



EPA Region 2 Electronic Data Deliverables (EDDs) and EQulS[®] Data Processor

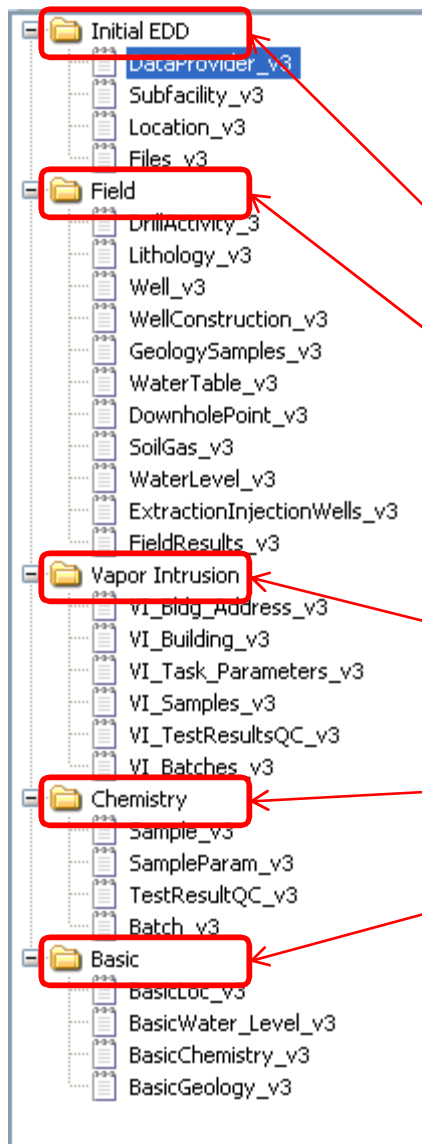


What is the EPA Region 2 Format?

The EPA Region 2 format contains multiple groups and sections:

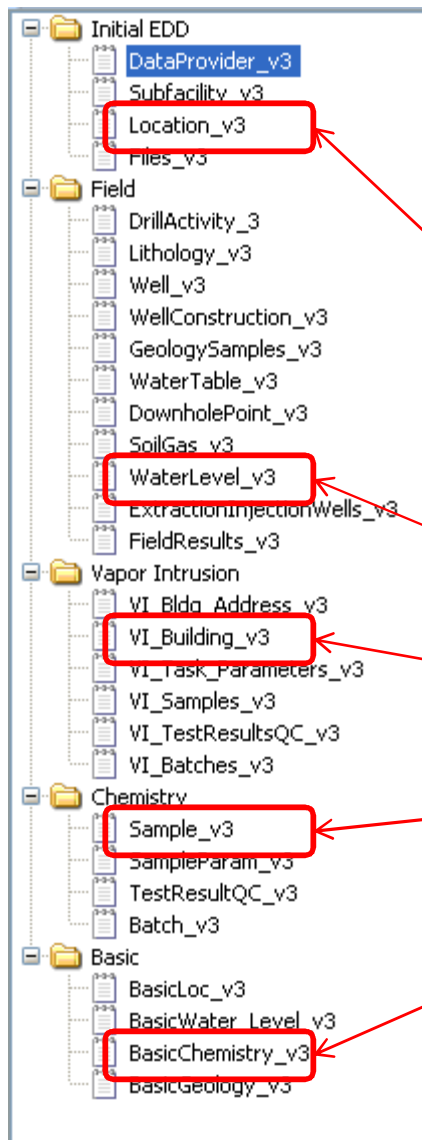
- Groups: Initial EDD, Field, Vapor Intrusion, Chemistry, Basic
- Sections within a group: Locations_v3, Waterlevel_v3, Sample_v3

What is the EPA Region 2 Format?



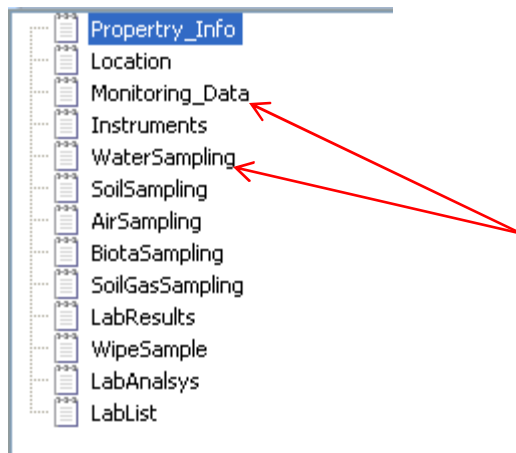
Groups

What is the EPA Region 2 Format?



Sections

How do I enter SCRIBE data?



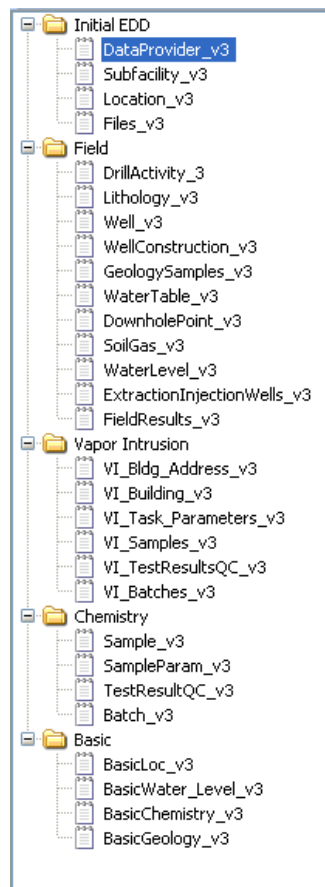
SCRIBE format only has Sections. No Groupings have been created.

