Lab Introduction to the
Compliance Monitoring Data Portal (CMDP)

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Introductions

- Maryland Department of the Environment (MDE)

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- EPA

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Agenda

- Overview of CMDP
- User Roles/SCS Account
- Methods to Submit Data
- User Interface Demo
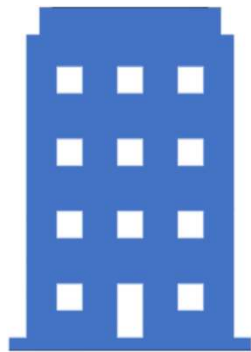- Going Forward

What is CMDP

- Compliance Monitoring Data Portal

- EPA's electronic reporting portal, or a website that allows laboratories and Public Water Systems (PWSs) to submit drinking water sample results to MDE

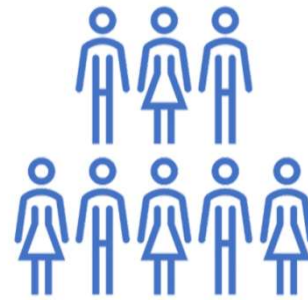- Developed by EPA to simplify electronic data submittal

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CMDP usage

>200 Labs/PWS's

21 Primacy Agencies

Large and Small Labs
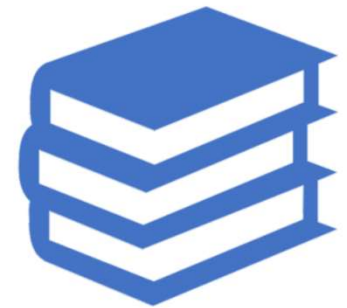
Community Knowledge Sharing

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Why Use CMDP

- State receives high quality data electronically

- Sets national data standards and centralizes data submission

- Data is formatted for migration into the State Database. No manual intervention needed.

- State report significant time savings related to data clean-up when implementing CMDP

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Why Use CMDP, continued

- Users will get instant feedback on data quality through validation checks

- Validations check whether data submitted is in the correct format and contains all required information

- Users may review and correct these errors after uploading an XML file or entering data into the web form before data certification and submittal.

XML Submittal Validation Error Details

Category	Validation Category	Sample Identifier	Error Description
Microbial	Critical	{"wsId":"X10960031","jobId":.... 09-01"}	{"sampleReceivedDt":"Sample Received Date must be on or after Collected Date."}

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Why Use CMDP, continued

- Labs/PWS and State representative receive notification that data has been received (not lost in the mail)

- CMDP provides secure data transmittal and is compliant with EPA's Cross Media Electronic Reporting Rule (CROMERR)

- Can be accessed 24 hours a day

- Quick turnaround time

Shared CROMERR Services (SCS)

- SCS is where users will register for an account and use those credentials to log into CMDP

- Passwords

  - Managed in SCS

  - Expire every 90 days

  - Tip: Set Calendar Reminder

Welcome to the Shared Cromerr Services Test environment. This is a non-production environment and is not to be used for any regulatory activity.

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SCS Advanced Shared Services

Contact Us

Log In

User ID

Password

Log In   Register with SCS

Forgot your Password or User ID?
Warning Notice and Privacy Policy

Welcome

Welcome to the Environmental Protection Agency (EPA) Shared CROMERR Services (SCS) - the Agency's electronic reporting site. The Shared CROMERR Services concept has been defined as a central point which supplements EPA reporting systems by performing new and existing functions for receiving legally acceptable data in various formats, including consolidated and integrated data.

Warning Notice and Privacy Policy

Warning Notice

EPA's Shared CROMERR Services Registration procedure is part of a United States Environmental Protection Agency (EPA) computer

