

Southern Delivery System Permit Compliance Annual Report

Calendar Year 2013

Prepared for:

Bureau of Reclamation

**Colorado Department of Public Health and
Environment**

Colorado Division of Parks and Wildlife

El Paso County

Pueblo County

**Fountain Creek Watershed Flood Control and
Greenway District**

Submitted by:

**Colorado Springs Utilities, SDS Project Manager
on behalf of the SDS Participants**

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Acronyms and Abbreviations

1041 Permit	Pueblo County 1041 Permit No. 2008-002
BMPs	Best Management Practices
CPW	Colorado Parks and Wildlife
CDPHE	Colorado Department of Public Health and Environment
CWC	Colorado Wildlife Commission
CWCB	Colorado Water Conservation Board
EMS	Environmental Management System
FEIS	Final Environmental Impact Statement
FWMP	Fish and Wildlife Mitigation Plan
GMP	Geomorphic Mitigation Plan
IAMP	Integrated Adaptive Management Plan
mgd	million gallons per day
MP	Monitoring Plan
NEPA	National Environmental Policy Act
PCAR	Permit Compliance Annual Report
PDC	Pueblo Dam Connection
Reclamation	Bureau of Reclamation
ROD	Record of Decision
SCMP	Socioeconomic Construction Management Plan
SDS	Southern Delivery System Project
SDS Participants	City of Colorado Springs, City of Fountain, Security Water District, and Pueblo West Metropolitan District
USACE	United States Army Corps of Engineers
USGS	United States Geological Survey
UWCR	Upper Williams Creek Reservoir
WCR	Williams Creek Reservoir
WTP	water treatment plant

Executive Summary

The Southern Delivery System Project (SDS) is a regional water delivery system that will serve the City of Colorado Springs (via Colorado Springs Utilities), City of Fountain, Security Water District, and Pueblo West Metropolitan District (collectively, the SDS Participants).

Purpose

The purpose of the SDS Permit Compliance Annual Report (PCAR), submitted by Colorado Springs Utilities, the SDS Project Manager, is to demonstrate progress in successfully implementing the commitments as prescribed in the Record of Decision (ROD) to the Bureau of Reclamation (Reclamation). Colorado Springs Utilities also reviewed the other six programmatic permits/approvals that are in place to identify the annual reporting requirements of each. The following four permits/approvals have annual reporting requirements addressed in this report:

- El Paso County Location Approvals
 - Planning Commission Resolution U-09-002, March 2, 2010, Southern Delivery System Raw Water Pipelines, Amended by Resolution U-12-001, October 18, 2012
 - Planning Commission Resolution U-09-003, March 2, 2010, Southern Delivery System Finished Water Pipelines, Amended by Resolution U-12-003, October 18, 2012
 - Planning Commission Resolution U-09-004, March 16, 2010, Southern Delivery System Bradley Pump Station
 - Planning Commission Resolution U-09-005, March 16, 2010, Southern Delivery System Upper Williams Creek Reservoir, Amended by Resolution U-12-002, October 18, 2012
 - Planning Commission Resolution U-09-007, March 16, 2010, Southern Delivery System Exchange Flow System, Amended by Resolution U-12-004, October 18, 2012
- Pueblo County Board of County Commissioners Resolution No. P&D 09-22 approving 1041 Permit No. 2008-02, April 21, 2009
- Fountain Creek Watershed, Flood Control and Greenway District (District) Resolution 2010-01, February 26, 2010
- Colorado Department of Public Health and Environment (CDPHE) 401 Certification No. 4224, April 23, 2010, which includes the requirement to provide copies of all other annual reports

The following two programmatic permits/approvals do not specifically include annual reporting requirements.

- Memorandum of Agreement with the State of Colorado, Department of Natural Resources on behalf of the Colorado Division of Wildlife regarding the Fish and Wildlife Mitigation Plan, May 18, 2010
- United States Army Corps of Engineers (USACE) Clean Water Act Section 404 Individual Permit No. SPA-2005-00131-SCO, April 26, 2010

Reporting Requirements

The ROD requires annual reporting to summarize the SDS's progress made in implementing the ROD commitments. Colorado Springs Utilities has elected to develop a single SDS PCAR that addresses the ROD commitments and the other annual or periodic reporting requirements included in the programmatic permits/approvals that are listed above.

Summary of SDS Activities During this Reporting Period

The SDS has met a number of key milestones during this reporting period associated with the design, construction, and completion of various work packages. Construction on 10 pipeline work packages began, continued, or were revegetated during the reporting period, with approximately miles of pipeline installed. Design was completed on the remaining pipeline work packages. Design of the raw water pump stations was completed and construction of water treatment plant and the raw water pump stations began.

Colorado Springs Utilities also continued identification of locations for wetland construction to mitigate the 12.0 acres of non-jurisdictional wetlands affected as a result of SDS and construction began on a portion of this area. Transition of Phase I EMS to Phase II EMS was completed, with on-going effort to track compliance with programmatic permit/approval commitments and construction permit requirements, and included permitting and compliance requirements in design drawings and specifications, as required, for those work packages still in design.

1.0 Introduction

1.1 Purpose

The purpose of the SDS Permit Compliance Annual Report (PCAR), submitted by Colorado Springs Utilities as SDS Project Manager, is to demonstrate the progress in successfully implementing the commitments identified in the ROD (Reclamation 2009). This PCAR has been prepared to be consistent with the ROD and other permits issued by agencies having jurisdiction over SDS, specifically the following programmatic permits/approvals:

- Bureau of Reclamation Record of Decision for the Southern Delivery System Final Environmental Impact Statement, Record of Decision Reference No. GP-2009-01, March 20, 2009
- El Paso County Location Approvals
 - Planning Commission Resolution U-09-002, March 2, 2010, Southern Delivery System Raw Water Pipelines, Amended by Resolution U-12-001, October 18, 2012
 - Planning Commission Resolution U-09-003, March 2, 2010, Southern Delivery System Finished Water Pipelines, Amended by Resolution U-12-003, October 18, 2012
 - Planning Commission Resolution U-09-004, March 16, 2010, Southern Delivery System Bradley Pump Station
 - Planning Commission Resolution U-09-005, March 16, 2010, Southern Delivery System Upper Williams Creek Reservoir, Amended by Resolution U-12-002, October 18, 2012
 - Planning Commission Resolution U-09-007, March 16, 2010, Southern Delivery System Exchange Flow System, Amended by Resolution U-12-004, October 18, 2012
- Pueblo County Board of County Commissioners Resolution No. P&D 09-22 approving 1041 Permit No. 2008-02, April 21, 2009
- Fountain Creek Watershed, Flood Control and Greenway District (District) Resolution 2010-01, February 26, 2010
- Colorado Department of Public Health and Environment (CDPHE) 401 Certification No. 4224, April 23, 2010, which includes the requirement to provide copies of all other annual reports

Colorado Springs Utilities reviewed all seven of the programmatic permits/approvals that are in place to identify annual reporting requirements of each. The following two programmatic permits/approvals do not specifically include annual reporting requirements.

- Memorandum of Agreement with the State of Colorado, Department of Natural Resources on behalf of the Colorado Division of Wildlife regarding the Fish and Wildlife Mitigation Plan, May 18, 2010
- United States Army Corps of Engineers Clean Water Act Section 404 Individual Permit No. SPA-2005-00131-SCO, April 26, 2010

Colorado Springs Utilities prepared an Environmental Commitment Plan and developed a Phase I Environmental Management System (EMS) to track compliance with the commitments associated with all of the programmatic permits/approvals.

1.2 Southern Delivery System Project Overview

SDS is a proposed regional water delivery project that will serve the City of Colorado Springs (via Colorado Springs Utilities), City of Fountain, Security Water District, and Pueblo West Metropolitan District (collectively, the SDS Participants).

The first phase of SDS includes construction of the following facilities:

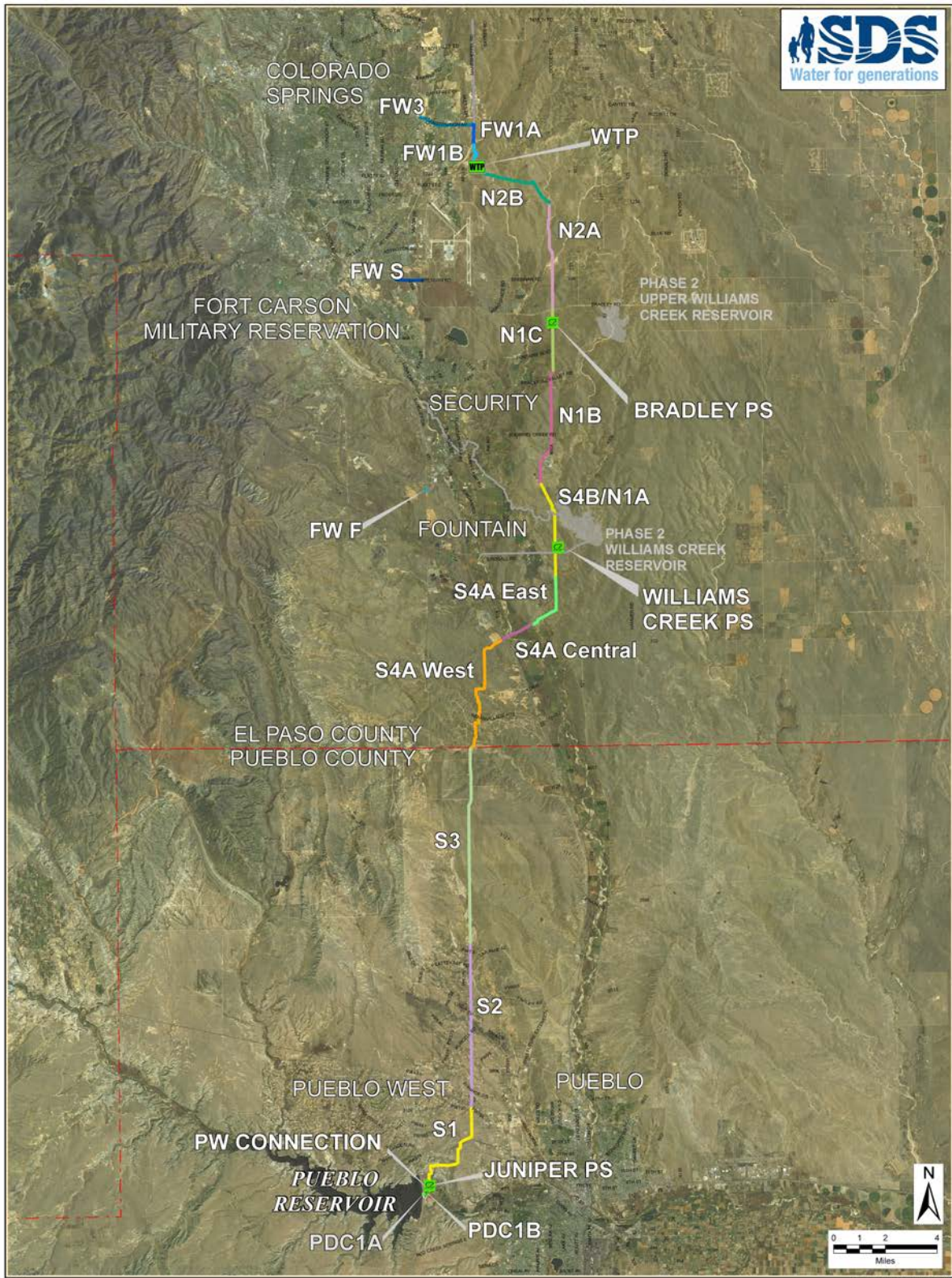
- A 53-mile raw water pipeline (66- and 72-inch diameter)
- Two 78-million-gallon-per-day (mgd) raw water pump stations and one 50-mgd raw water pump station (expandable in Phase 2)
- A water treatment plant (WTP) with a capacity of 50 mgd (expandable in Phase 2)
- Approximately seven miles of finished water pipelines up to 54 inches in diameter

Phase 2 of SDS includes the following:

- A 30,500 acre-feet terminal storage reservoir on upper Williams Creek, Upper Williams Creek Reservoir (UWCR)
- Expansion of the 50-mgd raw water pump station and WTP to 100-mgd capacity
- Expansion of the treated water delivery system
- A 28,000 acre-feet exchange storage reservoir on Williams Creek, Williams Creek Reservoir and exchange conveyance facilities to transfer exchange water to and from Fountain Creek

SDS has been broken down into various work packages. The work packages and the facilities identified above are shown on Figure 1.

FIGURE 1. SOUTHERN DELIVERY SYSTEM WORK PACKAGES AND FACILITIES



1.3 SDS Participant Information

Contact details for the SDS Participants and their authorized agent are as follows.

