

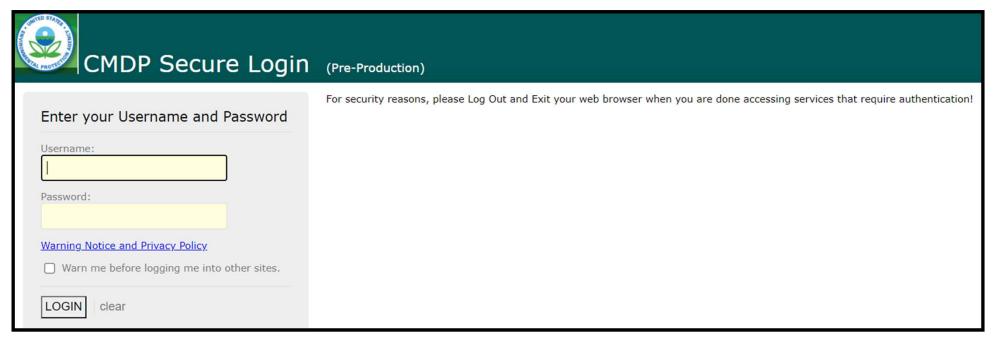
# Compliance Monitoring Data Portal (CMDP)

**Drinking Water Compliance Monitoring** 

Drinking Water and Recreational Waters Protection
Division/Bureau of Water

## What is CMDP?

CMDP is web-based application for electronic reporting of drinking water compliance sample results





# **CMDP** Components

- web-based software application and relational database
- Online data entry
- Excel Templates XML file uploaded manually
- Web Services XML file using LIMS
- Data Synchronization Engine (DSE) exchange between CMDP and SDWIS State
- Shared CROMERR Services web application for registration and end-user management.



## CMDP Roles (EPA CMDP User Manual 1.27)

State Sys. Admin
State Compliance Officer



Figure 2 - CMDP Role Hierarchy

Laboratories / State Laboratories





# How to begin...

- Do your homework
- Email fullerma@dhec.sc.gov



- You will receive an email inviting you to complete registration with EPA's Shared CROMERR Services for Test
- Once approved, log in to CMDP Test Environment and begin testing
- If testing proves successful and accurate, graduate to EPA's Shared CROMERR Services for Production



## **CMDP** Homework

• <a href="https://cmdp.zendesk.com/hc/en-us">https://cmdp.zendesk.com/hc/en-us</a>

### FOR LABORATORIES AND WATER SYSTEMS

CMDP for laboratory and water system users.



#### Getting Started with CMDP

- Introduction to the CMDP (video 1)
- CMDP Role Registration User Guide
- System Requirements and Qualifications for Laboratories and Water Systems
- CMDP Support Primacy Agency Points of Contact
- CMDP User Registration (video 10)

- ★ COMPLIANCE MONITORING DATA PORTAL USER MANUAL
- Creating and Submitting a Water System Profile Change Request
- Entering PWS and Lab Profiles (video 3)
- Using Data Entry Screens to Enter Microbial, Chem, and Rad, Samples (video 4)
- Using Data Entry Screens to enter Composite Samples (video 5)
- Using Data Entry Screens to enter Operational Data (video 6)
- Searching Samples (video 7)
- Manually Uploading Files Using CMDP Templates (video 8)
- Submission Workflow (submitting jobs to primacy agencies) (video 9)



## **CMDP** Homework continued

• <a href="https://scdhec.gov/electronic-reporting-water-quality-compliance-monitoring-data-portal-cmdp">https://scdhec.gov/electronic-reporting-water-quality-compliance-monitoring-data-portal-cmdp</a>

# Electronic Reporting for Water Quality: Compliance Monitoring Data Portal (CMDP)

CMDP is a web application that enables laboratories to electronically report compliance sample results. These sample results can be microbiological, or chemical. Laboratories can use CMDP to report results by entering data within the online form, uploading an XML file generated from CMDP's Excel templates, or uploading an XML file generated from a LIMS.

