



Mark Taylor | Principal

mark.taylor@skmeng.com

Mr. Taylor is a programmer and field technician with experience in control systems design and integration, as well as control systems maintenance and support. His experience includes source water, irrigation, water treatment, wastewater collection, and wastewater treatment. In each of these areas, he has been responsible for SCADA system programming, implementation, commissioning, and maintenance. Mr. Taylor has also been responsible for operator coordination and training for many of these projects. He has designed and installed new systems, replaced old systems, and expanded existing control systems. Mr. Taylor has worked with communications systems including radio, fiberoptic, ethernet, serial, and proprietary communications systems such as controlnet. He has conducted numerous path studies, for both licensed and non-licensed radio communications systems. He has installed radio telemetry systems with over 40 remote sites.

Project Experience

Sandy City SCADA, Sandy, UT. Programmer.

Mr. Taylor programmed the PLCs, the HMI computers, and the operator interfaces for the city's entire freshwater system. This included reporting, monitoring, alarming, and full system control. The project involved over 40 remote sites. Mr. Taylor was also responsible for operator training and commissioning. SKM and Mr. Taylor are under contract with Sandy for SCADA system support and expansion.

Toana Vista Golf Course SCADA, West Wendover, NV. Programmer/Field Technician.

Mr. Taylor programmed the PLCs, designed the PLC panels, and programmed the HMI computer. This included reporting, monitoring, alarming, and system control. The project involved interfacing with the existing SCADA system at the wastewater plant to pump water to the golf course for water feature/irrigation purposes.

Magna WWTP SCADA, Magna, UT. Programmer/Field Technician.

Mr. Taylor programmed the PLC and operator interface for part of the plant that was being upgraded, and then did all of the programming involved in upgrading the entire plant's existing HMI. He was also responsible for commissioning and operator training. Mr. Taylor and SKM maintain the plant's SCADA and controls, and are under contract to perform programming on upcoming additions.

Kennecott Daybreak SCADA, South Jordan, UT. Programmer.

Mr. Taylor programmed the HMI computer. This included reporting, monitoring, alarming, and system control. He also picked up where a previous control system integration company had left off, and worked with the system operators to successfully commission the entire automatic control system. Mr. Taylor and SKM are currently under contract with Daybreak to maintain and expand their SCADA system.

Moroni WWTP SCADA, Moroni, UT. Programmer.

Mr. Taylor programmed the PLC and HMI computer for the entire WWTP facility. This included reporting, monitoring, alarming, and system control as well as commissioning and operator training. Mr. Taylor and SKM are currently under contract with Moroni to maintain and expand their SCADA system.

Mountain Regional Water SCADA, Summit County, UT. Programmer.

SKM designed a new SCADA system for the district that included all of the water distribution, raw water collection, and treatment. Mark assists in maintaining the system.

Pureflow Filtration Systems, Whittier, CA. Programmer.

Mr. Taylor has programmed several PLCs and operator interfaces for Pureflow Filtration System's proprietary freshwater filters. These projects often involved interfacing with existing SCADA systems and coordinating with other control system integrators, as well as system operators. SKM and Mr. Taylor are currently working with Pureflow on several new projects in several different states.

Education

BS Electronics Engineering Technology,
Weber State University, 2002

Registration

EIT (Electrical):
Utah

Work Experience

15 Years



Mark Taylor | Principal

Project Experience (continued)

West Wendover SCADA, West Wendover, NV. Programmer/Field Technician.

Mr. Taylor performed all of the programming involved in upgrading the city's HMI computers for their existing SCADA system. The SCADA system includes the WWTP, freshwater, waste water collections, and wastewater reuse. Mr. Taylor and SKM continue to work with West Wendover, assisting them in all of their SCADA maintenance and expansion needs.

Magna EDR and BioBrox Facility, Magna, UT. Programmer.

Mr. Taylor programmed the PLC and HMI for the EDR and BioBrox facility, and was also responsible for commissioning and operator training.