1.3.1 SDS Participants

Colorado Springs Utilities

(Authorized agent acting on behalf of Participants)

Contact: John Fredell, SDS Program Director
Plaza of the Rockies, Third Floor
121 S. Tejon, MC930
Colorado Springs, CO 80947
Phone: (719) 668-8037; Fax: (719) 668-8734
E-mail: jfredell@csu.org

Security Water District (Participant)

Contact: Roy Heald, District Manager
231 Security Blvd.
Security, CO 80911
Phone: (719) 392-3475; Fax: (719) 390-7252
E-mail: r.heald@securitywsd.com

City of Fountain (Participant)

Contact: Curtis Mitchell, Director of Utilities
116 S. Main St.
Fountain, CO 80817
Phone: (719) 322-2040; Fax: (719) 322-2011

E-mail: cmitchell@fountaincolorado.org Pueblo West Metropolitan District (Participant)

Contact: Scott Eilert, Utilities Director
109 E. Industrial Blvd.
Pueblo West, CO 80017
Phone: (719) 547-5044; Fax: (719) 547-2833
E-mail: seilert@pwmd-co.us

1.4 Southern Delivery System Project Regulatory Review Process

SDS has undergone, and continues to undergo, significant regulatory oversight at the federal, state, and local levels. At the federal level, Reclamation has performed extensive and detailed environmental studies as a part of the National Environmental Policy Act (NEPA) process, the culmination of which was a Final Environmental Impact Statement (FEIS) and issuance of a ROD.

The ROD for SDS was issued on March 20, 2009. It identified SDS, as shown on Figure 1, as the Preferred Alternative. SDS has been determined to cause “the least damage to the

biological and physical environment” (Reclamation 2009). The ROD included extensive commitments by the SDS Participants to significant, long-term mitigation measures.

Because SDS crosses wetlands and other waters of the United States, it requires a permit from the USACE under the dredge and fill material permit program established under Section 404 of the federal Clean Water Act. A Section 404 Permit was received for SDS on April 26, 2010. Colorado Springs Utilities has developed new wetlands as compensatory mitigation under the Section 404 Permit, and provided copies of the mitigation plans to the Fountain Creek Watershed, Flood Control, and Greenway District for review. The jurisdictional wetlands mitigation project was reviewed and approved by the USACE and Fountain Creek Watershed, Flood Control, and Greenway District prior to its construction in September 2011.

At the state level, the SDS Section 404 Permit received a Certification under Section 401 of the Clean Water Act from the Colorado Department of Public Health and Environment (CDPHE) on April 23, 2010. In February 2011, the State Water Quality Control Commission denied a challenge to the CDPHE (Water Quality Control Division) certification and upheld the certification. In April 2012, the Pueblo County District Court determined that the Commission action was not supported by the administrative record and remanded the certification. In July 2013, the Colorado Court of Appeals ruled that the state Water Quality Control Commission’s approval of the SDS certification was consistent with applicable laws and regulations and was supported by substantial evidence.

The Colorado Parks and Wildlife (CPW) also reviewed SDS, and the SDS Fish and Wildlife Mitigation Plan (FWMP) was prepared collaboratively with CPW staff and approved by both the Colorado Wildlife Commission (CWC) and the Colorado Water Conservation Board (CWCB) (Colorado Springs Utilities, City of Fountain, Security Water District, Pueblo West Metropolitan District, and Colorado Division of Wildlife 2010a). A Memorandum of Agreement implementing the FWMP was executed with the CPW on May 18, 2010.

At the county and city levels, SDS is subject to a variety of regulatory reviews and associated mitigation requirements, including the following:

- Pueblo County 1041 Permit (No. 2008-002),
- El Paso County Approval of Location and Site Development Plan processes, and
- Land use approval by the Fountain Creek Watershed, Flood Control, and Greenway District (District).

Collectively, these permit conditions include comprehensive and extensive mitigation requirements, which are detailed in the respective resolutions of approval.

2.0 Listing of Permit Compliance Reporting Requirements for SDS

A detailed and specific listing of the permit compliance reporting requirements for SDS for the seven programmatic permits and approvals received for SDS is provided in Attachment 1 - Annual Implementation Progress Matrix.

The Annual Implementation Progress Matrix contains:

- A listing of the environmental commitments for SDS with annual reporting requirements (columns 1 and 2).
- A description of SDS implementation progress towards compliance with each of the commitments (column 3).
- A field to show if additional documentation is included in an attachment to this report (column 4).

Supporting documentation listed in column 4 is provided in the following attachments:

- Attachment 2 - Monthly Average Flow Date from United States Geological Survey (USGS) Gauge Station
- Attachment 3 - Water Quality Monitoring Data
- Attachment 4 - Complaint Log
- Attachment 5 - Emergency Response Log
- Attachment 6 - Log of Work Occurring During Non-Typical Work Hours

3.0 Summary of SDS Activities Undertaken During the Reporting Period

A number of actions have been taken during this reporting period related to the construction of SDS. Some of the key activities during this reporting period include the following:

Programmatic

Jurisdictional Wetlands Mitigation

The initial construction of the jurisdictional wetlands mitigation, required to offset the permanent impact of 0.23 acres of jurisdictional wetlands by SDS, was completed in September 2011. Construction of the remainder of the wetlands and the surrounding riparian area was completed in April 2012. The second year of monitoring of the wetlands was completed and monitoring results were reported to the USACE. Progress was made towards the performance goals for the wetlands. The project is located at Clear Spring Ranch and consists of approximately 0.25 acres of wetland plants and another approximate 0.2 acres of surrounding riparian area.

Pueblo Dam Connection (PDC1A)

SDS construction activities were completed at the PDC1A in 2013. Activities at Pueblo Dam included maintenance of stormwater best management practices (BMPs), buttress door installation, actuator installation and testing, cone valve facility maintenance and roof replacement. The location of PDC1A is shown on Figure 1.

PDC1B

Construction of PDC1B began in August 2013. Activities at Pueblo Dam included installation and maintenance of stormwater BMPs, rock trenching, pipe installation and backfill. The location of PDC1B is shown on Figure 1.

S1 Pipeline

SDS construction activities on the S1 Pipeline continued in 2013. The construction activities at S1 included installation of BMPs, BMP maintenance, pipe backfill, grading, construction of combination air release and vacuum valves (CARVs) and blow-off structures, dewatering activities, pipe inspection and permanent fence installation. In addition, vegetation restoration activities began, including soil preparation, seeding, mulching, installation and testing of an irrigation system, and maintenance of the revegetation. The location of the S1 Pipeline is shown on Figure 1.

S2 Pipeline

SDS construction activities on the S2 Pipeline continued in 2013. The construction activities included maintenance of BMPs and installation of permanent fence. In addition, vegetation restoration continued, including soil preparation, seeding, mulching, and installation and

testing of an irrigation system, as well as maintenance of the revegetation. The location of the S2 Pipeline is shown on Figure 1.

S3 Pipeline

SDS construction activities on the S3 Pipeline continued in 2013. The construction activities included maintenance of BMPs. In addition, vegetation restoration continued, including soil preparation, seeding, mulching, and installation and testing of an irrigation system, as well as maintenance of the revegetation. Colorado Springs Utilities has been working with the landowner along S3 in an effort to address damage from summer 2013 rainstorms. The location of the S3 Pipeline is shown on Figure 1.

S4A East/West

SDS construction activities on the S4A East and S4A West Pipelines continued in 2013. The construction activities included installation and maintenance of BMPs, fence installation, clearing and grubbing, grading, sub-cut, trench excavation, pipe delivery, installation of pipe, pipe backfill, welding, dewatering and construction of the blow off assembly. In addition, vegetation restoration activities began, including soil preparation, seeding, mulching, installation and testing of an irrigation system, as well as maintenance of the revegetation. The location of the S4A East and West Pipelines are shown on Figure 1.

S4A Central

Design for the S4A Central Pipeline was completed in 2013 and construction began in October 2013. Construction activities include installation and maintenance of BMPs and construction of a launch shaft. The location of the S4A Central Pipeline is shown on Figure 1.

S4B/N1A/N1B

SDS construction activities on the S4B/N1A Pipeline continued in 2013. The construction activities included maintenance of BMPs. In addition, vegetation restoration continued, including soil preparation, seeding and mulching, as well as maintenance of the revegetation. The location of the S4B/N1A Pipeline is shown on Figure 1.

N1C/N2A

Construction for the N1C/N2A Pipeline began in March 2013. Construction activities included installation of BMPs, BMP maintenance, rock trenching, pipe delivery, pipe installation, welding, pipe backfill, grading, road rehabilitation, construction of combination air release and vacuum valves (CARVs) and blow-off structures, dewatering activities, and hydrostatic testing. In addition, vegetation restoration began, including soil preparation, seeding and mulching. The location of the N1C/N2A Pipeline is shown on Figure 1.

N2B

Design for the N2B Pipeline was completed in 2013. The location of the N2B Pipeline is shown on Figure 1.

FW3

Design for the FW3 Pipeline was completed in 2013. The location of the FW3 Pipeline is shown on Figure 1.

WTP

Construction of the SDS WTP began in March 2013. Activities included installation of BMPs, BMP maintenance, mass excavation, installation of fiber optics, temporary power and water, deep dynamic compaction, erection of two tower cranes, placement of rebar, pouring of concrete for structural walls for the process building and finished water pump station. The location of WTP is shown on Figure 1.

RWPS

Design for the three raw water pump stations (RWPS), Bradley Pump Station (BPS), Williams Creek Pump Station (WCPS) and Juniper Pump Station (JPS), was completed and construction began in 2013. Activities included installation of BMPs, BMP maintenance, installation of fiber optics and temporary power, mass excavation at JPS and WCPS, and construction of a stormwater pond at BPS. The locations of the 3 RWPS are shown on Figure 1.

Work was also undertaken on the power supplies for the RWPS. Construction for the BPS power supply began in October 2012 and continued into 2013. Construction activities included BMP installation and maintenance, installation of overhead power poles and lines, trench excavation, conduit installation, concrete backfill, trench backfill, trenchless crossings of Bradley Road and Marksheffel Road, and drainage crossings, vault installation, installation of electrical cables, grading, seeding, and mulching. Construction for the WCPS power supply occurred in 2013 and included BMP installation and maintenance, installation of overhead power poles and lines, trench excavation, conduit installation, concrete backfill, trench backfill, overhead crossings of Interstate 25 and Fountain Creek, vault installation, installation of electrical cables, grading, seeding, and mulching.

Other

In addition to the milestones listed above, Colorado Springs Utilities engaged in other initiatives of note during the reporting period, some of which will be on-going through the construction and operation of SDS:

- Continued identification of locations for wetlands construction to mitigate the 12.0 acres of non-jurisdictional wetlands that will be permanently impacted as a result of SDS.
- Fountain Creek realignment design has progressed with design completed and the construction contractor making progress on drop control structures and channel grading.
- Completed transition of Phase I EMS to Phase II EMS, with on-going effort to track compliance with programmatic permit/approval commitments and construction permit requirements.
- Inclusion of permitting and compliance requirements in design drawings and specifications, as required, for those work packages still in design.

- Colorado Springs Utilities, or its selected contractors, continue to obtain a number of construction-related permits. The acquisition of these permits as well as the compliance with these permits is being tracked through the Phase I EMS.
- Colorado Springs Utilities continues to work cooperatively with the City of Colorado Springs, El Paso County and other regional governmental entities as part of a Stormwater Task Force effort. Phase 1 of the Task Force activities, which concluded on January 10, 2013, included the identification by stakeholders of potential stormwater project needs within the area and existing stormwater control budgets. A Citizens Team and a Business Team provided additional information and advice to the Task Force on January 17, 2013. The El Paso County Commissioners and Colorado Springs City Council decided to proceed forward in the effort, including funding outside engineering studies of the identified projects. Significant progress was made upon the City Drainage Criteria Manual (DCM). Adjustments are in progress and once accepted by CDPHE, the final DCM will be placed before City Council. City Council and the County Commissioners passed a new resolution in support of a regional stormwater solution. Apart from specific permit requirements, the Phase II Task Force group advanced the dialogue upon stormwater governance and funding options. The CH2M Hill report on capital project needs was finalized for the City and El Paso County. A joint meeting between the Mayor and Task Force members, including City Council and El Paso County Commissioners, was held.

