

Center for GIS at Towson University

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Client

Maryland Department of
the Environment

Project

Geospatial Web
Development and Hosting

Geospatial Database
Development



GIS Application Makes Hazardous Waste Cleanup Information Publicly Accessible and Useful

The Land Restoration Program (LRP), formerly the Environmental Restoration and Redevelopment Program, is one of two hazardous waste programs within Maryland Department of the Environment (MDE) Waste Management Administration. LRP focuses on cleaning up uncontrolled hazardous waste sites throughout Maryland.

In 2003 the Center for GIS at Towson University (CGIS) developed a Web-based mapping application for MDE's land restoration program that provides tools for searching, visualizing, and analyzing detailed LRP site information. In 2005 Maryland's Uniform Environmental Covenants Act (UECA) created renewed opportunity for collaboration between CGIS and MDE. UECA provides clear rules for the State to create a valid real estate document—an environmental covenant—that restricts the use of contaminated real estate and enforces controls, regardless of subsequent real estate transactions. The environmental covenants are recorded in local land records and are binding on successive owners of the properties. CGIS enhanced the mapping application built in 2003 to provide updated functionality and accommodate UECA guidelines.

