



**DNREC-Site Investigation
and Restoration Branch**

**PUBLIC NOTICE
OF PUBLIC MEETING**

**REGARDING THE TECHNICAL REVIEW OF THE
PROPOSED REMEDIAL ACTION FOR THE DELA-
WARE NATIONAL/HERCULES GOLF COURSE
TECHNICAL ASSISTANCE SITE.**

The Site Investigation and Restoration Branch (SIRB), on behalf of the Department of Natural Resources and Environmental Control (DNREC or the Department), is providing technical assistance for the Delaware National Golf Course Technical Assistance Site (Site), also known as Hercules Golf Course, in Wilmington, Delaware under a Memorandum of Understanding (MOU) with New Castle County Government. The Site is located on Hercules Road, west of the Newport Gap Pike (State Route 41) and south of Lancaster Pike (State Route 48) in Wilmington, Delaware.

The Delaware National Golf Course is not a contaminated facility under the Hazardous Substance Cleanup Act (HSCA) because there is no information available that indicated the inappropriate application of fertilizers and pesticides. However, DNREC and New Castle County agreed that DNREC would determine whether the proposed remedial action meets the substantive requirements of HSCA in the interest of protecting public health and the environment.

The Site is comprised of two parcels totaling approximately 162 acres. The northern parcel (tax parcel # 08-026.00-052) is approximately 101 acres and has been used as a golf course since 1947. The southern parcel (# 08-033.00-001) is approximately 61 acres, and remains wooded and unoccupied. Toll Brothers, Inc. plans to construct approximately 160 single family residential units on a portion of the wooded property. Brightfields completed a Remedial Investigation (RI) which included the collection of soil, groundwater, sediment and surface water data on the property in November 2003. Brightfields supplemented the RI with additional field work concluding in April 2006. These investigations revealed that the contaminants of concern at the Site included pesticides (including chlordane, 4-4' DDE, heptachlor epoxide and dieldrin) and metals (including arsenic, lead, cadmium and mercury). The site investigations determined that arsenic had a high degree of correlation to elevated levels of pesticides associated with golf course greens and tees.

As specified in this MOU, the SIRB is providing technical assistance regarding a proposed remedial action (PRA) provided by Brightfields, Inc. Based on the evaluation of the site information, which includes current and past investigations and historical information, the PRA proposes that the following remedial actions be taken at the Site:

1. Soil containing arsenic concentrations greater than 37 mg/kg (See Figure 2) Will be excavated and removed offsite for proper disposal.
2. Soil with arsenic concentrations between 11 mg/kg and 37 mg/kg will be mechanically blended with the soil below it (containing the default background standard of 11 mg/kg or less) in a 1:1 blending ratio resulting in lower overall concentrations of residual contaminants. The soil blending process will result in soil suitable for construction without environmental restrictions because the resulting arsenic concentrations will be less than the default background standard of 11 mg/kg (See Figure 2).
3. Sediment materials with elevated pesticide concentrations in an existing drainage depression will be excavated and transported offsite for disposal (See Figure 2).
4. Post-remedial confirmatory samples will be collected to document that the remedial action objectives have been achieved by excavation and soil blending operations.

For further details regarding the PRA, a copy is available at the Hockessin Library or at the office of DNREC-SIRB, 391 Lukens Drive, New Castle, DE 19720. The PRA is also posted on DNREC-SIRB's website at <http://sirb.awm.dnrec.state.de.us> under the subject "Announcements." For site specific information, please go to DNREC's superfund site files database at <http://www.dnrec.state.de.us/dnrec2000/Divisions/AWM/sirb/sitefiles.asp>.

As part of the MOU with New Castle County Government, DNREC will facilitate the public comment period on this PRA. The public comment period begins on March 7, 2007 and will close on March 27, 2007. DNREC has scheduled a public meeting regarding the PRA for Tuesday, March 21, 2007 beginning at 6:00 p.m. at the offices of DNREC-SIRB, 391 Lukens Drive, New Castle, Delaware 19720. Written comments should be submitted to Stephen Johnson at DNREC-SIRB's address listed above. For additional information, please contact at Stephen Johnson (302) 395-2600.