EPA REGION 4

ENVIRONMENTAL SAMPLING & ANALYSIS COURSE
DATA MANAGEMENT

HOW DO I GET STARTED?

SHARON KEENAN
REGION 4 DART COORDINATOR
R4DART@EPA.GOV

How do contractors access EQuIS?

1. Submit your POC_EDD

Download a smart template from:
https://earthsoft.com/products/edp/edp-format-for-epar4/

2. Connect to EQuIS Enterprise!

EPA Region 4 contractors can access EQuIS Enterprise on a secure server using a connected browser. https://epar4.equisonline.com

The Quick Start Guide details how to begin your user account set up!

3. Email R4DART when you have Site(s) assigned

Data Gap Report

We already have a custom report setup to identify what is currently in the database for your site.

Once you have a user account and site(s) assigned, be sure to run a data gap report.

You will find this report as one of your widgets within your EPAR4 Enterprise Landing Page.

US EPA Region 4 - EQuIS Sites for Data Providers Landing Page after Site Assignment(s)

Data Gap Report

	A	B	C	D	E	F	G
1				ANALYSIS_LOCATION		Field	Laboratory
2	Event Qtr	Location	Matrix Code	Project	Data Provider	Sample Count	Sample Count
3	2010-Q1	WI01	GW	10-0258	PL-TDEC	1	1
4	2010-Q1	WI02	GW	10-0258	PL-TDEC		1
5	2010-Q1	WI04	GW	10-0258	PL-TDEC	1	1
6	2010-Q1	WM01	GW	10-0258	PL-TDEC	1	1
7	2010-Q1	WM03	GW	10-0258	PL-TDEC	1	2
8	2010-Q1	WM04	GW	10-0258	PL-TDEC		1
9	2010-Q1						
10	2010-Q1						
11	2010-Q1						
12	2011-Q2						
13	2011-Q2						
14	2011-Q2						
15	2011-Q2						
16	2011-Q2						

Sample Count Per Event

	A	B	C	D	E	F	G	H	I	J	K	L
1	Groundwater Depth to Water with the Various Datum that may be Selected to Calculate Water Level Elevation							110004961676				
2	Company	Facility	Project ID	Location	Measurement Date	Water Level Depth	Unit	Water Level Elevation	Top of Casing Elevation	Historic Reference Elevation	Well Datum	Datum Unit
3	PL-CONT_BV	WALKER MACHINE	14-0417	WI01	9/13/2014	69.28	ft	286.96	356.24			
4	PL-CONT_BV	WALKER MACHINE	14-0417	WI02	9/13/2014	71.78	ft	286.07	357.85			
5	PL-CONT_BV	WALKER MACHINE	14-0417	WI03	9/13/2014	76.5	ft	285.37	361.87			
6	PL-CONT_BV	WALKER MACHINE	14-0417	WI04	9/13/2014	77.71	ft	285.64	363.35			
7	PL-CONT_BV	WALKER MACHINE	14-0417	WM01	9/9/2014	50.72	ft	286.31	337.03			
8	PL-CONT_BV	WALKER MACHINE	14-0417	WM02	9/9/2014	59.71	ft	286.31	346.02			
9	PL-CONT_BV											
10	PL-CONT_BV											
11	PL-CONT_BV											
12	PL-CONT_BV											
13	PL-CONT_BV											
14	PL-CONT_BV											

Complete Water level data for calculating elevations

	A	B	C	D	E	F	G	H	I	J
1					Soil Samples Without Depths Facility Code:			110004961676		
2	Data Provider	Facility	Project ID	Sample Date	Sys_Sample_code	Sample Name	Matrix	Start Depth	End Depth	Unit
3		WALKER MACHINE	07-0587	7/9/2007	R4-E072803-06	WM-SS-01	SD			
4		WALKER MACHINE	07-0587	7/9/2007	R4-E072803-08	WM-SS-03	SD			
5		WALKER MACHINE	07-0587	7/9/2007	R4-E072803-09	WM-SS-04	SD			
6		WALKER MACHINE	07-0587	7/9/2007	R4-E072803-07	WM-SS-02	SD			
7		WALKER I								
8		WALKER I								

SampleCounts

Missing Soil Depths by Samples

	A	B	C	D	E	F	G	H	I	J	K
1									Facility code:	110004961676	
2							Missing Screen Intervals for Locations that have Groundwater Samples Facility Name:			WALKER MACHINE PRODUCTS	
3	Location	Segment Type (Screen)	Segment Material Code	Start Depth	End Depth	Depth Unit	Inner Diameter	Diameter Unit	Perf Length	Count of GW Samles at Well	Most Recent Sample Date
4										13	10/17/2014
5	WM100									7	10/21/2015
6	WM101									7	10/20/2015
7	WM102									7	10/20/2015
8	WM103									7	10/21/2015
9	WM104									10	10/20/2015
10	WM105									7	10/22/2015
11	WM111									8	2/23/2017

