

Laboratory Data Submission Standards for Water Quality

Yukon Water Board

Water Resources – Dept. of Environment

Compliance, Monitoring and Inspections –
Dept. of Energy, Mines and Resources



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Introduction

The Yukon Water Board, Water Resources Branch of the Department of Environment and the Compliance, Monitoring and Inspections Branch of the Department of Energy, Mines and Resources have developed the following standards to ensure water quality data submissions are complete and accurate. Doing so will enable all current and future users' access to data. The Yukon Water Board requires submission of water quality data as stated in some licenses both in hard copy and in digital format.

Laboratory Submission Standards

All water quality data submitted digitally to Waterline needs to include:

- The original laboratory report (Certificate of Analysis)
- Laboratory data in the 'Yukon EQWin' format, in one of the following formats: .csv, .xls, or .xlsx.
- Metadata fields must be recorded on the chain-of-custody (COC) form to provide the laboratory with adequate information to meet the requirements of the 'Yukon EQWin' format. Required metadata information includes:
 - Sampling Agency: Organization or company collecting the samples
 - Sample Date
 - Sample Time
 - Station Code
 - Sample Class:
 - "M" Regular/Routine Monitoring Sample
 - "I" Incident: AMP trigger samples (additional samples required when an AMP threshold is met), samples collected after an incident such as a spill, freshet, flooding, or any other unusual event.
 - "D" Duplicate, replicate or split samples for QAQC purposes
- Field data (in-situ) is submitted in one of the following formats: .csv, .xls, or .xlsx
- Blank samples must be identified with an intuitive station code such as "FB" for Field Blank and "TB" for Trip Blank.

Reporting Using the Yukon EQWin Format

We have worked with a number of laboratories to ensure that the 'Yukon EQWin' format is available when requested. Licensees may request the format from laboratories by speaking with their laboratory project manager and/or by requesting the 'Yukon EQWin' format on the COC form. The following laboratories will produce a file that meets these standards:

- AGAT Laboratories
- ALS Environmental: Request the "YUKON_YG_EQWIN_CAN" format
- CARO Analytical Services
- Exova
- Bureau Veritas: Request the "AX004" format

If you want to work with laboratories not on this list, contact the Water Information Specialist at Water Resources Branch or the Manager of Major Mines and Monitoring at Compliance, Monitoring and Inspections.

Data authorized to have analyses performed by internal laboratories do not require use of the 'Yukon EQWin' format. However, such data must be clearly identified as originating from an internal laboratory.

For assistance please contact:

Water Information Specialist, Water Resources Branch:

867-456-6538 or waterresources@yukon.ca

Manager of Major Mines and Monitoring, Compliance, Monitoring and Inspections Branch:

867-332-4148 or EMR-CMI-WATERLAB@yukon.ca

Data Management Specialist, Yukon Water Board:

867-456-3801 or ywb@yukonwaterboard.ca