



South Carolina Department of Health and Environmental Control

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# Compliance Monitoring Data Portal (CMDP)

Drinking Water Compliance Monitoring

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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 Secure Login (Pre-Production)

Enter your Username and Password

Username:

Password:

[Warning Notice and Privacy Policy](#)

Warn me before logging me into other sites.

LOGIN

clear

For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication!



## 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)



Figure 2 - CMDP Role Hierarchy

## How to begin...

- Do your homework
- Email [fullerma@dhec.sc.gov](mailto: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

- <https://cmdp.zendesk.com/hc/en-us>

## 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

- <https://scdhec.gov/electronic-reporting-water-quality-compliance-monitoring-data-portal-cmdp>

### 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 Information	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
	Collection Date <sup>rf</sup>	Required - format MM/DD/YYYY
	Collection Time (24H) <sup>f</sup>	Required - format ##:##, must use ':'
	Sample Type <sup>rf</sup>	Routine or Repeat
	Sample Volume <sup>f</sup>	Required, 100
	Repeat Location	Required if RPOR, RPUP and RPDN
	Original Sample ID*	Required if sample type is REPEAT



- Home
- PWS Profiles
- Laboratory Profiles
- Drinking Water Sample Jobs
- Search Individual Samples

Change Working Organization  
SC - 40201 - SC DHEC BEHS A...  
Templates  
Download

View of Home Page

**Dashboards**

**Laboratories Dashboards**

**My Laboratories**

Lab Id	Lab Name	Address	Status
40201	SC DHEC BEHS ARES D EQC LAB	HAYNE LAB BUILDING 8231 PARKLANE ROAD 29223	Active

**Profile Change Request (Submitted to State)**

ID	Date	Organization	User Id	Status
No items to show.				

**My Work In Progress**

Job Id	File Name	Description	Created By	Created On	Status
95230	CMDP Microbial Example for SCEC.xml	New Job using files	Mary Fuller	08/07/2...	Draft with Preparer

**Submissions (to State)**

Job Id	File Name	Certified By	Certified On	Status
95229	CMDP Microbial Example for SCEC.xml	Mary Fuller	08/07/2021	Submitted
95224		Erin Brown	08/06/2021	Accepted by State
95226		Mary Fuller	08/06/2021	Accepted by State
95225		Mary Fuller	08/06/2021	Accepted by State
95221	TOCA_SC...	Erin Brown	08/06/2021	Accepted by State



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

Microbial

Save Save And Add Another Close

\* - Required + - Conditionally Required f - Federally Required f - Federally Conditionally Required

Set Default Values for Sample Information

Water System Id\*: SC2920001 Water System Name: LANCASTER COUNTY ... Facility\*: DS29-1 - 10452 - DISTRIBUTION Sampling Point\*: RTOR Sampling Location: ROUTINE ORIGINAL

Sample ID\*: 20210709FF Collection Date\*: 07/09/2021 Collection Time (24-hr)f: 09:45 Sample Received Date f: 07/09/2021

Laboratory ID - Name\*: 40201 - SC DHEC BEHS ARES D EQC LAB Sample Type\*: Routine Sample Volume(ML)f: 100 Sample Collector Name:

Comment: STREET ADDRESS ADVISABLE

Microbial Analytes Results

Refresh Add Remove

<input type="checkbox"/>	Analyte *f	A/P *f	Count +	Units +	Volume(ML) +	Interference	Volume Assayed(ML) f	Method f	Analysis Start Date f	Analysis Start Time (24-hr) f	Analysis Completed Date	Analysis Completed Time (24-hr)	Analyzing Lab ID	Person Performing Analysis	Source Type	Comments
<input type="checkbox"/>	3100 - Coliform (TCR)	Absent						9223B-04 - COLILERT	07/09/2021	13:30	07/10/2021	7:30	29003 - CATAWBA RIVER WATER PLANT			
<input type="checkbox"/>	3014 - E. Coli	Absent						9223B-04 - COLILERT	07/09/2021	13:30	07/10/2021	7:30	29003 - CATAWBA RIVER WATER PLANT			