4.0 References

- Bureau of Reclamation. 2008. Southern Delivery System Final Environmental Impact Statement. December.
- Bureau of Reclamation. 2009. Record of Decision for the Southern Delivery System Project Final Environmental Impact Statement. Record of Decision Reference No. GP-2009-01. Colorado Department of Public Health and Environment. 2010. Section 401 Water Quality Certification; Colorado 401 Certification No.: 4224; U.S. COE 404 Permit No.: SPA-1995-00131-SCO; Description: Southern Delivery System; Location: El Paso and Pueblo Counties; Watercourse: Arkansas River, Fountain Creek and tributaries; Designation: Reviewable (MA01, MA02, MA03, FO02a, FO02b); Use Protected: (FO04, LA01a, LA01b). April 23
- Colorado Springs Utilities, City of Fountain, Security Water District, Pueblo West Metropolitan District, and Colorado Division of Wildlife. 2010a. Southern Delivery System Fish and Wildlife Mitigation Plan. March 11.
- El Paso County. 2010. Planning Commission Resolution U-09-002. For the Approval of Location of the Southern Delivery System Raw Water Pipeline within the A-5 (Agricultural), PUD (Planned Unit Development), RR - 2.5 (Rural Residential) and RR-5 (Residential Rural) Zone District. March 2.
- El Paso County. 2010. Planning Commission Resolution U-09-003. For the Approval of Location of the Southern Delivery System Finished Water Pipeline within the PUD (Planned Unit Development) Zone District. March 2.
- El Paso County. 2010. Planning Commission Resolution U-09-004. For the Approval of Location of the Southern Delivery System Bradley Pump Station within the RR-5 (Residential Rural) Zone District. March 16.
- El Paso County. 2010. Planning Commission Resolution U-09-005. For the Approval of Location of the Upper Williams Creek Reservoir within the RR-5 (Residential Rural) Zone District. March 16.
- El Paso County. 2010. Planning Commission Resolution U-09-007. For the Approval of Location of the Exchange Flow System within the RR-5 (Residential Rural) Zone District. March 16.
- Fountain Creek Watershed, Flood Control, and Greenway District. 2010. Board of Directors Resolution 2010-01 - Land Use. A Resolution recommending that the El Paso County Planning Commission approve applications by Colorado Springs Utilities and on behalf of the Project Participants for location approvals for the Southern Delivery System located within the Fountain Creek Watershed Management Area and approving those portions of the Southern Delivery System located within the Fountain Creek Corridor. February 26.

Pueblo County. 2009. 1041 Permit No. 2008-002. The Board of County Commissioners of Pueblo County Colorado; A Resolution Approving 1041 Permit No.2008-002 With Terms and Conditions for Construction and Use of a Municipal Water Project Known as the Southern Delivery System within Pueblo County, Colorado. April 21.

State of Colorado. 2010. Memorandum of Agreement by and between the State of Colorado, acting by and through the Department of Natural Resources, for the use and benefit of the Division of Wildlife and Colorado Springs Utilities, acting as the Project Manager for the Southern Delivery System. May 18.

U.S. Army Corps of Engineers. 2010. Department of the Army Permit; Permittee: Colorado Springs Utilities; Permit No. SPA-2005-00131-SCO; Issuing Office: Albuquerque District, U.S. Army Corps of Engineers. April 26.

Implementation Progress Matrix

The cells in the implementation column have been color coded to indicate which conditions have been completed, are no longer applicable or are not required until SDS is operational. Cells in gray have either been completed or are no longer applicable. Cells in blue are not required until SDS is in operation.

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Bureau of Reclamation - Record of Decision			
Environmental Commitments			
p. 11, ¶1	Such contracts will, at a minimum, include a requirement for the SDS Participants to submit to Reclamation an annual compliance report that certifies progress in successfully implementing these commitments in a timely manner as prescribed in this ROD and any contracts.	This Permit Compliance Annual Report is being prepared to demonstrate the progress in successfully implementing the commitments as prescribed in the ROD and the annual reporting requirements found in the other programmatic permits and approvals including: the Pueblo County 1041 Permit, the El Paso County Location Approvals, the CDPHE 401 Water Quality Certification and the Fountain Creek Watershed, Flood Control and Greenway District approval.	No
p. 11, ¶2	The Participants must obtain other significant Federal, State, and local permits, approvals, and agreements for the SDS Project.	The programmatic permits for the Southern Delivery System (SDS) are in place. The selected construction contractors are required through the contract documents to submit copies of all permits acquired. The SDS Participants are tracking the permit acquisition progress for each of the work packages as construction activities commence.	No
p. 11, ¶3	A detailed and specific list of environmental commitments and plan for their implementation will emerge from this coordination process. The timing of this process is important. Coordination of implementation of the environmental commitment plan will occur prior to executing any contracts for the SDS Project.	An Environmental Commitments Plan was completed and submitted to the Bureau of Reclamation on March 18, 2011.	No
Participants' Commitments: General Commitments			
p. 12, Bullet 1	Comply with all applicable permits, regulations, and laws including but not limited to CDPHE, USCOE 404, and local land use permits obtained for the SDS Project.	Compliance with permit and regulatory requirements is being tracked through the implementation of an Environmental Management System (EMS). In addition, the construction contract documents for each of the work packages include permit and regulatory compliance requirements. The EMS ensures that all applicable actions necessary for compliance are taken in a timely manner.	No
p. 12, Bullet 2	Construct and operate the SDS Project in a manner that does not differ substantially from that evaluated in this FEIS, except under emergency conditions, and unless additional and appropriate environmental investigations are completed by Reclamation and approval is then given to Participants to alter construction or operation of the SDS Project.	The SDS Participants intend to construct and operate the preferred alternative that was identified in the FEIS in a manner that does not differ substantially from that evaluated in the FEIS.	No
p. 12, Bullet 3	Develop and implement a head pressure monitoring program on the Joint Use Manifold to isolate effects attributable to the SDS Project and to mitigate those effects if they were to occur. This program will be developed over a 3-year period from the date that water is first delivered from the Joint Use Manifold for the SDS project. Development of the monitoring program will include involvement of all other Joint Use Manifold users.	This commitment is no longer applicable to SDS. The Joint Use Manifold will not be used with the construction of the Pueblo Dam Connection at the North Outlet Works.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 12, Bullet 4	Develop an integrated adaptive management program for the project that will be coordinated with the Participants' existing monitoring programs and the Environmental Management System discussed in Appendix F of the FEIS. The integrated adaptive management program will be finalized prior to executing any contracts for the SDS project.	An Integrated Adaptive Management Plan (IAMP) has been developed and was submitted to the Bureau of Reclamation on March 18, 2011. The requirements of the IAMP will be coordinated with the development of the Phase II EMS that Colorado Springs Utilities is developing. The requirements of the IAMP are not effective until SDS is operational.	No
Participants' Commitments: Surface Water			
p. 12, Bullet 1	Comply with the Upper Arkansas Voluntary Flow Management Program except during emergency conditions as defined in Section 2.b. of the Memorandum Of Understanding for Settlement of Case No. 04CW129, Water Division 2 (Chaffee County Recreation In-Channel Diversion).	The SDS Participants will comply with the Upper Arkansas Voluntary Flow Management Program.	No
p. 13, Bullet 2	Comply with the Pueblo Flow Management Program pursuant to existing intergovernmental agreements. If Reclamation and the Participants receive credible information that project operations are impairing physical diversion of a senior water right, contrary to Colorado water law, the Participants will immediately initiate discussions among the parties, including the party alleging the impairment of Reclamation, to develop a solution and remedy the impairment in compliance with Colorado water law.	The SDS Participants will comply with the Pueblo Flow Management Program.	No
p. 13, Bullet 3	Participants will consult with Reclamation each year on the average annual flow in Fountain Creek. If the average annual stream flow of Fountain Creek as measured at Pueblo (USGS gauge station number 07106500) exceeds the scope and range of the flow estimated and analyzed in the Final Environmental Impact Statement (see Table 33 of the FEIS), then Participants will coordinate with Reclamation, within their adaptive management plan, to evaluate the cause(s) for the change in flows and determine whether appropriate response actions, such as monitoring and/or mitigation measures, are warranted. Each year, Participants will report to Reclamation the average annual flow in Fountain Creek at Pueblo together with other relevant data.	The average annual flow during this reporting period in Fountain Creek as measured at USGS gauge station number 07106500 was approximately 150.3 cubic feet per second (cfs). Table 33 of the FEIS reported the average annual simulated streamflow at this location under existing conditions as 188 cfs and under the preferred alternative (Alt 2) as 253 cfs. As the Southern Delivery System was under construction during this reporting period, no flows have been introduced to Fountain Creek as a result of this project. See Attachment 2 for the monthly average flow data from USGS Gauge Station Number 07106500.	Attachment 2 - Monthly Average Flow Data from USGS Gauge Station Number 07106500
p. 13, ¶1	Surface water mitigation measures will resolve adverse effects to physical diversions of senior water rights.	This requirement is a summary statement of the specific surface water mitigation measures described in the three bullets listed above. The SDS Participants are implementing the surface water mitigation measures per the Upper Arkansas Voluntary Flow Management Program and the Pueblo Flow Management Program.	No
Participants' Commitments: Water Quality			
p. 13, Bullet 1	Include water quality monitoring and adaptive management within the integrated adaptive management program (see Participants' General Commitments).	The Monitoring Plan has been completed and was submitted to the Bureau of Reclamation on March 18, 2011.	No
p. 13, Bullet 2	Begin implementing water quality monitoring when construction of the project begins. This will allow about three years of baseline data to be collected before project operations begin.	A Joint Funding Agreement has been executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011.	Attachment 3 - Water Quality Monitoring Data

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Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 13, Bullet 3	Submit water quality monitoring data, including trend analyses, for the preceding calendar year to Reclamation by January 31st of the subsequent year.	A Joint Funding Agreement has been executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011. See Attachment 3 for the water quality monitoring data. USGS reports data on a water year basis (October-September). The annual report will present data based on that reporting period. Trend analysis is not include in this year's report because the approved IAMP requires trend analysis after 5 years of data is available. Data has been collected for 3 years.	Attachment 3 - Water Quality Monitoring Data
p. 13, Bullet 4	If the Colorado Department of Public Health and Environment (CDPHE) determines that operation of the SDS Project is causing significant adverse water quality effects, the Participants will coordinate with Reclamation, CDPHE, and other interested parties to evaluate and select measures to mitigate adverse effects.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No
p. 13, Bullet 5	In the event that operation of the SDS Project causes, or threatens to cause, stream flows in the Arkansas River or other waterways to diminish to low levels that will contribute significantly to elevated concentrations/densities of dissolved selenium, <i>E. coli</i> , or sulfate, the Participants will coordinate with Reclamation, CDPHE, CDOW, and other interested parties to evaluate and select measures to mitigate adverse effects.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No
p. 13, ¶1	Development and implementation of a water quality monitoring and adaptive management plan will provide a means of detecting changes in water quality, judging whether they are likely caused by operation of the SDS Project, and addressing actual effects in a systematic manner. Additionally, implementation of the geomorphology mitigation measures (below) will reduce suspended sediment and total recoverable iron concentrations in Fountain Creek and the lower Arkansas River.	This requirement is a summary statement of the specific water quality commitments described in the five bullets listed above. The Monitoring Plan, Geomorphic Mitigation Plan and IAMP have been completed. These plans were submitted to the Bureau of Reclamation in March 2011. The plans will be implemented during the construction and operation of the SDS in accordance with this commitment.	No

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Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Participants' Commitments: Geomorphology			
p. 14, Bullet 1	<p>Prepare a geomorphic mitigation plan and secure Reclamation approval prior to executing any contracts for the SDS Project. This plan could include, but is not limited to:</p> <ul style="list-style-type: none"> • Evaluate and consider strategies to remove sediments that reduce the effectiveness of Corps levees located near Fountain Creek at its confluence with the Arkansas River • Evaluate and consider strategies to increase the sinuosity of Fountain Creek at appropriate locations in order to reduce undesirable erosion and sedimentation • Evaluate and consider strategies at appropriate locations along Fountain Creek to reduce undesirable erosion and sedimentation • Select geomorphic mitigation measures for SDS Project effects that are, to the extent practicable, consistent with priority projects identified in the Corps of Engineers' Fountain Creek Watershed Study and the Fountain Creek Corridor Master Plan. Locations where geomorphic mitigation projects could occur include, but are not limited to: <ul style="list-style-type: none"> • Fountain Creek at the Clear Spring Ranch site, directly upstream and downstream of the confluence of Little Fountain Creek and Fountain Creek (approximately 4 miles) • Fountain Creek from upstream of Fountain Boulevard to upstream of Colorado 85/87 at the Sand Creek confluence (approximately 3 miles) 	<p>A Geomorphic Mitigation Plan was completed and submitted to the Bureau of Reclamation on March 15, 2011. The Bureau of Reclamation approved this plan on April 26, 2011. Under the Geomorphic Mitigation Plan, data collection is to begin on or about October 15 following the start of project construction, or October 15 three years prior to the SDS commencing operations, whichever is later.</p> <p>The Fountain Creek realignment design has progressed, with design completed and the construction contractor making progress on drop control structures and channel grading. Stakeholder communications regarding this mitigation effort continue and key stakeholders, including property owners, have been briefed on the status of this project. The NW 27 permit was obtained from the USACE and construction is expected to be completed during the 2nd quarter of 2014.</p>	No
p. 14, Bullet 2	Complete pre-project geomorphic mitigation, including channel stabilization projects and non-structural options such as conservation easements, before the project is operational. Channel stabilization could include, but is not limited to, increasing stream sinuosity, flattening of steep side slopes, installation of grade control structures and use of buried riprap, erosion blankets, and/or vegetative cover for channel stabilization in areas of high and/or erosive velocities.	The SDS Participants have coordinated extensively with Pueblo County regarding the scope of a Fountain Creek dredging project. On August 30, 2010, an agreement was reached by which the SDS Participants provided approximately \$2.2 million in funding to Pueblo County for the Fountain Creek dredging project. The SDS Participants made this payment to Pueblo County on September 27, 2010.	No
p. 14, Bullet 3	Design and construct an energy dissipation structure that will protect against erosion at the outlet of the pipeline from Williams Creek Reservoir to Fountain Creek.	The design of the Williams Creek Reservoir is anticipated to begin during the period from 2020 to 2025. An energy dissipation structure at the pipe outlet will be incorporated into the design.	No
p. 14, Bullet 4	Evaluate and implement appropriate future geomorphic stabilization projects, if such future projects are determined to be necessary after the project is operational.	This requirement is not applicable yet as SDS is under construction and not operational at this time. It is yet to be determined if project operations will necessitate such projects.	No
p. 14, ¶1	When implemented, these recommendations will mitigate potential adverse effects on geomorphology by avoiding or minimizing effects of return flow discharges through an energy dissipation structure, compensating for anticipated effects, and responding to effects identified after project operations begin.	This requirement is a summary statement of the specific water quality commitments described in the five bullets listed above. A Geomorphic Mitigation Plan has been completed and will be implemented during the construction and operation of SDS in accordance with this commitment.	No

