

August 1, 2021

Telemetry Requirements and Industrial Water Depot Policies for Compliance with Conditional and Temporary Water Permits

Before the withdrawal of water, a meter and telemetry system must be installed and communicating with the Department of Water Resources Water-Use Database.

The meter and telemetry system (MTS) must be capable of reporting at least one meter reading per day to the web services hosted by the Department of Water Resources, whether pumping is occurring or not.

Only one MTS is required for each water depot, provided there is a "master meter" which monitors all water use. If multiple systems are pumping water from the approved point(s) of diversion and are not connected to each other, an MTS is required on each system. If a water depot has both ground water and surface water sources, a separate MTS is required for each water source. The telemetry system is calibrated to work with the meter; therefore, the telemetry system must always remain attached to the meter. In the case of temporary water permits, once an MTS is installed, it must remain in place until the water permit expires, is no longer in use, or has been requested disconnected from its associated water depot. Permitholders shall notify the Department of Water Resources and provide a final (end) meter reading within three days if an MTS is replaced or removed.

The electronic delivery of real-time data must be through a SOAP (Simple Object Access Protocol) service. After a telemetry system has been installed, SOAP Credentials must be requested. SOAP Credentials will be issued along with an initial Weekly Meter Report and a copy of the Monthly Water Meter Report. The Weekly Meter Report must be completed for the first 7 days of pumping. Daily entries of water use should be entered onto the report for 7 days. After the 7th day, a copy of the report must be submitted to the Department of Water Resources via mail or email. Monthly Water Meter Reports will also be required for every month an MTS is communicating with the Department of Water Resources Water-Use Database, even if water has not been withdrawn. The Monthly and Weekly Meter Reports are to be completed by taking visual readings of the meter and documenting the values on the respective sheets. These reports provide the necessary information for telemetry system calibration and are an important aspect of keeping a permitholder in compliance. A depot login and password will be issued after the SOAP Credentials have been issued. The permitholder must monitor their MTS regularly to verify it is connected and reporting accurately at least once per day.

It is important to note there could be technical failures with an MTS beyond the permitholder's control. Reporting water use remains the permitholder's responsibility even when the MTS is not operating properly. In the event the MTS fails, the Department of Water Resources must be notified immediately, and daily meter readings should be collected and reported to our office until the MTS is operating properly. Keeping the Department of Water Resources informed throughout this process will be taken into consideration when evaluating compliance with telemetry requirements.

SOAP Credentials from the State can be requested online using the following link:
http://www.dwr.nd.gov/reg_approp/waterpermits/meter_request.html

After receiving your SOAP Credentials, use the below link to log into your depot:
<http://dwr.nd.gov/permitlink/4dcgi/DepotLoginForm>

An updated version of this document will be maintained and found at the following link:
http://www.dwr.nd.gov/pdfs/telemetry_requirements.pdf

For any questions or assistance setting up your MTS, please contact a Water Resource Program Administrator at 701-328-2754, or by e-mail at depotreporting@nd.gov