

# eSMR<sup>2</sup> 101

Basic steps for creating an eSMR<sup>2</sup> zipped  
upload file for CIWQS NPDES regulatory  
compliance, using PET Tool 2.3

March 9, 2011

BACWA Laboratory Committee

Prepared by Tony Pirondini

# Steps needed to create a successful eSMR<sup>2</sup> upload to CIWQS using the PET Tool

- (1) Obtain LRO & Data Submitter(s) registrations – *This should have been done already in the workshops. If not, talk to your regulator.*
- (2) Download the PET Tool Excel workbook – *On the CIWQS website, file name = “blank\_pet\_tool 2.3.xls”*
- (3) Create a monthly template using the “blank pet tool 2.3.xls” file to match your NPDES Monitoring & Reporting Program (MRP) – *an existing paper submittal SMR will likely work best to create this template*
- (4) Add data to the template for the compliance period – *How you do this is YOUR choice (manually, LIMS or database export/import, etc.)*
- (5) Download & install the CDF Tool file (“petv2.3 setup.zip”) on the Internet PC that you will NEED to create the zipped upload file *(you will need PC administrator permission to do this)*
- (6) Create the zipped upload file for data entered - *click of the mouse*
- (7) Upload the file to the CIWQS website *(Data Submitter)*
- (8) If errors are generated, repeat steps (4)-(7) until no errors
- (9) Review & Approve (LRO) the data submitted on CIWQS

# Steps 1, 2 & 5: CIWQS website

State Water Resources Control Board - Windows Internet Explorer provided by CityofVacaVile!  
http://www.waterboards.ca.gov/water\_issues/programs/ciwqs/chc\_npdes.shtml

File Edit View Favorites Tools Help  
Convert Select  
Favorites Google 95625 Weather Forecast a... Web Slice Gallery  
State Water Resources Control Board

**CA.GOV** CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD

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Programs | Available Documents | Hot Topics |

Office of Governor **Jerry Brown**  
Visit his Website

Home → Water Issues → Programs → Ciwqs

## California Integrated Water Quality System Project (CIWQS)

### CIWQS HELP CENTER – NPDES

#### Support for the National Pollutant Discharge Elimination System

- **CIWQS Registration Forms**
  - [Legally Responsible Official](#)
  - [Data Submitter](#)
- **eSMR2 Presentations and Helpful Information**
  - [Workshop Presentation](#) - The presentation given in our training class
  - [User Guide](#) - User guide for the web portion of your submittal
  - [Submittal Checklist](#) - Bulleted list of steps to help you through your first couple submittals
  - [Common Errors](#) - A list of the most common errors that you may receive when uploading a CDF, EDF, or PET export file and how to resolve them
  - [Business Rules](#) - Several guidelines on how to enter information
  - [User Group webpage](#) - Find out the latest progress in eSMR development
  - [Frequently Asked Questions](#) - The most common questions we hear and their answers
- **PET Tool / CIWQS Data Format Installer**
  - [Data Types](#) - Guidelines on how Data Types should be used in the Permittee Entry Template (PET) Tool
- **Optional Tools**
  - **Pivot** - Review your uploaded monitoring data in an easy to read format prior to certifying and submitting. (*"Save" the Excel file to your computer before installing.*)
    - [Instructions | Excel 2003](#)
    - [Instructions | Excel 2007](#)
  - **Limit** - Use after the Pivot Tool to compare your permit limits to your monitoring data. You must populate the limits in the Limit tool.
    - [Instructions | Excel 2003](#)
    - [Instructions | Excel 2007](#)
- [Additional NPDES Information](#)

Questions or Comments about NPDES?

Cal/EPA  
State and Regional Water Boards' Map  
Laws/Regulations  
Plans/Policies  
Programs  
Decisions Pending and Opportunities for Public Participation  
Water Quality  
Performance Report  
Website Feedback  
CIWQS Resources  
→ CIWQS Home  
→ CIWQS NPDES  
→ CIWQS SSO  
→ CIWQS SMARTS  
→ Contact Us  
→ Public Reports  
Water Boards

## Step (3) - Creating a Reporting Template: What is the PET Tool?

- (1) GENERAL tab: This spreadsheet describes basic NPDES permit information *AND it is used to "Create CDF for Upload" file.*
- (2) DATA ENTRY tab: This spreadsheet is where you enter ALL\* compliance data that is acceptable for CIWQS upload. You need to modify this to match your MRP! \*Some data can't be uploaded using DATA ENTRY yet, so are submitted via Acrobat PDF file attachment(s).
- (3) LOOKUP CODES & CONVERSION tabs: Used for LIMS programmers and zip conversion QA, but are not needed for MRP DATA ENTRY template creation

# PET TOOL GENERAL tab (blank)

blank\_pet\_tool

Home Insert Page Layout Formulas Data Review View Acrobat

Cut Copy Paste Format Painter Clipboard

Arial 11 Wrap Text Merge & Center \$ % +.0 -0.00

Font Alignment Number

P26

Permittee Entry Template (PET) Tool

Agency Name:		
Test		
Facility Name:		
Test		
Order No. (RX-XXXX-XXXX)	Reporting Period	
R5-2010-000X	Monthly Template	
Data Entered By:	Key: Red Outline = Required Blue Outline = Optional	
QA Performed By:		
Analytical Lab Contact Information		
Name	Location	Contact & Phone Number
Additional Notes:		
Create CDF for Upload		

Version 2.3 (11-17-2010)

