

eSMR 2.5 Training

electronic DMR submittal

Presenters:

Renan Jauregui , Gil Vazquez , Rassam Zarghami₁

Ground Rules

- *Clarifying questions are welcome*
 - *“Slow down!”*
 - *“Can you Repeat?”*
- *Hold other requests until the end*
- *Send chat to the host*

Agenda

- *US EPA Electronic Reporting Rule Overview*
- *Discharge Monitoring Report Overview*
- *Navigating the DMR Dashboard/Demo*
- *How to enter DMR data*
 - *Web entry form*
 - *Uploading data points*
- *Linking and Unlinking DMRs*
- *Submittal*
- *Withdraw / Correction*
- *More Information*

US EPA Electronic Reporting Rule Overview

- *US EPA requires electronic submittal of Discharge Monitoring Reports (DMRs) for entry into their information system.*
- *All NPDES Minor facilities will be required to submit electronic DMRs by December 2016.*

Discharge Monitoring Report (DMR) Overview

What is a DMR?

- *DMRs are summarized results of your reporting requirements and are based on your NPDES permit.*
- *DMRs are similar but NOT exactly the same as SMRs (Self-Monitoring Reports).*
- *DMRs are for reporting to US EPA, while SMRs are for reporting to the State.*

DMR Overview

- Copies of adopted orders are sent to EPA and associated requirements are entered into USEPA's database, thus creating USEPA DMRs*
- EPA's DMR requirements are copied into CIWQS/eSMR*
- DMRs are associated to eSMRs*
- Accessing an eSMR allows access to DMR(s)*
- When an eSMR is submitted, the associated DMRs are also submitted*
- The DMR data is then automatically transferred to USEPA's database system*

DMR Example

eSMR PDF Summary: DMR

NPDES Permit #: CA0000051

Facility: PHILLIPS SANTA MARIA REFINERY

DMR Parameters

Feature - LS: 001-A				Monitoring Period: 02/01/2016 - 02/29/2016							
Loc	Sea	Param	Param Text	Q1	Q2	C1	C2	C3	Excur Count	Analy Freq	Sample Type
1	0	00011	Temperature, water deg. fahrenheit					77.0 deg F Instantaneous Maximum	0	Weekly	GRAB
1	0	00400	pH			7.3 SU Minimum		7.82 SU Maximum	0	Weekly	GRAB
1	0	00530	Solids, total suspended	82.0 lb/d Monthly Average	98.0 lb/d Daily Maximum		19.0 mg/L Monthly Average	22.0 mg/L Daily Maximum	0	Weekly	GRAB
1	0	00545	Solids, settleable				NODI: B Monthly Average	NODI: B Daily Maximum		Weekly	GRAB
1	0	00610	Nitrogen, ammonia total (as N)	1.12 lb/d Monthly Average	1.12 lb/d Daily Maximum			0.26 mg/L Daily Maximum	0	Monthly	GRAB
1	0	00745	Sulfide, total (as S)	NODI: B Monthly Average	NODI: B Daily Maximum			NODI: B Daily Maximum		Monthly	GRAB
1	0	03582	Oil and grease	6.7 lb/d Monthly Average	26.8 lb/d Daily Maximum		1.5 mg/L Monthly Average	6.0 mg/L Daily Maximum	0	Weekly	GRAB
1	0	50050	Flow, in conduit or thru treatment plant	0.51 Mgal/d Monthly Average	0.559 Mgal/d Daily Maximum				0	Daily	METER
1	0	81017	Chemical Oxygen Demand (COD)	1003.0 lb/d Monthly Average	1365.0 lb/d Daily Maximum			320.0 mg/L Daily Maximum	0	Weekly	GRAB