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

**Field Results and Measurements**

Refresh Add Remove

Parameter*	Result*	Result UOM*	Method	Person Performing Analysis	Comments
TotalChlorineResidual	1.1	mg/l	4500-CL G-00 - DPD COLORIMETRIC		ANALYZING LAB 29006

**Drinking Water Sample Jobs**

Refresh Create New Job Send to Reviewer Send to Certifier Certify and Submit to State Reject Remove Download Samples

Job ID	Total Records	Records Uploaded	Records Not Uploaded	Sample Category	Description	File Name	Primacy Agency	Status	Prepared By	Created On
95231	N/A	N/A	N/A	Microbial	SCEC web entry example		SC	Draft with Preparer	Mary Fuller	08/07/2021
95230	5	5	0	Microbial	New Job using files	CMDP Microbial Example for SCEC.xml	SC	Draft with Preparer	Mary Fuller	08/07/2021

**Drinking Water Sample Jobs**

Refresh Create New Job Send to Reviewer Send to Certifier Certify and Submit to State Reject Remove

Job ID	Total Records	Records Uploaded	Records Not Uploaded	Sample Category	Description	File Name
<input checked="" type="checkbox"/> 95231	N/A	N/A	N/A	Microbial	SCEC web entry example	
<input checked="" type="checkbox"/> 95230	5	5	0	Microbial	New Job using files	CMDP Microbial Example for SCEC.xml

**Drinking Water Sample Jobs**

Refresh Create New Job Send to Reviewer Send to Certifier Certify and Submit to State Reject Remove

Job ID	Total Records	Records Uploaded	Records Not Uploaded	Sample Category	Description	File Name	Primacy Agency
<input checked="" type="checkbox"/> 95231	N/A	N/A	N/A	Microbial	SCEC web entry example		SC
<input checked="" type="checkbox"/> 95230	5	5	0	Microbial	New Job using files	CMDP Microbial Example for SCEC.xml	SC



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

Drinking Water Sample Jobs							
<a href="#">Refresh</a> <a href="#">Create New Job</a> <a href="#">Send to Reviewer</a> <a href="#">Send to Certifier</a> <a href="#">Certify and Submit to State</a> <a href="#">Reject</a> <a href="#">Remove</a>							
<input type="checkbox"/>	Job ID	Total Records	Records Uploaded	Records Not Uploaded	Sample Category	Description	Primacy Agency
<input checked="" type="checkbox"/>	95231	N/A	N/A	N/A	Microbial	SCEC web entry example	SC
<input checked="" type="checkbox"/>	95230	5	5	0	Microbial	New Job using files CMDP Microbial Example for SCEC.xml	SC

Drinking Water Sample Jobs															
<a href="#">Refresh</a> <a href="#">Create New Job</a> <a href="#">Send to Reviewer</a> <a href="#">Send to Certifier</a> <a href="#">Certify and Submit to State</a> <a href="#">Reject</a> <a href="#">Remove</a> <a href="#">Download Samples</a>															
<input type="checkbox"/>	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
<input checked="" type="checkbox"/>	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
<input checked="" type="checkbox"/>	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						
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	08/07/2021



View of a Properly Formatted Template for Sample Information

AutoSave  Off CMDP\_Sample\_Result\_Template1\_SCEC.xlsm - Saved Search Fuller, Mary Ann