General Data Entry Lookup Codes Conversion

# PET TOOL

## GENERAL tab

*(AFTER edit)*

1210 DEC 2010 EWWTP Ops Log-SMR-

Home Insert Page Layout Formulas Data Review View Acrobat

Cut Copy Paste Format Painter Clipboard

Arial 11

Wrap Text Merge & Center

General

B13 TONY PIRONDINI

**Permittee Entry Template (PET) Tool**

**Agency Name:**  
CITY OF VACAVILLE

**Facility Name:**  
EASTERLY WASTEWATER TREATMENT PLANT

Order No. (RX-XXXX-XXXX)	Reporting Period
R5-2008-0055-01	12/01/2010 - 12/31/2010

**Data Entered By:**  
TONY PIRONDINI

**QA Performed By:**  
TRAVIS PETERSON

**Analytical Lab Contact Information**

Name	Location	Contact & Phone Number
TONY PIRONDINI	ELMIRA, CA	707-469-6400

**Additional Notes:**

Create CDF for Upload

Version 2.3 (11-17-2010)

DMR Mo & Otr INF-n1 FFF-n1 FFF-n2 FFF-n3 FFF-n4 22-Sample times 23-Online Monit Times

## Step (3) - Creating a Reporting Template: What is the PET Tool?

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# (3) PET Tool: DATA ENTRY tab (blank)

blank\_pet\_tool 2.3.xls [Compatibility Mode] - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Acrobat

Clipboard Font Alignment Number Styles Cells Editing

Monitoring Point	Parameter	Data Type	Analytical Method	Collection Date	Collection Time	Analysis Date	Qualifier	Result	Units	MDL	ML	RL
M-001	Chronic Toxicity (Species 1)	Single	Determination of Perchlorate in Drinking Water by LCEI/M [E331.0]	7/1/2010	0:00	7/1/2010	=	1	Pass/Fail (Pass = 0; Fail = 1)			
M-001	Chronic Toxicity (Species 2)	Single	Standard Method (19th) 5520 C: COD Closed Reflux, Titrimetric [A52220C]	7/2/2010	0:00	7/2/2010	=	2	Pass/Fail (Pass = 0; Fail = 1)			
M-001	Chronic Toxicity (Species 3)	Single	Standard Method (20th) 3500-Cr B: Colorimetric Method [A3500CB]	7/3/2010	0:00	7/3/2010	=	3	Pass/Fail (Pass = 0; Fail = 1)			
M-001	Demeton-O	Single	Standard Method (20th) 4500 Cl- C: Iodometric Method II [A4500CA]	7/4/2010	0:00	7/4/2010	=	4	lbs/month			
M-001	Demeton-S	Single	Standard Method (20th) 4500-NH3 G: N (Ammonia) Auto Phenate [A4500NG]	7/5/2010	0:00	7/5/2010	=	5	lbs/month			
M-001	Hardness, Ca (as CaCO3)	Single	Standard Method (20th) 4500-NO3 E: Cadmium Reduction Method [A4500NE]	7/6/2010	0:00	7/6/2010	=	6	lbs/month			
M-001	Hardness, Mg (as CaCO3)	Single	Standard Method (20th) 4500-P E: Phosphorus Ascorbic Acid Method [A4500PE]	7/7/2010	0:00	7/7/2010	=	7	Metric Tons			
M-001	Malachite Green	Single	Standard Method 4500-Cl F: Chlorine by DPD Ferrous Titrimetric [4500CLF]	7/8/2010	0:00	7/8/2010	=	8	Metric Tons			
M-001	Halomethanes, Sum	Single	Standard Method 5540 D: Nonionic Surfactants as CTAS [A5540D]	7/9/2010	0:00	7/9/2010	=	9	ml/L/hr			
M-001	Total Trihalomethanes (TTHM)	Single	Uranium in Drinking Water - Radiochemical Method [E908.0]	7/10/2010	0:00	7/10/2010	=	10	ml/L/hr			
M-001	Total Organic Carbon (TOC), Percent Removal	Single	Uranium in Drinking Water - Radiochemical Method [E908.0]	7/13/2010	0:00	7/13/2010	=	1	%			

Ready | General | **Data Entry** | Lookup Codes | Conversion | 100% | 8:38 AM 3/8/2011

