



Pueblo County 1041 Permit
Expenditures for Wastewater System
Improvements
Annual Progress Report

January 2012

Reporting for the period between January 1, 2011 and December 31, 2011.

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Introduction

On April 21, 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 Colorado 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 entire Colorado Springs Utilities collection system. In 2011, the projects that met the terms of Condition No. 7 are: 1) the Local Collectors Evaluation and Rehabilitation Project (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 Colorado Springs Utilities' normal operation and maintenance programs, and were not mandated by any permits, agency orders, court orders, consent agreements, or regulations existing as of January 30, 2009.

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 Project (LCERP)

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 (SSOs), and
- Is part of the overall long-term investments to our wastewater system through the year 2025.

In 2011, LCERP repaired or rehabilitated approximately 46,687 feet of sewer pipe less than 10 inches in diameter, representing approximately 189 line segments, at a cost of \$4,561,653.

Manhole Evaluation and Rehabilitation Project (MHERP)

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

- Reduce the risk of spills, stoppages, and SSOs, and
- Reduce infiltration and inflow at manholes throughout collection system.

In 2011, MHERP repaired or rehabilitated 334 manholes, at a cost of \$776,836.

Collection System Rehabilitation and Replacement Project (R&R)

The R&R project rehabilitates or replaces large diameter (greater than 10 inches) sewer pipe that were installed after January 1, 1994¹.

R&R:

- Facilitates operations, increase capacity, and upgrade the system,
- Focuses on the reduction of SSOs and stoppages, and
- Reduces the risk of spills and protects the public health and environment.

There were no pipes rehabilitated in 2011 that would be covered by the terms of the 1041 Permit. All rehabilitation or replacement work on large diameter (greater than 10 inches) sewer pipe that was installed prior to January 1, 1994, was required by CDPHE Compliance Orders and consisted of CIPP and/or point repairs.

Wastewater Reuse System

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

Wastewater Reuse Systems:

- Deliver tertiary-treated wastewater to parks, cemeteries, golf courses, and commercial properties for landscape irrigation,
- Deliver tertiary treated wastewater to Drake Power Plant for evaporative cooling, and
- Include supplies from raw surface water, groundwater, and reclaimed water.

Only normal operation and maintenance of the reuse system was conducted in 2011. There were no additions to the reuse system in 2011.

Summary

During the reporting period of January 1, 2011 through December 31, 2011 costs for LCERP and MHERP totaled \$5,338,489. Since January 1, 2009, Colorado Springs Utilities has spent a total of \$23.9M towards meeting Condition No. 7 of the 1041 permit.

¹ 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 forgoing compliance activities resulted in an expenditure of \$6.39M in 2011.