DMR Example

eSMR PDF Summary: DMR

NPDES Permit #: CA0000051

Facility: PHILLIPS SANTA MARIA REFINERY

DMR Parameters

Feature - LS: 001-A				Monitoring Period: 02/01/2016 - 02/29/2016							
Loc	Sea	Param	Param Text	Q1	Q2	C1	C2	C3	Excur Count	Analy Freq	Sample Type
1	0	00011	Temperature, water deg. fahrenheit					77.0 deg F Instantaneous Maximum	0	Weekly	GRAB
1	0	00400	pH			7.3 SU Minimum		7.82 SU Maximum	0	Weekly	GRAB
1	0	00530	Solids, total suspended	82.0 lb/d Monthly Average	98.0 lb/d Daily Maximum		19.0 mg/L Monthly Average	22.0 mg/L Daily Maximum	0	Weekly	GRAB
1	0	00545	Solids, settleable				NODI: B Monthly Average	NODI: B Daily Maximum		Weekly	GRAB
1	0	00610	Nitrogen, ammonia total (as N)	1.12 lb/d Monthly Average	1.12 lb/d Daily Maximum			0.26 mg/L Daily Maximum	0	Monthly	GRAB
1	0	00745	Sulfide, total (as S)	NODI: B Monthly Average	NODI: B Daily Maximum			NODI: B Daily Maximum		Monthly	GRAB
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1	0	50050	Flow, in conduit or thru treatment plant	0.51 Mgal/d Monthly Average	0.559 Mgal/d Daily Maximum				0	Daily	METER
1	0	81017	Chemical Oxygen Demand (COD)	1003.0 lb/d Monthly Average	1365.0 lb/d Daily Maximum			320.0 mg/L Daily Maximum	0	Weekly	GRAB