# (3) PET Tool: DATA ENTRY tab (edit)

1210 DEC 2010 EWWTP Ops Log-SMR-eSMR (PET 2.3 rev 011911 AMP).xls [Compatibility Mode] - Microsoft Excel

Monitoring Point	Parameter	Data Type	Analytical Method	Collection Date	Collection Time	Analysis Date	Qualifier	Result	Units	MDL	ML	RL	QA Code	Priority Review	Comment
846	EFF-001	Dissolved Oxygen	Single	Standard Method (19th) 4500-O G-Diss. O by Membr	12/29/2010	8:30	12/29/2010	=	7.8	mg/L					
847	EFF-001	Dissolved Oxygen	Single	Standard Method (19th) 4500-O G-Diss. O by Membr	12/30/2010	9:39	12/30/2010	=	7.9	mg/L					
848	EFF-001	Dissolved Oxygen	Single	Standard Method (19th) 4500-O G-Diss. O by Membr	12/31/2010	9:25	12/31/2010	=	8.3	mg/L					
849	EFF-001	Ammonia, Total (as N)	Average Monthly (AMEL)	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/31/2010	23:59	12/31/2010	ND		mg/L	0.1				
850	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/7/2010	8:25	12/28/2010	ND		mg/L	0.1				
851	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/14/2010	8:15	12/28/2010	ND		mg/L	0.1				
852	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/22/2010	8:56	12/28/2010	ND		mg/L	0.1				
853	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/28/2010	8:35	12/28/2010	ND		mg/L	0.1				
854	EFF-001	Ammonia, Total (as N)	Average Monthly (AMEL)	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/31/2010	23:59	12/31/2010	<		lb/day	7.5				
855	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/7/2010	8:25	12/28/2010	<		lb/day	6.2				
856	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/14/2010	8:15	12/28/2010	<		lb/day	6.3				
857	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/22/2010	8:56	12/28/2010	<		lb/day	9.0				
858	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/28/2010	8:35	12/28/2010	<		lb/day	8.3				
859	EFF-001	Nitrate, Total (as N)	Average Monthly (AMEL)	Inorganic Anions by Ion Chromatography [E300.0]	12/31/2010	23:59	12/31/2010	=	22.1	mg/L				Yes	R5-2008-0056-01 Interim Limit of 30 mg/L applies
860	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/7/2010	8:25	12/7/2010	=	21.1	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
861	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/14/2010	8:15	12/14/2010	=	24.6	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
862	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/22/2010	8:56	12/22/2010	=	21.0	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
863	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/28/2010	8:35	12/28/2010	=	21.6	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
864	EFF-001	Oil and Grease	Single	Standard Method 5520 B: Oil & Grease Partition-Grav	12/7/2010	8:25	12/15/2010	ND		mg/L	1.5	5	5.0		
865	EFF-001	Mercury, Total	Single	Mercury - CVA Fluorescence Spectrometry [E245.7]	12/7/2010	8:25	12/14/2010	=	1.1	ng/L					
866	EFF-001	Methyl Mercury	Single	Methyl Mercury in Water by Distillation [E1630]	12/7/2010	8:25	12/15/2010	ND		ng/L	0.02	0.02	0.05		
867	EFF-001	Acute Toxicity	Single	Acute Toxicity Test with Effluents and Receiving Wat	12/6/2010	11:22	12/7/2010	=	100	% survival					
868	EFF-001	Acute Toxicity	3-Sample Median	Acute Toxicity Test with Effluents and Receiving Wat	12/6/2010	23:59	12/6/2010	=	95	% survival					
869	EFF-001	Cyanide, Total (as CN)	Average Monthly (AMEL)	Standard Method (19th) 4500-CN E: Colorimetric Meth	12/9/2010	23:59	12/31/2010	ND		ug/L	0.6	3.0	3.0		
870	EFF-001	Cyanide, Total (as CN)	Single	Standard Method (19th) 4500-CN E: Colorimetric Meth	12/9/2010	9:07	12/9/2010	ND		ug/L	0.6	3.0	3.0		
871	EFF-001	Chlorodibromomethane	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	3.4	ug/L				Yes	R5-2008-0056-01 Interim Limit of 14 ug/L applies
872	EFF-001	Chloroform	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	47.8	ug/L					
873	EFF-001	Dichlorobromomethane	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	18.1	ug/L				Yes	R5-2008-0056-01 Interim Limit of 43 ug/L applies
874	EFF-001	Bromoform	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	DNQ	0.13	ug/L	0.04	0.2	0.2		
875	EFF-001	Total Trihalomethanes (TTHM)	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	69.4	ug/L					
876	EFF-001	Chlorodibromomethane	Average Monthly (AMEL)	Volatile Organic Compounds EPA Method 624 [E624]	12/9/2010	23:59	12/31/2010	=	3.4	ug/L				Yes	R5-2008-0056-01 Interim Limit of 14 ug/L applies
877	EFF-001	Dichlorobromomethane	Average Monthly (AMEL)	Volatile Organic Compounds EPA Method 624 [E624]	12/9/2010	23:59	12/31/2010	=	18.1	ug/L				Yes	R5-2008-0056-01 Interim Limit of 43 ug/L applies
878	EFF-001	Total Trihalomethanes (TTHM)	Average Monthly (AMEL)	Volatile Organic Compounds EPA Method 624 [E624]	12/9/2010	23:59	12/31/2010	=	69.4	ug/L					
879	EFF-001	Mercury, Total	Annual Loading	Mercury - CVA Fluorescence Spectrometry [E245.7]	12/31/2010	23:59	12/31/2010	=	0.0493	lbs					
880	RSW-003	Flow	Single	Data Unavailable [DU]	12/7/2010	10:08	12/7/2010	=	7.0	CFS					
881	RSW-003	Flow	Single	Data Unavailable [DU]	12/14/2010	10:03	12/14/2010	=	14.0	CFS					
882	RSW-003	Flow	Single	Data Unavailable [DU]	12/22/2010	10:26	12/22/2010	=	26.9	CFS					
883	RSW-003	Flow	Single	Data Unavailable [DU]	12/28/2010	11:34	12/28/2010	=	14.0	CFS					
884	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/7/2010	10:17	12/7/2010	=	60.3	Degrees F					
885	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/14/2010	10:12	12/14/2010	=	62.5	Degrees F					
886	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/22/2010	10:40	12/22/2010	=	59.8	Degrees F					
887	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/28/2010	11:42	12/28/2010	=	60.2	Degrees F					
888	VOL-OUT	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/7/2010	9:44	12/7/2010	=	66.2	Degrees F					

DMR Mo & Qtr INF-p1 EFF-p1 EFF-p2 EFF-p3 EFF-p4 22-Sample times 23-Online Monit Times Data Entry Sheet1

## Step (3) - Modifying the DATA ENTRY sheet to match YOUR MRP

- Use the MRP table in your NPDES permit OR past successful paper SMRs that match your current MRP
- Be sure to use site labels: EFF-001, INF-001, etc.

