



# ELECTRONIC SUBMISSION OF LABORATORY DATA AND SAMPLE INFORMATION FOR UST REPORTS

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# WHY

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- ◆ Assembly Bill 2886 (2000)
- ◆ Bring accurate and timely data about MTBE into centralized public database (GeoTracker)
- ◆ SWRCB to adopt emergency regulations concerning electronic submission of UST reports
- ◆ First attempt to get statewide submission of electronic data
- ◆ Applies to soil and water samples from UST sites



# WHO

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- ◆ Laboratories to prepare chemical analytical results in specified Electronic Deliverable Format (EDF) for soil and water samples
- ◆ RPs to submit electronic laboratory. sample information, and locational data to SWRCB in addition to regular hard copy reports sent to lead agency
- ◆ Lead Agency to match electronic lab submission with receipt of hard copy reports



# WHAT

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- ◆ Adds Article 12 (Sections 2729 and 2729.1) to Chapter 16, Division 3, Title 23, CCR
- ◆ Authority: Water Code Sections 13195 to 13198
- ◆ Requires:
  - Electronic submission of laboratory reports for soil and water samples
  - Locational and sample data



# Electronic Submission of Laboratory Reports - Beginning September 1, 2001

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- ◆ Electronic submittal of EDF laboratory data over the Internet shall be in addition to hard-copy laboratory reports...
- ◆ Generated by either COELT or other laboratory software.
- ◆ All data shall be checked for errors prior to submittal, using the EDCC software consistency checking tool.



# EDF

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- ◆ “EDF” is Electronic Deliverable Format developed for the United States Army Corps of Engineers.
- ◆ Data standard
- ◆ Set of relational database files
- ◆ Data components include:
  - the chain-of custody information,
  - laboratory results,
  - and quality assurance information.



# How Laboratories Produce and Report EDF Data

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- ◆ Laboratory exports data from their LIMS
- ◆ Data is converted into EDF1.2i upload format with
  - Laboratory LIMS software tools
  - COELT software provided by EDF Program
- ◆ EDD is verified with error checking tools
  - GeoTracker web tool
  - EDCC software provided by EDF Program
- ◆ Electronic EDF data is transferred to client with hard copy report



# Examples of EDF Contents

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## Analytical Results

- Laboratory Ids
- Analysis Date
- Preparation batch
- Results

## QA/QC data

- Control Limits
- Surrogates
- Blanks
- Spikes

## Chain-of-Custody Data

- Global ID
- Field Point Name
- Sample Ids
- Collection Date/Time
- Preservation





# EDCC Error Checking Program

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## Format Errors

- Fields submitted in incorrect order
- Incorrect valid values

## Logic Errors, such as...

- Analysis date prior to sample date
- Test without results

## Content Errors

- Detection limits greater than reporting limits



# Available Support For EDF

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- ◆ Guidelines & Restrictions- Documentation
- ◆ Laboratory Training- Ten (3-day) sessions state-wide
- ◆ Online Training and Tutorials
- ◆ Desktop Software Tools:
  - COELT- COE Loading Tool
  - EDCC- Electronic Deliverable Consistency Checker (also GeoTracker web version)
- ◆ Help Desk Support 1-800-506-3887