DMR Example

eSMR PDF Summary: DMR

NPDES Permit #: CA0000051

Facility: PHILLIPS SANTA MARIA REFINERY

DMR Parameters

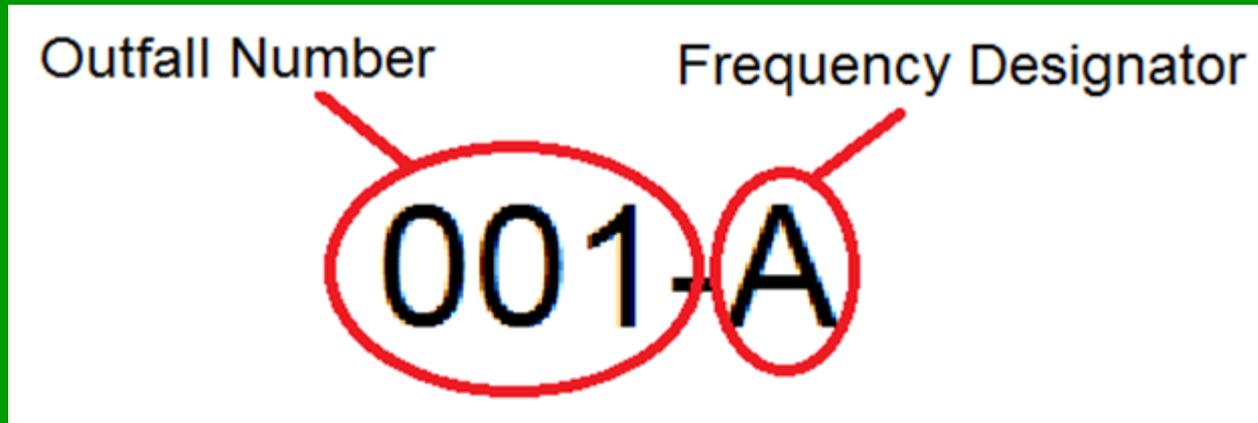
Feature - LS: 001-A

Monitoring Period: 02/01/2016 - 02/29/2016

Loc	Sea	Param	Param Text	Q1	Q2	C1	C2	C3	Excur Count	Analy Freq	Sample Type
1	0	00011	Temperature, water deg. fahrenheit					77.0 deg F Instantaneous Maximum	0	Weekly	GRAB
1	0	00400	pH			7.3 SU Minimum		7.82 SU Maximum	0	Weekly	GRAB
1	0	00530	Solids, total suspended	82.0 lb/d Monthly Average	98.0 lb/d Daily Maximum		19.0 mg/L Monthly Average	22.0 mg/L Daily Maximum	0	Weekly	GRAB
1	0	00545	Solids, settleable				NODI: B Monthly Average	NODI: B Daily Maximum		Weekly	GRAB
1	0	00610	Nitrogen, ammonia total (as N)	1.12 lb/d Monthly Average	1.12 lb/d Daily Maximum			0.26 mg/L Daily Maximum	0	Monthly	GRAB
1	0	00745	Sulfide, total (as S)	NODI: B Monthly Average	NODI: B Daily Maximum			NODI: B Daily Maximum		Monthly	GRAB
1	0	03582	Oil and grease	6.7 lb/d Monthly Average	26.8 lb/d Daily Maximum		1.5 mg/L Monthly Average	6.0 mg/L Daily Maximum	0	Weekly	GRAB
1	0	50050	Flow, in conduit or thru treatment plant	0.51 Mgal/d Monthly Average	0.559 Mgal/d Daily Maximum				0	Daily	METER
1	0	81017	Chemical Oxygen Demand (COD)	1003.0 lb/d Monthly Average	1365.0 lb/d Daily Maximum			320.0 mg/L Daily Maximum	0	Weekly	GRAB

DMR Example

Feature Limit Set



Commonly used reporting frequency designators:

A – Monthly

Q – Quarterly

S – Semi-Annual

Y – Annually or Yearly

R – Special Reporting Frequency

DMR Example

eSMR PDF Summary: DMR

NPDES Permit #: CA0000051

Facility: PHILLIPS SANTA MARIA REFINERY

DMR Parameters

Feature - LS: 001-A				Monitoring Period: 02/01/2016 - 02/29/2016							
Loc	Sea	Param	Param Text	Q1	Q2	C1	C2	C3	Excur Count	Analy Freq	Sample Type
1	0	00011	Temperature, water deg. fahrenheit					77.0 deg F Instantaneous Maximum	0	Weekly	GRAB
1	0	00400	pH			7.3 SU Minimum		7.82 SU Maximum	0	Weekly	GRAB
1	0	00530	Solids, total suspended	82.0 lb/d Monthly Average	98.0 lb/d Daily Maximum		19.0 mg/L Monthly Average	22.0 mg/L Daily Maximum	0	Weekly	GRAB
1	0	00545	Solids, settleable				NODI: B Monthly Average	NODI: B Daily Maximum		Weekly	GRAB
1	0	00610	Nitrogen, ammonia total (as N)	1.12 lb/d Monthly Average	1.12 lb/d Daily Maximum			0.26 mg/L Daily Maximum	0	Monthly	GRAB
1	0	00745	Sulfide, total (as S)	NODI: B Monthly Average	NODI: B Daily Maximum			NODI: B Daily Maximum		Monthly	GRAB
1	0	03582	Oil and grease	6.7 lb/d Monthly Average	26.8 lb/d Daily Maximum		1.5 mg/L Monthly Average	6.0 mg/L Daily Maximum	0	Weekly	GRAB
1	0	50050	Flow, in conduit or thru treatment plant	0.51 Mgal/d Monthly Average	0.559 Mgal/d Daily Maximum				0	Daily	METER
1	0	81017	Chemical Oxygen Demand (COD)	1003.0 lb/d Monthly Average	1365.0 lb/d Daily Maximum			320.0 mg/L Daily Maximum	0	Weekly	GRAB

DMR Example

PARAMETER

QUANTITY/MASS

CONCENTRATION

Param Text	Q1	Q2	C1	C2	C3
Temperature, water deg. fahrenheit					77.0 deg F Instantaneous Maximum
pH			7.3 SU Minimum		7.82 SU Maximum
Solids, total suspended	82.0 lb/d Monthly Average	98.0 lb/d Daily Maximum		19.0 mg/L Monthly Average	22.0 mg/L Daily Maximum
Solids, settleable				NODI: B Monthly Average	NODI: B Daily Maximum
Nitrogen, ammonia total (as N)	1.12 lb/d Monthly Average	1.12 lb/d Daily Maximum			0.26 mg/L Daily Maximum