# (3a) Current MRP (example)

## A. Monitoring Location EFF-001

1. The Discharger shall monitor effluent from the Easterly WWTP when discharging to Old Alamo Creek at EFF-001 as follows:

**Table E-3. Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method and (Minimum Level, units), respectively
Flow	mgd	Meter	Continuous	
Total Residual Chlorine <sup>1</sup>	mg/L	Meter	Continuous	
Turbidity <sup>2</sup>	NTU	Meter	Continuous	
Temperature	°F	Meter	Continuous	
pH	pH units	Meter	Continuous	
BOD 5-day 20°C	mg/L	24-hr Composite <sup>6</sup>	5 days/week	
Total Suspended Solids	mg/L	24-hr Composite <sup>6</sup>	5 days/week	
Total Coliform Organisms	MPN/100 mL	Grab	5 days/week	
Settleable Solids	mL/L	Grab	1/day	
Dissolved Oxygen	mg/L	Grab	1/day	
Electrical Conductivity @ 25°C	µmhos/cm	Grab	1/day	
Ammonia (as N) <sup>3,4</sup>	mg/L	Grab	1/week	
Nitrate (as N)	mg/L	Grab	1/week	
Total Dissolved Solids	mg/L	Grab	1/month	
Cyanide, Total <sup>5</sup>	µg/L	Grab	1/month	
Chlorodibromomethane <sup>5</sup>	µg/L	Grab	1/month	
Chloroform <sup>5</sup>	µg/L	Grab	1/month	
Dichlorobromomethane <sup>5</sup>	µg/L	Grab	1/month	
Bromoform	µg/L	Grab	1/month	
Total Trihalomethanes <sup>5</sup>	µg/L	Grab	1/month	
Bis(2-ethylhexyl) phthalate <sup>5</sup>	µg/L	Grab	1/quarter	
Oil and Grease	mg/L	Grab	1/month	
Mercury, total	ng/L	Grab	1/month	7
Mercury, methyl	ng/L	Grab	1/month	7
Radionuclides		Grab	1/year	

# or... (3b) Paper SMR (example)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	CITY OF VACAVILLE											EFFLUENT MONITORING					December 2010						
2	Easterly Wastewater Treatment Plant																PAGE 4						
3	SELF MONITORING REPORT																Easterly WWTP						
4	Order No. R5-2009-0055-01																CA0077691						
5	STATION DESCRIPTION	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
6	CONSTITUENT NAME	BOD	BOD	BOD	BOD	BOD	BOD	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	TSS	SETTLABLE SOLIDS
7	UNITS	MG/L	MG/L	LBS/DAY**	LBS/DAY**	PERCENT	MG/L	MG/L	LBS/DAY**	LBS/DAY**	PERCENT	MG/L	MG/L	LBS/DAY**	LBS/DAY**	PERCENT	MG/L	MG/L	LBS/DAY**	LBS/DAY**	PERCENT	MG/L	ML/L-HR
8	SAMPLE TYPE	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	REMOVAL	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	REMOVAL	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	REMOVAL	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	REMOVAL	24 HR COMP	GRAB
9	FREQUENCY	5 / WEEK	WEEKLY AVG	5 / WEEK	WEEKLY AVG	MONTHLY	5 / WEEK	WEEKLY AVG	5 / WEEK	WEEKLY AVG	MONTHLY	5 / WEEK	WEEKLY AVG	5 / WEEK	WEEKLY AVG	MONTHLY	5 / WEEK	WEEKLY AVG	5 / WEEK	WEEKLY AVG	MONTHLY	5 / WEEK	DAILY
10	DAY-MONTH-YEAR	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	1-Dec-10	1	2	1	117		1	1.8		1	105											1	<0.1
12	2-Dec-10	1	3	1	173		1	1.4		1	81											1	<0.1
13	3-Dec-10						1	1.6		1	92											1	<0.1
14	4-Dec-10	1	5	1	296	1	184	1	1.8	1	107	1	103									1	<0.1
15	5-Dec-10	1	7	1	444			1	2.8		177											1	<0.1
16	6-Dec-10	1	7	1	455			1	3.0		195											1	<0.1
17	7-Dec-10	1	7	1	432			1	2.6		160											1	<0.1
18	8-Dec-10	1	4	1	267			1	4.0		267											1	<0.1
19	9-Dec-10	1	4	1	270			1	2.4		162											1	<0.1
20	10-Dec-10							1	2.0		128											1	<0.1
21	11-Dec-10	1	4	1	250	1	353	1	2.2	1	138	1	175									1	<0.1
22	12-Dec-10	1	4	1	257			1	2.6		167											1	<0.1
23	13-Dec-10	1	4	1	244			1	1.8		110											1	<0.1
24	14-Dec-10	1	4	1	254			1	3.0		190											1	<0.1
25	15-Dec-10	1	4	1	247			1	2.2		136											1	<0.1
26	16-Dec-10	1	4	1	257			1	3.2		205											1	<0.1
27	17-Dec-10							1	3.0		203											1	<0.1
28	18-Dec-10	1	4	1	314	1	262	1	3.2	1	251	1	180									1	<0.1
29	19-Dec-10	1	3	1	315			1	4.6		483											1	<0.1
30	20-Dec-10	1	3	1	263			1	3.6		315											1	<0.1
31	21-Dec-10	1	3	1	240			1	2.6		208											1	<0.1
32	22-Dec-10	1	3	1	270			1	3.4		306											1	<0.1
33	23-Dec-10	1	3	1	248			1	2.4		198											1	<0.1
34	24-Dec-10							1	3.2		251											1	<0.1
35	25-Dec-10	1	3	1	230	1	261	1	3.4	1	261	1	289									1	<0.1
36	26-Dec-10	1	4	1	320			1	3.6		288											1	<0.1
37	27-Dec-10	1	4	1	314			1	3.4		267											1	<0.1
38	28-Dec-10	1	4	1	334			1	5.2		434											1	<0.1
39	29-Dec-10	1	4	1	404			1	6.6		666											1	<0.1
40	30-Dec-10	1	4	1	344			1	4.2		361											1	<0.1
41	31-Dec-10							1	98.6	1	3.4		1	281					1	99.2	1	<0.1	
42	MONTHLY AVERAGE	4	4	291	265	98.6		3.0	2.6	232	187	99.2	ND <0.1										
44	MONTHLY HIGH	7	6	455	353	98.6		6.6	3.3	666	289	99.2	ND <0.1										
45	MONTHLY LOW	2	3	117	184	98.6		1.4	1.8	81	103	99.2	ND <0.1										
46	TOTAL RECORDINGS MO	26	4	26	4	1		31	4	31	4	1	31										
47	REQUIREMENT #1 **	MONTH AVG	WEEK AVG	MONTH AVG	WEEK AVG	> 85%		MONTH AVG	WEEK AVG	MONTH AVG	WEEK AVG	> 85%	30-D-AVG 0.1										
48	TIMES EXCEEDED	0	0	0	0	0		0	0	0	0	0	0										
49	REQUIREMENT #2 **	DAILY MAX		DAILY MAX				DAILY MAX		DAILY MAX			DAY MAX 0.2										
50	TIMES EXCEEDED	0		0				0		0			0										
51	* NUMBER OF SAMPLES EACH DAY	REMARKS:																					
52	**Mass limits do not apply during wet weather months, if precipitation causes exceedence of permitted dry weather flows.																						
53																							
54	MO SMR TOC>	M1-INF	M2-EFF1	M3-EFF2	M4-EFF3	M5-EFF4	M6-EFF5	M7-RW1	M8-RW2	M9-RW3	M10-RW4	M11-RW5	M12-RW6	M13-RW7	R								

