



Electronic Reporting Regulatory Proposal

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Electronic Reporting

- ◆ Presently, e-business and e-government projects are widespread, yielding better productivity and lower costs
- ◆ In the future, all government data collected and distributed electronically....
- ◆ “Huge locomotive” starting to leave the station
- ◆ CA on the successful forefront of e-government
- ◆ As of 2002 US EPA has 5 pilot projects



AB 2886 Success as of July 8, 2002

Total # Lab Records Submitted: > 2,150,000

Expected For 2002 > 4,000,000!

# OF SAMPLING POINTS WITH E-DATA	54,000
MW with Lab DATA	36,500
MW with Survey DATA	26,500
MW with elev. DATA	22,000
MW with DTW DATA	16,200
TOTAL # of UST SITES CLAIMED	7,500



Expected Benefits

- ◆ Enables easy exchange of information between the regulatory agencies, industry, and the public
- ◆ Builds an information network to integrate data-
Supports other programs
- ◆ Provides statewide access to permit, compliance, and enforcement actions- Integrated easy access
- ◆ Moves agencies and regulated businesses to electronic reporting- Improves data quality
- ◆ Allows analysis of previously unknown relationships- Better decisions



Regulation and Law

- ◆ AB 2886 (Statutes of 2000)
- ◆ Water Code Sections 13195 to 13198
- ◆ Article 12 (Sections 2729 and 2729.1) to Chapter 16, Division 3, Title 23, CCR
- ◆ 13198(c)
 - Notwithstanding any other provision of this article, the state board may require the electronic submission of reports for programs other than programs described in subdivision (a) of Section 13197.5 (reference to UST) in a format approved by the state board.



Electronic Submissions

- ◆ **For UST Program**
- ◆ **September 1, 2001 - Laboratory Data**
- ◆ **January 1, 2002 - Sample Information**
 - The latitude and longitude of groundwater wells accurate to within one meter,
 - The surveyed elevation, using geodetic datum, of well casing in monitoring wells sampled,
 - Groundwater information (DTW, FP, status),
 - Site map.



Requirements

- ◆ Laboratories prepare soil and water analytical results in specified Electronic Deliverable Format (EDF)
- ◆ RPs submit electronic laboratory. sample information, and locational data to SWRCB and hard copy reports to lead agency
- ◆ Lead Agencies match electronic submissions with receipt of hard copy reports, check field point names



What is SURVEY_XYZ?

- ◆ A format for electronic delivery of well location coordinates, elevation and groundwater measurement data
- ◆ Provides the geo-spatial coordinates for the GeoTracker System