DMR Example

eSMR PDF Summary: DMR

NPDES Permit #: CA0005240

Facility: C&H SUGAR REFINERY

DMR Parameters

Feature - LS: 001-A				Monitoring Period: 07/01/2016 - 07/31/2016							
Loc	Sea	Param	Param Text	Q1	Q2	C1	C2	C3	Excur Count	Analy Freq	Sample Type
1	0	00010	Temperature, water deg. centigrade					27.0 deg C Instantaneous Maximum	0	See Permit	GRAB
1	0	00095	Specific conductance					29000.0 umho/cm Daily Maximum	0	Monthly	COMP24
1	0	00310	BOD, 5-day, 20 deg. C	NODI: B Monthly Average	NODI: B Daily Maximum		NODI: B Monthly Average	NODI: B Daily Maximum		Weekly	COMP24
1	0	00400	pH			7.3 SU Minimum		7.86 SU Maximum	0	See Permit	GRAB
1	0	50050	Flow, in conduit or thru treatment plant	13.97 Mgal/d Monthly Average	24.06 Mgal/d Daily Maximum				0	Continuous	CONTIN
2	0	00310	BOD, 5-day, 20 deg. C	NODI: B Monthly Average	NODI: B Daily Maximum					Weekly	CALCTD

DMR Example

Analy Freq	Sample Type
See Permit	GRAB
Monthly	COMP24
Continuous	CONTIN
Weekly	CALCTD

FREQUENCY OF ANALYSIS

SAMPLE TYPE

Commonly used frequency of analysis:

- *Daily*
- *Weekly*
- *Monthly*
- *Quarterly*
- *Semi-Annually*
- *Annually*
- *Continuous*

Commonly used sample types:

- *Grab*
- *24 hour Composite*
- *Continuous*
- *Calculated*

Navigating the DMR Dashboard using CIWQS

California Integrated Water Quality System (CIWQS)

User ID:

Password:

Login

User Registration

SMARTS URL

Forgot your password? [Reset your password here](#)

Forgot your User ID? [Get your User ID here](#)

Self Monitoring Report (SMR)

Facility Name:	<input type="text" value="test"/>
Related Regulatory Measure Identifier:	<input type="text"/> <input type="text" value="All"/>
<input type="button" value="Search"/>	<input type="button" value="Download/Upload SMR Receipt Data"/>

Select the facility for which you are submitting this Self Monitoring Report

Facility	Facility Physical Address	Responsible A
Test	1001 North I Street Sacramento, CA 95814	

Navigating the DMR Dashboard using CIWQS

California Integrated Water Quality System (CIWQS)

User ID:

Password:

Login

User Registration

SMARTS URL

Forgot your password? [Reset your password here](#)

Forgot your User ID? [Get your User ID here](#)

Navigating the DMR Dashboard using CIWQS

Main Menu

- [Submit/Review SMR or DMR Reports](#)
- [Run Reports](#)
- [View/Change My Personal Information](#)
- [Administer System](#)

Navigating the DMR Dashboard using CIWQS

Self Monitoring Report (SMR)

Facility Name:

test

Related Regulatory Measure
Identifier:

All

Search

Download/Upload SMR Receipt Data

Select the facility for which you are submitting this Self Monitoring Report

Facility	Facility Physical Address	Responsible A
Test	1001 North I Street Sacramento, CA 95814	

Navigating the DMR Dashboard using CIWQS

SMR / DMR Reporting

Facility Name: Test

Order Number: 2009-TEST_DWQ

Water Board Office: Region 5S - Sacramento

Case Worker:

Reporting Level: Level II

All Electronic Date: 08/21/2010

To review or submit a report, select it from the list below. To change the list of reports, check the status types and/or enter start and end dates.

