



Southern Delivery System

Pueblo County 1041 Permit

Expenditures for Wastewater System  
Improvements

Annual Report

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January 29, 2010

Reporting for the period January 1, 2009 through December 31, 2009.

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## Introduction

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On March 18, 2009 the Pueblo Board of County Commissioners passed Resolution No. P&D 09-22, approving 1041 Permit No. 2008-002 with terms and conditions for construction of the Southern Delivery System water project within Pueblo County, Colorado.

1041 Permit Condition No. 7 requires that Springs Utilities provide an annual report to the Pueblo County Board of Commissioners on or before January 31 of each year reporting the Wastewater System Improvement expenditures from January 1 through December 31. Condition No. 7 of the permit states:

### ***Expenditures for Wastewater System Improvements***

*In order to continue its efforts to protect against future spills to Fountain Creek, to increase its opportunities for reuse, and to mitigate possible water quality impacts by the SDS Project to Fountain Creek, Colorado Springs Utilities shall commit to invest an additional seventy-five million dollars (\$75,000,000) in its wastewater system. Expenditures will be made as part of the wastewater collection system rehabilitation programs or wastewater reuse systems between January 1, 2009 and December 31, 2024 as required. These expenditures shall be for projects not currently required by other regulatory permits, agency enforcement or court orders, consent agreements, or governmental regulations existing as of January 30, 2009. These expenditures will include the Local Collector Evaluation and Rehabilitation Program (LCERP) for the improvement and fortification of wastewater lines which could adversely affect Fountain Creek or its tributaries. These expenditures are subject to annual appropriation by the Colorado Springs City Council. Beginning in 2010, by January 31 of each year, Colorado Springs Utilities shall provide an annual report to Pueblo County describing such expenditures for the prior year.*

The Wastewater Collection System Rehabilitation Programs are comprehensive programs that systematically inspect, evaluate, prioritize, and rehabilitate the collection system. In 2009 the projects that met the terms of Condition No. 7 are: 1) the Local Collectors Evaluation and Rehabilitation Program (LCERP); 2) the Manhole Evaluation and Rehabilitation Project (MHERP); and 3) the Collection System Rehabilitation and Replacement Project (R&R). These projects are independent of Springs Utilities' normal operation and maintenance programs.

The Wastewater Reuse System consists of several pumping stations, storage reservoirs, holding ponds, transmission mains and a tertiary treatment facility.

## Project Descriptions

### Local Collectors Evaluation and Rehabilitation Program (LCERP)

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LCERP consists of the systematic evaluation and rehabilitation of sewer collection pipes less than 10-inches in diameter.

LCERP:

- Determines the condition of all the sanitary sewer pipe segments less than 10-inches in diameter and places them by priority on a schedule to be re-inspected, rehabilitated, repaired and/or replaced
- Reduces the risk of Sanitary Sewer Overflows (SSO's)

- Is part of the overall long-term investments in Springs Utilities' wastewater system through the year 2025

LCERP repaired or rehabilitated approximately 108,000 feet of sewer pipe less than 10-inches in diameter at a cost of \$7,733,602.72 in 2009.

### Manhole Evaluation and Rehabilitation Project (MHERP)

MHERP has been developed as a comprehensive program to provide the rehabilitation of sanitary sewer manholes throughout the Springs Utilities wastewater collection system.

MHERP:

- Is designed to reduce the risk of spills, stoppages and SSOs
- Reduces infiltration and inflow at manholes throughout the collection system

MHERP repaired or rehabilitated approximately 131 manholes at a cost of \$413,643.32 in 2009.

### Collection System Rehabilitation and Replacement Project (R&R)

The R&R project rehabilitates and replaces large diameter (greater than 10-inch) sewer pipes that were installed after January 1, 1994.<sup>1</sup>

R&R:

- Is designed to facilitate operations, increase capacity, and upgrade the system
- Focuses on the reduction of sanitary sewer overflows and stoppages
- Reduces the risk of spills and protecting the public health and environment

The R&R project rehabilitated or upsized approximately 3,741 feet of greater than 10-inch sewer pipe at a cost of \$776,480.62 in 2009.

### Wastewater Reuse Systems

Colorado Springs maintains a tertiary treatment facility along with a non-potable distribution system.

Wastewater Reuse Systems:

- Delivers tertiary-treated wastewater to parks, cemeteries, golf courses and commercial properties for landscape irrigation
- Includes supplies from raw surface water, groundwater, and reclaimed water

No wastewater reuse system expenditures were made in 2009.

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<sup>1</sup> The Sanitary Sewer Evaluation and Rehabilitation Program, which includes large diameter pipe installed prior to 1994, and the Sanitary Sewer Creek Crossing Project are compliance order Wastewater Collection System Rehabilitation programs that do not meet the terms of Condition No. 7. The foregoing compliance activities resulted in an expenditure of \$12.8M in 2009.

## Summary

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During the reporting period of January 1, 2009, through December 31, 2009, costs for LCERP, MHERP and R&R programs totaled \$8,923,726.66.