



# ELECTRONIC SUBMISSION OF LABORATORY DATA FOR UST REPORTS

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# OVERVIEW

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- ◆ Why
- ◆ Who
- ◆ What
- ◆ Where
- ◆ When
- ◆ How Much
- ◆ Help



## 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 for soil and water samples
- ◆ Responsible Parties 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: EMERGENCY REGULATIONS

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- ◆ Three-step process:
  - 1) Emergency EDF regulations for UST reports,
  - 2) Final EDF regulations for UST reports and
  - 3) SWRCB report to the governor and legislature.



# 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 data for groundwater monitoring well samples
- ◆ Electronic submittal of data over the Internet shall be in addition to hard-copy reports



## WHAT: EDF

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- ◆ “EDF” is Electronic Deliverable Format developed for the United States Army Corps of Engineers.
- ◆ Data standard designed to facilitate the transfer of electronic data files from analytical laboratories to end-users.
- ◆ Set of relational database files related to one another through key fields.
- ◆ Data components include the chain-of custody information, laboratory results, and quality assurance information.



## WHAT: COELT

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- ◆ “COELT” is the Corps of Engineers Loading Tool program.
- ◆ Relational database application
- ◆ Places laboratory data into the standardized EDF.
- ◆ Accepts Laboratory Information Management System (LIMS) data or manually entered data.
- ◆ Includes a report utility that allows hard copy laboratory reports to be printed that match the actual electronic data.





## WHAT: EDCC

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- ◆ “EDCC” is the Electronic Deliverable Consistency Checker
- ◆ EDCC program must be run upon completion of an EDF report to produce an error report.
- ◆ Error report identifies problems within the given data set based upon the EDF database structure, guidelines and restrictions, and valid values.
- ◆ The error report indicates the nature of each problem, so that the laboratory can correct it.



# WHAT: Electronic Submission of Laboratory Reports

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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.



## WHAT: GROUNDWATER LOCATIONAL (XYZ) DATA

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- ◆ Location where the sample was collected:
  - 1) the latitude and longitude of groundwater monitoring wells accurate to within one meter, and
  - 2) the surveyed elevation, relative to mean sea level, of groundwater in monitoring wells sampled
  - 3) site map, well information



## WHERE

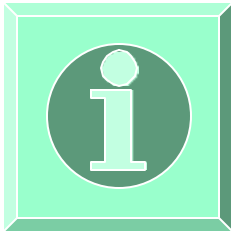
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- ◆ SWRCB GeoTracker Database
- ◆ <http://www.swrcb.ca.gov>.
  - <http://www.swrcb.ca.gov/cwphome/ust/docs/ab2886/list.html>
  - Direct Link from main page, Emergency regulations
- ◆ For info and programs: AB 2886 EDF/COELT
- ◆ For submittal: GeoTracker



[WWW.SWRCB.CA.GOV](http://WWW.SWRCB.CA.GOV)

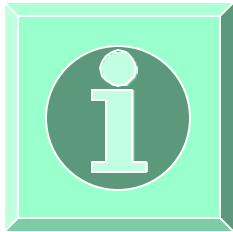
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# EDF Information Web page

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# WHEN

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- ◆ September 1, 2001---
  - Electronic Laboratory Reports
- ◆ January 1, 2002---
  - Sampled Groundwater Well locational XYZ data
- ◆ Electronic Submissions due when normal Hard Copy Reports submitted to Oversight Agency



# 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.”





# HELP!

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- ◆ SWRCB Website
- ◆ Help Desk Support
- ◆ Password authorization
- ◆ Training/Outreach Sessions
  - Clean up agencies
  - RPs/Consultants
  - Commercial Laboratories
- ◆ Michael W. Gjerde, Hamid Foolad, SWRCB
- ◆ ArsenaultLegg



## HELP: TRAINING

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



## HELP: TRAINING

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- ◆ Eight weeks scheduled
- ◆ Downtown LA - July 16-20 (Completed)
- ◆ San Jose - July 30-August 3
- ◆ Emeryville - August 6-10
- ◆ Sacramento - August 13-17
- ◆ San Diego - August 27-31
- ◆ LAX - Sept 10-14
- ◆ Fresno - Sept 17-21
- ◆ Riverside - Sept 24-28
- ◆ 2 Weeks unscheduled



## SUMMARY

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- ◆ WHY - AB 2886
- ◆ WHO - Labs, RPs, Lead Agencies, SWRCB
- ◆ WHAT - EDF lab reports, GW well locations
- ◆ WHERE - over Internet to SWRCB GeoTracker
- ◆ WHEN - Sept 1, 2001 lab data, January 1, 2002 locational data
- ◆ HELP - SWRCB, ArsenaultLegg



# QUESTIONS?

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## Emergency Regulations (EDF/COELT) AB 2886 Electronic Submission Laboratory Reports Underground Storage Tank Program

Any general questions, please contact  
[Michael W. Gjerde](#) at (916) 341-5682 or  
[Hamid Foolad](#) at (916) 341-5791

Specific questions regarding EDF and EDCC, please contact  
[edhelpdesk@arsenaultlegg.com](mailto:edhelpdesk@arsenaultlegg.com)  
1-800-506-3887

**In order to read some of the following links, you will need to  
download Winzip and Adobe Acrobat Reader.**

[Click Icon to Download Winzip.](#)





[Click Icon to Download Adobe Acrobat](#)



**Updated July 26, 2001**

### Emergency Regulations & Law

- Law - Chapter 727 of 2000 - [HTML](#) - 36240 bytes
- Law - Chapter 727 of 2000 - [PDF](#) - 39461 bytes
- [Text of Regulations \(EDF/COELT\)](#)
- [Revised Final SWRCB \(Board\) Resolution for the Emergency Regulations](#)
- [Notice of Emergency Findings](#)
-  These have been updated to clarify the field name needed for identifying samples from LOCID to FIELD\_Pt\_name
  - [Electronic Deliverable Format \(Data Dictionary\) 2001 Version 1.2i](#) - (PDF - 865 KB)
  - [Guidelines and Restrictions for Electronic Deliverable Format Version 1.2i](#) - (PDF - 303 KB)
-  **Programs to help create EDF/COELT formatted laboratory reports**  
*This new patch includes all the fixes in the previous 2 patches, plus the new fix for the I/O error.*