Email format requests to:
Region2_equisedd@epa.gov

What's new in the EPA Region 2 Format Version 3?

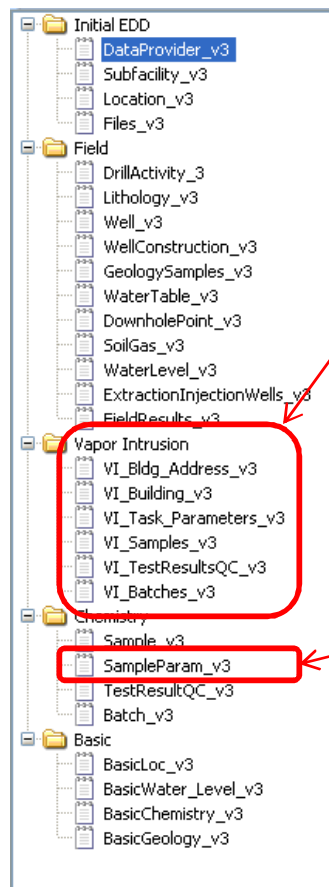
- Common names for sections
- Rearranged sections
- New Group: Vapor Intrusion
- New Section: Sample Parameters
- Removed similar TestResult section
- Added miscellaneous fields
- Added or modified conditional checks

What's new in the EPA Region 2 Format Version 3?



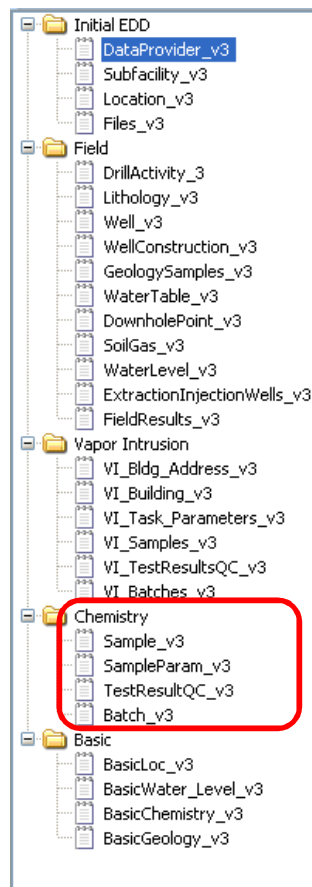
- **Common names for sections. Easier to read and understand.**
- **Rearranged Groups\Sections to be consistent with the reporting requirements.**
- **Renamed Lab Group to Chemistry.**

What's new in the EPA Region 2 Format Version 3?



- **Added Vapor Intrusion Group.** Allows reporting building specific data.
- **Added SampleParameter section.** Allows reporting of data associated with the sample such as color, smell, fish sex, length, & weight.

What's new in the EPA Region 2 Format Version 3?

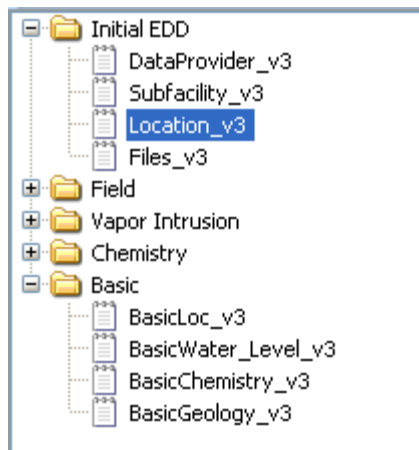


Removed TestResult section and kept the TestResultQC section.

This will eliminate confusion over which section to report. These section are identical for the first 49 columns.

TestResult section will load into the TestResultQC.

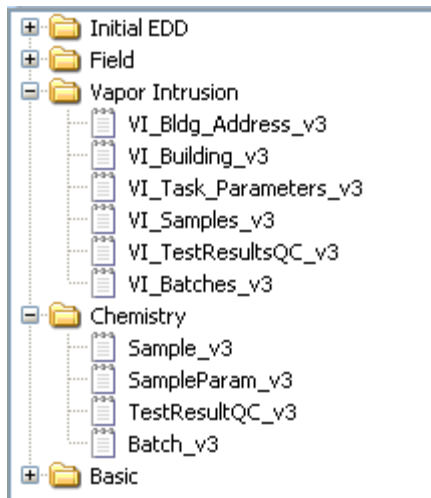
What's new in the EPA Region 2 Format Version 3?



Location and BasicLoc Sections

- **Stream_mile and stream_code** were added to the **Location** and **BasicLoc** sections.
- **Added '8' to the drop down list for Horizontal Accuracy Unit.**
8 = Unknown

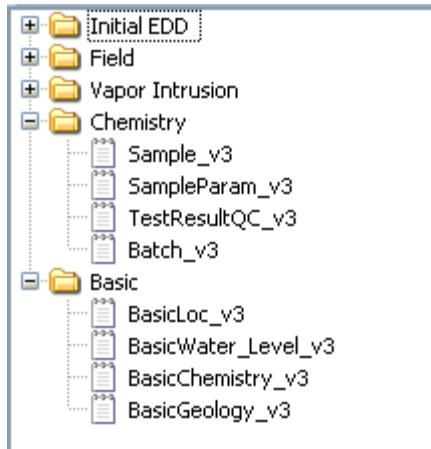
What's new in the EPA Region 2 Format Version 3?