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Participants' Commitments: Aquatic Life			
p. 15, Bullet 1	Submit a proposed wildlife mitigation plan to the Colorado Wildlife Commission (Wildlife Commission) pursuant to C.R.S. 37-60-122.2. This proposal will include actions the Participants propose to mitigate impacts that the SDS Project may have on fish and wildlife. As required by that statute, the Wildlife Commission will evaluate the probable impact of the project on fish and wildlife and, if the Participants and Wildlife Commission cannot agree upon reasonable mitigation, the Wildlife Commission will make recommendations to the Colorado Water Conservation Board (CWCB) regarding what it believes to be reasonable mitigation actions. If the Participants and the Wildlife Commission agree on a mitigation plan, the Wildlife Commission will submit that agreement to the CWCB, which must adopt the agreement as the state's official position. If the Participants and the Wildlife Commission do not reach agreement on a mitigation plan, the CWCB will consider the plan submitted by the Participants and the recommendations of the Wildlife Commission, which then becomes the State's official position, or submit its own recommendations to the Governor, who will ultimately determine the state's official position on the proposed wildlife mitigation plan.	A Wildlife Mitigation Plan was developed in cooperation with the Colorado Division of Wildlife, which was then submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. The Colorado Wildlife Commission approved the Wildlife Mitigation Plan and the Colorado Water Conservation Board adopted it. A Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife, was executed May 18, 2010.	No
p. 15, Bullet 2	In the event that the operation of the SDS Project causes, or threatens to cause, stream flows in Fountain Creek or the Arkansas River to diminish to low levels that could contribute significantly to impairment of aquatic life, coordinate with Reclamation, CDPHE, CDOW and other interested parties to evaluate and select measures to mitigate adverse effects.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No
p. 15, Bullet 3	Evaluate and consider participation in CDOW fish hatchery programs.	The Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife (CDOW), includes a commitment that Colorado Springs Utilities will either construct 7.5 acres of fish rearing ponds for warm water species or provide \$7.5M in funding to CDOW for this construction. The MOA stipulates that construction of four (4) acres of these ponds shall be completed no later than three years prior to the date Upper Williams Creek Reservoir is placed in service. The construction of the remaining 3.5 acres of rearing ponds shall be completed no later than five (5) years after Upper Williams Creek Reservoir is in service.	No

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Reporting Requirements		CY2013 Annual Report Information	
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p. 15, Bullet 4	Monitor the effects of the operation of the SDS Project upon aquatic life in Fountain Creek and the Arkansas River between Pueblo Dam and the Las Animas Gage. Aquatic sampling will be conducted once per year at up to 10 locations. Monitoring methods and locations will be identified in the proposed wildlife mitigation plan that will be submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. Use the information from this monitoring in the adaptive management program for the SDS Project.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No
p. 15, ¶1	When implemented, these recommendations will mitigate potential adverse effects on aquatic life by avoiding or minimizing effects, compensating for anticipated effects, and detecting and responding to effects identified after project operations begin.	This requirement is a summary statement of the specific aquatic life commitments described in the four bullets listed above. The SDS Participants will implement the Fish & Wildlife Mitigation Plan as well as the agreements from the MOA with the Colorado Department of Natural Resources during the construction and operation of SDS.	No
Participants' Commitments: Wetlands, Waters, and Riparian Vegetation			
p. 15, Bullet 1	Design final alignments and facilities to avoid and minimize wetland impacts.	The pipeline alignments and facilities are designed in accordance with the information that was submitted and approved by the USACE with the individual 404 permit application for SDS. The requirements of the 404 permit are included in the construction contract document for each work package, as applicable.	No
p. 15, Bullet 2	Assess alternative construction methods for pipeline crossings (i.e., directional drilling v. open cut) to minimize wetland and stream impacts.	Alternative construction methods for pipeline crossings were considered during the development of the individual 404 permit application for the SDS. The final design of pipeline crossings is in accordance with the information provided in the individual 404 permit where impacts to jurisdictional waters were described.	No
p. 16, Bullet 3	Mitigate impacts to jurisdictional and non-jurisdictional wetlands in areas of temporary, short-term effects such as pipeline crossings, on-site at the place of disturbance with similar wetlands and soils to replace existing wetland functions and values.	The construction contract documents for each work package, as applicable, include the 404 permit Nationwide Permit (NWP) 12 requirements for all temporary, short-term effects to jurisdictional and non-jurisdictional wetlands. The impacts will be mitigated on-site through the implementation of the NWP 12 requirements.	No

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p. 16, Bullet 4	Mitigate all unavoidable, permanent impacts to jurisdictional and non-jurisdictional wetlands with compensatory wetlands that replace existing wetland functions and values. Compensatory wetland mitigation will likely occur at the Clear Spring Ranch site on Fountain Creek downstream of the City of Fountain.	Colorado Springs Utilities procured engineering design services for the compensatory wetland mitigation project at the Clear Spring Ranch site. The SDS Participants presented the final design for Reclamation and USACE review and approval in April 2011. The jurisdictional wetlands mitigation project was constructed in September 2011 and completed in April 2012. Monitoring of this wetland continued in 2013 and progress was made towards the performance goals. Approximately 5 acres of non-jurisdictional wetlands mitigation will be included in the Fountain Creek realignment project.	No
p. 16, Bullet 5	Control Tamarisk that may establish around newly constructed reservoirs.	This requirement is not applicable yet as no reservoir construction has commenced for SDS during this reporting period.	No
p. 16, Bullet 6	Evaluate and consider a strategy to increase the sinuosity of Fountain Creek at appropriate locations in order to create wetlands areas.	The SDS Participants considered options to increase the sinuosity of Fountain Creek at the Clear Spring Ranch site in order to create wetland areas with the design of the compensatory wetland mitigation project. In addition, the Fountain Creek realignment design has progressed with design completed and the construction contractor making progress on drop control structures and channel grading. The realignment design includes area for wetlands.	No
p. 16, Bullet 7	Evaluate and consider the construction and maintenance of new areas of wetlands along Fountain Creek in order to participate in wetlands banking programs. Evaluate and consider cooperation with Colorado agencies to expand such a wetlands creation process.	The USACE verbally denied Colorado Springs Utilities the opportunity of a wetland banking partnership with Colorado agencies, stating that Colorado Springs Utilities cannot share the umbrella of a wetland banking tool. Therefore, there is no incentive for Colorado Springs Utilities and another agency to work together under the intent of this condition.	No
p. 16, ¶1	Mitigation plans for jurisdictional and non-jurisdictional wetlands will be submitted for approval by the Corps of Engineers and Reclamation, respectively. All design and planning measures for wetlands, waters, and riparian vegetation will be completed before any contracts for the SDS Project.	Mitigation plans for jurisdictional and non-jurisdictional wetlands were submitted for approval by the USACE and reclamation prior to construction of PDC1A. Colorado Springs Utilities procured engineering design services for the compensatory wetland mitigation project at the Clear Spring Ranch site. The SDS Participants presented the final design for Reclamation and USACE review and approval in April 2011. The jurisdictional wetlands mitigation project was constructed in September 2011.	No

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p. 16, ¶2	By reviewing the location of wetlands during final design, effects on wetlands can be avoided and minimized. Specifically, the pipeline construction corridors through wetlands will be reduced to the minimum width practicable. Similarly, construction methods that do not involve trenching through a wetland will avoid impacts. Wetlands mitigated in place and off-site will replace affected wetlands on a 1:1 ratio and will provide similar functions and values. The 404 permitting process is ongoing and the final off-site mitigation ration for jurisdictional wetlands for the 404 permit has not yet been determined.	This requirement is a summary statement of the specific wetlands, waters and riparian vegetation commitments described in the seven bullets listed above. The pipeline alignments and facilities have been designed in accordance with the information that was submitted and approved by the USACE with the individual 404 permit application for SDS, as applicable. Wetland impacts were minimized. The requirements of the 404 permit are included into the construction contract document for each work package, as applicable.	No
Participants' Commitments: Vegetation			
p. 16, Bullet 1	Prior to final design, review locations of Needle and Thread grass -Blue Grama Grasslands, high quality shrublands and woodlands, and other areas with desirable vegetation to determine design changes within the current study area that will avoid and minimize impacts.	Pre-construction wildlife and vegetation surveys are being completed as part of the final design for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 16, Bullet 2	Replace mature trees (diameter at breast height of 12 inches or greater) within construction areas at a 1:1 ratio with the same or similar native species with available nursery container stock or pole plantings as soon as practicable after construction activities have ended.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 16, Bullet 3	For 1 year after construction, monitor the construction areas to determine if appropriate native vegetation is establishing. If native vegetation is not establishing, the site will be reseeded with appropriate species.	Revegetation efforts have begun or been completed on the PDC1A, S1, S2, S3, S4A West, S4A East, S4B/N1A, N1B, N1C, N2A, FW1A, and FW1B pipeline work packages. All of these work packages are being monitored following established protocols.	No
p. 16, Bullet 4	In the appropriate season prior to construction, survey potential construction areas with known populations of dwarf milkweed and other plant species of concern, to locate areas where impacts can be avoided and minimized to the extent practicable with design changes within the current study area. After identifying populations to avoid, mark populations within or nearby the construction easement as environmentally sensitive so that workers avoid inadvertent impacts.	Pre-construction wildlife and vegetation surveys are being completed for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 17, Bullet 5	During construction, wash major construction equipment before it enters the site so that noxious weeds are not spread from other construction sites.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 17, Bullet 6	Use certified weed-free mulch after seeding construction areas.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 17, Bullet 7	Reseed construction areas with comparable native vegetation as soon as practicable after disturbance, using seed that does not contain any noxious weed seed.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

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p. 17, Bullet 8	Monitor construction areas for 3 years after construction to assess if noxious weeds have invaded the site. If noxious weeds are present, weed control plans will be formulated and completed.	As part of the pre-construction vegetation surveys that are completed for each work package, a noxious weed survey is conducted. The noxious weed survey includes recommended weed control methods. This information is being incorporated into the contract documents. Monitoring of construction areas will continue for three years after construction to ensure that any necessary weed control is performed. Completed work packages are being monitored for noxious weeds, control plans are in place and observed noxious weeds have been treated consistent with these plans..	No
p. 17, Bullet 9	Because the project may indirectly increase the spread of tamarisk, the Participants will work with the Colorado Department of Agriculture's Colorado Noxious Weed Management Team on tamarisk issues in the Arkansas Valley including submitting a request for partnership evaluation.	The Fish and Wildlife Mitigation Plan has identified the inlet area at the Pueblo Reservoir as an area of specific interest and identified the Colorado Department of Agriculture's Colorado Noxious Weed Management as a consulting agency.	No
p. 17, ¶1	Impacts to plant species and communities of concern and other sensitive vegetation areas can be avoided and minimized during final design and implementation. Because mitigation measures such as transplanting of individuals are often unsuccessful, avoidance and minimization will ensure survival, especially of plant species of concern. Seeding disturbed areas, replacing mature trees, and controlling noxious weeds will replace existing vegetation types and structural diversity and will ensure that high quality habitat remained.	As described in the previous nine responses, numerous measures are being implemented to minimize potential impacts to plant species and communities of concern and other sensitive vegetation areas. For this item and the previous nine, no concerns have been identified to date.	No
Participants' Commitments: Wildlife			
p. 17, Bullet 1	Submit a proposed wildlife mitigation plan to Colorado Wildlife Commission pursuant to C.R.S. 37-60-1212.2 as described above.	A Wildlife Mitigation Plan was developed in cooperation with the Colorado Division of Wildlife , which was then submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. The Colorado Wildlife Commission approved the Wildlife Mitigation Plan and the Colorado Water Conservation Board adopted it. A Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife was executed May 18, 2010.	No
p. 17, Bullet 2	Promptly revegetate all disturbed areas with native species that provide species diversity and food and cover for large game and wildlife habitat.	This commitment is being incorporated into the revegetation contract documents for each of the work packages, as applicable.	No
p. 17, Bullet 3	Conduct clearance surveys in suitable habitat for state-listed species following standard protocols, as available, prior to construction (e.g., CDOW undated).	The SDS Participants are completing pre-construction wildlife and vegetation surveys as part of the final design for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No