## LOCATION (XYZ) DATA - January 1, 2002

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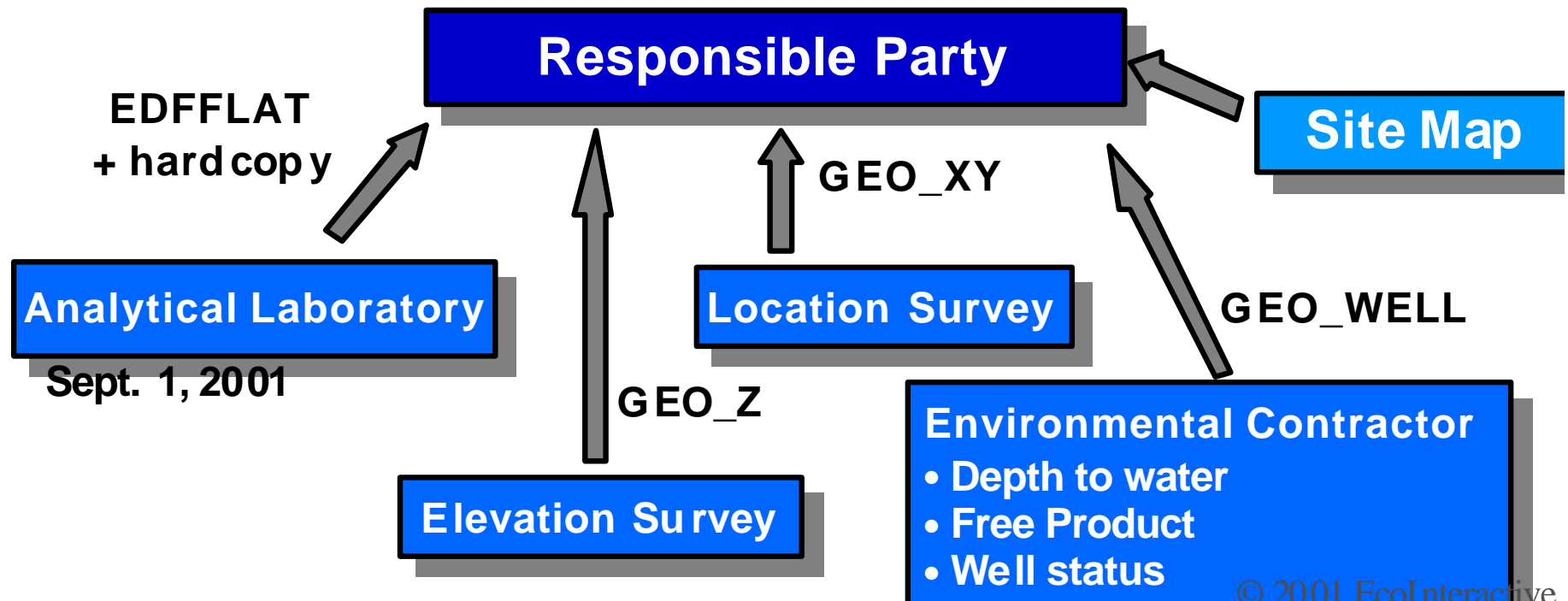
- ◆ Information about samples collected:
- ◆ The latitude and longitude of groundwater monitoring wells accurate to within one meter,
- ◆ The surveyed elevation, relative to mean sea level, of well casing in monitoring wells sampled,
- ◆ Groundwater information (DTW, FP, status),
- ◆ Site map for sample locations.
- ◆ Survey XYZ Guidelines and Restrictions
- ◆ Help Desk 1-800-506-9118



# Potential RP Data Flow

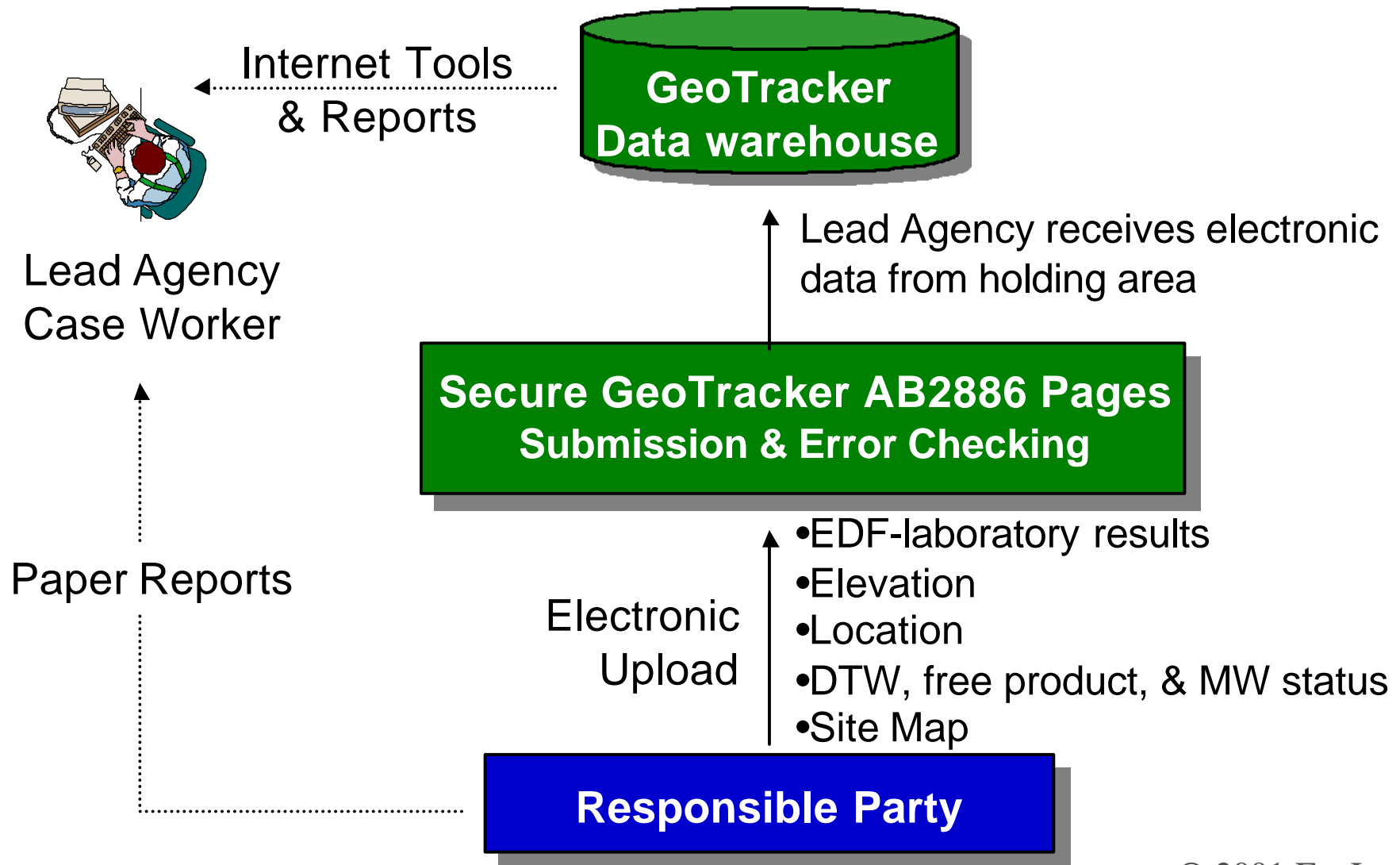
- Submit EDD to GeoTracker
- Submit report to lead agency