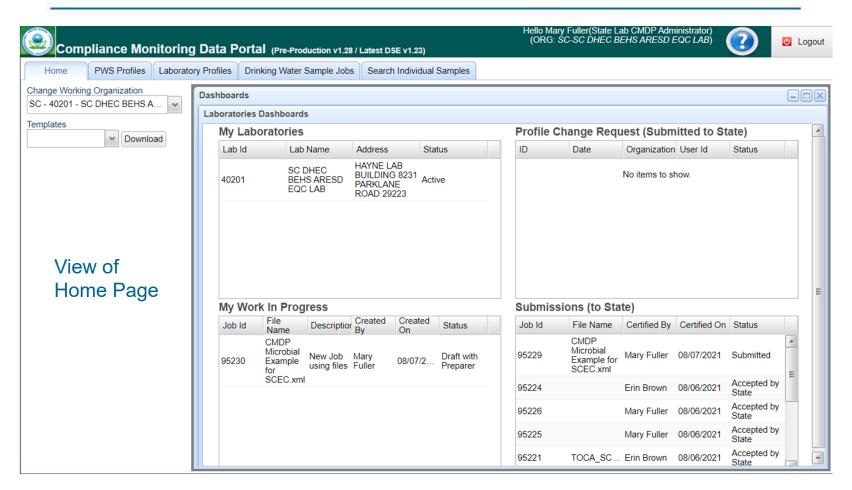
Share This Resource



# SC DHEC Microbiological Sample Field Requirements for CMDP

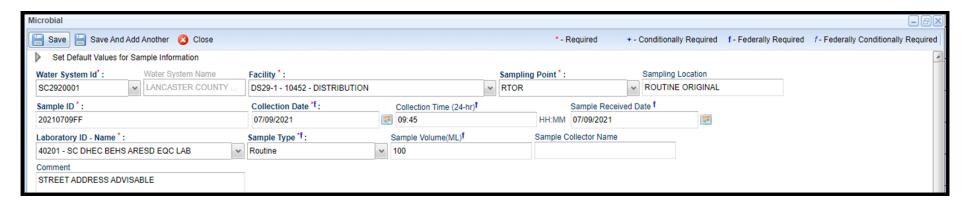
	SC DHEC Microbiological Sample Fields for CMDP								
Entry Section	Field Name	Required by SC DHEC?							
	Sample ID*	Required (< 20 characters)							
	Sample Received Date <sup>f</sup>	Not required							
	ws ID*	Required - format SC#######, where # represents your drinking water permit number							
	Facility ID*	Required - format DS##-1, where # represents the first 2-digits of your drinking water permit number							
	Sampling Point ID*	Required - RTOR, RPOR, RPUP, or RPDN							
	Sampling Location	Required - Routine Original, Repeat Original, Repeat Upstream, or Repeat Downstream							
Sample Information	Collection Date*	Required - format MM/DD/YYYY							
Sample information	Collection Time (24H) f	Required - format ##:##, must use ':'							
	Sample Type*f	Routine or Repeat							
	Sample Volume f	Required, 100							
	Repeat Location	Required if RPOR, RPUP and RPDN							
	Original Sample ID *	Required if sample type is REPEAT							