File Home Insert Page Layout Formulas Data Review View Help ACROBAT

A B C D E F G H I J K L M N O P

**CMDP** **Microbiological Samples**

Compliance Monitoring Data Portal

Reporting Lab. ID \* 40201

**Sample Information**  
(\* - Field required for record to exist)

Sample ID *	Sample Received Date <sup>f</sup>	WS ID *	Facility ID *	Sampling Point ID *	Sampling Location	Collection Date <sup>f</sup>	Collection Time (24H) <sup>f</sup>	Sample Type <sup>*f</sup>	Sample Volume (ML) <sup>f</sup>	Repeat Location	Original Sample ID *	Original Reporting Lab.ID	Original Collection Date	Comment	Sample Collector Name
20210709AA	7/9/2021	SC2920001	DS29-1	RTOR	ROUTINE ORIGINAL	7/9/2021	08:30	ROUTINE	100					SUNNY BROOK	
20210709BB	7/9/2021	SC2920001	DS29-1	RTOR	ROUTINE ORIGINAL	7/9/2021	08:45	ROUTINE	100					MORRIS DR	
20210709CC	7/9/2021	SC2920001	DS29-1	RTOR	ROUTINE ORIGINAL	7/9/2021	09:00	ROUTINE	100					GREY FOX	
20210709DD	7/9/2021	SC2920001	DS29-1	RTOR	ROUTINE ORIGINAL	7/9/2021	09:15	ROUTINE	100					LAUREL HILL	
20210709EE	7/9/2021	SC2920001	DS29-1	RTOR	ROUTINE ORIGINAL	7/9/2021	09:30	ROUTINE	100					CAMDEN LANE	



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 Completed 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. Submit 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 preceding with "Z" or "ZZ", as these are no longer valid sampling points.

<b>DRINKING WATER WATCH</b>	<a href="http://dwwwwebvm.dhec.sc.gov:8080/DWW/">http://dwwwwebvm.dhec.sc.gov:8080/DWW/</a>
<b>CMDP TEST</b>	<a href="https://cmdpprep.epa.gov/sso/login?service=https%3A%2F%2Fcmdpprep.epa.gov%2Fcmdp%2Fj_spring_cas_security_check%3Bjsessionid%3D0993FBEAD2B8D695AFDA21C35094E042">https://cmdpprep.epa.gov/sso/login?service=https%3A%2F%2Fcmdpprep.epa.gov%2Fcmdp%2Fj_spring_cas_security_check%3Bjsessionid%3D0993FBEAD2B8D695AFDA21C35094E042</a>
<b>CMDP PRODUCTION</b>	<a href="https://cmdpapp2.epa.gov/sso/login?service=https%3A%2F%2Fcmdpapp2.epa.gov%2Fcmdp%2Fj_spring_cas_security_check">https://cmdpapp2.epa.gov/sso/login?service=https%3A%2F%2Fcmdpapp2.epa.gov%2Fcmdp%2Fj_spring_cas_security_check</a>



# Drinking Water Watch

Available at

<http://dwwwbvm.dhec.sc.gov:8080/DWW/>



**Public Water Supply Systems Search Parameters**

Water System No.	<input type="text"/>
Water System Name	<input type="text"/>
Principal County Served	All <input type="button" value="v"/>
Water System Type	All <input type="button" value="v"/>
Primary Source Water Type	All <input type="button" value="v"/>
Point of Contact Type	None <input type="button" value="v"/>



**Links**

[Water System Facilities](#)

[Sample Schedules](#)

[Coliform/Microbial Sample Results](#)

[Coliform Sample Summary Results](#)

[Lead And Copper Sample Summary Results](#)

[Chem/Rad Samples/Results](#)

[Chem/Rad Samples/Results by Analyte](#)

[Violations/Enforcement Actions](#)

[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	<a href="mailto:dfenton@lcwasd.org">dfenton@lcwasd.org</a>

**Annual Operating Periods & Population Served**

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

**Service Connections**

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



South Carolina Department of Health and Environmental Control

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# CONTACT US

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Drinking Water and Recreational Waters Protection Division

Bureau of Water

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Columbia, SC, 29201

Phone (803) 898-2382

Email: [fullerma@dhec.sc.gov](mailto:fullerma@dhec.sc.gov)

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## Stay Connected