TestResultQC Section

- **Column_number** is required and part of the primary key.
- **Added lab_SDG.**

What's new in the EPA Region 2 Format Version 3?

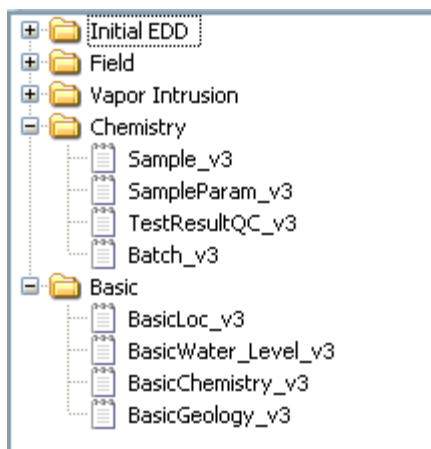


TestResultsQC, BasicChemistry Sections

- Increased lab_sample_id to 40 characters.
- Added descriptions for Quantitation_limit and method_detection_limit.

What's new in the EPA Region 2 Format Version 3?

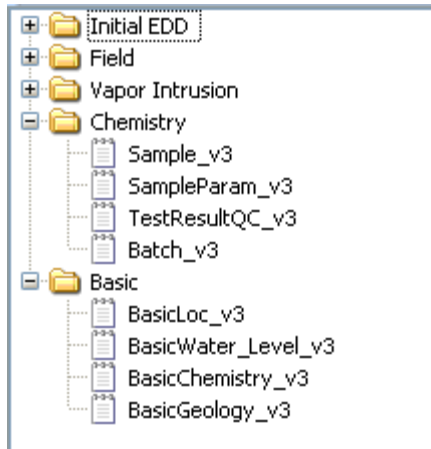
TestResultQC, BasicChemistry Sections



- **Removed the Organic_yn column.**
- **Validated_yn was added as a required column, after the interpreted_qualifiers column.**

detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	method_detection_limit	reporting
				N		

What's new in the EPA Region 2 Format Version 3?



Sample, BasicChemistry Sections

- Increased the length of **sample_name** to 50 characters
- Increased the length of **task_code** to 40 characters

What is the EQulS Data Processor (EDP) Software?

A **free tool** provided by EPA Region 2 for checking EDD's for compliance.

EPA Region 2 has provided a web page with multiple resources to assist:

<http://www.epa.gov/region02/superfund/medd.htm>

How do I get a copy of EDP?

Download EDP Software:

<http://www.epa.gov/region02/superfund/medd.htm>

Documentation link

EDP download link

DATA SUBMISSION AND VALIDATION:

[Electronic Data Processor \(EDP\) User's Guide](#)

[Electronic Data Processor](#)

The above link allows for the download of the Electronic Data Processor (EDP), software created by EarthSoft, which allows for third-party checking of data sets prior to submittal to EPA Region 2. Because this software was created by a third-party software developer, the above link will direct you out of the EPA Region 2 website. EDP questions should be directed as described below.

