



North Dakota State Water Commission

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WATER APPROPRIATION DIVISION

Telemetry Requirements and Industrial Water Depot Policies

November 1, 2017

The telemetry system must be capable of reporting at least one meter reading per day to the web services hosted by the Office of the State Engineer. Listed below are the vendors and companies that provide telemetry services that meet the reporting requirements outlined by the State Engineer. This list will be periodically updated as more vendors are able to meet State Engineer's requirements.

Flowpoint Systems:

Jakub Zielinski - 877-655-5585

Fusion Integrated Technologies:

Steve Clayton - 701-258-8899

Information Data Technologies (IDT):

Agri-Industries - 701-572-0767

SoloTek LLC - 701-934-5159

Steve Uban - 605-878-3345

McCrometer:

Mon-Kota Irrigation - 701-844-5300

Joseph Harker - 307-677-6492

Micro-Comm:

Chris Cote - 913-390-4500

Preferred Controls:

Peter Desautel - 701-839-0181

Well Head Automation:

TJ Halverson - 701-641-8631

Most of these vendors maintain websites that can be used by the depot owner/manager to verify meter readings. If you prefer to work with a system that is not listed above, prior approval is required by the Office of the State Engineer. The web service specifications are available at:

<http://dbase1.swc.nd.gov:8082/4dwsdl>.

Only one telemetry system is required for each water depot, providing there is a "master meter" which monitors all of the water use at a water depot. If a water depot has both groundwater and surface water sources, a separate meter and telemetry system is required for each water source. The telemetry is calibrated to work with the water meter, therefore, the telemetry system must remain attached to the meter for the duration of the water permit's period of use. In the case of a temporary water permit, once a water meter and telemetry system are installed, the meter and telemetry must remain in place until the water permit expires, or the depot is permanently closed by the permit holder.

After a telemetry system has been installed, monthly meter reports will be required to ensure that the telemetry installation is functioning correctly. The monthly meter reports also provide the necessary information for calibrating the telemetry system.

We recognize there could be technical failures with telemetry systems from time to time that are beyond the control of the depot owner or manager. Reporting water use remains the responsibility of the permit holder even during times when the telemetry is not operating properly. In the event of a telemetry failure, the Office of the State Engineer should be notified immediately and daily meter readings should be collected and reported to our office until the telemetry is back online. Keeping our office informed through the duration of this process will be taken into consideration when evaluating if your project is in compliance with the telemetry condition of your water permit.

The telemetry pilot study report can be found at the following link, or by searching "telemetry study report" at <http://swc.nd.gov>.

http://www.swc.nd.gov/pdfs/telemetry_study_report.pdf

An updated version of this document and the telemetry vendor list will be maintained at the following link:

http://www.swc.nd.gov/pdfs/telemetry_requirements.pdf

Telemetry systems must be installed and connected to the Office of the State Engineer's database prior to the withdrawal of water. A depot login and password will be issued by contacting the Water Resource Program Administrator at (701) 328-2754 or by e-mailing depotreporting@nd.gov.

If you have any questions regarding these matters, please contact Jim Sorenson at 701-328-2754, or by e-mail at jsorenson@nd.gov.