## (3) Modifying the DATA ENTRY spreadsheet to match YOUR MRP

- Use the MRP table in your NPDES permit OR past successful paper SMRs that match your current MRP
- **Be sure to use site labels: EFF-001, INF-001, etc.**
- Recommend creating template with 31 days for daily & 5/day week tests, deleting rows at end of month

# BOD example (5 days/wk)

1210 DEC 2010 EWWTP Ops Log-SMR-eSMR (PET 2.3 rev 011911 AMP).xls [Compatibility Mode] - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Acrobat

Clipboard Font Alignment Number Styles Cells Editing

	A	B	C	E	F	G	H	I	J	K	L	M	N	P	Q	R
1	Monitoring Point	Parameter	Data Type	Analytical Method	Collection Date	Collection Time	Analysis Date	Qualifier	Result	Units	MDL	ML	RL	QA Code	Priority Review	Comment
645	EFF-001	Electrical Conductivity @ 25 Deg. C	Single	Standard Method (19th) 2510 B: Specific Conductanc	12/27/2010	8:07	12/27/2010	=	1050	umhos/cm						
646	EFF-001	Electrical Conductivity @ 25 Deg. C	Single	Standard Method (19th) 2510 B: Specific Conductanc	12/28/2010	8:35	12/28/2010	=	1070	umhos/cm						
647	EFF-001	Electrical Conductivity @ 25 Deg. C	Single	Standard Method (19th) 2510 B: Specific Conductanc	12/29/2010	7:48	12/29/2010	=	1020	umhos/cm						
648	EFF-001	Electrical Conductivity @ 25 Deg. C	Single	Standard Method (19th) 2510 B: Specific Conductanc	12/30/2010	8:17	12/30/2010	=	966	umhos/cm						
649	EFF-001	Electrical Conductivity @ 25 Deg. C	Single	Standard Method (19th) 2510 B: Specific Conductanc	12/31/2010	9:05	12/31/2010	=	989	umhos/cm						
650	EFF-001	Total Dissolved Solids (TDS)	Single	Standard Method (19th) 2540 C: Total Diss. Solids at	12/7/2010	8:45	12/9/2010	=	632	mg/L						
651	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Monthly (AMEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/31/2010	23:59	12/31/2010	=	4	mg/L							
652	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/4/2010	23:59	12/4/2010	=	3	mg/L							
653	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/11/2010	23:59	12/11/2010	=	6	mg/L							
654	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/18/2010	23:59	12/18/2010	=	4	mg/L							
655	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/25/2010	23:59	12/25/2010	=	3	mg/L							
656	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/1/2010	6:32	12/3/2010	=	2	mg/L							
657	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/2/2010	6:32	12/3/2010	=	3	mg/L							
658	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/4/2010	6:35	12/6/2010	=	5	mg/L							
659	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/5/2010	6:35	12/6/2010	=	7	mg/L							
660	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/6/2010	6:32	12/8/2010	=	7	mg/L							
661	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/7/2010	6:32	12/8/2010	=	7	mg/L							
662	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/8/2010	6:32	12/10/2010	=	4	mg/L							
663	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/9/2010	6:32	12/10/2010	=	4	mg/L							
664	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/11/2010	9:47	12/13/2010	=	4	mg/L							
665	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/12/2010	9:40	12/13/2010	=	4	mg/L							
666	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/13/2010	6:32	12/15/2010	=	4	mg/L							
667	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/14/2010	6:32	12/15/2010	=	4	mg/L							
668	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/15/2010	6:32	12/17/2010	=	4	mg/L							
669	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/16/2010	6:46	12/17/2010	=	4	mg/L							
670	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/18/2010	6:30	12/20/2010	=	4	mg/L							
671	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/19/2010	7:35	12/20/2010	=	3	mg/L							
672	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/20/2010	6:58	12/22/2010	=	3	mg/L							
673	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/21/2010	6:32	12/22/2010	=	3	mg/L							
674	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/22/2010	6:32	12/24/2010	=	3	mg/L							
675	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/23/2010	6:57	12/24/2010	=	3	mg/L							
676	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/25/2010	8:12	12/26/2010	=	3	mg/L							
677	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/26/2010	10:14	12/26/2010	=	4	mg/L							
678	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/27/2010	6:32	12/28/2010	=	4	mg/L							
679	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/28/2010	6:32	12/28/2010	=	4	mg/L							
680	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/29/2010	6:32	12/30/2010	=	4	mg/L							
681	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/30/2010	6:40	12/30/2010	=	4	mg/L							
682	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Monthly (AMEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/31/2010	23:59	12/31/2010	=	265	lb/day							
683	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/4/2010	23:59	12/4/2010	=	184	lb/day							
684	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/11/2010	23:59	12/11/2010	=	353	lb/day							
685	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/18/2010	23:59	12/18/2010	=	262	lb/day							
686	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Average Weekly (AWEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/25/2010	23:59	12/25/2010	=	261	lb/day							
687	EFF-001	BOD5 @ 20 Deg. C, Percent Removal	Average Monthly (AMEL)	Standard Method (18th) 5210: Biochemical Oxygen D	12/31/2010	23:59	12/31/2010	=	98.6	%						
688	EFF-001	Biochemical Oxygen Demand (BOD) (5-dt Single	Standard Method (18th) 5210: Biochemical Oxygen D	12/1/2010	6:32	12/3/2010	=	117	lb/day							