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Reporting Requirements		CY2013 Annual Report Information	
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p. 17, Bullet 4	Conduct raptor nest surveys prior to construction and impose seasonal restrictions to surface activity within recommended buffers (generally 1/4 to 1/2 mile) around active raptor nest sites and heron rookeries during construction.	Pre-construction raptor nest and heron rookery surveys are being completed for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 17, Bullet 5	Consult with CDOW and U.S. Fish and Wildlife Services' Migratory Permit Bird Office to develop mitigation for unavoidable loss of raptor nests. Options may include constructing artificial nests in suitable habitat or enhancing prey habitat.	The following protocol identified in the Fish and Wildlife Plan will be used during construction of SDS: If a nest is detected during the pre-construction raptor nest survey, Colorado Springs Utilities will coordinate with Colorado Division of Wildlife and USFWS to develop mitigation for unavoidable raptor nest loss. A nest has been identified in one of the pipeline alignments and CDOW was consulted as a lead agency. A raptor nest mitigation plan was submitted and approved and Colorado Springs Utilities mitigated the nest. A nest was installed at Clear Spring Ranch.	No
p. 17, Bullet 6	Develop construction schedules to avoid impacts to nesting migratory birds. If construction is scheduled to occur during the nesting season (April 1 through August 31) in areas where migratory birds may nest, a qualified biologist will conduct a nesting bird survey prior to the commencement of construction activities to determine the presence of migratory birds and their nests. If an active nest is detected, a buffer zone between the nest and the limit of construction will be flagged and avoided during the nesting season, or construction will be scheduled outside of the nesting season.	The following protocol will be used during construction of SDS: If an active nest is detected during the pre-construction raptor nest survey, Colorado Springs Utilities will coordinate with Colorado Division of Wildlife and the construction contractor to ensure a buffer zone between the nest and the limit of construction is identified and the area avoided during the nesting season, or construction will be scheduled outside of the nesting season.	No
p. 18, Bullet 7	Conduct pre-construction surveys for swift fox den sites within appropriate habitat along the pipeline corridor and proposed reservoir sites. Avoid surface disturbance within 1/4 mile of active den sites while young are den-dependent (March 15 -June 15).	Pre-construction wildlife and vegetation surveys are being completed as part of the final design for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 18, Bullet 8	Restrict pesticides for rodent control within swift fox overall range.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 18, Bullet 9	Mitigate impacts to state-listed amphibian species by avoiding, minimizing, and mitigating wetland effects as described above.	The 404 Individual Permit, the 404 Compensatory Wetland Mitigation Plan and the Fish and Wildlife Mitigation Plan will be followed.	No
p. 18, Bullet 10	Impose seasonal restrictions on construction to avoid sensitive large game winter habitat (from first large snowfall to summer green-up).	Pre-construction wildlife and vegetation surveys are being completed as part of the final design for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 18, Bullet 11	Install wildlife crossovers (trench plugs) during pipeline construction with ramps on each side at a maximum of 1/4 mile intervals and at well-defined game trails.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

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p. 18, Bullet 12	Create additional nesting habitat or nest boxes in nearby trees for the Lewis' woodpecker when nest trees are destroyed.	Pre-construction wildlife and vegetation surveys are being completed as part of the final design for each of the work packages. No Lewis' woodpecker nests have been identified to date.	No
p. 18, ¶1	By replacing vegetation including structural diversity, the long-term effects on wildlife will be reduced by allowing wildlife to return to disturbed areas. Pre-construction surveys will identify wildlife use at the time of construction and allow for planning for avoidance and minimization. Imposing seasonal and/or daily restrictions on construction will enable wildlife to use important habitat, especially during breeding and other critical periods. Wildlife crossovers installed within the pipeline trench will facilitate wildlife passage and provide escape routes for wildlife trapped within the trench, thereby reducing mortality.	As described in the previous twelve responses, numerous measures are being implemented to minimize potential impacts to wildlife. These measures have been incorporated in the construction contract documents. Measures have been implemented and some measures, such as ramps in the trenches have been placed at shorter intervals than required.	No
Participants' Commitments: Recreation			
p. 18, Bullet 1	During short-term construction activities that require trail closures of developed recreational trails, designate a safe and reasonable detour around the project site. Post signs directing trail users.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 18, Bullet 2	Work with the local municipality to establish alternate trails with consistent width, surfacing, and signage.	Colorado Springs Utilities is coordinating with affected local municipalities as needed to identify temporary alternate trails to be used or constructed during construction.	No
p. 18, Bullet 3	Within developed parks with temporary effects, commit to full reclamation of the impact area by replacing turf, irrigation systems, and other facilities that could be affected. Provide follow-up monitoring and maintenance for 1 year to ensure that reclamation efforts are successful.	There were no temporary effects to developed parks as a result of SDS construction this year. This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 18, Bullet 4	In developed park areas with permanent, above ground SDS Project facilities, reconfigure park facilities that will be directly affected and visually screen SDS Project facilities from other park uses with vegetation, berming or attractive fencing.	Construction has begun on the Juniper Pump Station. Colorado State Parks was a reviewing agency on the design. Fencing has been erected to screen construction operations.	No
p. 18, Bullet 5	Seek opportunities to enhance angling, boating, or other recreation opportunities at Lake Henry, Lake Meredith, and Holbrook Reservoir so that they are less vulnerable to water level fluctuations. Work with the CDOW to identify priority projects and include them in a proposed wildlife mitigation plan to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2 as above.	A Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife, which adopted the Fish and Wildlife Mitigation Plan, was executed May 18, 2010.	No
p. 19, ¶1	The proposed mitigation measures will reduce the impact of project facility construction on trail users. They will also reduce the short- and long-term impacts of project facilities on park infrastructure, vegetation, aesthetics, and recreation experiences. Collaboration with the CDOW to enhance fishing and boating opportunities may result in such improvements to recreation at Lake Henry, Lake Meredith, and Holbrook Reservoir.	As described in the previous five responses, numerous measures are being implemented to minimize potential impacts to recreation opportunities. For this item and the previous five, no concerns have been identified to date.	No

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Participants' Commitments: Socioeconomics and Land Use			
p. 19, Bullet 1	Acquire properties and easements through voluntary, willing participant agreements to the maximum extent practicable.	Colorado Springs is coordinating with individual landowners to acquire properties and easements through voluntary negotiations to the maximum extent practicable.	No
p. 19, Bullet 2	Develop a construction management plan to outline best management practices to minimize impacts to surrounding properties and submit plan to Reclamation for approval prior to construction.	A Socioeconomic Construction Management Plan has been completed and was submitted to the Bureau of Reclamation on March 15, 2011. The Bureau of Reclamation approved this plan on April 26, 2011.	No
p. 19, ¶1	Adverse short-term effects on landowners with parcels that will contain SDS features will be offset through mutually agreed upon compensation. The land use mitigation measures will minimize disturbances to properties near the project during construction or minimize land use changes and conflicts.	A Socioeconomic Construction Management Plan has been completed and was submitted to the Bureau of Reclamation on March 15, 2011. The Bureau of Reclamation approved this plan on April 26, 2011. The plan provided for appropriate compensation and mitigation.	No
Participants' Commitments: Cultural Resources			
p. 19, Bullet 1	Comply with the requirements of the Programmatic Agreement between Reclamation, the ACHP, Colorado Springs, and the Colorado SHPO (Appendix I of the FEIS).	The requirements of the Programmatic Agreement are referenced or included in the construction contract documents for each work package.	No
p. 19, ¶1	Development of the project alternatives will result in impacts to non-renewable historic properties. As a result, it will be necessary to implement a mitigation plan in an effort to resolve any adverse effects. Mitigation may be accomplished through avoidance, implementation of protective measures, or data recovery. If avoidance and preservation are not possible, a data recovery plan may be used to collect and analyze significant information, thus preserving that information. Data collection as a mitigation measure should only be implemented when other means to protect or preserve historic properties have been exhausted or are not feasible. Within the data recovery plan, specific research problems concerning scientific, humanistic, and cultural concerns will be developed. Research also will focus on problems in prehistoric and historic archaeological methods and theory. Ultimately, the data collected likely will provide information regarding the cultures that have occupied the area in the past.	Colorado Springs Utilities prepared a Treatment Plan which addresses how mitigation will be determined for each eligible or potentially eligible cultural resource site. The Treatment Plan was executed in June 2011.	No
Participants' Commitments: Indian Trust Assets			
p. 19, ¶1	Continue consultation with Native American Tribes in accordance with the Programmatic Agreement. Under the Agreement, Reclamation and the SDS Participants will coordinate with the tribes to identify and mitigate impacts to any traditional cultural properties or resources.	The requirements of the Programmatic Agreement are referenced or included in the construction contract documents for each work package.	No
Participants' Commitments: Noise and Vibration			
p. 19, Bullet 1	Construction equipment used by contractors shall function as designed and shall conform to applicable noise emission standards.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 19, Bullet 2	Generally adhere to project work hour restrictions (7 a.m. to 7 p.m.) within 500 feet of residences, hospitals, schools, churches, and libraries. Work hours may need to be extended from time to time in order to expeditiously restore traffic flow or public access.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

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p. 20, Bullet 3	Restrict access to construction areas so that the public could not be in close proximity to loud equipment or blasting.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 4	House project operating equipment (e.g. pump stations) in structures designed to minimize radiated noise outside the structure, and will meet local noise ordinance requirements.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, ¶1	By following existing standards, restricting work hours and access to construction areas, and insulating new noise within structures, noise effects will be minimized by maintaining acceptable noise levels and limiting the number of people exposed to increased noise levels.	As described in the previous four responses, these commitments are being incorporated into the construction contract documents to minimize potential construction and operation impacts due to noise and vibration. SDS inspectors regularly visit all active sites.	No
Participants' Commitments: Visual Resources			
p. 20, Bullet 1	Vegetate earthen dam faces with native herbaceous plants to match the adjacent undisturbed prairie plant communities.	This requirement is not applicable yet as the design of the Upper Williams Creek and Williams Creek Reservoirs did not begin during this reporting period.	No
p. 20, Bullet 2	Revegetate and/or landscape with plants, all disturbances associated with the construction of all facilities.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 3	Restore as many existing grades as practicable following pipeline excavations.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 4	Enclose pump stations and well equipment in structures matching the architectural characteristics of the surrounding structures.	Colorado Springs Utilities has coordinated with the Bureau of Reclamation and Pueblo County representatives regarding the proposed architecture for the Juniper Pump Station located at Pueblo Reservoir. On September 20, 2012 and November 1, 2012, Colorado Springs Utilities met with representatives of Pueblo County, Colorado State Parks and the Bureau of Reclamation to present the final architectural and landscape plans for the Juniper Pump Station. On November 8, 2012, Colorado Springs Utilities met with Pueblo County to present the final architectural design of the Juniper Pump Station. On November 13, 2012 the Pueblo County Board of County Commissioners(BOCC) passed and adopted Pueblo County Resolution No. 12-270 appointing Pueblo County's Director of Planning and Development, Joan Armstrong, to be Pueblo County's representative to participate in the final selection of the architecture and landscaping for the Juniper Pump Station along with representatives of Colorado State Parks and the Bureau of Reclamation. The resolution also approved the final stage of the design consisting principally of the exterior treatments and architecture of the proposed pump station, including the colors and building materials to be used, and the landscaping immediately around the proposed structure.	No

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Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 20, Bullet 5	Construct powerlines with non-specular (not shiny) wire, non-reflective and opaque insulators, and light-colored, non-reflective finished poles.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 6	Reclaim construction access roads and staging areas by restoring existing grade and revegetating the area of disturbance.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 7	Apply water with standard construction practices to control airborne fugitive dust within construction areas.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 8	Install baffles on construction lighting fixtures to direct light onto the construction activity only in locations where safety is a concern, scenic quality will be affected, or near occupied homes and businesses.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, ¶1	Restoring existing grades, revegetating disturbed areas, using architectural styles consistent with the area, and designing powerlines to have low visibility will minimize the visual contrast between the surrounding areas and will reduce the visibility of disturbance or new structures from observation points. Reducing airborne fugitive dust and construction lighting will reduce the area affected during construction.	As described in the previous eight responses, these requirements are being incorporated into the designs and construction contract documents for each work package to minimize potential impacts to visual resources. For this item and the previous eight, no concerns have been identified to date.	No
Participants' Commitments: Traffic			
p. 20, Bullet 1	Use trenchless construction to the extent practicable when construction features cross railroad lines, state highways, county roadways in densely populated areas, and major city roadways in densely populated areas.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 2	Prepare traffic control plans for approval by state and local traffic authorities and followed by contractors during construction.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 3	Construct traffic signage, signals, acceleration, and deceleration lanes as directed by state and local traffic authorities for access to reservoir sites, treatment plants, and pump stations.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 4	Construct improvements to existing access roads or construction of temporary alternate access roads to reservoir sites, treatment plants, and pump stations as directed by state and local traffic officials.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 5	Modify or reconstruct bridges when the load limits are not adequate for construction of the SDS Project and other access routes are not reasonable.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, ¶1	When implemented, these recommendations will mitigate potential adverse effects on traffic by minimizing delays and promoting traffic safety.	As described in the previous five responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential construction and operations impacts to traffic flow patterns. For this item and the previous five, no concerns have been identified to date.	No
Participants' Commitments: Soils			
p. 21, Bullet 1	Minimize the area of disturbance to defined construction limits and limit the time bare soil is exposed.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 2	Contain soils within the construction area through temporary sediment control measures such as silt fences, sediment logs, trenches, and sediment traps.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

