOCK: 146 **LOT:** Upland Area: 47
LOT: Tar Patch: 7
LOT: N. Wetlands: 8
LOT: W. Wetlands: Various

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SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Burnt Fly Bog site is located on a ground water discharge area of the Englishtown aquifer, where ground water flows to the surface and drains into Deep Run, a nearby creek. During the 1950s and 1960s, waste oil was stored in several unlined lagoons encompassing a 10-acre area of the property. The lagoon area became known as the "Uplands." Waste oil from the Uplands eventually contaminated other areas, which became known as the "Northerly Wetlands," the "Tar Patch," and the "Westerly Wetlands." In addition, adjacent to the Westerly Wetlands is the "Downstream Area," where contaminated sediments that migrated from upgradient areas had settled in a stream bed. While the entire Burnt Fly Bog encompasses about 1,700 acres, the areas of contamination are limited to approximately 60 noncontiguous acres. USEPA added Burnt Fly Bog to the National Priorities List of Superfund sites (NPL) in 1983. Later that year, NJDEP completed a Remedial Investigation and Feasibility Study (RI/FS) and issued a Record of Decision (ROD) with USEPA concurrence that required remediation of the Uplands. Between 1985 and 1989, NJDEP conducted several remedial actions in the Uplands including the removal of waste referred to as the "Asphalt Pile," removal of lagoon liquids, excavation and off-site disposal of approximately 85,000 tons of contaminated soil, stabilization of sludge and installation of a clay cap over the area. Remediation of the Uplands area was completed in 1992, after NJDEP removed about 700 tons of stockpiled PCB-contaminated soil and transported it off site for incineration.

In 1988, NJDEP issued a ROD with USEPA concurrence for the Westerly Wetlands. The ROD required the evaluation of innovative technologies to address the contaminated soils at this area, with interim measures to contain the contamination while the evaluations were being conducted. The interim measures included installation of a fence around the Westerly Wetlands, removal of contaminated soil and sediments from the Downstream Area, and the installation of a sedimentation basin to prevent contaminated sediments from the Westerly Wetlands and other areas from migrating off site. NJDEP completed excavation and off-site disposal of approximately 12,000 tons of contaminated soil and sediments from the Downstream Area and construction of the sedimentation basin in 1996. NJDEP is maintaining the sedimentation basin and sampling the surface water and sediments in Burnt Fly Brook, which receives water from the basin, on a regular basis. Access to the Westerly Wetlands is being prevented by a security fence that was installed pursuant to the 1988 ROD. In 1998, after completing a supplemental Feasibility Study for the site, USEPA signed a ROD with NJDEP concurrence for the Westerly Wetlands, Northerly Wetlands and the Tar Patch. The ROD required excavation and disposal of contaminated soil from the Northerly Wetlands and the Tar Patch followed by backfilling of these areas with clean materials and reestablishment of the wetlands, and no action for the Westerly Wetlands except for long-term biological sampling to monitor the impact of the contaminants on wildlife. NJDEP completed the Remedial Design for the cleanup action in 2002 and plans to begin excavating the contaminated soil in mid-2003.