



EarthSoft Announces Vapor Intrusion EDD

Concord, MA – September 14, 2016; EarthSoft today announces the commercial release of a new Vapor Intrusion EDD developed in cooperation with several states, federal agencies and major consultants.

EarthSoft electronic data deliverables (EDDs) are the most widely used EDDs in the world. Several states, EPA Regions, industrials, and many consultants and labs, use these EDDs. The EQulS Data Processor (EDP) is then available to check these EDDs for proper formats and correct structure.

In 2006, the New York State Department of Health (NYSDOH) released Guidance for Evaluating Soil Vapor Intrusion in the State of New York: (https://www.health.ny.gov/environmental/investigations/soil_gas/svi_guidance/). Since 2008 EarthSoft has been working with the New York Department of Environmental Conservation (NYSDEC) and their consultants on implementing EQulS as an integral part of the NYSDEC Environmental Information Management System (EIMS). This work included expanding the EQulS database Schema to incorporate the collection and management of soil vapor intrusion data that was being collected based on the NYSDOH guidance.

Vapor Intrusion (VI) samples have unique information and collection methods that require different rules for handling and data management. Data tables are available to support building inspections, building parameters, and common VI data collection and sample QA/QC requirements. Specific tables for VI include data fields for building type, construction year, foundation type, foundation wall and floor material and thickness and other parameters. Data fields and tables include:

- Building Information
- Foundation Description
- Heating Ventilating and Air Conditioning
- Other Factors Affecting Indoor Air Quality Sampling
- Sampling Information and Conditions
- SUMMA Canister Information
- Sampling Method and Duration
- Sample QA/QC Reading

New York State Department of Environmental Conservation (NYSDEC), EPA Region 2, and other government agencies are using EarthSoft's VI EDD components as part of their agency EDD requirements. The NYSDEC EDD format contains a soil vapor intrusion module and the links to download the EDD format along with the NYSDEC EDD manual can be found at:

http://www.dec.ny.gov/docs/remediation_hudson_pdf/eddmanual.pdf



Chris Mickle, the Environmental Database Practice Lead with Cardno said, “We have worked with the NYSDEC and EarthSoft staff on this EDD structure, business rules, and data model, and think the industry will appreciate having a standard for capturing and managing soil vapor intrusion data collectively with their other site information and chemistry data.”

Dan Eaton, with the NYSDEC EIMS Team, said, “NYSDEC has been pleased to provide the soil vapor intrusion module in the NYSDEC EDD format to our data providers as an effective way to report this data.”

EarthSoft CEO Mitch Beard added “This is a good example of how EarthSoft collaborates with our clients and consultants to identify new types of environmental data that can be managed with EQulS. We will continue working with New York, other state agencies, and EPA to make sure this soil vapor intrusion module continues to meet screening level reporting requirements for protecting human health as these requirements continue to evolve.”

About EarthSoft: EarthSoft’s EQulS™ is the world’s most widely used environmental data management software. Please write info@earthsoft.com, or visit www.earthsoft.com, for further information.

About NYSDEC: NYSDEC’s Mission is “To conserve, improve and protect New York’s natural resources and environment and to prevent, abate and control water, land and air pollution, in order to enhance the health, safety and welfare of the people of the state and their overall economic and social well-being.” DEC’s goal is to achieve this mission through the simultaneous pursuit of environmental quality, public health, economic prosperity and social well-being, including environmental justice and the empowerment of individuals to participate in environmental decisions that affect their lives.

About Cardno: Cardno is a professional infrastructure and environmental services company, with specialist expertise in the development and improvement of physical and social infrastructure for communities around the world. Cardno’s team includes leading professionals who plan, design, manage and deliver sustainable projects and community programs through their areas of expertise including remote sensing, geospatial intelligence, business intelligence, data management, and analytics.