

“EDD”

Electronic Data Deliverable and Site Management

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What is an “EDD” ?

- **Electronic Data Deliverable (EDD)** – is simply an electronic tabular format for sharing, manipulating and using data.
- PDF images are not electronic data!
- Decisions can be made more correctly and faster when all data is available and provided in a consistent electronic format

RPMs, Hydros and Risk Assessors

- Site management decisions need to be made to protect human health and the environment
- The decisions are based on data
- Is there other data available that can be used in making that decision?
- Where does the data go?

Information sources for RPMs

- Reliance on contractors and PRP consultants for collecting, interpreting data and presenting it in reports – sometimes with figures.
 - What is the validity of the interpretation?
 - Can the RPM or hydro get the data to conduct an independent interpretation?
 - Can the data be shared with others?

Typical EPA data management



Typical Data Management

How quickly can an RPM, Risk assessor or “hydro” find a specific file?



Typical Data Management



EDD

- Any database system has no value until it has data in it to use.
- Getting data into a Regional EDD format **requires consistent effort until it's routine.**
- Some regions have made efforts support requirements to submit data in EDD format.

Electronic Data

- A consistent format for information
- The information is communicable easily
- All “terms” are identified and named consistently
 - TCE, Trichloroethene, Trichloroethylene

Electronic Data

- Can contain Geology, Chemistry, Geotechnical, and Biological Info.
- The key for effectiveness is locational data associated with sampling or measurement.
- EDD can easily be communicated with other RPMs, the Region, states, and other agencies.
- We all build knowledge based on the work and it is accessible in the future.

Administrative Accomplishments-

EPA Region 2

- EDD requirements are a standard item
 - USACE IA
 - USGS IA
 - RACS Contracts
 - Administrative Consent
 - Unilateral Orders
 - Pre-Remedial contractor (FY 2012?)
 - **ERT services with "Scribe"**
 - CLP lab data in EDD format

NYSDEC

NYSDEC selected EQuIS 5 as their EDD system in 2010 and has implemented a full, comprehensive “Roll-out” to require it’s use across the board. It is fully communicable with EPA’s system

Superfund

RCRA

Brownfields

Water

Linked to NYSDOH

Region 2 EDD Database Sept 2010

- 26 Sites with data uploaded
- 64 uploaded submittals
- 5 submitted, returned for corrections
- 18 Electronic Base Maps received in GIS format
- 740 monitoring wells with data uploaded
- 15,130 water samples uploaded
- Communicates easily w/ NYSDEC, R3, R5, and R4 EDD systems

Cost-Saving Benefits of EDD

- Each individual step in the superfund process adds to the same database
 - Pre-remedial assessment data is given to RACS contractor for RI\FS
 - Expanded database from RI\FS given to USACE contractor for Remedial Action
 - Expanded database given to LTRA contractor
 - Expanded database given to State after 10 yr. operating period.

Letter from EPA Regional Administrator to Senator Charles Schumer May 5, 2011

EPA Region 2 is advancing a number of strategies to help us better implement remedies by expanding the extent of available information regarding the contamination. First, we have begun an initiative to require facilities, such as the Navy and Northrop-Grumman, to use an electronic data deliverable system to submit groundwater data in a 3-dimensional electronic format. This will enable us to build our database of groundwater quality information on Long Island, thus improving our understanding of the extent and movement of groundwater contamination. We look forward to continuing our work on this strategy for both the Navy-Grumman study area as well as all of Nassau County. Second, we are working in conjunction

EQUS 5 Electronic Deliverables Database

Cost of not having EDD data

- Ellenville Scrap Yard Superfund Site – New RACS contractor has spent over \$100,000 to re-input historic sampling data, initial reports & recommended actions were not accepted by **RPM and “hydro”**
- Peninsula Blvd Superfund Site – New RACS contractor spent over \$50,000 to re-input historic data
- Both sites now have EDD format database

Costs of Not having EDD

- Lack of communications
- Incorrect business decisions
- Time consuming repeated data entry
- Mistakes in data entry
- Inability to get data to other agencies

Sample Site with EDD Chemical Insecticide Site

- Removals data unavailable
- Used R2 EDD for data submittal
- Data manager exported groundwater sampling data for use by Summer Intern to prepare trend analyses for 5 Year review
- Full well assessment completed with EDD assistance
- LTRA contractor provided EDD database for follow-up contract

Sample Site with EDD- Pohatcong Valley

- Full compliance by USACE contractor
 - OU-1 uploaded with base map
 - PRP Consultant – UAO required
 - Both datasets shared and exchanged
 - New OU-2 contractor provided with full EDD archives and maps
 - Zero cost to convert and use data for work-plan

EDD and GWF

- EDD was selected as a significant concern by GWF.
- GWF Work Group formed-
 - Andrew Schmidt Leader
- Finalize & Issue Fact Sheet – NARPM 2011
- “Locational Data” Fact Sheet

Ground Water Forum Fact Sheet



Electronic Data Deliverables: The Importance of Receiving Your Site and Project Data Electronically

What is an Electronic Data Deliverable (EDD)?

An EDD is a data file (or files), in a specified format, designed to transmit information electronically to another data user or recipient. The EDD may contain data that have been collected as part of an investigation or routine monitoring event requiring the generation of a report to a regulatory agency or agencies. It may contain such information as site or project-level maps, graphs, sampling data, analytical laboratory data, lithologic descriptions, and survey results. The data files are generally organized in a readily exportable format (e.g., tabular, dbf, xml) that allows the data user to easily import the information into a database or to quantitatively analyze the data independently.

Purpose of this Ground Water Forum Fact Sheet

EDDs are being used within the Superfund program and in some state cleanup programs. (See Fact Sheet Appendix for a listing.) The purpose of this fact sheet is to encourage even wider use of EDDs by explaining their importance and how to ensure that your site data are submitted electronically. The EDD Fact Sheet Appendix provides supplemental information on what to request in EDDs, how electronic data are shared, examples of data to submit electronically, and links to EDD guidance.

Data Management

Paper copies of data and reports ready for archiving



Without a dedicated EDD system involved, how much longer is EPA going to continue to rely on data and store it this way?