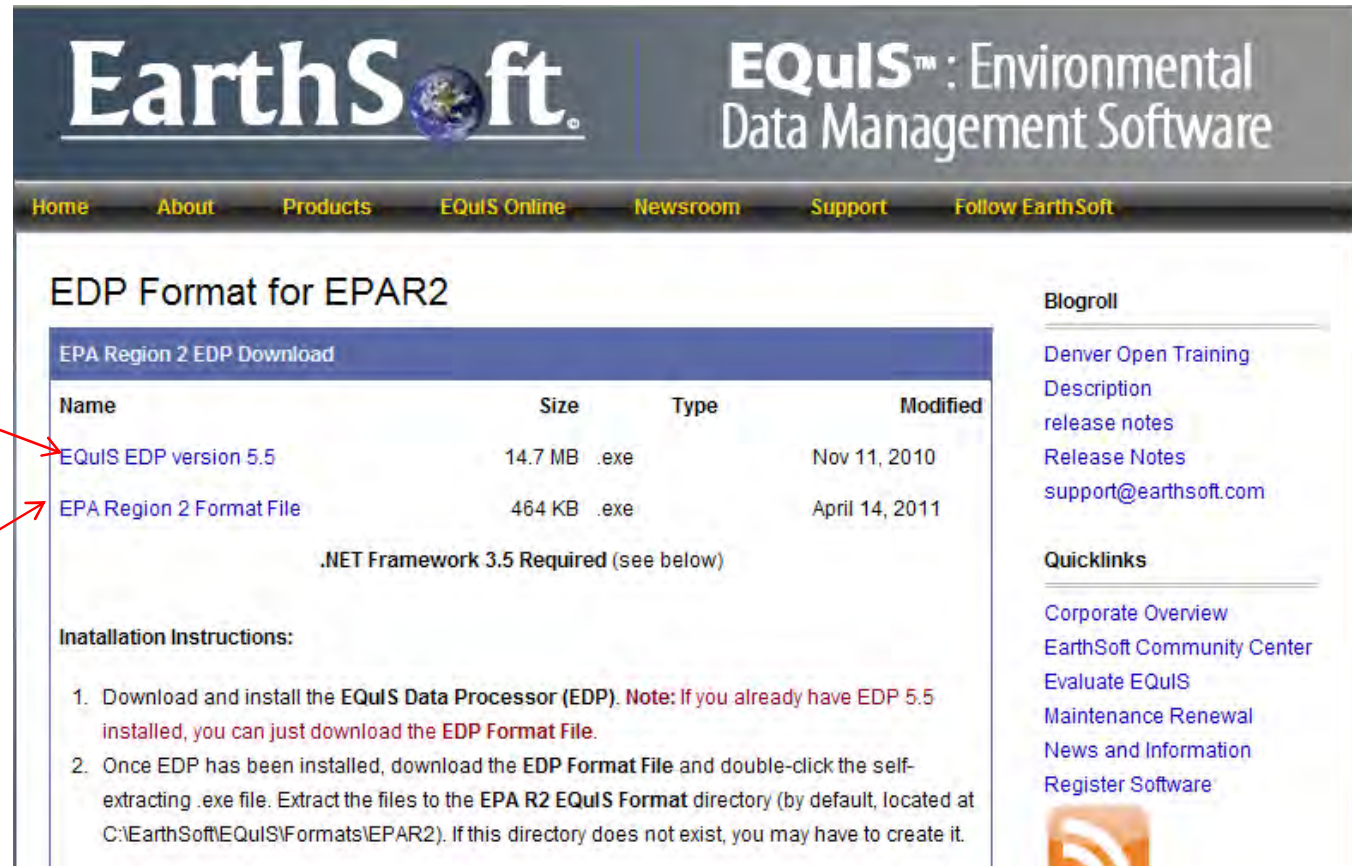
EPA Region 2 EDD Templates

The above link allows for the download of templates in Microsoft Excel and Access to aid in the preparation of data submittals in the Region 2 implementation of EDD formats.

What is EDP?

EDP
Download

Format and
Reference
values
Download



EarthSoft **EQulS™ : Environmental Data Management Software**

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EDP Format for EPAR2

EPA Region 2 EDP Download

Name	Size	Type	Modified
EQulS EDP version 5.5	14.7 MB	.exe	Nov 11, 2010
EPA Region 2 Format File	464 KB	.exe	April 14, 2011

.NET Framework 3.5 Required (see below)

Installation Instructions:

1. Download and install the **EQulS Data Processor (EDP)**. **Note: If you already have EDP 5.5 installed, you can just download the EDP Format File.**
2. Once EDP has been installed, download the EDP Format File and double-click the self-extracting .exe file. Extract the files to the **EPA R2 EQulS Format** directory (by default, located at C:\EarthSoft\EQulS\Formats\EPAR2). If this directory does not exist, you may have to create it.

Blogroll

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- [Description](#)
- [release notes](#)
- [Release Notes](#)
- [support@earthsoft.com](#)

Quicklinks

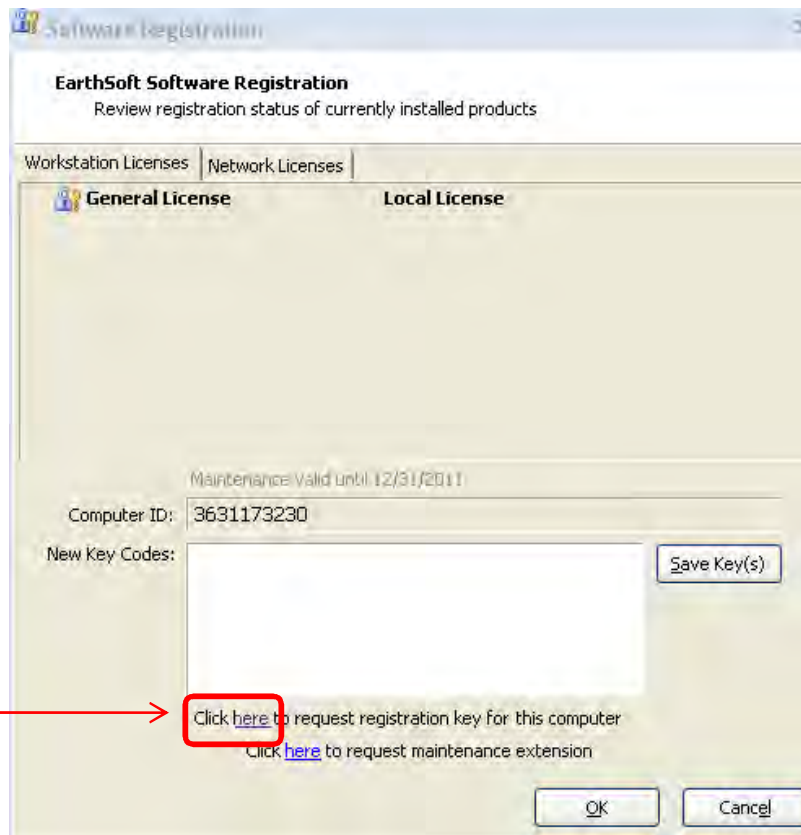
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- [EarthSoft Community Center](#)
- [Evaluate EQulS](#)
- [Maintenance Renewal](#)
- [News and Information](#)
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What is EDP?