DMR Mo & Qtr INF-p1 EFF-p1 EFF-p2 EFF-p3 EFF-p4 22-Sample times 23-Online Mont Times Data Entry

Ready Desktop Tony's Links 3:35 PM 3/8/2011

# For weekly or less frequent testing, manual entry of individual points is needed

1210 DEC 2010 EWWTP Ops Log-SMR-eSMR (PET 2.3 rev 011911 AMP).xls [Compatibility Mode] - Microsoft Excel

Monitoring Point	Parameter	Data Type	Analytical Method	Collection Date	Collection Time	Analysis Date	Qualifier	Result	Units	MDL	ML	RL	QA Code	Priority Review	Comment
846	EFF-001	Dissolved Oxygen	Single	Standard Method (19th) 4500-O G-Diss. O by Membr	12/29/2010	8:30	12/29/2010	=	7.8	mg/L					
847	EFF-001	Dissolved Oxygen	Single	Standard Method (19th) 4500-O G-Diss. O by Membr	12/30/2010	9:39	12/30/2010	=	7.9	mg/L					
848	EFF-001	Dissolved Oxygen	Single	Standard Method (19th) 4500-O G-Diss. O by Membr	12/31/2010	9:25	12/31/2010	=	8.3	mg/L					
849	EFF-001	Ammonia, Total (as N)	Average Monthly (AMEL)	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/31/2010	23:59	12/31/2010	ND		mg/L	0.1				
850	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/7/2010	8:25	12/28/2010	ND		mg/L	0.1				
851	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/14/2010	8:15	12/28/2010	ND		mg/L	0.1				
852	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/22/2010	8:56	12/28/2010	ND		mg/L	0.1				
853	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/28/2010	8:35	12/28/2010	ND		mg/L	0.1				
854	EFF-001	Ammonia, Total (as N)	Average Monthly (AMEL)	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/31/2010	23:59	12/31/2010	<		lb/day	7.5				
855	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/7/2010	8:25	12/28/2010	<		lb/day	6.2				
856	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/14/2010	8:15	12/28/2010	<		lb/day	6.3				
857	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/22/2010	8:56	12/28/2010	<		lb/day	9.0				
858	EFF-001	Ammonia, Total (as N)	Single	Standard Method (19th) 4500-NH: Nitrogen (Ammonia	12/28/2010	8:35	12/28/2010	<		lb/day	8.3				
859	EFF-001	Nitrate, Total (as N)	Average Monthly (AMEL)	Inorganic Anions by Ion Chromatography [E300.0]	12/31/2010	23:59	12/31/2010	=	22.1	mg/L				Yes	R5-2008-0056-01 Interim Limit of 30 mg/L applies
860	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/7/2010	8:25	12/7/2010	=	21.1	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
861	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/14/2010	8:15	12/14/2010	=	24.6	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
862	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/22/2010	8:56	12/22/2010	=	21.0	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
863	EFF-001	Nitrate, Total (as N)	Single	Inorganic Anions by Ion Chromatography [E300.0]	12/28/2010	8:35	12/28/2010	=	21.6	mg/L					R5-2008-0056-01 Interim Limit of 30 mg/L applies
864	EFF-001	Oil and Grease	Single	Standard Method 5520 B: Oil & Grease Partition-Grav	12/7/2010	8:25	12/15/2010	ND		mg/L	1.5	5	5.0		
865	EFF-001	Mercury, Total	Single	Mercury - CVA Fluorescence Spectrometry [E245.7]	12/7/2010	8:25	12/14/2010	=	1.1	ng/L					
866	EFF-001	Methyl Mercury	Single	Methyl Mercury in Water by Distillation [E1630]	12/7/2010	8:25	12/15/2010	ND		ng/L	0.02	0.02	0.05		
867	EFF-001	Acute Toxicity	Single	Acute Toxicity Test with Effluents and Receiving Wat	12/6/2010	11:22	12/7/2010	=	100	% survival					
868	EFF-001	Acute Toxicity	3-Sample Median	Acute Toxicity Test with Effluents and Receiving Wat	12/6/2010	23:59	12/6/2010	=	95	% survival					
869	EFF-001	Cyanide, Total (as CN)	Average Monthly (AMEL)	Standard Method (19th) 4500-CN E: Colorimetric Meth	12/9/2010	23:59	12/31/2010	ND		ug/L	0.6	3.0	3.0		
870	EFF-001	Cyanide, Total (as CN)	Single	Standard Method (19th) 4500-CN E: Colorimetric Meth	12/9/2010	9:07	12/9/2010	ND		ug/L	0.6	3.0	3.0		
871	EFF-001	Chlorodibromomethane	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	3.4	ug/L				Yes	R5-2008-0056-01 Interim Limit of 14 ug/L applies