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Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 21, Bullet 3	Remove woody vegetation prior to topsoil salvage and, to the extent possible, salvage topsoil within tree stump roots.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 4	Use topsoil salvage methods including windrowing topsoil at the limits of construction and pulling the soil back on slopes during reclamation.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 5	Apply topsoil, soil amendments, fertilizers, and mulches as appropriate, and seed selectively during favorable plant establishment climate conditions to match site conditions and revegetation goals.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 6	To the extent practicable, avoid irrigated lands during final design.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 7	To the extent practicable, allow continued use of lands crossed by project facilities after construction.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 8	Where the proposed pipeline crosses prime farmland soils, develop a soils handling plan that separates the top 6 inches and the soils between 6 and 36 inches for subsequent reclamation.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, ¶1	Proposed mitigation measures will reduce short-term and long-term losses of soil and soil productivity. Redistribution of topsoil to soil-deficient areas will increase soil productivity in those areas. Topsoil, soil amendments, fertilizers, and mulches will increase productivity and help establish cultivated vegetation and crops. A soils handling plan for prime farmland soils will ensure high quality topsoil is preserved and distributed properly.	As described in the previous eight responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential soil erosion and loss during construction. For this item and the previous eight, no concerns have been identified to date.	No
Participants' Commitments: Air Quality			
p. 21, Bullet 1	Develop and implement standard control practices, such as watering, to minimize particulate and dust emissions from construction work sites as specified in the fugitive dust control plan.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 2	Ensure construction equipment (especially diesel equipment) meets opacity standards for operating emissions.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 3	Promptly revegetate disturbed areas.	The SDS Participants are incorporating this commitment into the construction contract documents for each of the work packages, as applicable. For Pueblo County work packages, the revegetation contractor coordinates with the construction contractor to begin revegetation efforts following substantial completion of each construction project. For El Paso County Work Packages, each construction contractor has a revegetation sub-contractor performing the work. Revegetation efforts have begun or been completed on the PDC1A, S1, S2, S3, S4A West, S4A East, S4B/N1A, N1B, N1C, N2A, FW1A, and FW1B work packages.	No
p. 21, ¶1	The proposed mitigation measures will reduce both short-term and long-term effects on air quality by following standards on construction equipment and minimizing fugitive dust.	As described in the previous three responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential air quality impacts during construction. For this item and the previous three, no concerns have been identified to date.	No

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Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Participants' Commitments: Hazardous Materials			
p. 22, Bullet 1	Remove solid waste and properly dispose of at a permitted solid waste disposal facility prior to construction of project facilities at the site.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable. Contractors are meeting all solid waste and disposal requirements.	No
p. 22, Bullet 2	Inspect the ground surface beneath the solid waste for evidence of hazardous material or petroleum product spills such as soil staining and unusual odors or colors.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 22, Bullet 3	If evidence of a spill or spills is noted, delineate the extent of the spill by laboratory analysis and excavate any contaminated soils and properly dispose of at a permitted waste disposal facility.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 22, Bullet 4	If soil and/or ground water contamination is encountered during construction of project facilities, implement mitigation procedures to minimize the risk to construction workers and to the future operation of the project.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 22, ¶1	The proposed mitigation measures will identify areas of potential contamination from hazardous materials and will remediate the soil and ground water if any contamination was identified.	As described in the previous four responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential for a hazardous materials spill. For this item and the previous four, no concerns have been identified to	No
El Paso County - Location Approvals			
Final Resolution, Annual Report Requirement	This approval of location shall be subject to annual reporting by the applicant on January 31 annually and review by Development Services Department to determine compliance with all applicable requirements and standards of the El Paso County regulations and the conditions and safeguards imposed upon the approval of location by the Planning Commission. Upon completion of each periodic review, the Development Services Department shall forward its report and any recommendations to the Planning Commission, Board of County Commissioners and the holder of the approval of location. The annual report shall include:	This Permit Compliance Annual Report is being prepared to demonstrate the progress successfully implementing the commitments as prescribed in the ROD and the annual reporting requirements found in the other programmatic permits and approvals including: the Pueblo County 1041 Permit, the El Paso County Approval of Locations, the CDPHE 401 Water Quality Certification and the Fountain Creek Watershed, Flood Control and Greenway District approval.	No
Annual Report Requirement, Sub-Bullet a	Evaluation of compliance with El Paso County conditions of approval	Compliance with the conditions of approval is being documented through the Site Development Plan processes for each work package. The Site Development Plan was approved for finished water pipeline segment FW1A on September 8, 2010, for the S4B/N1A pipeline on April 27, 2011, for the N1B pipeline on July 18, 2011, the Williams Creek Pump Station on July 18, 2011, the FW1B pipeline on August 17, 2011, the Bradley Pump Station Power Supply on October 11, 2012, the S4A East and West Pipeline on October 18, 2012, the N1C pipeline on February 28, 2013, the Williams Creek Pump Station Power Supply on March 1, 2013, the N2A pipeline on June 5, 2013, and the Bradley Pump Station on July 16, 2013.	No

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Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Annual Report Requirement, Sub-Bullet b	Integrated Adaptive Management Plan	The Integrated Adaptive Management Plan (IAMP) has been completed and was submitted to the Bureau of Reclamation on March 18, 2011. The requirements of the IAMP will be coordinated with the development of the Phase II EMS that Colorado Springs Utilities will begin developing in the next reporting period. The requirements of the IAMP are not effective until SDS is operational.	No
Annual Report Requirement, Sub-Bullet c	Dust control report	The construction contract documents require the contractor to obtain an Air Pollution Emissions Notice (APEN) through the Colorado Department of Public Health & Environment and implement dust control measures as necessary to comply with the APEN requirements. Dust is monitored during routine inspections and only exceptions are reported to the County.	No
Annual Report Requirement, Sub-Bullet d	Weed control report	Noxious weed surveys are being completed as part of the final design and Site Development Plan processes. A noxious weed management plan is being provided to El Paso County as part of the Site Development Plan. The noxious weed management plan requirements are incorporated into the construction contract documents for each of the work packages.	No
Annual Report Requirement, Sub-Bullet e	Wildlife management report (any occurrences or actions regarding compliance with State or federal requirements)	Wildlife surveys are being completed as part of the Site Development Plan process. Habitat and species have been identified and proposed mitigation measures are identified in the wildlife survey report as necessary. Required mitigation measures will be initiated prior to construction. The construction contract documents provide direction to the contractor regarding how to handle sensitive wildlife species habitat that could be encountered during construction.	No
Annual Report Requirement, Sub-Bullet f	Cultural resources report (any occurrences or actions regarding compliance with State or federal requirements)	Class III cultural resource surveys have been completed for the NEPA corridor. In addition, a process has been initiated with Reclamation and SHPO to address cultural resource impacts as a result of construction of SDS in compliance with the Programmatic Agreement. Colorado Springs Utilities prepared a Treatment Plan which addresses how mitigation will be determined for each eligible or potentially eligible cultural resource site. The Treatment Plan was executed in June 2011.	No
Annual Report Requirement, Sub-Bullet g	Groundwater and surface water monitoring report addressing water quality and quantity	A Joint Funding Agreement was executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011. See Attachment 3 for the water quality monitoring data.	Attachment 3 - Water Quality Monitoring Data

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Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Annual Report Requirement, Sub-Bullet h	Vegetation monitoring report (status of revegetation efforts)	Revegetation efforts have begun or have concluded on the S4A West, S4A East, S4B/N1A, N1B, N1C, FW1A, and FW1B Pipeline work packages. A third party contractor has conducted surveys and provides reports on the revegetation coverage and diversity.	No
Annual Report Requirement, Sub-Bullet i	Complaint log and how the issues were resolved	Colorado Springs Utilities is tracking complaints received through a complaints log which includes a description of the follow-up activities that occurred to address or resolve the complaint. See Attachment 4 for the Complaint Log.	Attachment 4 - Complaint Log
Annual Report Requirement, Sub-Bullet j	Emergency response log and how the issues were resolved	Colorado Springs Utilities is tracking emergency response actions through an emergency response log which includes a description of the actions taken to resolve the issue. See Attachment 5 for the Emergency Response Log.	Attachment 5 - Emergency Response Log
Annual Report Requirement, Sub-Bullet k	Log of when work occurred during non-typical work hours (work outside the hours of 7:00 am and 6:00 pm) and rationale by which the work was deemed necessary	The typical work hours are being incorporated into the construction contract documents for each of the work packages, as applicable. The contractor receives approval to work during non-typical work hours from the El Paso County Department of Transportation prior to the activity. Colorado Springs Utilities is tracking work which occurs during non-typical work hours through a log which includes a rationale by which the work was deemed necessary. See Attachment 6 for the Log of Work Occurring During Non-Typical Work Hours.	Attachment 6 - Log of Work Occurring During Non-Typical Work Hours

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Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Pueblo County - 1041 permit			
7. Expenditures for Wastewater System Improvements, p. 12	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 \$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.	Colorado Springs Utilities submitted a wastewater expenditures report documenting 2009 expenditures to Pueblo County on January 29, 2010. Colorado Springs Utilities prepared a report documenting 2010 expenditures which was submitted to Pueblo County on January 31, 2011. The report for 2011 was submitted to Pueblo County on January 26, 2012. The report for 2012 was submitted to Pueblo County on January 31, 2013. The report for 2013 is being prepared and will be submitted to Pueblo County on or about January 31, 2014.	Attachment 7 - Expenditures for Wastewater System Improvements Annual Report for 2011
25. Compliance Monitoring and Reporting, p. 18	Applicant shall monitor and periodically report to Pueblo County on its compliance with this Permit. During project construction in Pueblo County, Applicant will submit a quarterly report to Pueblo County summarizing the activities during that period, forecasting activities scheduled for the upcoming period, and addressing compliance with the terms and conditions of the Permit. After commencing deliveries of water through the SDS pipeline, Applicant shall submit annual reports to Pueblo County summarizing its activities related to the SDS Project, the Permit, and addressing compliance with the terms and conditions of the Permit. Pueblo County may, at its discretion, hold public reviews of the reports and Permit compliance, including hearings in accordance with its regulations. <i>See Mitigation Appendix ENF-1.</i>	Colorado Springs Utilities has prepared and submitted a quarterly report for 4th Quarter 2012, 1st Quarter 2013, 2nd Quarter 2013, and 3rd Quarter 2013 during this reporting period. The report for 4th Quarter 2013 is being prepared and will be submitted to Pueblo County by January 31, 2014.	No

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Annual Implementation Progress Matrix

Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Mitigation Appendix ENF-1, Project Detail, Item 1, p. 22 of 28	<p>1. Submit a quarterly report during project construction in Pueblo County that will provide a summary of activities related to the Conditions of the permit. The report will summarize the activities occurring in the reporting period, and a forecast of activities planned in the upcoming period. Contents of the report will include (as applicable):</p> <ul style="list-style-type: none"> a. Safety incident log. b. Citizen call log. c. Description of mitigation and restoration activities (i.e., quantity and location of repaired road surface, reseeding, etc.). d. List of non-compliance issues by contractors (silt releases, work hour infractions, fines and penalties). e. Sustainable construction practices employed. f. Schedule and key milestones met and forecast. g. Location and extent of excavations. h. Instances of work outside normal work hours, except maintenance activities. i. Status of site maintenance, security and access control to properties. j. Location and extent of dewatering activities. k. Status of other required permits, including compliance with the programmatic agreement to protect cultural resources. l. Dust monitoring summary. m. Status of drainage and erosion control measures. n. Status of plant and wildlife protection requirements. o. Status of measures to protect surface and groundwater flows. p. Status of livestock protection measures. q. Status of Clear Spring Ranch project. r. Status of pump station architectural review. s. Status of land acquisition. t. Status of compliance with requirements concerning Pueblo County Roads. u. Status of dredging at the levees on Fountain Creek in Pueblo. v. Status of reclamation and bonding for disturbed areas. w. Status of the written MOU for construction and use of the North River Outlet Works. x. Acceptance of the design of structures at Lake Pueblo Dam by the BOR. y. Status of conservation strategies, local reuse, stormwater management, drainage regulations and enforcement. z. Status of stormwater and wastewater system improvements per permit commitments. aa. Status of NEPA, ROD, contract negotiations with BOR and notice of NEPA-required mitigation and any project changes resulting from contract negotiations. bb. Status of payments in lieu of property taxes. 	<p>Colorado Springs Utilities has prepared and submitted a quarterly report for 4th Quarter 2012, 1st Quarter 2013, 2nd Quarter 2013, and 3rd Quarter 2013 during this reporting period. The report for 4th Quarter 2013 is being prepared and will be submitted to Pueblo County by January 31, 2014. Copies of the quarterly reports are being provided to the BOR.</p>	No