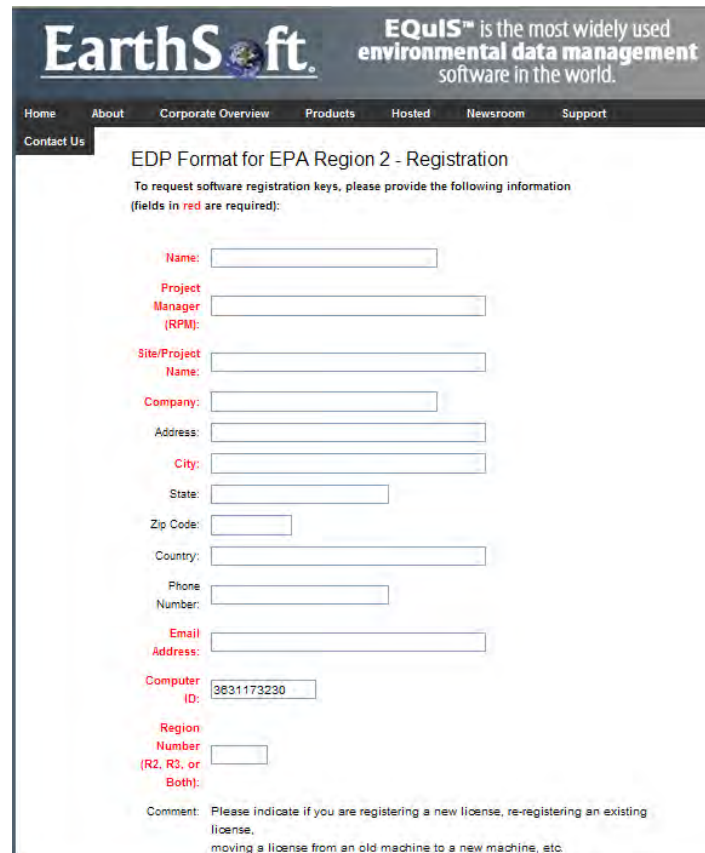
First time the EDP is run, a registration screen will prompt for registration key.

Click here to register.



What is EDP?

Fill out required fields and submit. A key will be emailed once EPA Region 2 approves.