Show reports that meet these criteria

Status:

- Submitted - report was already submitted to water board
- In-Progress - report has been edited but not submitted
- Past Due - report deadline has passed and report has not been submitted
- Future - report due date is in the future
- Withdrawn - report has been withdrawn

Show Report Due Between: and

Search results:

[Export to Excel](#) Show:

Previous Next

ID	Report Name	Type	Frequency	Reporting Period	Due Date	Status	Date Received	Date Reviewed	Certified Violations	Report	Withdrawal
1551922	August 2015	MONNPDES	Monthly	08/01/2015 - 08/31/2015	09/15/2015	Submitted Past Due	12/28/2015		No	Download Report	
1652129	2015	MONNPDES	Once Per 5 Years	01/01/2015 - 01/01/2020	02/01/2020	Submitted	12/28/2015		No	Download Report	
1551921	July 2015	MONNPDES	Monthly	07/01/2015 - 07/31/2015	08/15/2015	Withdrawn	07/13/2015		No		

Navigating the DMR Dashboard using CIWQS

No Discharge | EDF/CDF | Analytical Data | Calculated Data | Data Summary | Attachments | **Violations** | **DMR** | Submittal

DMR Dashboard

Feature - Limit Set Click to edit	Monitoring Period	Due Date	NODI	Status	
001-A	08/01/2014 - 08/31/2014	10/01/2014		Empty	Unlink
002-A	08/01/2014 - 08/31/2014	10/01/2014		Incomplete	Unlink
003-A	08/01/2014 - 08/31/2014	10/01/2014	9 - Conditional Monitoring - Not Required This Period	NODI	Unlink
INF-A	08/01/2014 - 08/31/2014	10/01/2014		Complete	Unlink

Add DMR to this Report

All DMRs have been matched.

[Upload / Manage Files](#)

[DMR PDF Report](#)

How to enter DMR data

Manual Entry: Web form

	Quantity or Loading			Quality or Concentration			
	Q1 (avg)	Q2 (max)	Units	C1 (min)	C2 (avg)	C3 (max)	
00010 - Temperature, water deg. centigrade				Feature: 001		Monitoring Loc.: 1 (Effluent Gross)	
				Season: 0		Comments: Show !	
Sample						= <input type="text"/>	deg C <input type="text"/>
Permitted						= Req Mon Instantaneous Maximum	Degrees Centigrade <input type="text"/>
NODI						<input type="text"/>	Frequency: Daily <input type="text"/>
Source: Web Entry • Parameter 001-00010 with value type C3 is not complete.							
Save Parameter							
00070 - Turbidity				Feature: 001		Monitoring Loc.: 1 (Effluent Gross)	
				Season: 0		Comments: Show !	
Sample						= <input type="text"/>	NTU <input type="text"/>
Permitted						<= 10 Instantaneous Maximum	Nephelometric Turbidity Units <input type="text"/>
NODI						<input type="text"/>	Frequency: Daily <input type="text"/>
Source: Web Entry • Parameter 001-00070 with value type C3 is not complete.							
Save Parameter							

