
PROJECT DESCRIPTIONS

Project: Upgrade Village of Questa wastewater treatment plant; Groundwater

Objective: The goal of this preferred restoration project is to improve groundwater by reducing excess nitrates in the alluvial groundwater and improve surface water in the Red River where it has been impacted by the alluvial groundwater plume.

Description: The Village of Questa will be given \$2.5 million to upgrade its wastewater treatment plant. The plant will be upgraded to meet the 20 mg/L nitrate standards that are currently part of its permit discharge requirements (that are not currently being met). The project also allows for development of a monitoring and adaptive management plan to ensure that the plant continues to meet the permit requirements.

Benefits: The project will reduce excess nitrates in alluvial groundwater and improve the Red River surface water quality where impacted by alluvial groundwater plume.

Spatial Extent of Project: NA?

Time Frame:

Probability of Success: The probability of success is high because this project involves a standard engineering solution for a wastewater treatment plant upgrade. The upgrade will be designed to meet the 20 mg/L nitrate standards.

Performance Criteria and Monitoring: Success of this project will be measured through nitrate discharge levels that are monitored as part of the permitting process.