SampleCounts | WaterLevels | MissingSoilDepthsBySample | **GWSampleLocationsMissing_ScrnIn**

Missing Screening level Data

US EPA Region 4 - EQuIS Data Processor (EDP)

EQuIS Data Processor

File | Home

Format | EDD | DB Format | Error Log | Summary | CommentRows | Errors Only | Filter Column(s) | Pin Column(s) | Column Chooser | Add New Row | Copy Row(s) | Set as Comment Row | Clear | Refresh | Find | Sort | Blank EDD | Design Format File | Valid Values | Parent Values | Both | Help

Open | Error Log | View | Data | Tools | Help

Rows: 1 of 1 [Comment Rows]

Line	data_provider	sys_loc_code	x_coord	y_coord	coord_type_code	verification_code	loc_type	surf_elev	elev_unit	elev_datum_code	elev_collect_meth
1	PL-CONT-VER	RW-01	-81.38655		LAT LONG	< 1 m GPS	PW - Potable Water		ft		

Missing required field

elev_datu	elev_datum_
001	NAVD88
002	NGVD29
003	Mean Sea-L
004	Local Tidal
Unknown	Vertical datu

Pick lists to control entries to the approved Reference Values

Geology
- EPAR4_Site_v1
- EPAR4_Location_v1
- EPAR4_Well_v1
- EPAR4_SiteLoc_v1
- EPAR4_LocationParam
- EPAR4_AlternatePositi
- EPAR4_DownholePoint
- EPAR4_DrillActivity_v1
- EPAR4_DrillParameter
- EPAR4_GeologicSamp
- EPAR4_GeoSamplePa
- EPAR4_StaticProps_v1
- EPAR4_Lithology_v1
- EPAR4_WaterLevel_v1
- EPAR4_WaterTable_v1
- EPAR4_WellConstructi
- EPAR4_WellDatum_v1

Chemistry
- EPAR4_FSample_v1 — Still with errors
- EPAR4_TST_v1
- EPAR4_RES_v1

Basic Field Results
- EPAR4_FieldResults_v — Error free!

Vapor Intrusion
- VI_Bldg_Address_v1
- VI_Building_Inspection
- VI_Building_Parameter
- VI_Task_Parameters_v
- VI_Locations_v1
- VI_Outdoor_Locations_

Reference Values | EPAR4

EDP Error Summary

There are 7 records in the Error Table

User Name: Keenan

Format Name: EPAR4_Location_v1, EPAR4_FSample_v1, EPAR4_FieldResults_v1

Format Version: 1.1.71

EDD File(s):

RefVals Set: C:\Users\Keenan\AppData\Local\Temp\Formats\d606208a83af434ea978a42348fdd742\EPAR4.rvf

Run Date: 8/6/2019 12:38:56 AM

Table	# of Rows	Column	Value	Message	Type
EPAR4_Location_v1	1	y_coord	[NULL]	Missing required field	ERROR
EPAR4_FSample_v1	1	sys_sample_code	[NULL]	Missing required field	ERROR
EPAR4_FSample_v1	1	sample_matrix_code	[NULL]	Missing required field	ERROR
EPAR4_FSample_v1	1	sample_type_code	ABC	Reference value not found	ERROR
EPAR4_FSample_v1	1	sampling_			
EPAR4_FSample_v1	1	project_id			
EPAR4_FSample_v1	1	activity_co			

Open

Save As

Save

Sign & Submit

EQuIS Data Processor

User Name: PL-Contractor

Password: **********

Facility: 110000351565

Submit URL:

Save

File name: 19-0001_OrlandoGasification_PL-CONT-VER_20190806_LOC.110000351565.EPAR4.zip

Rename the saved file to .dat from .zip and email to EPAR4@EQuISonline.com

EPA Region 4 Uses Various EDDs

- **EPAR4_POC**
  - Contractor Site Points of Contacts
  - Used to establish various points of contacts
- **EPAR4_ARF**
  - Analysis Request Form
  - Used to request lab procurement
  - Establishes the Sample Planning for Sampling Events
- **EPAR4_Scribe_COC**
  - eCOC.xml Import
  - Used to preload the sample depths
- **EPAR4**

R4DART is the System Administrator

- **Professional**
  - Data Managers
  - Hydrogeologists
  - Risk Assessors
  - GIS Technicians

- **Labs**
  - EDDs

- **EQuIS Enterprise**
  - Remedial Project Managers
  - On Scene Coordinators
  - Consultants
  - State Agencies

R4DART can help you get started with:

1) Reports (Cross tabbed, Tables, Charts, Graphs)
2) Environmental Information Agents (EIAs)
3) EnviroInsite Graphics
4) Google Earth Pro
5) EDGE and EQuIS Collect
6) Displaying Results from EQuIS on maps

That's not all!