How to enter DMR data

Uploading data points: Formatted text file

```
permitted_feature_id,limit_set_txt,mped_txt,parameter_cd,monitor_location_cd,season_num,quant_1_nodi_cd,quant_1_quali
fier_txt,quant_1_sample_num,quant_1_effluent_num,quant_2_nodi_cd,quant_2_qualifier_txt,quant_2_sample_num,quant_2_eff
luent_num,quant_uom_cd,conc_1_nodi_cd,conc_1_qualifier_txt,conc_1_sample_num,conc_1_effluent_num,conc_2_nodi_cd,conc_
2_qualifier_txt,conc_2_sample_num,conc_2_effluent_num,conc_3_nodi_cd,conc_3_qualifier_txt,conc_3_sample_num,conc_3_ef
fluent_num,conc_uom_cd,excursions_num,freq_analysis_cd,sample_type_cd
001,A,2014-06-30,00011,1,0,,,,,,,,,,,,,=,91,,15,0,99/99,CN
001,A,2014-06-30,00400,1,0,,,,,,,,,,,,,=,7.0,,,,,,,,=,8.0,,12,0,99/99,CN
001,A,2014-06-30,00530,1,0,B,,,B,,,,,,,,,,,,,B,,,,,0,,
001,A,2014-06-30,00545,1,0,,,,,,,,,,,,,=,0.05,,,,=,0.05,,25,0,01/30,GR
001,A,2014-06-30,00720,1,0,,,,,,,,,,,,,B,,,,,B,,,,,0,,
001,A,2014-06-30,01074,1,0,,,,,,,,,,,,,=,1.6,,,=,1.6,,28,0,01/30,24
001,A,2014-06-30,01079,1,0,B,,,B,,,,,,,,,,,,,B,,,,,0,,
001,A,2014-06-30,01094,1,0,=,0.9,,,=,0.9,,26,,,,,,,,,,,,=,11,,28,0,01/30,24
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001,A,2014-06-30,01114,1,0,B,,,B,,,,,,,,,,,,,B,,,,,0,,
001,A,2014-06-30,01118,1,0,Q,,,Q,,,,,,,,,,,,,Q,,,,,0,,
001,A,2014-06-30,01119,1,0,,,,,,,,,,,,,=,1.5,,,=,1.5,,28,0,01/30,24
001,A,2014-06-30,03582,1,0,Q,,,Q,,,,,,,,,,,,,Q,,,,,0,,
001,A,2014-06-30,32102,1,0,,,,,,,,,,,,,B,,,B,,,,,0,,
001,A,2014-06-30,34475,1,0,,,,,Q,,,,,,,,,,,,,Q,,,,,0,,
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001,A,2014-06-30,39330,1,0,,,,,,,,,,,,,B,,,B,,,,,0,,
001,A,2014-06-30,50050,1,0,=,7.81,,,=,12.52,,03,,,,,,,,,,,,,0,99/99,CN
001,A,2014-06-30,71901,1,0,,,,,,,,,,,,,B,,,B,,,,,0,,
001,A,2014-06-30,TRX6I,1,0,,,,,,,,,,,,,=,100,,,=,100,,,,,2T,0,01/14,24
001,A,2014-06-30,01119,P,0,,,,,,,,,,,,,9,,,,,,,,,
001,Q,2014-06-30,TTK3R,1,0,,,,,,,,,,,,,=,2.0,,,=,3.3,,2G,0,01/90,24
002,A,2014-06-30,00400,1,0,,,,,,,,,,,,,C,,,,,C,,,,,
002,A,2014-06-30,00530,1,0,,,,,,,,,,,,,C,,,,,C,,,,,
002,A,2014-06-30,03582,1,0,,,,,,,,,,,,,C,,,,,C,,,,,
002,A,2014-06-30,50050,1,0,C,,,C,,,,,,,,,,,,,
002,A,2014-06-30,71901,1,0,,,,,,,,,,,,,C,,,,,C,,,,,
INT1,A,2014-06-30,01119,G,0,,,,,,,,,,,,,=,2.3,,28,0,01/30,24
INT2,A,2014-06-30,01119,G,0,,,,,,,,,,,,,=,5.2,,28,0,01/30,24
```

How to revise DMR data

Web entry form – use web entry to make corrections

Uploading data points – delete old file, make changes and re-upload.

Linking and Unlinking DMRs

No Discharge | EDF/CDF | Analytical Data | Calculated Data | Data Summary | Attachments | Violations | DMR | Submittal

DMR Dashboard

Feature - Limit Set Click to edit	Monitoring Period	Due Date	NODI	Status	
001-A	05/01/2014 - 05/31/2014	07/01/2014	<input type="text"/>	Empty	Unlink

Add DMR to this Report

Submittal

Create a pdf report

eSMR PDF Summary: DMR

NPDES Permit #: CA0079103

Facility: MODESTO WQCF

DMR NODIs

Feature - LS	Monitoring Period	NODI Code	NODI Description
001-A1	07/01/2014 - 07/31/2014	9	Conditional Monitoring - Not Required This Period
001-B1	07/01/2014 - 07/31/2014	C	No Discharge
001-B2	07/01/2014 - 07/31/2014	C	No Discharge
001-B3	07/01/2014 - 07/31/2014	C	No Discharge
001-B4	07/01/2014 - 07/31/2014	C	No Discharge

