

STATE OF COLORADO

John W. Hickenlooper, Governor
Larry Wolk, MD, MSPH
Executive Director and Chief Medical Officer

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
Located in Glendale, Colorado
www.colorado.gov/cdphe



Colorado Department
of Public Health
and Environment

January 8th, 2015

Re: Request for Water Quality Data for the 2016 List of Impaired Waters - 303(d) List

The Colorado Department of Public Health and Environment, Water Quality Control Division (division) is asking for your assistance in preparation for the 2016 List of Impaired Waters. This effort requires compilation of recent water quality parameters including biological, physical, chemical, and other related data that has been collected throughout the river basins. This compilation of data from streams, lakes, and reservoirs will be the basis of the division's recommendations to the Water Quality Control Commission (WQCC) for the development of the 2016 303(d) List of Impaired Waters.

The schedule for the review of WQCC Regulation No. 93 Section 303(d) List Water-Quality-Limited Segments Requiring TMDLS and subsequent rulemaking is as follows:

Data Submittal Due	April 15, 2015
Draft Proposals Due	July 15, 2015
Proponents Pre-hearing Statements Due	First week in October, 2015
Responsive Pre-Hearing Statement	Last week in October, 2015
Responsive Pre-Hearing Statement Rebuttal	Last week in November, 2015
Rulemaking Hearing	December 14, 2015

The division recognizes that other parties may have water quality data that would be appropriate to include in the data analyses for the development of the 2016 303(d) List of Impaired Waters. A list of the division's monitoring sites is available upon request. In addition, there are numerous stream segments that the division was unable to sample and third party data may fill these data gaps.

The division is requesting water quality data from any sampling events that have been conducted statewide during the last five years. **There is no need to submit data that have previously been submitted to the Environmental Data Unit.** If you recently provided data to the division, either directly or via the Colorado Data Sharing Network (CDSN), for the South Platte (Regulation #38) data call, it is not necessary for you to resubmit this data unless you have new or updated data that you would like the division to consider for 303(d) listing purposes. Data that have been previously submitted to other areas within the division should be resubmitted in order to ensure that it is used in this assessment process. Please note that this data call is separate from the data submittal requirements per Regulation 85.

The data should follow the credible evidence guidelines used in the compilation of previous 303(d) lists. The guidelines are:

1. Information to describe the methods used for sample collection and field or laboratory analysis.

2. The sample fraction for each analyte being reported. This is very important since the water quality standards may be based on a specific fraction such as total or dissolved.
3. Sufficient information and data to indicate that the measurement represents existing conditions.
4. In general, the division assesses data from the most recent five year period of record. Older data may be used on a case-by-case basis if the division believes conditions have not changed and this older data is still representative or the older data is used with newer data to determine trends.
5. Physical and biological assessments performed by an observer who has training and experience in performing such observations, and recorded observations adequately account for seasonal variation.

Along with the site location (latitude/longitude, descriptive information, and/or a map) and date and time of the sampling event, any of the following parameters are of particular interest to the division, although any other parameters or analytical techniques may be helpful and are welcomed:

Parameters of Interest	
• Flow Rate	• Ammonia (un-ionized and total with accompanying pH and temp)
• pH	• Hardness (total as CaCO ₃)
• Water Temperature	• Total Phosphorous
• Dissolved Oxygen	• Sulfate
• Specific Conductivity	• Nitrite
• Arsenic (dissolved and total recoverable)	• Nitrate
• Cadmium (dissolved)	• Total Nitrogen
• Chromium III and VI	• Kjeldahl Nitrogen
• Copper (dissolved)	• Total Phosphorous
• Iron (dissolved and total recoverable)	• Sulfate
• Lead (dissolved)	• <i>E. Coli</i> (per 100 ml)
• Manganese (dissolved)	• Aquatic life data (fish, macroinvertebrates, algae, macrophytes)
• Mercury (total)	• Periphyton data
• Nickel (dissolved)	• Aquatic life habitat data
• Selenium (dissolved)	• Fish tissue residue data
• Silver (dissolved)	• Organic chemicals and/or pesticides
• Zinc (dissolved)	
Additional Parameters of Interest for Lakes & Reservoirs	
	• Depth profiles including pH, temperature and dissolved oxygen
• Secchi depth	• Chlorophyll <i>a</i>

The water quality data should be provided in electronic format, including the associated meta-data, detection limits and information explaining that the samples were collected and analyzed according to established quality assurance procedures. All lab codes, qualifiers or other abbreviations used by monitoring agencies should be defined. An example of the acceptable data formats is available on the WQCD web page under the heading *River, Lake, and Stream Data (Data submittal forms)* (<https://www.colorado.gov/cdphe/rivers-lakes-and-streams-data>). An agency contact person and telephone number should also be submitted. **Data must be submitted to Arne Sjodin** (arne.sjodin@state.co.us) **with "2016 Regulation 93 Data" in the subject line of the email.** Data must be received by **April 15, 2015**. Data received after this date will not be reviewed and incorporated into the division's proposals for Regulation No. 93 rulemaking hearings in 2015. All

January 8, 2015

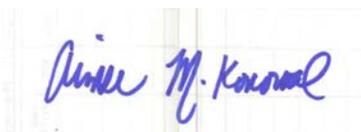
information collected by the division will be available for public review and use after the division's Pre-Hearing Statements are submitted.

The division is also working with the Colorado Data Sharing Network (CDSN) on this data call for Regulation #93. If you are working with CDSN on the management of your data, or would like to start using CDSN, please submit your data through them by going to http://www.coloradowaterdata.org/datacalls_cdsn.html. There is no reason to double submit your data. An added benefit of using CDSN is that your data will be available, along with all other participating entities' data, for other uses including CDSN mapping and analytical tools. If you are using the CDSN, please notify the division that you are doing so by April 1st, 2015. You will also need to begin working with CDSN as soon as possible, but no later than February 15, 2015.

For more information or any questions please contact Sarah Wheeler (303-692-3436, sarah.wheeler@state.co.us), Robert Hillegas (303-692-3137, robert.hillegas@state.co.us), John Hranac (303-692-3586, john.hranac@state.co.us), Kristy Richardson (303-692-6412, kristy.richardson@state.co.us), Arne Sjodin (303-692-3522, arne.sjodin@state.co.us), Scott Garncarz (303-692-2374, scott.garncarz@state.co.us) or Tatyana DiMascio (303-692-6408, tatyana.dimascio@state.co.us) of the Environmental Data Unit.

The division uses email distribution lists from the WQCC Office. Please contact the WQCC office at <http://www.cdphe.state.co.us/op/wqcc/> or 303-692-3463 if you would like to be removed, or know of any individuals or organizations that should be added.

Sincerely,



Aimee Konowal
Environmental Data Unit Manager
Water Quality Control Division