ONCE YOU ARE SETUP YOU CAN PULL AND DISPLAY DATA

ON YOUR OWN

Custom Queries Built and Available

- Compare against federal, state or site specific action levels.
- Only see a subset of the locations or chemicals
- Report style tables that can be read easily

Push Report – Analytical Exceedance with Charts

SAMPLE_DATE	SAMPLE_NA	SAMPLEDA	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene
3/30/2011 12:40	188PW0311	30-Mar-11	0.5	3.5	1.7
8/3/2011 15:45	188PW0811	3-Aug-11	0.5	4.1	1.8
12/7/2011 16:45	188PW1211	7-Dec-11	0.5	3.6	1.8
4/3/2012 16:20	188PW0412	3-Apr-12	0.5	3.2	1.5
7/12/2012 11:15	188PW0712	12-Jul-12	0.5	3.2	1.6
10/17/2012 15:40	188PW1012	17-Oct-12	0.5	3.3	1.9
1/30/2013 10:23	188PW0113	30-Jan-13	0.5	4	2.2
4/10/2013 13:18	188PW0413	10-Apr-13	0.5	2.1	1.4
7/31/2013 10:58	188PW0713	31-Jul-13	0.5	2.8	1.6
11/19/2013 16:06	188PW1113	19-Nov-13	0.5	3.8	2.5
4/8/2014 10:55	188PW0414	8-Apr-14	0.13	4	2.6
4/8/2014 11:05	188PW0414X	8-Apr-14	0.13	4.2	2.7
7/23/2014 10:20	188PW0714	23-Jul-14	0.5	3.3	2
12/2/2014 16:10	188PW1214	2-Dec-14	5	3	2.5
3/31/2015 17:04	188PW0415	31-Mar-15	0.5	2.6	2.2
6/23/2015 16:09	188PW0615	23-Jun-15	0.5	1.8	1.3

188 | 226 | 227 | 229 | 52 | 536 | 601 | 603 | 606 | ATDW5001 | ATPW04 | ATPW60

AD HOC QUERY - VALIDATION LEVEL REPORT

	A	B	C	D	E	F	G	H	I	J	K
	facility_name	facility	qc_le	sys_sample_code	sample_date	matrix_cd	matrix_desc	analytic_method	ebatc	edd_file	edd_date
27	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-88	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460538	P2016_003_Ciba-Geigy Superfund Site Operable Unit 3_PL-CONT_LIMNO_05 19 16.110000605051.zip	5/20/2016 4:14:00 PM
28	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-89	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460538	P2016_003_Ciba-Geigy Superfund Site Operable Unit 3_PL-CONT_LIMNO_05 19 16.110000605051.zip	5/20/2016 4:14:00 PM
29	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-92	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	LABORATORY SC	3460		
30	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-93	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	CNA:EPA 160.3	3460		
31	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-94	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460		
32	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-95	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460		
33	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-96	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460		
34	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-97	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460		
35	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-98	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460		
36	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-99	9/17/2015 12:00:00 AM	LMBW	Largemouth Bass, whole body	EPA 8081A	3460		
37	CIBA GEIGY COR	3371747	S4VEM	CS-REP10-091715	9/17/2015 12:15:00 PM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
38	CIBA GEIGY COR	3371747	S4VEM	CS-REP10-091715	9/17/2015 12:15:00 PM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
39	CIBA GEIGY COR	3371747	S4VEM	CS-REP10-091715	9/17/2015 12:15:00 PM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		
40	CIBA GEIGY COR	3371747	S4VEM	CS-REP1-091415	9/14/2015 11:00:00 AM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
41	CIBA GEIGY COR	3371747	S4VEM	CS-REP1-091415	9/14/2015 11:00:00 AM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
42	CIBA GEIGY COR	3371747	S4VEM	CS-REP1-091415	9/14/2015 11:00:00 AM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		
43	CIBA GEIGY COR	3371747	S4VEM	CS-REP11-091715	9/17/2015 12:30:00 PM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
44	CIBA GEIGY COR	3371747	S4VEM	CS-REP11-091715	9/17/2015 12:30:00 PM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
45	CIBA GEIGY COR	3371747	S4VEM	CS-REP11-091715	9/17/2015 12:30:00 PM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		
46	CIBA GEIGY COR	3371747	S4VEM	CS-REP12-091715	9/17/2015 12:45:00 PM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
47	CIBA GEIGY COR	3371747	S4VEM	CS-REP12-091715	9/17/2015 12:45:00 PM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
48	CIBA GEIGY COR	3371747	S4VEM	CS-REP12-091715	9/17/2015 12:45:00 PM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		
49	CIBA GEIGY COR	3371747	S4VEM	CS-REP13-092215	9/22/2015 11:30:00 AM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
50	CIBA GEIGY COR	3371747	S4VEM	CS-REP13-092215	9/22/2015 11:30:00 AM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
51	CIBA GEIGY COR	3371747	S4VEM	CS-REP13-092215	9/22/2015 11:30:00 AM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		
52	CIBA GEIGY COR	3371747	S4VEM	CS-REP2-091415	9/14/2015 11:15:00 AM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
53	CIBA GEIGY COR	3371747	S4VEM	CS-REP2-091415	9/14/2015 11:15:00 AM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
54	CIBA GEIGY COR	3371747	S4VEM	CS-REP2-091415	9/14/2015 11:15:00 AM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		
55	CIBA GEIGY COR	3371747	S4VEM	CS-REP3-091415	9/14/2015 12:00:00 PM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
56	CIBA GEIGY COR	3371747	S4VEM	CS-REP3-091415	9/14/2015 12:00:00 PM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
57	CIBA GEIGY COR	3371747	S4VEM	CS-REP3-091415	9/14/2015 12:00:00 PM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		
58	CIBA GEIGY COR	3371747	S4VEM	CS-REP4-091515	9/15/2015 10:35:00 AM	Tissue	Tissue (lab matrix)	CNA:EPA 160.3	5176		
59	CIBA GEIGY COR	3371747	S4VEM	CS-REP4-091515	9/15/2015 10:35:00 AM	Tissue	Tissue (lab matrix)	EPA 8081A	5176		
60	CIBA GEIGY COR	3371747	S4VEM	CS-REP4-091515	9/15/2015 10:35:00 AM	Tissue	Tissue (lab matrix)	LABORATORY SC	5176		

