FRAKES ENGINEERING

INDUSTRIAL AND MUNICIPAL AUTOMATION AND PROCESS CONTROL SYSTEMS
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Allen Neff
Yorktown WWTP
2001 S. West Street
Yorktown, IN 47396

SUBJECT: Alarm Notification System

The recent plant upgrades have installed several new control systems operating as stand-alone independent systems. With this configuration, operators do not have the ability to monitor the status of each system and receive an alarm notification when they are not on-site. Frakes Engineering is proposing an alarm notification system that can monitor the primary control systems for problems and send notifications directly to their cell phones.

The system design will monitor the primary systems across an ethernet radio network that will link the systems to one central location or the headworks building. At this location the headworks PLC will be programmed to collect all the status information from each control system and place it into a single data base. This data base will be monitored by a computer that is running Win911 alarm notification software. When an alarm happens, the software checks the call out schedule and only send the alarm during off-site hours. A cellular modem connected to the computer is the means by which the alarm is sent to the operator cell phone. Also, the operator will have the ability to call in at any time to view preprogrammed reports setup on the computer. Below is a list of services provided.

- Provide Dell OptiPlex alarm notification computer
- Provide Win911 Interactive alarm notification software
- Provide Win911 LX40 cellular modem
- Provide Ubiquiti point to multipoint ethernet radio hardware
- Provide computer and ethernet radio hardware installation
- Provide computer setup and Win911alarm notification programming
- Provide headworks PLC programming.

Total price as describe above **$35,000.00**

Delivery is 4-6 weeks. Warranty is one year.

This quotation by reference incorporates the standard Frakes Engineering, Inc. terms and conditions for a fixed price contract. Any terms specifically called out in this Scope of Work will supersede the standard terms and conditions. The balance of the general terms and conditions still apply. If you do not have a copy of such standard Terms and Conditions, one will be provided upon request. Frakes Engineering warrants all supplied materials and labor for a period of 1 year from the date of beneficial use by the customer. Specific extended warranties by the manufacturers may cover materials, but not labor. Indiana Sales Tax has not been added and to be the responsibility of the purchaser. We look forward to the opportunity to assist you in completing this project.

Please give me a call if there are any questions.

Respectfully
FRAKES ENGINEERING, INC.

Michael Ruckstuhl

MICHAEL RUCKSTUHL
Project Manager, FEI