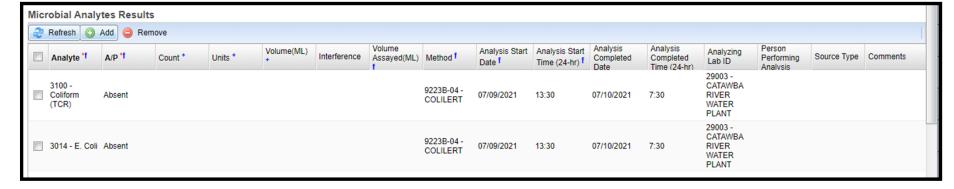






### View of Web Entry screens for Microbial Analyte Results

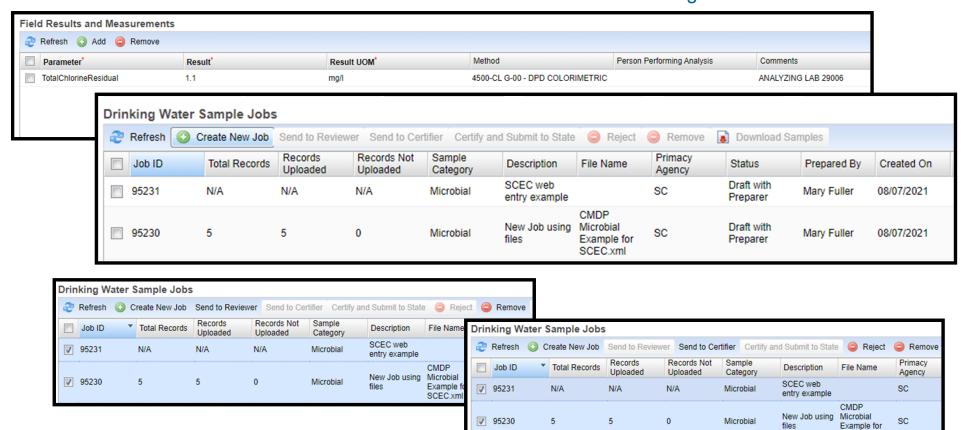






SCEC.xml

#### View of Field Results and Measurements and Job Stages





## View of Job Flow and the Agency View of the Jobs Submitted

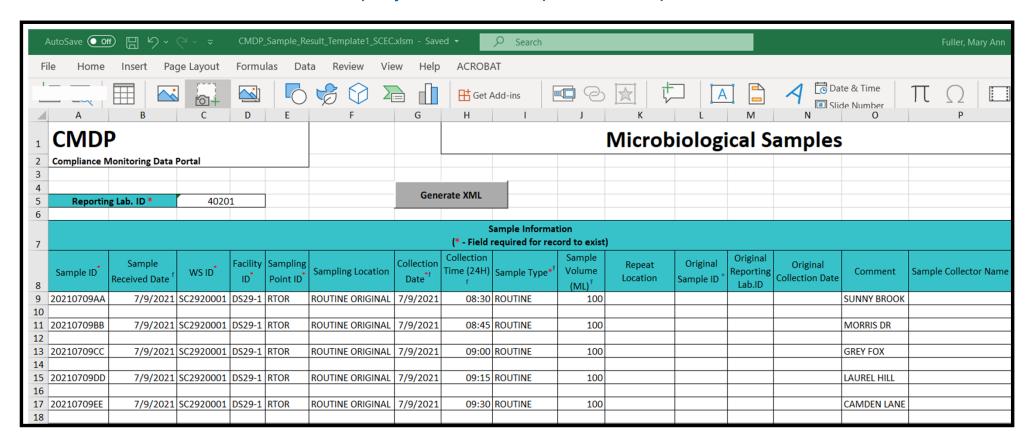
Γ	Drinking Water Sample Jobs										
ı	2	Refresh	C	reate New Job	Send to Review	er Send to Ce	rtifier	Certify	and Submit to State	e 🥥 Reject	Remove
l		Job ID	*	Total Records	Records Uploaded	Records Not Uploaded	San	iple egory	Description	File Name	Primacy Agency
ı	<b>V</b>	95231		N/A	N/A	N/A	Micr	obial	SCEC web entry example		SC
	V	95230		5	5	0	Micr	obial	New Job using files	CMDP Microbial Example for SCEC.xml	SC

Dr	Drinking Water Sample Jobs																
á	₽ R	Refresh	C	reate New Job	Send to Reviewe	er Send to Cer	tifier Certify an	d Submit to State	Reject	Remove [	Download Sa	mples					
[		Job ID	~	Total Records	Records Uploaded	Records Not Uploaded	Sample Category	Description	File Name	Primacy Agency	Status	Prepared By	Created On	Reviewed By	Reviewed On	Certified By	Certified On
[	/ 9	95231		N/A	N/A	N/A	Microbial	SCEC web entry example		SC	Submitted	Mary Fuller	08/07/2021	Mary Fuller	08/07/2021	Mary Fuller	08/07/2021
5	<b>7</b> 9	95230		5	5	0	Microbial	New Job using files	CMDP Microbial Example for SCEC.xml	sc	Submitted	Mary Fuller	08/07/2021	Mary Fuller	08/07/2021	Mary Fuller	08/07/2021

Dashboards	Dashboards										
State Dashboards	State Dashboards										
Submission Received											
Job Id	Organization	Description	Status	Sample Category	Certified By	Certified On					
95229	40201	New Job using files	Accepted by State	Microbial	Mary Fuller	08/07/2021					
95231	40201	SCEC web entry example	Accepted by State	Microbial	Mary Fuller	08/07/2021					
95230 40201 New Job using files Accepted by State Microbial Mary Fuller											



## View of a Properly Formatted Template for Sample Information





	Results (* - Field required for record to exist)														
Analyte* <sup>f</sup> [Code - Name]	A/P* <sup>f</sup>	Count	Units <sup>+</sup>	Volume (ML) <sup>†</sup>	Interference	Volume Assayed (ML) <sup>f</sup>	Method <sup>f</sup>	Analysis Start Date <sup>f</sup>	Analysis Start Time <sup>f</sup>	Analysis Completed Date	Analysis Complete d Time	Analyst Name	Analyzing Lab ID	Source Type	Comment
3100 - COLIFORM (TCR)	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3014 - E. COLI	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3100 - COLIFORM (TCR)	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3014 - E. COLI	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3100 - COLIFORM (TCR)	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3014 - E. COLI	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3100 - COLIFORM (TCR)	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3014 - E. COLI	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3100 - COLIFORM (TCR)	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		
3014 - E. COLI	Absent						9223B-04-COLILERT	7/9/2021	13:30	7/10/2021	07:30		29003		

View of a Properly Formatted Template for Results and Field Results (Disinfectant Residual)