DMR Parameters

Feature - LS: INF-A				Monitoring Period: 07/01/2014 - 07/31/2014							
Loc	Sea	Param	Param Text	Q1	Q2	C1	C2	C3	Excur Count	Analy Freq	Sample Type
G	0	00095	Specific conductance				1788.0 umho/cm	2080.0 umho/cm Daily Maximum	0	Weekly	GRAB
G	0	00310	BOD, 5-day, 20 deg. C				535.0 mg/L Monthly Average	879.0 mg/L Daily Maximum	0	Daily	COMP24
G	0	00400	pH			6.6 SU Minimum		7.3 SU Maximum	0	Weekly	GRAB
G	0	00530	Solids, total suspended				362.0 mg/L Monthly Average	628.0 mg/L Daily Maximum		Daily	COMP24

Submittal

If your linked DMR is not completed, you will not be able to submit the eSMR.

No Discharge	EDF/CDF	Analytical Data	Calculated Data	Data Summary	Attachments	Violations	DMR	Submittal
Save	Certify & Submit	Preview report						
No self-determined violations were entered for this report.								
<u>DMR Status:</u> DMR data is not complete. Click on the DMR tab to view the status of each DMR.								
A cover letter describing your report must be either uploaded (Option A) OR entered as plain text into the field below (Option B) before you can 'Certify & Submit' the report.								
Option A: Select a document on your computer by clicking 'Browse', locating your file, and then clicking 'Upload File':								
File*								
<input type="text"/>	Browse...	Upload File						
Uploaded cover letter(s):								
Option B: Enter plain text in the field below, and then click the 'Save' button above:								
<div style="border: 1px solid black; height: 200px; width: 100%;"></div>								

Corrections after Certification and Submittal

eSMR must be withdrawn by Water Board staff, corrections made, and report recertified and resubmitted.

Only data points with different values than the original submitted values will be resubmitted to EPA.

The date of the resubmittal will be recorded for those data points.

DEMO

Typical Discharger DMR Issues

- *DMR has incorrect monitoring period.*
- *Incorrect monitoring requirements, incorrect limits, or missing monitoring requirements in DMR form (Most common after Permit renewal).*
- *What No-Discharge Indicator (NODI) code to use.*

Typical Discharger DMR Issues

DMR has incorrect monitoring period.

SMR / DMR Reporting

[Back to SMR Search](#)

Reporting Level: Level 1

SMR

Facility Name:

Order Number:

Water Board Office: Region 2 - San Francisco Bay

Case Worker:

Monthly SMR (MONNPDES) report for September 2016

Report Effective Dates: 09/01/2016 - 09/30/2016

Status: In-Progress

All Electronic Date: 06/01/2011

Data Summary Export: [Export to Excel](#)

[No Discharge](#) [EDF/CDF](#) [Analytical Data](#) [Calculated Data](#) [Data Summary](#) [Attachments](#) [Violations](#) [DMR](#) [Submittal](#)

DMR Dashboard

Feature - Limit Set Click to edit	Monitoring Period	Due Date	NODI	Status	
001-A	08/01/2016 - 08/31/2016	10/01/2016	<input type="text"/>	Empty	Unlink
INF-A	08/01/2016 - 08/31/2016	10/01/2016	<input type="text"/>	Empty	Unlink

Add DMR to this Report

DMR

Typical Discharger DMR Issues

Incorrect monitoring requirements, incorrect limits, or missing monitoring requirements in DMR form.

