**INTEGRATING CP & TANK LEVEL MONITORING**

**PROBLEM**
- Unmonitored cathodic protection systems
- Potential for well casing corrosion
- Reliance on 3rd party pumpers for tank level monitoring
- Potential for overflow or unnecessary site visits

**SOLUTION**
The Elecsys SentraLink CP provides 2 analog voltage measurement channels for CP monitoring plus 2 transducer channels ideal for monitoring tank levels at isolated well sites. Any CP failure triggers an alarm notification to well operators and the party responsible for site maintenance. In addition, the system monitors tank levels for advance notification of high levels to prevent overflows and to optimize pumper routes and scheduling.

**ENSURING OPERATION OF CHEMICAL INJECTION SKIDS**

**PROBLEM**
- Low or empty material tanks
- Power failures, depleted batteries
- Pump failures
- Unplanned consumption of expensive chemicals

**SOLUTION**
The Elecsys SentraLink CP monitors tank level, input power (solar panel), battery voltage, and meter pulse counts. Monitoring tank levels enables operators to efficiently schedule refilling, track usage, and assures proper billing when refilled. Analog measurement channels can monitor both solar panel output and storage battery levels to prevent outages. Meter pulses are accumulated to monitor proper operation.

**MONITORING INPUT POWER, CP & PRESSURE AT STORAGE WELLS**

**PROBLEM**
- Tracking pressure changes for compliance reporting
- Timely detection of alarm conditions
- Monitoring voltage potentials on pipelines
- Assuring adequate power

**SOLUTION**
The Elecsys SentraLink CP enables pressure monitoring in underground gas storage wells (deep rock formations, depleted wells), for regulatory compliance and provides rapid notification of out of range conditions. Pipe to soil potentials in the storage field are also monitored to assure adequate CP across the pipeline network. The unit also monitors input power (solar, storage battery, ...) to provide notification for maintenance and system integrity.

**DETECTION OF HAZARDOUS GASES AT FIELD SITES**

**PROBLEM**
- H2S accumulation at well sites
- Chlorine gas accumulation from ground beds
- CO2, carbon monoxide, etc.
- Potential health and safety issues

**SOLUTION**
The Elecsys SentraLink CP effectively monitors system for continuous detection of hazardous gases at remote field locations. Sensors designed to detect H2S or chlorine gas, as well as other potentially harmful gases, accumulating in ambient environments can be scanned by the SentraLink CP at 1 minute intervals. In addition, systems designed to neutralize hazardous gases such as chemical injection systems can be monitored for proper operation.
WELLSITE/GATHERING SYSTEM APPLICATIONS

Programmable over the web
Surge resistant circuitry
Rechargeable NiCd backup battery for notification of power failure
2 Analog voltage inputs, 2 sensor/transducer inputs, and 1 digital input

MONITORING INPUT
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INTEGRATING CP & TANK LEVEL MONITORING

SENTRALINK CP SOLUTIONS FOR WELLSITE & GATHERING SYSTEMS