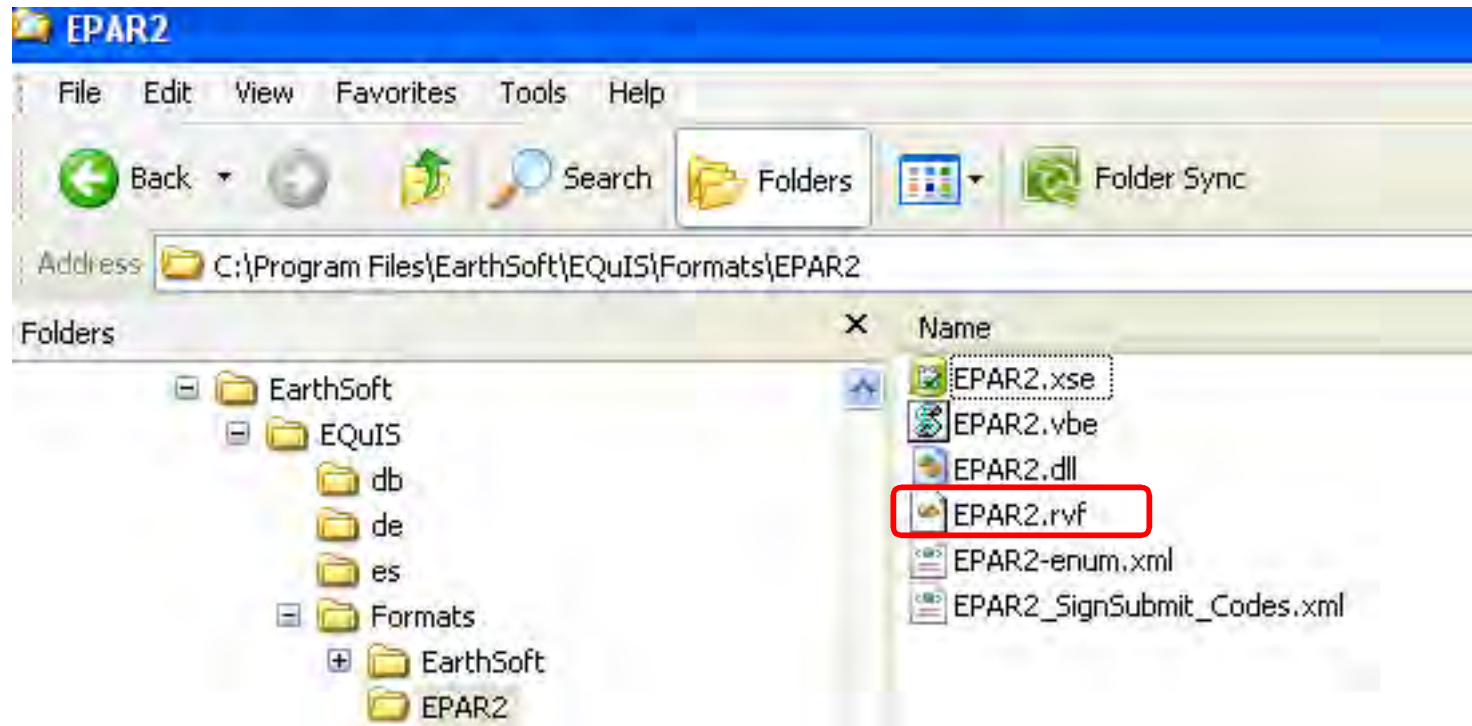


The screenshot shows the EarthSoft website header with the logo and tagline "EQuIS™ is the most widely used environmental data management software in the world." Below the header is a navigation menu with links: Home, About, Corporate Overview, Products, Hosted, Newsroom, and Support. A "Contact Us" link is also present. The main content area is titled "EDP Format for EPA Region 2 - Registration" and includes a sub-header: "To request software registration keys, please provide the following information (fields in red are required):". The form contains the following fields:

- Name:
- Project Manager (RPM):
- Site/Project Name:
- Company:
- Address:
- City:
- State:
- Zip Code:
- Country:
- Phone Number:
- Email Address:
- Computer ID:
- Region Number (R2, R3, or Both):

At the bottom of the form, there is a "Comment" field with a placeholder text: "Please indicate if you are registering a new license, re-registering an existing license, moving a license from an old machine to a new machine, etc."

How do I update the format and reference values files?



How do I request new reference values?

[Valid Values Tables Reference Manual](#) [PDF 1.2 MB, 294 pp.] | [Valid Values Spreadsheet](#)

~~The above link allows for the download of Valid Value Reference Manual or spreadsheet, which are required for a number of the fields that make up the EDD format. Updates to these reference tables will be performed so as to include any new values which submitters identify as needed and will be identified as UPDATED.~~

To request the addition of a value to the Valid Values Reference Manual, an e-mail should be sent to the contacts given at the bottom of this page. Requests must include the name of the field for which the value is needed, the proposed value name, a detailed description of the value, and the reasoning as to why the value is needed. To avoid redundancy, please check the current **Valid Values Reference Manual** thoroughly to be sure that the value you are requesting is not already included in the tables.

- Check sources for existing synonyms or variations.
- Fill out Request form.
- Email form to: Region2_equisedd@epa.gov.

How do I request new reference values?

EPA United States Environmental Protection Agency

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Electronic Data Deliverable (EDD)

In an effort to streamline the electronic submittal of environmental sampling data, the Superfund Program in EPA Region 2 has adopted a standardized electronic data deliverable (EDD) format that is being required for all new and historical data submitted to the region. The format is based on the Electronic Data Deliverable, or EDD format, which is being adopted by other EPA regions and various states around the country. By employing the EDD, EPA can regiment how data is transmitted to better facilitate data review and decision making.

Below are a number of files which can be downloaded to assist data providers in preparing the EPA Region 2 implementation of EDD.

INSTRUCTION MANUALS

[Comprehensive EDD Specification Manual](#) [PDF 824K, 81 pp]
The above link allows for the download of the Comprehensive Electronic Data Deliverable Specification Manual, which explains the systematic implementation of EDD within EPA

Related Information

- [National Environmental Methods Index - NEMI](#) is a free, searchable clearinghouse of methods and procedures for both regulatory and non-regulatory monitoring purposes for water, sediment, air and tissues.
- [Chemical name finder](#)
- [Online Form for Requesting New Valid Values](#)
- [Video instruction on converting CLP EDD files to EPA R2 format](#)
- [FAQ](#)

<http://www.epa.gov/region02/superfund/medd.htm>

How do I request new reference values?

**Environmental Protection Agency
EDD Valid Values Reference Manual
Cas Number/Analytical Method / Prep Method Request form**

Site Information			
Company Name:		Company ID:	
Project Manager:		Contact Name:	
Contact E-mail:		Contact Phone:	
Street Address:			
City:	State:	Zip:	Country:
Comment:			

Request to Add Cas Number Or Analyte (Table A-15)		
Data Provider		Data Provider Phone:
Data Provider E-mail:		
Laboratory Name:		
Cas Number:	Chemical Name	Verify?

Region2_equisedd@epa.gov

How do I handle locations without coordinates?

All location data must be submitted with coordinates.

Horizontal Collection Method

- Review descriptions for Horizontal Collection Method codes.
- Codes allow for a broad range of interpolation methods
- Code 027 = Unknown

Horizontal Accuracy Units

- 8 = Unknown

Horizontal Datum

- U = Unknown, O = Other

What are unique location codes?

Locations must be unique within Facilities:

- Comprehensive Manual contains detailed descriptions on Facility, Sites and Locations.
- Each Facility can have only one, i.e. MW-I, SB-I, etc.
- Contact EPA Project Manager for existing naming conventions if project is not a new project.
- EPA Project Managers can provide a spreadsheet with existing locations and their coordinates.
- QC samples such as trip blanks should not have a location code (sys_loc_code)

What are unique sample codes?

Samples codes must be unique within Facilities.

