

# LAB-TO-STATE (LTS) PORTAL

June 20, 2017

DIVISION OF DRINKING WATER (DDW)  
SAFE DRINKING WATER INFORMATION SYSTEMS  
(SDWIS) UNIT



## INTRODUCTIONS

State Water Resources Control Board  
**Division of Drinking Water**

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## GOALS OF THE SDWIS UNIT

- Implement SDWIS (Safe Drinking Water Information System)
  - Compliance management system for tracking and reporting compliance with water quality monitoring requirements of the Safe Drinking Water Act (SDWA)
- Implement processes for electronic submittal of water quality data to SDWIS
- Ensure data are legally defensible and have adequate signatory authority

## GOALS OF THIS PRESENTATION

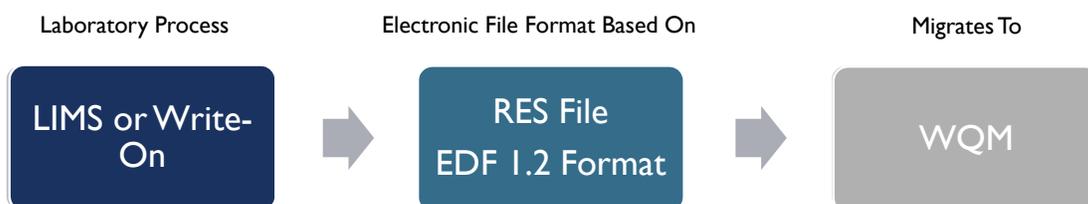
- Introduce Lab To State portal for submitting Lead and Copper data for LCR
- Identify steps for labs to submit LCR data through portal
- Explain next steps for labs to get registered on portal
- Resources for more information

## OVERVIEW

- 1) Background
- 2) Lab-To-State (LTS) Portal
  - Introduction to the Portal
  - Requirements
  - Interested Labs
  - Similarities/Differences between LTS & EDT Structure
  - LTS Structure Set
  - Quality Assurance
- 3) Moving Forward
- 4) Next Steps
- 5) LTS Demonstration
- 6) Testimony – Weck Labs

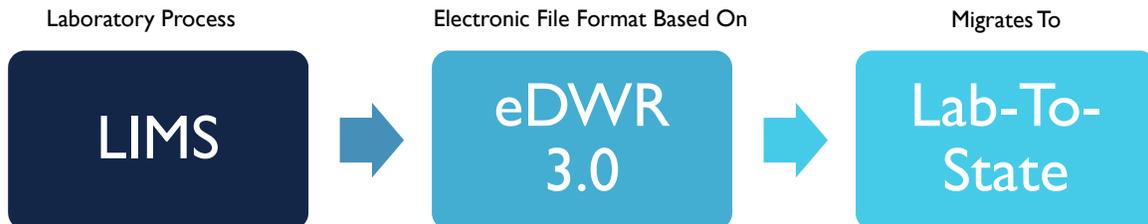
## BACKGROUND

### *CURRENT PROCESS*



## BACKGROUND

### NEW PROCESS



## BACKGROUND

### IN SUMMARY

- SDWIS Business Rules Engine requires water quality data in a timely manner
- Data in EDF format is not compatible with Lab-To-State or SDWIS
- Data previously submitted via WQM requires extensive crosswalking in order to migrate to SDWIS
- Getting Water Quality data directly into SDWIS is part of DDW's overall strategy to improving compliance management
- LTS and SDWIS address a long-term issue of tracking individual LCR sampling results
- LTS will allow us to start accepting other data not currently reported electronically, such as bacteriological data for RTCR

## LAB-TO-STATE

### INTRODUCTION TO THE PORTAL

- Web-based portal for labs to submit data electronically to Primacy Agency
- Ensures files are properly formatted to comply with requirements for SDWIS migration
- Reports errors of records that did not migrate due to content or structure issues
- Generates properly formatted XML files that are migrated to SDWIS
- This is a new process for DDW to get water quality data directly into SDWIS

## LAB-TO-STATE

### REQUIREMENTS FOR LABORATORIES

- ELAP-accredited to perform analysis for lead using one of four approved methods
- Must be able to generate CSV or XML files
  - Most LIMS should be capable, but labs can use other applications
- Attend this webinar

## LAB-TO-STATE

### *INTERESTED LABS*

- We will follow up with additional training on registering on the portal, file submission and error reports
  - Once registered on the portal, labs can submit LCR data files in the proper format and will be able to provide this service for their clients
- We will be communicating with water systems about the need to submit individual LCR results electronically. Only labs that are registered on LTS will be able to submit these data.

## LAB-TO-STATE

### *SIMILARITIES BETWEEN LTS AND EDT STRUCTURE*

- Text file format (RES vs. CSV)
- Samples require a “Sample” record and one or more “Result” records
- Sample Site ID (PS-Code)
- Lab Number
- Sample Date and Time
- Analytical Result
- Method

## LAB-TO-STATE

### *DIFFERENCES BETWEEN LTS AND EDT STRUCTURE*

- Analyte codes instead of Storet codes
  - Lead = 1030
  - Copper = 1022
- Lab Sample ID Number
- Expanded “PS-Code” that include PWS ID + Facility ID + Sampling Point ID
- Separate “Less-Than” and “Detection Level” Indicators instead of XMOD field
- Units of Measure reported with result
- Write-On does not support LTS structure set format

## LAB-TO-STATE

### *STRUCTURE SET FOR LCR*

#### **Basic Reporting Requirements**

- Lab Certification Number
- Lab Sample ID Number
- Analytical Method
- PWS ID
- Water System Facility (Generic Distribution System)
- Sample Site (Generic Sample Site Location)
- Collection Address (Required for sample location information)
- Sample concentration and UOM, or
- If ND; report Less Than Indicator and Detection Level

## LAB-TO-STATE

### QA PROCEDURES FOR LCR DATA

#### Elements

- PWS ID
- Lab ID
- Generic Sampling Point
- Address
- ELAP Accreditation
  - Methods

## MOVING FORWARD

- Ensure certified labs can report LCR data for direct submittal to SDWIS
- The portal will only accept LCR data at this time. All other data should continue to be submitted to WQI using the existing EDT format
- Inform the water systems about the requirements for submittal of individual LCR data

## NEXT STEPS

- Laboratories that are capable and interested, please send an email to the SDWIS Unit at [SDWIS@waterboards.ca.gov](mailto:SDWIS@waterboards.ca.gov).
  - We will provide you with login information.
  - There will be additional training on the structure set in the near future.
- Webpage:  
[http://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/free\\_webinar.shtml](http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/free_webinar.shtml)

## LTS Demonstration

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# Testimony by Weck Labs

Bryan Dinh, IT/LIMS Director

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# Questions?

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