- Prepare hard copy report
- Data Interpretation





# AB2886 Data Flow





# WHO PAYS

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- ◆ Electronic Reporting Costs
  - Laboratory Analysis
  - Elevation Surveys
  - Depth to Water
  - Locational Surveys
- ◆ “The UST Clean Up Fund will pay for all costs that are reasonable, necessary,....and eligible.”



# TRAINING

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## ◆ RP/Consultant/Regulator Training

- Monday or Tuesday (Same each day)
- Morning 1/2 day overview -regulators, RPs, Consultants
- Afternoon - 2 Separate Sessions
- 1/2 day- EDF & GeoTracker - regulators
- 1/2day- Implementation review EDF/GeoTracker - RP/Consultants

## ◆ Laboratory Training

- Wednesday-Fridays, three-day Laboratory COELT/EDF training (only 10-15 people per week)



# TRAINING CLASSES

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- ◆ LAX - Sheraton Gateway
  - September 10 or 11, RP/Consultants/Regs
  - September 12-14, Labs
- ◆ Fresno - Sept 17 or 18, 19-21
- ◆ Riverside - Sept 24 or 25, 26 -28
- ◆ Sacramento - October 15 or 16, 17-20





# WEB PAGES

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- ◆ <http://www.swrcb.ca.gov>.
  - <http://www.swrcb.ca.gov/cwphome/ust/docs/ab2886/list.html>
  - Implementation section
  - Direct Link from main page, Emergency regulations
- ◆ SWRCB GeoTracker Database
  - <http://geotracker.swrcb.ca.gov/>
- ◆ Passwords and Login
  - <https://geotracker.swrcb.ca.gov/ab2886/>



## SUMMARY

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- ◆ WHY - AB 2886
- ◆ WHO - Labs, RPs, Lead Agencies, SWRCB
- ◆ WHAT - EDF lab reports, Sample Information
- ◆ WHERE - over Internet to SWRCB GeoTracker
- ◆ WHEN - Sept 1, 2001 lab data, January 1, 2002 locational data
- ◆ HELP - SWRCB Web Pages, Help desks



# QUESTIONS?

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# What Type of Data Must Be Electronically Reported?

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## AB2886 Electronic Data Deliverables

Begins September 1, 2001

- ◆ Laboratory Soil and Groundwater Sample Results

Begins January 1, 2002

- ◆ Sample Locations (latitude/longitude)
- ◆ Monitoring Well Elevation Data
- ◆ Groundwater Well Data (DTW, free product & status)
- ◆ Site Map



# Enforcement

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- ◆ The Cleanup Fund may not reimburse the costs of laboratory analysis performed after September 1, 2001 if they do not include EDF
- ◆ Lead Agency may refuse to sign off on proposed case closures
- ◆ Lead Agency may decline to review reports submitted without the EDF
- ◆ Lead Agency will take enforcement action, starting with informal actions such as phone call or letter.