

Effluent Toxicity Characterization

Electronic Data Deliverable for Reasonable Potential Analysis (EDD for RPA)

5-21-2015

Laboratory and Environmental Assessment Program

RPA EDD- Evolving Excel File

RPA upload requires PDF of level II analytical report with COC and excel.

Meta data of sample is manually entered and analysis is uploaded.

RPA EDD Template

Headers: Laboratory Name, Laboratory Sample Number, Analysis Performed, Analyte, Preparation Date, Analysis Date, Result, Detection Limit, Quantitation Limit, Unit, Dilution, CAS number and Qualifier

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	LabName	LabNumber	Analysis	Analyte	Prepared	Analyzed	Result	DL	QL	Units	Dilution	CAS	Qualifier
2	ABC Laboratory	1303032-01	EPA 200.8	Arsenic, Total	3/11/2014	3/12/2014	0.714	0.165	0.5	µg/L	1	7440382	
3	ABC Laboratory	1303032-01	EPA 200.8	Copper, Dissolved	3/10/2014	3/11/2014	0.233	0.156	10	µg/L	1	7440508	J
4	ABC Laboratory	1303032-01	EPA 625	Benzidine	3/13/2014	3/16/2014	ND	3.14	10	µg/L	1	92875	
5	ABC Laboratory	1303032-02	EPA 624	Benzene	3/21/2014	3/21/2014	0.261	0.0526	0.5	µg/L	1	71432	J,H
6	ABC Laboratory	1303032-02	EPA 624	Ethylbenzene	3/9/2014	3/9/2014	ND	0.0524	0.5	µg/L	1	100414	
7	ABC Laboratory	1303032-02	EPA 200.8	Cyanide, Free	3/8/2014	3/8/2014	ND	0.01	10	mg/L	1	57125	
8													
9													
10													

RPA EDD – Fact Sheet



Monitoring and Reporting

- ▶ [Electronic Data Delivery of Toxic Data](#)
- ▶ [Quality and Analysis Guidelines for Self-Monitoring Laboratories](#)
- ▶ [Small Laboratory Quality Manual Template](#), February 2014
 - ▶ [Introduction to the Quality Manual Template](#)
- ▶ [Discharge monitoring report forms for domestic \(sewage\) NPDES and WPCF individual permits](#)
- ▶ [Delegation Authorization Form](#)
 - ▶ [Instructions for Delegation Authorization Forms](#)

RPA EDD - Fact Sheet

DEQ Water Quality

Department ▼

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Electronic Data Delivery for Toxics Data

What permit holders need to know

DEQ requires permit holders in Oregon to monitor for various toxic pollutants and uses the results to determine if the permit holder's discharge is likely to cause or contribute to violations of Oregon's water quality criteria.

In order to streamline the receipt and analysis of this data, DEQ has developed an Electronic Data Delivery system. Under EDD, permit holders provide DEQ with toxics monitoring data according to a standard format. The DEQ lab then reviews the data before providing it to DEQ permit staff.

Find out more

This information guide will help you:

- Find out if you need to submit toxics data to DEQ
- Submit toxics data to DEQ
- Obtain toxics data for use in Reasonable Potential Analysis

For questions about the analyte list, contact [Sarah Rockwell](#)

For questions about Reasonable Potential Analysis, contact [Spencer Bohaboy](#) or visit to the following links:

[Reasonable Potential Analysis for Toxic Pollutants IMD, Revision 3.1 - Feb. 2012](#)

[Transmittal Memo for Reasonable Potential Analysis IMD - Aug. 2011](#)

[RPA Calculation Workbook, Domestic, Revision 3.4](#)

[RPA Calculation Workbook, Industrial, Revision 3.6](#)

RPA EDD - Fact Sheet

- Background
- EDD template requirements and definitions
- Contact information
- No Valid Values...yet

RPA EDD

Questions?

deqlabtechsupport@deq.state.or.us

Draft QL SOP for DEQ Programs

Purpose

- Develop minimum analytical quantitation limits for use by DEQ's regulatory programs
- Process intended to insure compliance to recent EPA Use of Sufficiently Sensitive Test Methods for Permit Applications and Reporting Rule

Draft QL SOP for DEQ Programs

Basics

- DEQ program will identify parameters of interest
- LEAP drafts a list of minimum QLs
- Consult with commercial and municipal laboratory community
- Ultimately, the LEAP will select the most appropriate QL based upon the relative availability of the test methods and proximity of the QL limits to the water quality criterion

Draft QL SOP for DEQ Programs

Eight Step Process

Step 1 : Identify applicable pollutants and reg action levels using available regulations and policies

- Oregon state water quality criteria

- EPA Priority Pollutant List

- EPA's NPDES Permit Application Forms

- State NPDES Permit Application Forms (if applicable)

Step 2 : Identify applicable test methods

- 40 CFR 136.3, USGS methods, USEPA, SM, etc.

Draft QL SOP for DEQ Programs

Eight Step Process

Step 3 : Evaluate method options and generate draft QLs

Step 4 : Identify regional laboratories

OELA

ELTAC

The NELAC Institute (list of accredited labs)

WDOE (list of accredited labs)

EPA Region 10 Staff

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Eight Step Process

Step 5 : Request input from laboratory community

Face to face meetings will be through ELTAC or OELA

Step 6 : Quality assurance review of lab responses

Contact laboratory for clarifications

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Eight Step Process

Step 7 : Revise quantitation draft limits

Include specific concerns (costs, limited availability)

Step 8 : Publish revised QLs and revision history

Draft QL SOP for DEQ Programs

Questions?

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