- Each sample taken must have a unique code.
- Unique sample codes are often created by concatenating location codes, sample date and depth.
- Sample codes should not = location codes.
- Trip blank and equipment blanks should have sample_type codes = TB and EB.
- QC samples such as trip blanks and equipment blanks must also have unique sample codes.
 - Example: TB-20110430, EB-20110430

Site Specific Action Levels New Reporting Requirements

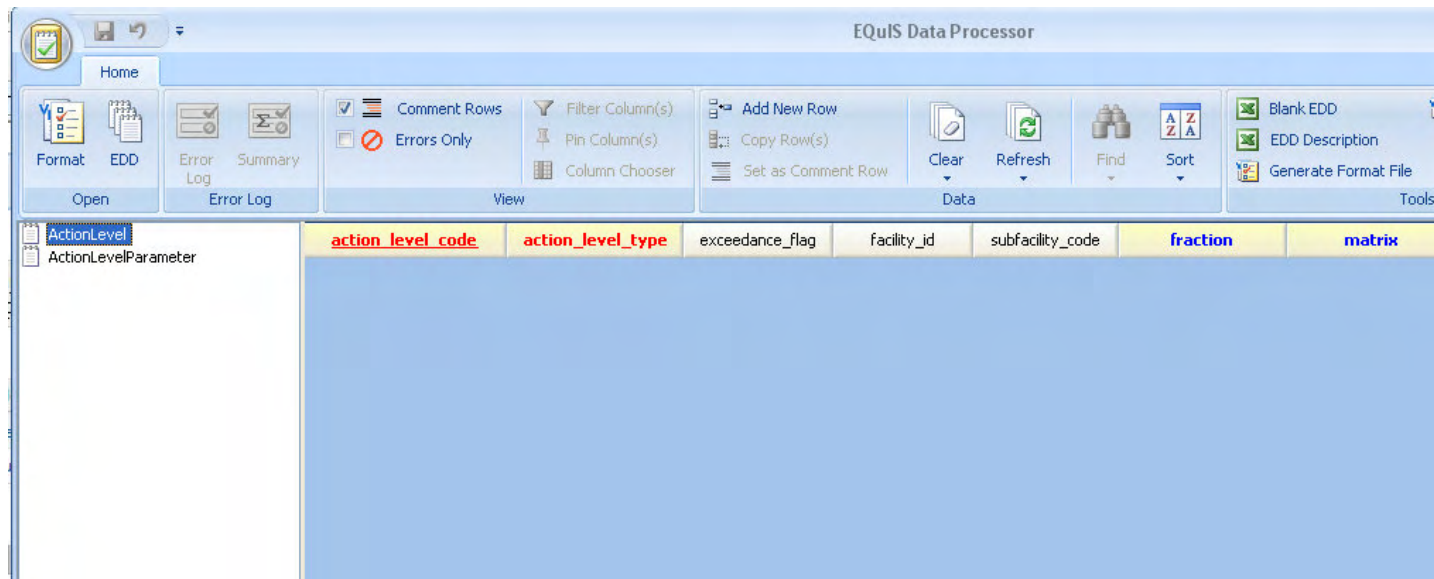
Site or Facility Specific Action Levels must be reported for those sites or facilities where they exist.

- A download link will be provided on the EPA Region 2 download page.
- EDDs should be zipped and submitted with Chemistry or Initial Submittals

Site Specific Action Levels

New Reporting Requirements

The format loads into EDP
just like the EPA Region 2 format.



What is the CLP Conversion Tool?

Takes files that have been output from the EPA DAT Editor and converts them into the EPA Region 2 format.

- This tool was designed to help the data providers format their data.
- This tool is incorporated into the EPA Region 2 format.
- EDP recognizes files with specific naming during the loading process.
- Instructional video is available on the EPA Region 2 web page.

What is the CLP Conversion Tool?

EPA United States Environmental Protection Agency

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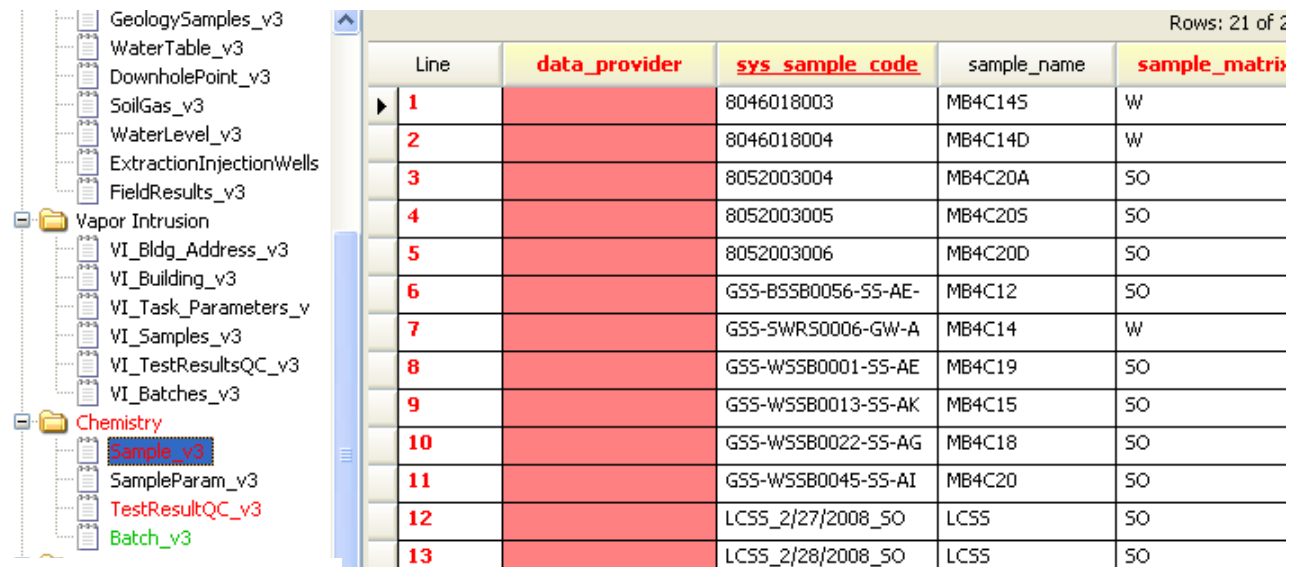
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CLP Conversion Tool Limitations