CMDP Roles

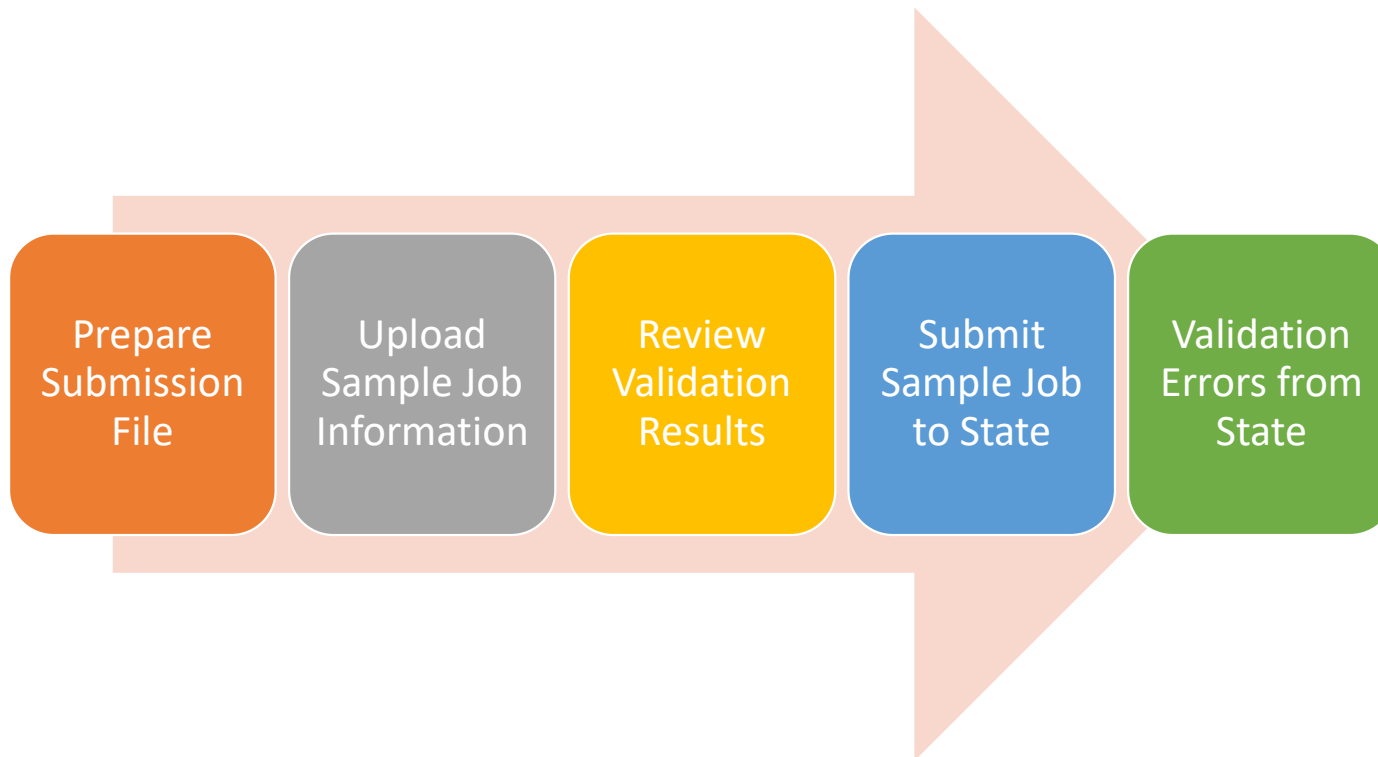All CMDP roles are hierarchical within an organization

*Read Only Role Available for Primacy Agencies

Environments

- Preproduction (Test)

  - https://cmdpprep.epa.gov/cmdp

  - Data will go into MDE's test State database

- Production (Prod)

  - https://cmdp.epa.gov/cmdp

  - Data will go into MDE's production State Database

** Please bookmark the URL as listed above not the landing page.

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CMDP Submission Workflow

Prepare Submission File → Upload Sample Job Information → Review Validation Results → Submit Sample Job to State → Validation Errors from State

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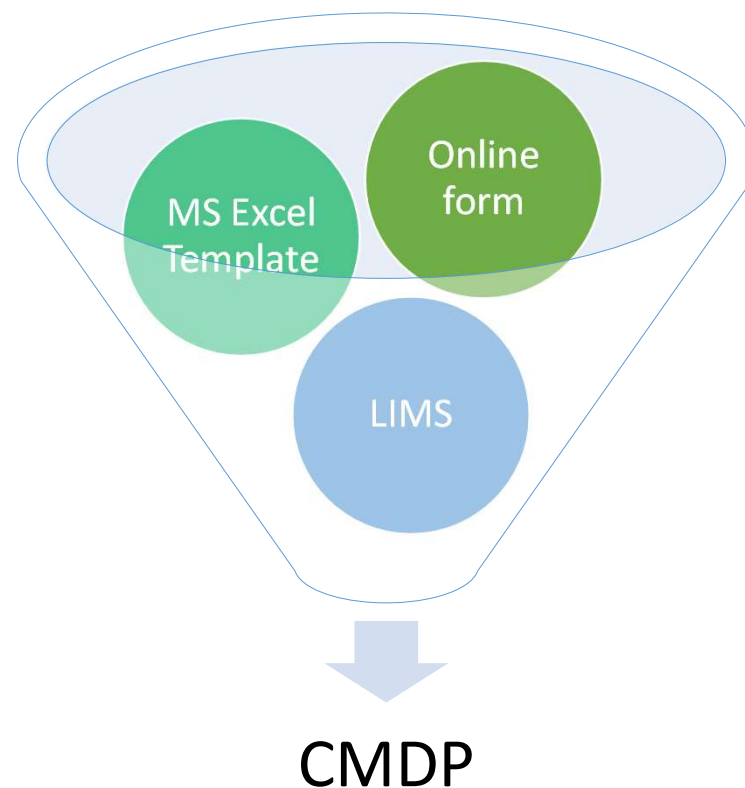
Prepare Submission File

There are three ways to submit sample results to CMDP:

- Enter data into online forms

- Enter data into an MS Excel Template then use a simple process to generate an XML file that can be uploaded to CMDP

- Can configure LIMS to generate XML file

MS Excel Template

Online form

LIMS

CMDP

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Rejecting/Accepting Rejected Samples

- [Sample Removal Guide](#)

- Establish Process with State/Primacy Agency
- Sample Must be removed from SDWIS first so the State/Primacy Agency has to approve the Removal.

