



UST Program Requirements Electronic Submittals

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What is EDF?

- ◆ EDF = Electronic Deliverable Format
- ◆ An electronic version of a laboratory report
- ◆ Data is formatted for ease of use by multiple parties
- ◆ Provides a consistent level of quality



Examples of EDF Contents

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 - Electronic Data Consistency Checker

- ◆ EDCC is available as software for a PC and is also accessible via the Web at the GeoTracker site
- ◆ EDCC - PC version checks for all laboratory generated content
- ◆ EDCC - Web version checks for all laboratory generated content plus Global IDs and Field Point Names
- ◆ **By Law, each EDF must pass the EDCC checker to be an official submission.**



EDCC - Checks

- ◆ **Format Errors**
 - Fields submitted in the incorrect order
 - Incorrect valid values
- ◆ **Logic Errors**
 - Analysis Date prior to Sample Date
 - Test without results
- ◆ **Content Errors**
 - Detection limits greater than reporting limits



How EDF Works

- ◆ Laboratory exports data from their Laboratory Information Management System (LIMS)
- ◆ Data is converted into EDF 1.2i format using either tools developed by the laboratory or tools provided by the EDF Program
- ◆ Data checked with EDCC checker
- ◆ Data is then transferred to the client with an associated hard copy report



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



Location Information

- ◆ One-time submittal
- ◆ Latitude/Longitude data (in decimal degrees, to 7 decimal points)
- ◆ Measure 1 meter accuracy or better
- ◆ Determined with at least Third Order methods using a minimum of 2 geodetic control points from the California Spatial Reference System-Horizontal (CSRS-H)
- ◆ Submission will be based upon Global ID and Field Point Name plus meta data



Elevation Information

- ◆ Periodic submittal
- ◆ From top of casing
- ◆ Measure to +/- 0.01 Foot On-Site Accuracy (relative intersite well elevations elevations)
- ◆ The absolute elevation, the value referenced to a vertical datum will usually exceed 0.01 ft (primarily due to the distance to valid benchmark(s) and the methods used to bring elevation on site)
- ◆ Submission will be based upon Global ID and Field Point Name



Depth to Groundwater

- ◆ Submit each time a well is sampled
- ◆ From top of well casing:
 - Floating product surface
 - Groundwater surface
- ◆ Measure to +/-0.01 foot accuracy
- ◆ Submission will be based upon Global ID and Field Point Name



Site Map

- ◆ Periodic submittal
- ◆ Site Map-
 - groundwater well locations,
 - boreholes
 - transient sampling points (i.e. direct push...)
 - other field points utilized for sampling
 - locations of underground storage tanks
 - former underground storage tanks
 - dispenser islands
 - buildings
 - roads
- ◆ File type- gif, tiff, jpeg or pdf
- ◆ Submission will be based upon Global ID



Web Pages

- ◆ SWRCB - <http://www.swrcb.ca.gov>.
- ◆ SWRCB GeoTracker Database
 - <http://geotracker.swrcb.ca.gov/>
- ◆ Electronic Reporting Information
 - <http://www.swrcb.ca.gov/cwphome/ust/docs/ab2886/index.html>
- ◆ Passwords and Login - RPs/Consultants
 - <https://geotracker.swrcb.ca.gov/ab2886/>
- ◆ Passwords and Login - Regulators
 - <https://geotracker.swrcb.ca.gov/regulators/>