

RULE 4.3. MONITORING REQUIREMENTS CHEKCLIST

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- Monitoring equipment as reasonably required installed (Badger turbine (8 inch model 3500 & 12 inch Model 6200) meter as specified by POSGCD in construction specifications) MAG meter have been ordered and installed equipment will be registered with POSGCD.
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- Wells capable for use as monitoring well (Any GCD equipment will need to meet project design specifications to comply with equipment warranties and protocols)
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- Well equipment has capability to measure water level and cumulative discharge rates. Meters and transducers installed in wells measure water level and flow rates and report data to centralized SCADA system continuously. Data is reported to historian on an hourly basis.
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- Monitoring equipment consists of transducer, a sonic water level, or equivalent technology capable of measuring within an accuracy of 0.1 ft and recording data at hourly intervals. InSitu transducers measure water level within 0.1 ft while recording data at hourly intervals. Well Watch systems are not working in multiple wells due to acoustic interference from turbine well shaft. Evaluating multiple probes types for alternative. InSitu transducers continue to report to SCADA.
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- Monitoring equipment consists of inline totalizing meter satisfying Rules 11.2.2, 11.2.3, 11.2.4 ft and recording data at hourly intervals. (Badger turbine (8 inch model 3500 & 12 inch Model 6200) meter as specified by POSGCD in construction specifications) Data is recorded in SCADA and downloaded via historian into spreadsheet format. Network security does not allow external communication connection to SCADA system and download is via USB authorized download.
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- Equipment and wells are available for GCD inspection upon 7 day notice. Only one tour conducted in 2021. No tours in May 2022.
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- Monitoring data will be reported to the GCD electronically on a monthly basis using approved format. The submission will be emailed to the GCD with a hyperlink to the data. Well monitoring data has been submitted to RW Harden for QA/QC and electronic submission to POSGCD.
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- Statement that data has been checked using QA/QC protocols. Statement documenting QA/QC protocols will be signed by P.E. or P.G. and submitted to GCD on monthly basis.

Submission of data will be completed in a timely manner and by the 15th day of the following month. [Historical and current month \(May 2022\) have been submitted to POSGCD.](#)

Monitoring data is collected in at least 4-hour interval for each well. [SCADA historian is programmed to record monitoring data on an hourly interval.](#)

Wells allow access to collect water samples at well location. [Water sampling locations are located at each well site.](#)