

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: **Infiltration and Inflow Reduction Project**
Summit Springs Regional Wastewater District
P.O. Box 56
Sulphur Springs, IN 47388

SRF Project Number: WW 09 47 33 01

Authorized Representative: Mr. Max Lines, President
Summit Springs RWD Board

II. PROJECT LOCATION

Summit Springs Regional Waste District (RWD) is comprised of the towns of Sulphur Springs and Mt. Summit which is located in Henry County. The project area is located within the Sulphur Springs USGS topographic quadrangle in Jefferson and Prairie Townships, T18N, R9E, Sections 13, 18, 19 and 24 and T18N, R10E, Sections 15, 16, 21 and 22 (see Figure 1).

III. PROJECT NEED AND PURPOSE

Summit Springs RWD collection system consists of approximately 28,000 feet of 8-inch vitrified clay pipe (VCP), approximately 4,000 feet of 8-inch polyvinyl chloride (PVC) pipe and 175 feet of 12-inch PVC pipe. Also, the Sulphur Springs portion has one lift station while the Mt. Summit portion has five lift stations.

Currently the District's collection system has experienced excessive infiltration and inflow (I/I) problems during heavy rain events. Televising of the sewer system and data obtained from the town's staff have both revealed that the excessive I/I can be attributed to the deteriorating VCP sewers.

The District operates a 0.18 million gallon per day (MGD) treatment facility that consists of two package-type 0.09 MGD extended aeration plants each with aeration, clarification, and sludge holding tanks. The facility also has a two-cell pond and a ultra-violet disinfection system.

As a result of excessive I/I in the collection system, the treatment facility becomes hydraulically overloaded especially during heavy rain events.

Summit Springs RWD collection system needs to be rehabilitated, so that excessive I/I can be removed from the system and alleviate hydraulic overloading conditions in both the collection system and the treatment system.

The "No Action" alternative was rejected since I/I would continue to be problem causing excess wet weather flows to enter the collection system and the WWTP.

Rehabilitation of the collection system included two alternatives: 1) open cut construction and replacement of the existing sewers in the District and 2) rehabilitating the existing sewers by using the cured-in-place (CIPP) lining technology. **Based on cost CIPP was the selected sewer rehabilitation alternative (see Figure 2).**

The District will bid both the Initial Phase I Base Bid Project Area and the Initial Phase I Alternate Bid Project Area (as denoted on Figure 2), so that the selection will be based on a combination of both (including non-construction cost) not to exceed \$100,000.

IV. ESTIMATED PROJECT COST AND FUNDING

The estimated total project cost will be \$100,000 with the District funding \$60,000 and the State Revolving Fund Loan Program funding the remaining \$40,000 in an American Recovery and Reinvestment Act forgivable loan.

V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

The proposed project involves the rehabilitation of existing sewer using a CIPP method and will cause no environmental impacts. The existing sewer running under Bell Creek will be rehabilitation using CIPP and no disruption to the creek will occur. Small cuts will be required to replace service wyes in the right-of-way of County Road 300. Any impact will be confined to the land previously disturbed by the installation of the existing sewer and temporary in nature.

The proposed project will not impact endangered species, wetlands (Figure 3) or 100-year floodplain (Figure 4).

Figure 5 shows the project areas relative to the Henry County Interim Report maps. There are no known historic, architectural or archaeological sites that will be impacted by this project. The SRF's finding pursuant to Section 106 of the Historic Preservation Act is: "no historic properties affected."

VI. PUBLIC PARTICIPATION

A properly noticed public hearing was held on March 12, 2009 at 7:00 p.m. at the Sulphur Springs Town Hall, 107 Meridian Street, Sulphur Springs Indiana. Comments raised during the hearing were: defining stimulus money, sewer rates, and the CIPP process. No written comments were received in the 5-day period following the hearing.