	A	B	C	D
	facility_name	facility	qc_le	sys_sample_code
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-88
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-89
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-92
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-93
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-94
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-95
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-96
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-97
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-98
	CIBA GEIGY COR	3371747	S1VEM	CGSUPEROU3-99
	CIBA GEIGY COR	3371747	S4VEM	CS-REP10-091715
	CIBA GEIGY COR	3371747	S4VEM	CS-REP10-091715
	CIBA GEIGY COR	3371747	S4VEM	CS-REP10-091715
	CIBA GEIGY COR	3371747	S4VEM	CS-REP1-091415
	CIBA GEIGY COR	3371747	S4VEM	CS-REP1-091415
	CIBA GEIGY COR	3371747	S4VEM	CS-REP1-091415
3	CIBA GEIGY COR	3371747	S4VEM	CS-REP11-091715
4	CIBA GEIGY COR	3371747	S4VEM	CS-REP11-091715
5	CIBA GEIGY COR	3371747	S4VEM	CS-REP11-091715
6	CIBA GEIGY COR	3371747	S4VEM	CS-REP12-091715
7	CIBA GEIGY COR	3371747	S4VEM	CS-REP12-091715
8	CIBA GEIGY COR	3371747	S4VEM	CS-REP12-091715
9	CIBA GEIGY COR	3371747	S4VEM	CS-REP13-092215
0	CIBA GEIGY COR	3371747	S4VEM	CS-REP13-092215
1	CIBA GEIGY COR	3371747	S4VEM	CS-REP13-092215
2	CIBA GEIGY COR	3371747	S4VEM	CS-REP2-091415
3	CIBA GEIGY COR	3371747	S4VEM	CS-REP2-091415
4	CIBA GEIGY COR	3371747	S4VEM	CS-REP2-091415
5	CIBA GEIGY COR	3371747	S4VEM	CS-REP3-091415
6	CIBA GEIGY COR	3371747	S4VEM	CS-REP3-091415
7	CIBA GEIGY COR	3371747	S4VEM	CS-REP3-091415
8	CIBA GEIGY COR	3371747	S4VEM	CS-REP4-091515
9	CIBA GEIGY COR	3371747	S4VEM	CS-REP4-091515
0	CIBA GEIGY COR	3371747	S4VEM	CS-REP4-091515

IF YOU HAVE COOL CUSTOM REPORTS, LET US KNOW!

CONTACT INFORMATION

Sharon Keenan
R4 DART Coordinator
R4DART@epa.gov
941-544-5428