Permit limits

Table 4. Effluent Limitations

Parameter	Units	Effluent Limitations				
		Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum
Biochemical Oxygen Demand, 5-day @ 20°C (BOD ₅)	mg/L	30	45	---	---	---
Total Suspended Solids (TSS)	mg/L	30	45	---	---	---
Oil and Grease	mg/L	10	---	20	---	---

DMR w/ incorrect limits

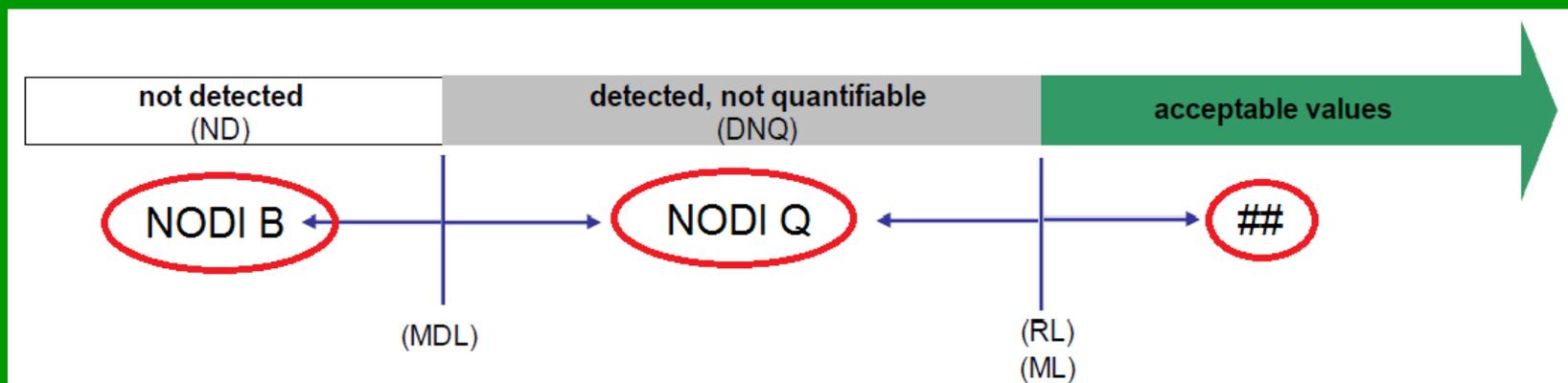
00310 - BOD, 5-day, 20 deg. C		Feature:	001	
		Season:	0	
	Q1 (avg)	C2 (avg)	C3 (max)	
Sample		[-] [M] []	[-] [M] []	mg/L [v]
Permitted		<= 20 Monthly Average	<= 35 High Weekly Average	Milligrams per Liter
NODI		[v]	[v]	

Typical Discharger DMR Issues

No-Discharger Indicator (NODI) Codes

Code	Description	Code	Description
1	Wrong Flow	G	Sampling Equipment Failure
2	Operation Shutdown	H	Invalid Test
4	Discharge to Lagoon/Groundwater	I	Land Applied
5	Frozen Conditions	J	Recycled - Water-Closed System
7	No Influent	K	Natural Disaster
9	Conditional Monitoring - Not Required This Period	L	DMR Received but not Entered
A	General Permit Exemption	Q	Not Quantifiable
B	Below Detection Limit/No Detection	S	Fire Conditions
C	No Discharge	V	Weather Related
D	Lost Sample/Data Not Available	W	Dry Lysimeter/Well
E	Analysis Not Conducted/No Sample	X	Parameter/Value Not Reported
F	Insufficient Flow for Sampling	M	Laboratory Error

Typical Discharger DMR Issues



Terminology:

- **Minimum level (ML)** represents the lowest quantifiable concentration in a sample based on the proper application of method-specific analytical procedures and the absence of matrix interferences.
- **Reporting limits (RL)** represents the ML chosen by the Discharger for reporting and compliance determination from the MLs including an additional factor to account for matrix-specific sample preparation that varies from standard sample preparation procedures.
- **Method Detection Limit (MDL)** based on the ability of a measurement method to detect an analyte in the absence of a matrix.

Questions?

CONTACT INFORMATION

CIWQS related Questions:

Rassam Zarghami (916) 341-5516

Rassam.Zarghami@waterboards.ca.gov

Permit-DMR related Questions:

DMR Help Desk (916) 319-9152

DMR@waterboards.ca.gov