

ADMINISTRATION PROTOCOL

Data Logger Criteria

Division One – South Platte River

This protocol addresses the minimum standards required for all new installations of flow recording devices used to document diversions and releases in the South Platte River basin, unless:

- another type of flow recorder is specifically required by the water commissioner; or,
- the water user obtains the expressed written consent of the division engineer or water commissioner to install a nonconforming flow recording device.

This protocol also applies to existing installations as required by the water commissioner.

The data logger must:

1. be able to communicate via Pocket PC compatible handheld device (Windows CE Operating System) and Windows based Laptop;
2. be capable of recording data at a minimum of 15 minutes intervals;
3. have a local display that shows current stage, instantaneous discharge rate and daily discharge volume, or cumulative volume pumped; and;
4. have a permanent, non-erasable log capable of holding a minimum of 180 days of 15 minute data before overwriting (log wrapping) or download;
5. have a real time, internal clock with battery backup;
6. use off-the-shelf batteries commonly available at the local hardware store.

The user must provide, at no cost to the state or water commissioner, any software required to setup and download the data from the data logger. In the event the division engineer authorizes the use of a nonconforming data logger, all devices and software required to communicate with the data logger must be provided to the water commissioner at no cost.

Data loggers that have the following capability are preferred, but such capabilities are not required in order to comply with the protocol:

- be able to be interrogated from the front panel and NOT require a Laptop or handheld device to be set up; and,
- have an event log that shows changes to the set up.