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Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Mitigation Appendix ENF-1, Project Detail, Item 2, p. 23 of 28	<p>2. Submit an annual report to Pueblo County that will provide a summary of activities related to the SDS Project and the Conditions of the Permit. These reports will be due annually on or before January 31, beginning the year following commencement of water deliveries through the SDS pipeline. The reports shall include a signed certification of compliance with the Permit. Contents of the report will include, but will not be necessarily limited to:</p> <ul style="list-style-type: none"> a. Summary of storage, diversion, delivery of water in Pueblo County. b. Summary of Participants' return flows to Fountain Creek including storage and releases of such return flows (maximum daily flows, average annual and monthly flows and amounts). c. Summaries of exchanges by Participants between Pueblo Reservoir and the Fountain Creek confluence (monthly and annual rates of flow and quantities). d. Use of any new water rights to be delivered or stored through SDS (amount, time, source). e. Water quality monitoring. f. Geomorphology monitoring. g. Status of adaptive management plans on Fountain Creek. h. Status of payments into the Fountain Creek monetary mitigation fund. i. Status of expenditures for wastewater system improvements for Participants (and third party users in the Fountain Creek basin) per Permit Conditions. j. Reports on the operation of the Pueblo Flow Management Program and the Low Flow Program (rates, and quantities, and times of foregone exchanges, releases, and reception documentation). k. Status of lake level management cooperative efforts with other entities at Pueblo Reservoir. l. Status of conservation and local reuse. m. Payments to Pueblo County in lieu of property taxes. n. Copies of the annual reports on the SDS Project submitted to Reclamation. 	The annual report requirement was not applicable during this reporting period because SDS is not operational.	No
CDPHE - 401 Water Quality Certification			
Certification Statement, Bullet 4, p. 6	All collected raw data and annual reports developed as a requirement of other agency conditions will be submitted to the Division at the same time they are submitted to the requiring regulatory agency. Data and reports will be submitted directly to the Environmental Data Unit in an electronic data format agreed to by the Division.	The SDS Permit Compliance Annual Report for Calendar Year 2013 has been prepared to address the annual reporting requirements for all of the major programmatic permits. Colorado Springs Utilities will post this annual report to the SDS website (sdswater.org) where it can be accessed by all interested regulatory agencies or members of the public. Pertinent raw data and reports are being submitted as part of this annual report, of which CDPHE is a recipient.	No

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Reporting Requirements		CY2013 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Fountain Creek WFCGD - Resolution 2010-01			
Technical Advisory Committee Condition 2, p. 3 (Also Citizen Advisory Committee Condition 2)	<p>The Integrated Adaptive Management Plan (IAMP) shall be submitted to the District for review, and periodic reports on water quality and quantity shall be provided to the District.</p> <p>The Integrated Adaptive Management Plan (IAMP) will include how mitigation will be performed in case there are problems that were not anticipated during the project. This will include means and methods to address impacts from the project and specific triggers to initiate the process. Once the IAMP is finalized there will be an opportunity for comment.</p>	The IAMP has been completed and was submitted to the Bureau of Reclamation on March 18, 2011. The IAMP has been provided to the District.	No

Monthly Average Flow Data from USGS Gauge Station No. 07106500 Fountain Creek at Pueblo

The USGS provides data based on a water year (October through September).

ATTACHMENT 2

USGS Gauge Station No: 07106500

FOUNTAIN CREEK AT PUEBLO, CO

Pueblo County, Colorado

Hydrologic Unit Code 11020003

Latitude 38°17'16", Longitude 104°36'02" NAD27

Drainage area 925 square miles

Gage datum 4,705 feet above sea level NGVD29

00060, Discharge, cubic feet per second,														
YEAR	Monthly mean in cfs (Calculation Period: 2012-10-01 -> 2013-09-30)												Annual Average Flow	Long-Term Average Annual Simulated Streamflow
	2012			2013										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
Mean of Monthly Discharge	39.9	78.1	74.5	75.8	86.4	101	59.7	66.1	26.8	42.9	354	798	150.3	253.0

Notes:

1. No incomplete data has been used for the statistical calculations shown in the table.
2. Data in this table is from USGS National Water Information System: Web Interface (waterdata.usgs.gov/nwis/monthly).
3. The annual average is computed from the monthly mean data published by the U.S. Geological Survey.
4. The long-term average annual simulated streamflow for the preferred alternative (Alt 2) was taken from Table 33 of the FEIS.

Water Quality Monitoring Data

A Joint Funding Agreement was executed with the USGS to begin the water quality monitoring program in January, 2011. Data is provisional until it goes through the USGS quality assurance process. Cells shaded in blue represent data that exceeds CDPHE Reg. 32 Water Quality for Middle Arkansas River Basin segment 3, Lower Arkansas River Basin segment 1a, and Fountain Creek Basin segments 1a, 2a, 2b, and 6 standards.

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Ammonia	Selenium	Dissolved solids
Standards (if applicable)													
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20121022	62	640	12.1	8.9	630	16.6	1.4	126	2400	See Note	17.4	417
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20121128	42	646	12.2	8.7	682	7.6	1.4	4	290	0.02	20.9	483
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20121212	37	640	11.3	8.6	700	4.9	0.7	6	690	0.04	22.8	494
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130123	55	648	13.4	8.7	647	3.7	0.5	8	330	< 0.02	18.9	451
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130123	54	648	13.4	8.7	647	3.7	0.5	8	330	< 0.02	18.9	451
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130214	48	646	13.2	8.7	681	4.6	1.5	2	440	0.05	22.0	453
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130214	48	646	13.2	8.7	681	4.6	1.5	2	440	0.05	22.0	453
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130318	55	642	12.8	8.6	672	7.8	0.6	11	290	0.03	21.4	461
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130318	54	642	12.8	8.6	672	7.8	0.6	11	290	0.03	21.4	461
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130423	73	648	12.9	8.6	700	7.9	4.8	100	> 2400	< 0.02	19.7	482
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130423	74	648	12.9	8.6	700	7.9	4.8	100	>2400	<.02	19.7	482
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130513	221	648	10.8	8.5	565	11.8	2.0	7	690	0.03	9.3	362
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130607	1980	644	10.4	8.7	507	14.0	4.1	14	340	0.04	5.6	318
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130711	336	648	9.8	8.6	452	18.8	0.4	98	> 2400	< 0.02	4.7	285
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130805	62	645	8.1	8.2	795	25.1	66	390	> 2400	0.08	39.1	533
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20130903	46	648	8.8	8.3	637	24.7	6.0	8	> 2400	E 0.05	18.1	453
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20131021	141	648	9.4	8.4	542	12.8	16	24	1700	0.02	9.8	356
Standards (if applicable)													
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20121024	5.6	605	9.1	8.3	419	9.1	3.8	126	1600	See Note	4.6	241
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20121127	3.4	613	11.4	8.4	493	1.9	3.7	190	820	<.02	0.1	284
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20121217	3.8	601	10.8	8.5	530	0.1	0.2	49	770	<.02	0.1	298
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130128	4.2	599	10.5	8.4	522	2.7	8.4	170	690	< 0.02	0.2	307
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130128	4.2	599	10.5	8.4	522	2.7	8.4	49	690	<.02	0.2	307
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130226	6.2	604	11.6	8.4	629	0.0	5.2	49	410	< 0.02	0.2	366
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130226	6.2	604	11.6	8.4	629	0.0	5.2	82	410	<.02	0.2	366
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130319	4.5	611	10.4	8.4	494	5.7	0.5	11	440	< 0.02	0.2	284
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130319	4.5	611	10.4	8.4	494	5.7	0.5	11	440	<.02	0.2	284
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130416	5.1	606	10.6	8.4	475	3.7	0.3	52	520	< 0.02	0.2	281
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130416	5.1	606	10.6	8.4	475	3.7	0.3	52	520	<.02	0.2	281
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130506	5.9	614	9.9	8.4	438	10.3	0.2	110	290	< 0.02	0.2	246
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130605	3.9	613	8.5	8.5	592	11.3	1.8	820	2400	0.03	0.2	383
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130708	5.2	613	7.9	8.3	390	16.8	97	1400	24000	0.04	0.1	221
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130806	9.4	612	7.7	8.1	294	16.5	160	3300	> 24000	E 0.10	0.1	167
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20130904	14.0	616	8.0	8.2	347	16.2	49	1700	5800	< 0.02	0.2	200
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20131022	25.0	614	10.9	8.1	288	6.2	45	130	520	< 0.02	0.2	158
Standards (if applicable)													
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20121023	39	608	8.8	8.5	654	12.0	57.0	126	9200	See Note	4.6	412
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20121127	18	617	11.2	8.6	657	4.5	2.2	390	1400	0.02	3.0	404
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20121217	23	605	10.9	8.6	684	5.3	2.4	180	690	0.18	3.8	461
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130122	25	614	10.9	8.5	641	6.1	7.5	99	520	0.10	3.2	426
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130122	25	614	10.9	8.5	641	6.1	7.5	29	520	0.10	3.2	426
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130225	23	610	9	8.4	714	11.5	13	31	610	0.30	2.5	432
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130225	23	610	9.0	8.4	714	11.5	13.0	31	610	0.30	2.5	432
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130319	27	614	10.7	8.7	646	7.9	14	21	370	0.03	2.7	399
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130319	27	614	10.7	8.7	646	7.9	14.0	21	370	0.03	2.7	399
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130416	25	610	10.5	8.6	740	6.0	18	82	1000	0.02	2.8	461
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130416	25	610	10.5	8.6	740	6.0	18.0	82	1000	0.02	2.8	461
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130506	36	609	9.7	8.6	621	15.6	23	75	980	0.03	1.9	368
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130605	23	617	8.4	8.3	602	13.6	43	580	> 2400	0.06	2.4	382
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130708	18	618	7.1	8.3	540	22.7	20	1100	24000	0.05	1.7	319
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130806	23	617	6.7	8.3	597	23.9	160	990	> 24000	0.05	1.9	373
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20130904	34	620	7.3	8.3	625	22.8	39	1500	14000	0.14	2.3	378
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20131017	46	613	9.4	8.7	600	12.5	9.3	240	2000	0.10	1.7	372

