

WASTEWATER TREATMENT PLANT PROJECT

The City of Algona is approximately six months into the 2011 Wastewater Treatment Plant Upgrade. A new clarifier tank and Ultraviolet (UV) Light Disinfection chamber have been poured. Things have been progressing slowly due to the ordering, fabrication and delivery of mechanical equipment. The pace is about to pick up. Temporary piping is being installed to bypass the main lift station at the plant. This will allow the contractor to clean the wet well, replace the main lift station pumps, and install new pump controls and alarms. During this time City personnel will perform maintenance on the screen and other equipment.

The contractor will be working seven days a week during the bypass to complete the work required. After this portion of the project is completed the contractor will then begin the installation of new equipment in the main trickling filter, the new clarifier, an existing clarifier and another trickling filter. The mechanical, electrical equipment and bulbs for the UV chamber will also be completed. The UV bulbs produce an ultraviolet light which kills bacteria and other pathogens which disinfects the plant effluent prior to discharge to the river.

This project has been staged to be completed while the plant is under full operation. Only specified portions of the treatment process can be taken out of service at a time. This staging of construction will allow the plant to maintain an effluent flow which or exceeds IDNR requirements.

The \$2.6 million project is scheduled to be completed by the September 18, 2011.