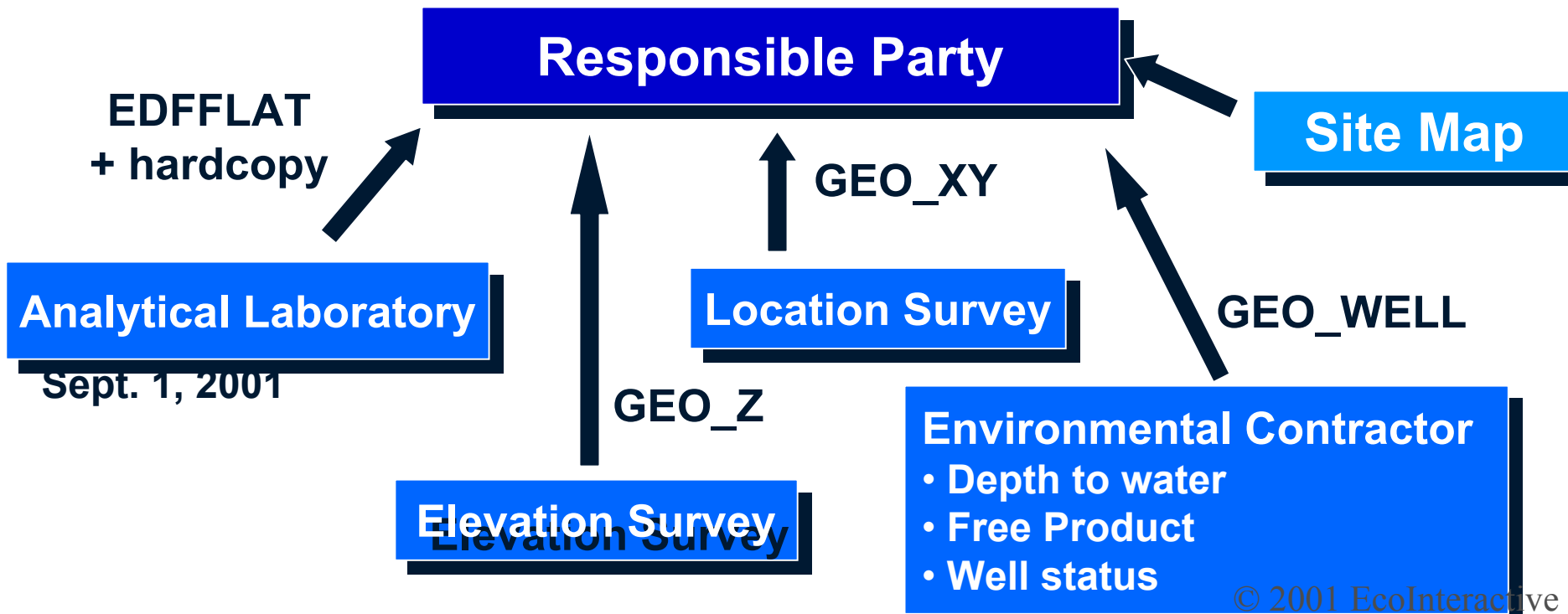


Potential RP Data Flow

- Submit EDD to GeoTracker
- Submit report to lead agency

Prepare hard copy report

- Data Interpretation





PROPOSED EXTENSION ELECTRONIC REPORTING REGULATIONS

- ◆ Electronic Reporting Regulation
 - Old - Article 12 (2729 and 2729), Title 23
 - New - Chapter 30, Title 23
- ◆ CUPA Data Dictionaries - Title 27
 - Old - Appendices in Division 1, Subdivision 4
 - New - Chapters 1,2, 3, 4, 5, 6, 7 in Division 3, Subdivision 1
- ◆ EDF & XYZ Data Dictionaries in Title 27
 - New Chapters in Division 3, Subdivision 2



AB2886 Coming Attractions - Programs

- ◆ UST Program (16,000)
 - Covered under existing regulation
- ◆ New Programs
 - Proposed under new extended regulation
 - AGT (200)
 - SLIC (1100)
 - DoD (1000)
 - Land Disposal (1000)



AB2886 Coming Attractions -

◆ Current Formats

- Laboratory Reporting format (EDF)
- Well & XYZ formats (simple spreadsheet)
- Map formats (PDF, other graphic)

◆ Proposed Data Requirements

- Well Construction format (simple spreadsheet)
- Remediation Effectiveness (simple spreadsheet)
- Boring Logs, Well Logs & Reports (PDF, other graphic)
- Unauthorized Release Info (Web forms)



Well Construction Details

- ◆ Information Requested
 - Screen depth and intervals
 - Total Depth
 - Casing Size
 - Depth to First Water
- ◆ Why?
 - Better Plume characterization
 - Hyrdogeologic evaluation
 - Improves Analytical interpretation

Remediation Effectiveness

◆ Information Required

- Remediation system type,
- system operation time frame
- Inflow/Outflow concentrations and volumes.

◆ Why?

- Provide stakeholder and Regulator access to this information
- Allows more informed decision making
- Wiser allocation of scarce remediation funding.



Unauthorized Release Form

For Reporting of Leaks or Releases

- ◆ Online Form for RPs
- ◆ Wizard driven
- ◆ Permitting Agency Reviews and Approves
- ◆ Added to GeoTracker System Automatically



Optional Online UST Permitting

- ◆ CUPA UST Permitting forms (A, B & C)
- ◆ Online Form for RPs
- ◆ Permitting Agency Reviews and Approves (printable or electronic version for CUPAs)
- ◆ Site Info Added to System Automatically



AB2886 Update

- ◆ Functional
 - EDF & XYZ Upload Pages
 - EDF Regulator Pages
- ◆ Waiting On Contracts to Implement
 - XYZ Regulator Pages
 - EDF & XYZ Data in Regulator Cases -
 - Public EDF and XYZ Info (maps)
 - Public Download Pages (data)



AB2886 Update

Optional RP Tables

◆ Validation Table

- Stand alone table for third party validation notes
- Can follow EPA Functional Guidelines

◆ Field Sample Table

- Sample Blinding Info
- Date, time, depths, matrix

◆ COC Table

- Electronic Chain of Custody Table
- Between Consultant and Lab only