

“EDD”

Electronic Data Deliverable
and Site Management

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GWF – Business Meeting

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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 and Hydros –

- 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 “Top Down” support.
- 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 2011?)
 - ERT services with "Scribe"
 - CLP lab data in EDD format

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.

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
- Draft Fact Sheet – Fall 2010
- Finalize & Issue Fact Sheet – NARPM 2011
- “Issue Paper”?
- “Locational Data” Fact Sheet

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?

