



State of Oregon
Department of Environmental Quality

EDD Toxics Report for: City of Molalla STP

Permit Number: 101514

Number of Sampling Events: 1

Report Date: 2021-03-17

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Water Quality Permit Data Steward

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Sampling Information and Pollutants Analyzed

Table 1 contains the sampling dates, project, location, and method of sample collection. A “24 hr Composite” is a sample that was collected over the course of 24 hours. A “Composite” sample is a sample that is made up of six discrete grab samples. Please note that two consecutive days are likely one sampling event, as a 24 hour sample can be started on the same day as other samples and not end until the next day (Dates for 24 hr samples are always the end date of the sample).

Table 1: Sampling Event Information

Sample Date	Project	Station Description	Location ID	Sample Collection Method(s)	Activity ID(s)
2021-02-10	Copper BLM	Molalla STP Effluent Discharge Monitoring Station	34183-ORDEQ	24 Hr Sample, Grab	21-04702-9112, 21-04702-9112-FM
2021-02-10	Copper BLM	Molalla River Water Intake	Molalla_Ambient	Grab	21-04702-9111, 21-04702-9111-FM

The following tables contains lists of pollutants (subset by analyte type) analyzed and submitted by the permittee. Please see individual permit for list of required pollutants and the monitoring schedule.

Table 2: Metals

Pollutant	CAS Number	Observations
Aluminum, Total Recoverable	7429-90-5	2
Calcium, Dissolved	7440-70-2	2
Copper, Dissolved	7440-50-8	2
Copper, Total Recoverable	7440-50-8	2
Magnesium, Dissolved	7439-95-4	2
Potassium, Dissolved	7440-09-7	2
Sodium, Dissolved	7440-23-5	2

Table 3: Physical Chemistry

Pollutant	CAS Number	Observations
Alkalinity, total	NA	2
Chloride	16887-00-6	2
Hardness, Ca, Mg	NA	2
Organic carbon, Dissolved	NA	2
pH	NA	2
Sulfate	14808-79-8	2
Temperature, water	NA	2

Water Quality Data Steward Comments:

The data provided to DEQ was reviewed by the Water Quality Permit Data Steward. A summary of data review parameters and any issues noted are as follows:

Quantitation Limits

A quantitation limit (QL) is the lowest amount of a pollutant that can be reliably measured. Permittees are required to use the most sensitive analytical test method, as specified in 40 CFR 122.44(i)(1)(iv). Established QLs were adopted in 2007 for NPDES permits and updated in 2020 by DEQ WQ Permitting and Program Development.

NO KNOWN ISSUES

Methods

Permittees are required to use methods approved under 40 CFR 136. There are some pollutants that have no approved methods under 40 CFR 136. In some cases, permittees may obtain approval to perform different methods for specific pollutants through EPA. These instances are permittee-specific and should be contained within the permit. Please see the individual permit.

NO KNOWN ISSUES

Total Recoverable vs Dissolved

In the analysis of metals, the dissolved fraction of the pollutant should be less than the total recoverable fraction of the pollutant. However, there are some cases where sample contamination from an outside source

or method uncertainty causes the dissolved fraction to be larger than the total recoverable fraction.

NO KNOWN ISSUES

Estimated Data

Data may be estimated for a variety of reasons including issues with quality control, sampling, hold time, and/or storage that causes the data to be biased high or low. This table does not include “J flag” data, ie results that fall between the method detection limit and quantitation limit, as this data is routinely estimated and does not reflect any potential bias in the result. Estimated data may still be usable for permitting purposes, but must be used with caution.

Table 4: Estimated Data (not including J flag data)

Activity ID	Pollutant	Result	Unit	Comment
21-04702-9111	Organic carbon, Dissolved	1.35	mg/l	Analyte found in the filter blank. Result may be biased high. FILTER BLANK : 0.49mg/L

Water Quality Data Steward Comments:

Rejected Data

In some cases, data does not pass quality control analysis. This data may still be usable for permitting purposes, but must be used with caution.

NO KNOWN ISSUES