

## **ENVIRONMENTAL CLEANUP PROGRAMS**

DEP manages contaminated surface water and groundwater by requiring or encouraging the remediation of contaminated sites through several environmental cleanup programs. While many components of these restoration programs remediate the land, they are inherently tied to groundwater and surface water. Simply stated, to remediate land is to remediate water quality. These restoration programs include:

- [Land Recycling Program \(a.k.a., 'Act 2'\)](#)
- [Storage Tank Corrective Action Program \(CAP\)](#)
- [Hazardous Sites Cleanup Program](#)
- [Superfund Program](#)
- [Department of Defense and State Memorandum of Agreement Program](#)
- [Resource Conservation and Recovery Act \(RCRA\) Corrective Action Program](#)

With DEP's Bureau of Environmental Cleanup and Brownfields, the Land Recycling Program develops and implements [Act 2 \(35 P.S. §§ 6026.101 et seq\)](#) regulations, remediation standards, and technical guidance; promotes redevelopment of brownfields; and provides technical expertise in the areas of risk assessment, statistical analysis, vapor intrusion, separate phase liquids and groundwater modeling. Through financial incentives, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

The Site Remediation Division in DEP's Bureau of Environmental Cleanup and Brownfields manages the corrective action program for releases of petroleum products and hazardous substances from storage tanks through the [Storage Tank Corrective Action Program](#). The division also manages the response program for releases of hazardous substances that fall under the state Hazardous Sites Cleanup Act through the [Hazardous Sites Cleanup Program](#), and for releases of hazardous substances that fall under the Federal Superfund law through a partnership with the EPA in the Federal [Superfund Program](#). The Site Remediation Division also provides regulatory oversight of federal facilities restoration through the [Department of Defense and State Memorandum of Agreement Program](#).

DEP's Bureau of Waste Management, Division of Hazardous Waste implements the [RCRA Corrective Action Program](#). In 2004, DEP and Region 3 of EPA entered into a Memorandum of Agreement that outlines a procedure where sites remediated according to Pennsylvania's Land Recycling Program may also satisfy requirements for three key federal laws: the Resource Conservation and Recovery Act (RCRA), the Comprehensive Environmental Response Compensation Liability Act (CERCLA or Superfund) and the Toxic Substances Control Act (TSCA). By opting into this program, a remediator/facility can be provided with a "one-stop shop" for state and federal standards guiding the cleanup of brownfield sites. Site owners or operators subject to RCRA Corrective Action (CA) may be able to satisfy federal RCRA obligations and obtain liability relief under Pennsylvania's Act 2 program. Progress of remediation can be interpolated by the metrics of each of these programs (Table 1).

**Table 1.** Overview of remediation program statistics.

<b>Program</b>	<b>Active Projects</b>	<b>Closed Projects</b>
Storage Tank Corrective Action	1,428	11,868
Land Recycling Program ('Act 2')	1,846	8,069
Hazardous Sites Cleanup	96	396
Federal Superfund	90	35
Formerly Used Defense Sites	8	—
RCRA Corrective Action <sup>1</sup>	45	342

<sup>1</sup> RCRA Corrective Action projects can have multiple outcomes in its progression towards closure; as such, utilizing the data for 387 sites, some form of completion has been attained at 342 sites in the CA process, with each potentially having additional work to obtain final site closure and still be considered an active project that has achieved specific milestones.