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General Process

- Get with your state administrator to figure out what your next steps
  - Water.supply@maryland.gov

- Test

- Transition to production
  - Can be in baby-steps

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Initial Resources for CMDP Adoption

- Guidance information on ServiceNow.

  - https://usepa.servicenowservices.com/sdwisprogram/

- Recommend starting with your Primacy Agency as some things may be state specific.
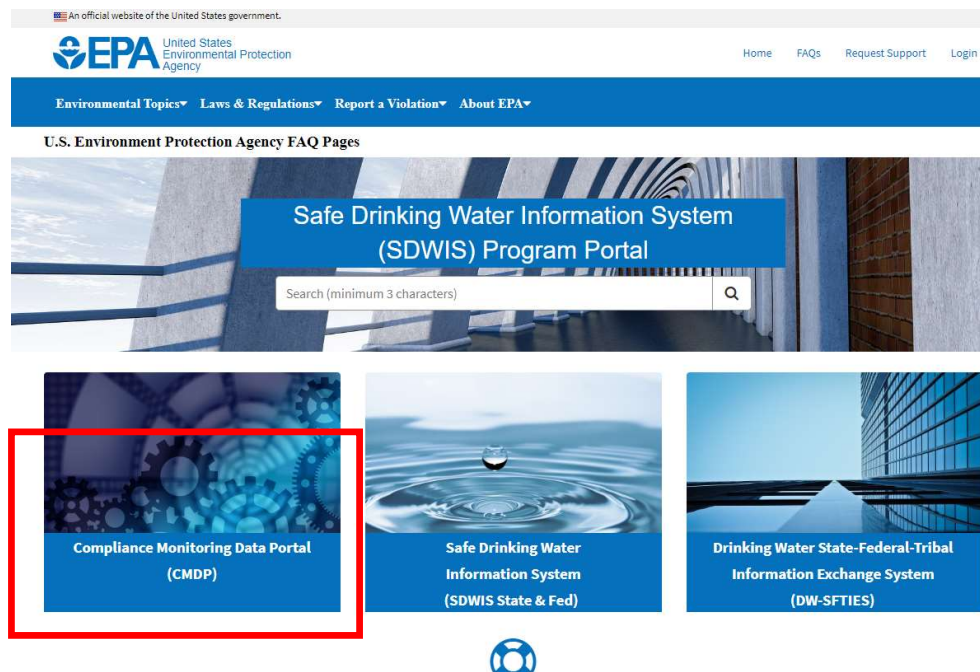
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Resources

- https://usepa.servicenowservices.com/sdwisprogram

Questions?

User Interface Entry Example

Excel Template Example

*Templates can be downloaded out of the CMDP User Interface

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Microbiological Samples

Reporting Lab. ID *

Generate XML

								Sample Information (* – Field required for record to exist)							
Sample ID*	Sample Received Date*	WS ID*	Facility ID*	Sampling Point ID*	Sampling Location	Collection Date*/	Collection Time (24H)/	Sample Type*/	Sample Volume (ML)/	Repeat Location	Original Sample ID*	Original Reporting Lab.ID	Original Collection Date	Comment	Sample Collector Name

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XML Example

```xml
<?xml version="1.0" encoding ="UTF-8"?>
<!--Generated Using MS Excel Version 15.0 running on Windows (32-bit) NT :.00 with Microbial Version Version: Last Updated  -->
<samples>
    <sample>
            <wsId>X10010044</wsId>
            <stateAssignedFacId>00600</stateAssignedFacId>
            <samplingPointId>4</samplingPointId>
            <samplingLocation></samplingLocation>
            <sampleCd>App1Up220711</sampleCd>
            <collectionDate>2020-03-01</collectionDate>
            <collectionTime>09:15</collectionTime>
            <laboratoryId>X1LAB001</laboratoryId>
            <sampleTypeCd>RT</sampleTypeCd>
            <sampleVolume>100</sampleVolume>
            <sampleCategoryName>Microbial</sampleCategoryName>
            <sampleReceivedDt>2020-03-02</sampleReceivedDt>
            <sampleResultMicro>
                    <analyteCd>3100</analyteCd>
                    <methodCd>9223B-PA</methodCd>
                    <methodName>COLILERT - PRESENCE/ABSENCE</methodName>
                    <analysisStartDt>2020-03-02</analysisStartDt>
                    <analysisStartTime>10:10</analysisStartTime>
                    <analysisComplDt>2020-03-02</analysisComplDt>
                    <analysisComplTime>15:35</analysisComplTime>
                    <volumeAssayed>100</volumeAssayed>
                    <apName>A</apName>
                    <resultVolume>100</resultVolume>
            </sampleResultMicro>

    </sample>
</samples>
```

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Common Errors

- Facilities & Sampling Points

- Method/Analyte Pair does not exist

- Sample Date/Time Errors

- Duplicate Sample IDs