872	EFF-001	Chloroform	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	47.8	ug/L					
873	EFF-001	Dichlorobromomethane	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	18.1	ug/L				Yes	R5-2008-0056-01 Interim Limit of 43 ug/L applies
874	EFF-001	Bromoform	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	DNQ	0.13	ug/L	0.04	0.2	0.2		
875	EFF-001	Total Trihalomethanes (TTHM)	Single	Volatile Organic Compounds EPA Method 624 [E624]	12/7/2010	8:25	12/14/2010	=	69.4	ug/L					
876	EFF-001	Chlorodibromomethane	Average Monthly (AMEL)	Volatile Organic Compounds EPA Method 624 [E624]	12/9/2010	23:59	12/31/2010	=	3.4	ug/L				Yes	R5-2008-0056-01 Interim Limit of 14 ug/L applies
877	EFF-001	Dichlorobromomethane	Average Monthly (AMEL)	Volatile Organic Compounds EPA Method 624 [E624]	12/9/2010	23:59	12/31/2010	=	18.1	ug/L				Yes	R5-2008-0056-01 Interim Limit of 43 ug/L applies
878	EFF-001	Total Trihalomethanes (TTHM)	Average Monthly (AMEL)	Volatile Organic Compounds EPA Method 624 [E624]	12/9/2010	23:59	12/31/2010	=	69.4	ug/L					
879	EFF-001	Mercury, Total	Annual Loading	Mercury - CVA Fluorescence Spectrometry [E245.7]	12/31/2010	23:59	12/31/2010	=	0.0493	lbs					
880	RSW-003	Flow	Single	Data Unavailable [DU]	12/7/2010	10:08	12/7/2010	=	7.0	CFS					
881	RSW-003	Flow	Single	Data Unavailable [DU]	12/14/2010	10:03	12/14/2010	=	14.0	CFS					
882	RSW-003	Flow	Single	Data Unavailable [DU]	12/22/2010	10:26	12/22/2010	=	26.9	CFS					
883	RSW-003	Flow	Single	Data Unavailable [DU]	12/28/2010	11:34	12/28/2010	=	14.0	CFS					
884	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/7/2010	10:17	12/7/2010	=	60.3	Degrees F					
885	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/14/2010	10:12	12/14/2010	=	62.5	Degrees F					
886	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/22/2010	10:40	12/22/2010	=	59.8	Degrees F					
887	VOL-CONF	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/28/2010	11:42	12/28/2010	=	60.2	Degrees F					
888	VOL-OUT	Temperature	Single	Standard Method (19th) 2550 B: Temperature, Lab an	12/7/2010	9:44	12/7/2010	=	66.2	Degrees F					

DMR Mo & Qtr INF-p1 EFF-p1 EFF-p2 EFF-p3 EFF-p4 22-Sample times 23-Online Monit Times Data Entry

# Specific Template Editing

- **DATA ENTRY table columns for eSMR<sup>2</sup>:**
  - 1) **Monitoring Point**: EFF-001, INF-001, etc. (see MRP)
  - 2) **Parameter**: Choose from “drop down menu” to match MRP
  - 3) **Data Type**: “Single” is a lab data point; “Average Monthly”, “Average Weekly”, etc. are calculated. Calculated results are different than single lab data (affects qualifer and reporting MDL, ML, RL – more later)
  - 4) **Analytical Method**: Choose from “drop down menu”. This can be tricky, as some methods are hard to find.

# Specific Template Editing

- **DATA ENTRY table columns for eSMR<sup>2</sup>:**
  - 5) Collection Date: Grab date, or composite date
  - 6) Collection Time: Grab time or composite time
  - 7) Analysis Date: Date of Analysis (started date)
  - 8) Qualifier: Choose from “drop down menu”, including “=”, “<”, “>”, “ND”, “DNQ”, “</=”, and “>/=”.  
**IMPORTANT: Use “ND” for non-detect lab data; Use “<” for CALCULATED results (loadings, etc.)**
  - 9) Result: Lab result or Calculated value.
  - 10) Units: Choose from “drop down menu”

# Specific Template Editing

- **DATA ENTRY table columns for eSMR<sup>2</sup>:**
  - 11) **MDL**: ONLY required if “ND” lab result or “<” calculated value is reported
  - 12) **ML**: ONLY required if result is “DNQ”
  - 13) **RL**: ONLY required if result is “DNQ”
  - 14) **QA Code**: (Optional) Choose from “drop down menu” if the result reported needs explanation or is problematic (lab error, etc.)
  - 15) **Priority Review**: Choose “Yes” for a permit exceedance or to alert your regulator of an issue
  - 16) **Comment**: (Optional) To explain an issue in 50 characters or less.