- EDP loads what it receives. It does not create data.
- The files require additional processing to un-blind samples and add locations.
- Fill in data_provider and other EPA Region 2 requirements.



The screenshot shows the CLP Conversion Tool interface. On the left is a file tree with folders like 'Vapor Intrusion' and 'Chemistry'. The 'Chemistry' folder is expanded, showing files like 'Sample_v3', 'SampleParam_v3', 'TestResultQC_v3', and 'Batch_v3'. On the right is a data table with 5 columns: 'Line', 'data_provider', 'sys_sample_code', 'sample_name', and 'sample_matrix'. The table contains 13 rows of data. The 'data_provider' column is highlighted in red for all rows. The 'sys_sample_code' column contains various codes, and the 'sample_name' and 'sample_matrix' columns contain sample identifiers and matrix types respectively. The table is titled 'Rows: 21 of 2'.

Line	data_provider	sys_sample_code	sample_name	sample_matrix
1		8046018003	MB4C14S	W
2		8046018004	MB4C14D	W
3		8052003004	MB4C20A	SO
4		8052003005	MB4C20S	SO
5		8052003006	MB4C20D	SO
6		G5S-B55B0056-SS-AE-	MB4C12	SO
7		G5S-SWRS0006-GW-A	MB4C14	W
8		G5S-W55B0001-SS-AE	MB4C19	SO
9		G5S-W55B0013-SS-AK	MB4C15	SO
10		G5S-W55B0022-SS-AG	MB4C18	SO
11		G5S-W55B0045-SS-AI	MB4C20	SO
12		LC5S_2/27/2008_SO	LC5S	SO
13		LC5S_2/28/2008_SO	LC5S	SO

How do I submit TICs?

- Report the top 10 highest concentrations per group.
- Review group naming in rt_analyte reference value list.
- Example of groups are:
 - UNKVOAI-10, UNKAROMATICI-10,
UNKALKKEYTONEI-10, UNKALCOHOLI-10, etc.
- Result_type_code = “TIC”.
- Inform labs of the preferred naming conventions.

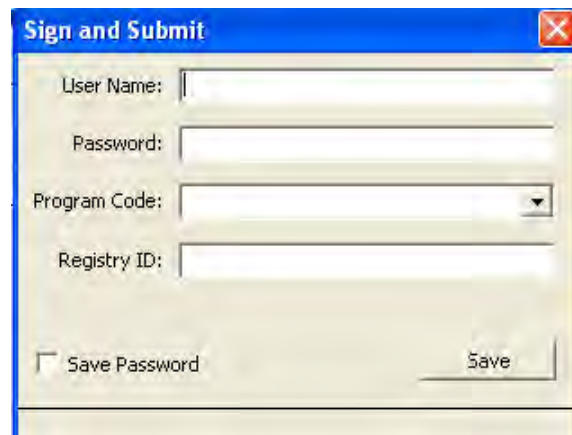
Sign and Submit EDDs

1. Select Sign and Submit from EDP menu



2. Enter: User Name, Password and Program Code.

The Registry ID will populate automatically.

A screenshot of a dialog box titled 'Sign and Submit'. It contains four input fields: 'User Name:', 'Password:', 'Program Code:' (a dropdown menu), and 'Registry ID:'. At the bottom left, there is a checkbox labeled 'Save Password'. At the bottom right, there is a 'Save' button.

A zipped EDD package will be created.

3. Rename the *.zip to *.piz and email to:

Region2_equisedd@epa.gov

Why is Sign and Submit Important?

- The zipped EDD package is named and formatted correctly for easy loading by EPA Region 2.
- All sections populated in EDP will be zipped and named correctly, including any maps added in the Files section.
- The EDDs within the zipped file are also named correctly for easy loading by EPA Region 2.



Thank You for joining us today

Questions and Answers Section

Janet Magurn: jmagurn@earthsoft.com

Rob Alvey: Alvey.Robert@epa.gov

Nicole Bujalski: Bujalski.Nicole@epa.gov

Diann Cox-Tramel: Cox-Tramel.Diann@epa.gov

Cathy Lai: Lai.Ngateng@epa.gov

Katherine Mishkin: Mishkin.Katherine@epa.gov

Any questions, email to:
Region2_equisedd@epa.gov

EQulS

is the **most** widely used
environmental data management system
in the world.