Field Results and Measurements (Optional) (* - Field required for record to exist)									
Parameter* [Code - Name]	Result*	Result UOM*	Method	Analyst Name	Comment				
1012 - Total Chlorine Residual	1.2	MG/L	4500-CL G-DPD COLORIMETRIC		Analyzing Lab 29006				
1012 - Total Chlorine Residual	1.5	MG/L	4500-CL G-DPD COLORIMETRIC		Analyzing Lab 29006				
1012 - Total Chlorine Residual	1.1	MG/L	4500-CL G-DPD COLORIMETRIC		Analyzing Lab 29006				
1012 - Total Chlorine Residual	1.4	MG/L	4500-CL G-DPD COLORIMETRIC		Analyzing Lab 29006				
1012 - Total Chlorine Residual	1.3	MG/L	4500-CL G-DPD COLORIMETRIC		Analyzing Lab 29006				

## Important Notes for CMDP

Note: when submitting XML uploads and reporting REPEATS, upload the ROUTINE SAMPLES separately from the REPEAT SAMPLES. Sumbit the XML for the ROUTINES first, then after the records are accepted/uploaded submit the REPEAT XML.

Recommendation: Avoid 7 special characters: Percent (%); Carat (^); Ampersand (&); Vertical Bar (|); Double-quote ("); Less-than (<); Greater-than (>)

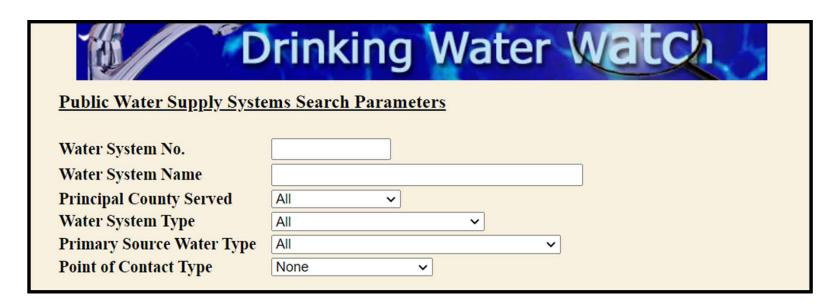
Use Drinking Water Watch, DWW, to confirm and research information as needed for identifying Facility IDs or Sampling Point IDs. Do not use any Sampling Point with a Location description preceeding with "Z" or "ZZ", as these are no longer valid sampling points.

DRINKING WATER WATCH <a href="http://dwwwebvm.dhec.sc.gov:8080/DWW/">http://dwwwebvm.dhec.sc.gov:8080/DWW/</a>									
CMDP TEST	https://cmdpprep.epa.gov/sso/login?service=https%3A%2F%2Fcmdpprep.epa.gov%2Fcmdp%2Fj_spring_cas_secu								
Cition Test	rity_check%3Bjsessionid%3D0993FBEAD2B8D695AFDA21C35094E042								
CMDP PRODUCTION	https://cmdpapp2.epa.gov/sso/login?service=https%3A%2F%2Fcmdpapp2.epa.gov%2Fcmdp%2Fj_spring_cas_sec								
CMDP PRODUCTION	urity_check								



# **Drinking Water Watch**

Available at <a href="http://dwwwebvm.dhec.sc.gov:8080/DWW/">http://dwwwebvm.dhec.sc.gov:8080/DWW/</a>





#### Links

Water System Facilities

Sample Schedules

<u>Coliform/Microbial Sample</u> <u>Results</u>

<u>Coliform Sample Summary</u> Results

<u>Lead And Copper Sample</u> Summary Results

Chem/Rad Samples/Results

<u>Chem/Rad Samples/Results</u> <u>by Analyte</u>

<u>Violations/Enforcement</u> <u>Actions</u>

Site Visits

Milestones

#### **Water System Details**

Water System No.: SC2920001 Federal Type: C

Water System Name : LANCASTER COUNTY W&SD (SC2920001) State Type : C

Principal County Served: LANCASTER Primary Source: SWP

**Status**: A **Activity Date**: 06-01-1977

#### **Points of Contact**

Name	Job Title	Type	Phone	Address	Email
LANCASTER CO WATER (SC2920001)		PL			
CULP, ALLEN	CHIEF OPERATOR	OP			
FENTON, DARRELL		AC	803-285-6919	LANCASTER COUNTY W&SD PO BOX 1009 LANCASTER, SC 29721	dfenton@lewasd.org

#### **Annual Operating Periods & Population Served**

Start Month		End Month		Population Type	Population Served
1	1	12	31	R	63258
1	1	12	31	W	19500

#### **Service Connections**

Туре	Count	Meter Type	Meter Size Measure
CM	682	ME	0
RS	28944	ME	0

# **CONTACT US**

Mary Ann Fuller, Program Manager

**Drinking Water Compliance Section** 

**Drinking Water and Recreational Waters Protection Division** 

**Bureau of Water** 

2600 Bull Street

Columbia, SC, 29201

Phone (803) 898-2382

Email: fullerma@dhec.sc.gov

## **Stay Connected**