## Step (4): Add data to your template

- Recommend using past paper SMR for reference
- **Collection times and Analytical dates will need to be tracked – and reported with each data point**
- If you have database management resources to upload data into your template – or create the upload file from a database or LIMS – you're in a good place... 😊

## Step (5): Install the CDF Tool

- Using the PET Tool, you MUST install the CDF Tool program to convert your data into a zipped CDF upload file
- You will likely need administrative IT support to install the CDF Tool – *so don't wait until the last minute...*
- If your LIMS or database creates the CDF file, you don't need the CDF tool (or PET Tool)

# Step (6) – Create the CDF Upload File

- Click the “**Create CDF Upload File**” button on the “GENERAL” tab and save the file.

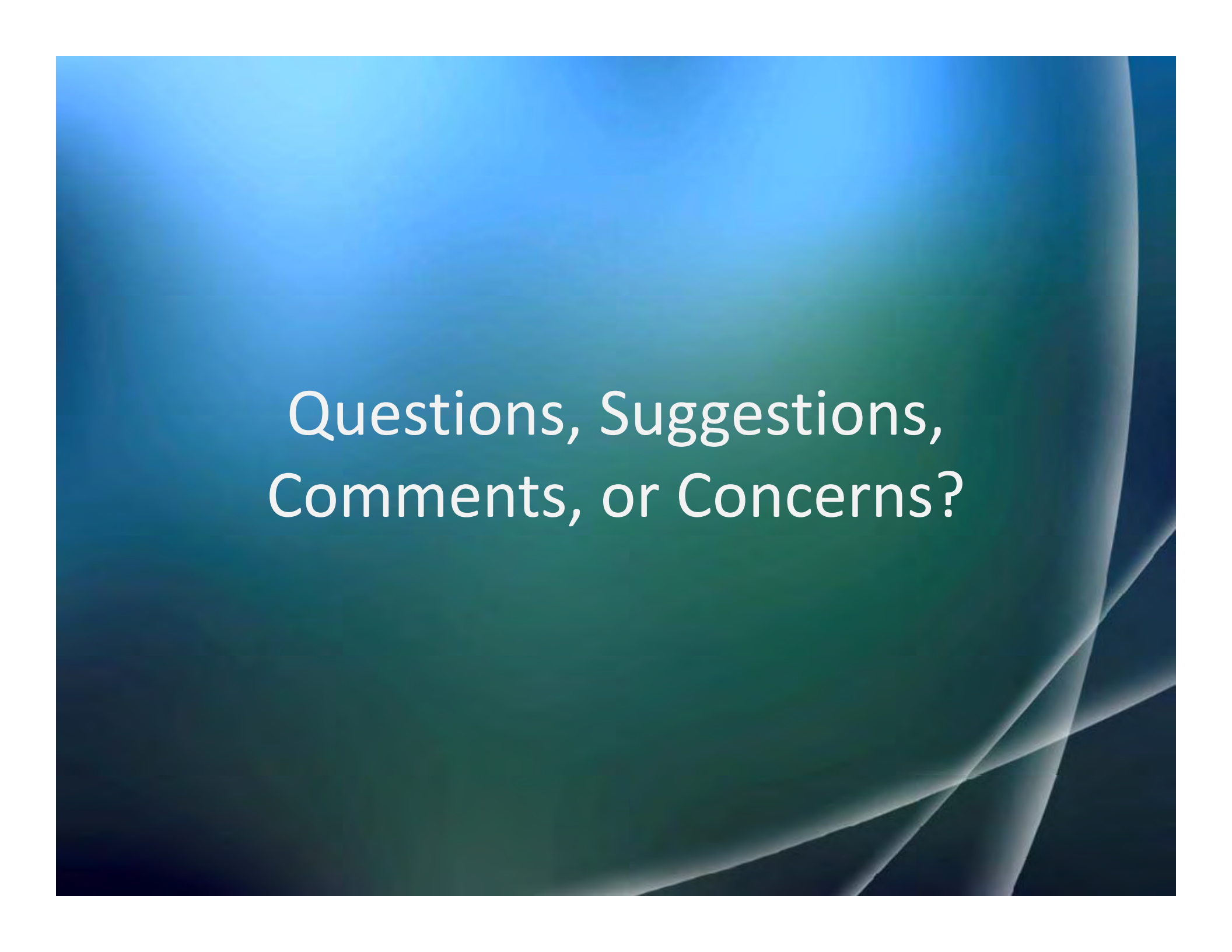
Permittee Entry Template (PET) Tool

Agency Name:		
CITY OF VACAVILLE		
Facility Name:		
EASTERLY WASTEWATER TREATMENT PLANT		
Order No. (RX-XXXX-XXXX)	Reporting Period	
R5-2008-0055-01	12/01/2010 - 12/31/2010	
Data Entered By:	Key: Red Outline = Required Blue Outline = Optional	
TONY PIRONDINI		
QA Performed By:		
TRAVIS PETERSON		
Analytical Lab Contact Information		
Name	Location	Contact & Phone Number
TONY PIRONDINI	ELMIRA, CA	707-469-6400
Additional Notes:		
<b>Create CDF for Upload</b>		

Version 2.3 (11-17-2010)

## Step (7) – Upload the File to CIWQS

- The assigned Data Submitter needs to log in on the CIWQS website, then upload the zipped file created in Step (6)
- Once uploaded, an “Error Report” will be created.
- **Step (8)** - You will need to go back to Step (4) and edit the report, create another zipped upload file, and upload the corrected file again. *Expect at least two attempts per month.*
- **Step (9)** – Final Review and LRO Approve = Done



Questions, Suggestions,  
Comments, or Concerns?