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Ammonia	Selenium	Dissolved solids
Standards (if applicable)									126		See Note	8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20121029	34	618	10.2	8.2	662	7.3	2.4	240	2400	0.51	2.4	417
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20121127	25	617	11.8	8.7	747	5.5	4.2	140	1200	0.02	3.1	493
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20121217	28	606	10.5	8.6	689	5.8	42.0	1300	>2400	0.11	3.7	455
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130128	28	604	11.5	8.7	721	8.1	5.2	27	490	0.06	4.3	464
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130128	28	604	11.5	8.7	721	8.1	5.2	27	490	0.06	4.3	464
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130225	29	611	9.8	8.5	817	9.7	13	46	460	0.17	3.5	505
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130320	25	617	11	8.4	720	3.4	5.2	81	340	0.02	3.2	453
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130320	25	617	11.0	8.4	720	3.4	5.2	81	340	0.02	3.2	453
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130416	34	610	10.8	8.8	751	8.8	15	82	1000	< 0.02	2.7	475
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130416	34	610	10.8	8.8	751	8.8	15.0	82	1000	< 0.2	2.7	475
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130506	41	622	9.5	8.8	669	18.2	17	38	630	0.02	2.2	387
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130605	38	618	8.2	8.4	631	14.5	40	> 2400	1300	0.05	2.2	396
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130708	30	617	6.4	8.3	585	26.9	62	1400	20000	0.05	1.4	345
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130806	17	616	6.6	7.9	551	24.3	55	660	20000	0.04	1.4	340
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20130905	30	621	7.6	8.3	562	20.1	34	1900	16000	E 0.05	1.5	325
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20131023	61	618	10.2	8.2	573	6.7	15	200	E 2400	0.02	1.7	356
Standards (if applicable)									126		See Note	8	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20121023	50	611	9.5	8.4	692	18.1	2.1	140	>2400	0.04	2.6	427
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20121127	64	619	9.4	8.2	709	13.2	4.5	140	1700	0.03	2.6	457
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20121218	48	610	9.6	8.4	740	11.9	3.5	140	2400	0.05	2.8	480
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130122	59	617	10.0	8.2	749	11.4	1.8	210	870	0.05	4.1	501
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130122	59	617	10	8.2	749	11.4	1.8	210	870	0.05	4.1	501
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130219	53	615	10.6	8.1	697	11.7	2.4	100	870	0.04	2.2	441
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130219	53	615	10.6	8.1	697	11.7	2.4	100	870	0.04	2.2	441
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130320	90	616	10.8	8.5	728	11.7	7.3	100	770	0.02	2.9	462
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130320	90	616	10.8	8.5	728	11.7	7.3	100	770	0.02	2.9	462
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130422	59	614	10.0	8.4	771	15.0	4.2	41	520	0.04	2.3	475
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130422	59	614	10	8.4	771	15.0	4.2	41	520	0.04	2.3	475
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130510	173	622	8.8	7.9	625	12.1	85	300	6100	0.07	1.5	360
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130606	53	620	8.5	8.3	819	19.2	4.1	440	> 2400	0.09	2.7	500
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130709	31	622	6.9	8.0	676	23.6	60	440	14000	0.28	1.8	402
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130807	81	620	7.2	8.0	691	20.7	58	490	14000	E 0.07	2.0	436
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20130905	71	621	7.3	8.3	665	24.0	4.8	550	8700	0.05	2.0	414
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20131023	168	620	9.2	8.2	671	13.1	16	E 870	> 2400	0.04	2.0	417
Standards (if applicable)									126		See Note	8	
FOUNTAIN CREEK AT SECURITY, CO	20121029	53	624	9.9	8.5	765	12.3	12.0	140	2400	0.42	3.1	479
FOUNTAIN CREEK AT SECURITY, CO	20121127	63	623	9.5	8.5	785	9.4	16.0	99	2400	0.77	3.2	538
FOUNTAIN CREEK AT SECURITY, CO	20121217	59	611	9.3	8.6	785	9.2	16.0	33	1700	0.62	3.3	514
FOUNTAIN CREEK AT SECURITY, CO	20130128	65	610	9.7	8.7	767	11.2	25	43	650	0.46	3.6	500
FOUNTAIN CREEK AT SECURITY, CO	20130128	65	610	9.7	8.7	767	11.2	25.0	43	650	0.46	3.6	500
FOUNTAIN CREEK AT SECURITY, CO	20130227	51	625	11.0	8.2	951	3.4	6.8	34	340	0.38	3.8	571
FOUNTAIN CREEK AT SECURITY, CO	20130227	51	625	11.0	8.2	951	3.4	6.8	34	340	0.38	3.8	571
FOUNTAIN CREEK AT SECURITY, CO	20130321	65	612	9.6	8.3	812	6.6	12	55	920	0.26	3.4	508
FOUNTAIN CREEK AT SECURITY, CO	20130321	65	612	9.6	8.3	812	6.6	12.0	55	920	0.26	3.4	508
FOUNTAIN CREEK AT SECURITY, CO	20130422	61	620	9.0	8.6	859	13.6	21	42	1300	0.24	2.9	549
FOUNTAIN CREEK AT SECURITY, CO	20130422	61	620	9.0	8.6	859	13.6	21.0	42	1300	0.24	2.9	549
FOUNTAIN CREEK AT SECURITY, CO	20130510	191	627	9.0	8.1	642	13.7	180	390	6500	0.17	2.2	371
FOUNTAIN CREEK AT SECURITY, CO	20130606	63	623	7.9	8.8	866	25.4	12	73	1600	0.40	3.1	546
FOUNTAIN CREEK AT SECURITY, CO	20130709	42	626	6.6	8.2	772	26.2	42	300	16000	0.47	2.2	492
FOUNTAIN CREEK AT SECURITY, CO	20130807	85	625	7.2	8.2	759	20.4	86	700	20000	E 0.25	2.5	481
FOUNTAIN CREEK AT SECURITY, CO	20130905	70	627	6.7	8.4	743	27.0	33	190	9800	E 0.28	2.6	415
FOUNTAIN CREEK AT SECURITY, CO	20131023	166	624	8.4	8.4	740	15.6	25	E 160	> 2400	0.23	2.6	470

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Ammonia	Selenium	Dissolved solids
Standards (if applicable)									126		See Note	8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20121023	38	622	8.0	8.4	1010	16.9	18.0	39	>2400	<.02	4.1	659
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20121128	81	631	10.7	8.4	904	6.2	16.0	60	2400	0.03	3.5	599
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20121211	73	626	11.2	8.1	928	3.4	19.0	62	1300	0.06	3.9	628
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130124	83	628	10.7	8.2	909	2.6	34	81	1300	0.07	4.0	602
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130124	83	628	10.7	8.2	909	2.6	34.0	81	1300	0.07	4	602
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130220	81	618	10.4	8.3	926	5.4	15	13	370	0.05	3.9	600
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130220	81	618	10.4	8.3	926	5.4	15.0	13	370	0.05	3.9	600
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130320	95	626	9.5	8.3	961	10.7	23	11	410	0.03	4.3	636
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130320	92	626	9.5	8.3	958	10.7	23.0	11	410	0.03	4.3	636
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130422	36	626	9.1	8.3	1050	14.6	9.3	5	370	0.02	3.4	665
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130422	36	626	9.1	8.3	1050	14.6	9.3	5	370	0.02	3.4	665
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130515	62	625	6.5	8.1	955	23.5	39	E 50	> 2400	0.04	3.6	612
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130605	60	631	7.7	8.3	1010	15.8	35	120	2000	0.03	3.5	649
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130708	43	629	5.5	8.1	802	29.7	140	1000	24000	0.05	2.2	481
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130807	83	631	6.8	8.2	971	20.7	62	320	16000	0.05	2.6	630
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20130911	119	632	7.3	7.9	841	20.1	190	7700	24000	E 0.05	3.2	536
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20131021	140	629	8.4	8.3	852	15.1	32	210	> 2400	0.02	3.2	551
Standards (if applicable)									126		See Note	8	
FOUNTAIN CREEK NEAR PINON, CO	20121030	64	639	10.0	8.3	1020	5.6	130.0	26	460	<.02	3.7	686
FOUNTAIN CREEK NEAR PINON, CO	20121119	69	639	9.3	8.4	1040	11.3	62.0	38	2400	0.08	4.2	690
FOUNTAIN CREEK NEAR PINON, CO	20121218	80	618	11.1	8.4	1020	6.3	64.0	33	1400	0.05	4.0	683
FOUNTAIN CREEK NEAR PINON, CO	20130124	81	635	10.6	8.4	1020	6.6	77	15	690	0.03	5.4	674
FOUNTAIN CREEK NEAR PINON, CO	20130124	81	635	10.6	8.4	1020	6.6	77.0	15	690	0.03	5.4	674
FOUNTAIN CREEK NEAR PINON, CO	20130227	72	639	10	8.3	1070	8.5	65	3	520	0.03	4.6	694
FOUNTAIN CREEK NEAR PINON, CO	20130227	72	639	10.0	8.3	1070	8.5	65.0	3	520	0.03	4.6	694
FOUNTAIN CREEK NEAR PINON, CO	20130321	75	625	10.5	8.4	1010	9.2	71	14	480	< 0.02	4.2	665
FOUNTAIN CREEK NEAR PINON, CO	20130321	75	625	10.5	8.4	1010	9.2	71.0	14	480	< 0.02	4.2	665
FOUNTAIN CREEK NEAR PINON, CO	20130424	63	639	9.4	8.2	1120	12.4	130	E 170	E 2000	0.03	4.4	731
FOUNTAIN CREEK NEAR PINON, CO	20130424	63	639	9.4	8.2	1120	12.4	130.0	E170	E2000	0.03	4.4	731
FOUNTAIN CREEK NEAR PINON, CO	20130515	50	634	6.8	8.3	1110	24.2	70	E 44	> 2400	0.03	4.6	728
FOUNTAIN CREEK NEAR PINON, CO	20130610	17	635	6.8	8.3	1180	25.8	19	84	610	0.03	4.4	773
FOUNTAIN CREEK NEAR PINON, CO	20130715	470	641	6.5	7.9	502	21.3	1130	20000	> 240000	E 0.21	1.8	295
FOUNTAIN CREEK NEAR PINON, CO	20130808	216	638	7	8.1	982	21.2	600	1700	> 24000	E 0.04	2.9	650
FOUNTAIN CREEK NEAR PINON, CO	20130911	62	640	7.1	8.3	1070	22.6	110	330	20000	< 0.02	3.2	730
FOUNTAIN CREEK NEAR PINON, CO	20131024	E 135	642	9.3	8.2	985	11.0	55	39	2000	< 0.02	2.9	642
Standards (if applicable)									126		See Note	28.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20121025	40	646	9.9	8.4	1410	7.2	35.0	460	2400	<.02	17.5	.
FOUNTAIN CREEK AT PUEBLO, CO.	20121119	77	646	9.1	8.5	1230	12.0	48.0	17	1100	<.02	11.7	858
FOUNTAIN CREEK AT PUEBLO, CO.	20121211	87	641	10.6	8.4	1160	2.9	140.0	45	1700	0.04	10	811
FOUNTAIN CREEK AT PUEBLO, CO.	20130123	73	646	11.9	8.2	1070	0.0	54	18	290	0.05	11.3	841
FOUNTAIN CREEK AT PUEBLO, CO.	20130123	73	646	11.9	8.2	1070	0.0	54.0	18	290	0.05	11.3	841
FOUNTAIN CREEK AT PUEBLO, CO.	20130213	94	640	9.8	8.5	1220	8.5	73	4	260	< 0.02	10.0	798
FOUNTAIN CREEK AT PUEBLO, CO.	20130213	94	640	9.8	8.5	1220	8.5	73.0	4	260	< 0.02	10	798
FOUNTAIN CREEK AT PUEBLO, CO.	20130321	100	632	9.6	8.6	1160	12.9	72	6	250	< 0.02	10.0	780
FOUNTAIN CREEK AT PUEBLO, CO.	20130321	100	632	9.6	8.6	1160	12.9	72.0	6	250	< 0.02	10	780
FOUNTAIN CREEK AT PUEBLO, CO.	20130416	56	638	9.1	8.6	1280	13.7	19	4	110	< 0.02	13.1	899
FOUNTAIN CREEK AT PUEBLO, CO.	20130416	56	638	9.1	8.6	1280	13.7	19.0	4	110	< 0.02	13.1	899
FOUNTAIN CREEK AT PUEBLO, CO.	20130509	69	646	9.1	8.3	1240	11.6	990	3700	10000	0.08	14.5	844
FOUNTAIN CREEK AT PUEBLO, CO.	20130606	32	643	7.0	8.6	1370	26.8	97	490	2400	0.05	13.6	912
FOUNTAIN CREEK AT PUEBLO, CO.	20130711	10	643	6.8	8.4	2050	32.6	18	27	> 2400	< 0.02	50.6	1600
FOUNTAIN CREEK AT PUEBLO, CO.	20130805	330	644	6.9	8.1	1080	23.4	300	1100	> 24000	E 0.04	9.0	726
FOUNTAIN CREEK AT PUEBLO, CO.	20130903	119	644	6.5	8.2	1130	28.1	170	1100	> 24000	E 0.02	6.8	753
FOUNTAIN CREEK AT PUEBLO, CO.	20131021	160	646	9.5	8.4	1110	14.3	100	46	> 2400	< 0.02	6.5	750

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Ammonia	Selenium	Dissolved solids
Standards (if applicable)									126		See Note	14.1	
ARKANSAS RIVER NEAR AVONDALE, CO.	20121022	191	643	12.7	8.8	933	15.3	19.0	41	2000	<.02	13.7	668
ARKANSAS RIVER NEAR AVONDALE, CO.	20121128	230	648	12.1	8.6	975	6.8	15.0	23	820	0.09	14.1	701
ARKANSAS RIVER NEAR AVONDALE, CO.	20121212	233	643	11.8	8.7	978	5.0	27.0	14	730	0.02	14.5	724
ARKANSAS RIVER NEAR AVONDALE, CO.	20130123	251	651	12.1	8.3	975	1.8	40	34	340	< 0.02	13.5	669
ARKANSAS RIVER NEAR AVONDALE, CO.	20130123	251	651	12.1	8.3	975	1.8	40.0	34	340	<.02	13.5	669
ARKANSAS RIVER NEAR AVONDALE, CO.	20130212	244	646	13.0	8.7	962	6.8	29	8	150	< 0.02	14.5	657
ARKANSAS RIVER NEAR AVONDALE, CO.	20130212	244	646	13.0	8.8	949	6.8	29.0	8	150	<.02	14.5	657
ARKANSAS RIVER NEAR AVONDALE, CO.	20130318	244	646	10.6	8.4	971	6.1	34	14	460	0.02	14.3	667
ARKANSAS RIVER NEAR AVONDALE, CO.	20130318	244	646	10.6	8.4	971	6.1	34.0	14	460	0.02	14.3	667
ARKANSAS RIVER NEAR AVONDALE, CO.	20130423	209	651	11.4	8.5	995	8.0	16	93	310	< 0.02	14.6	709
ARKANSAS RIVER NEAR AVONDALE, CO.	20130423	209	651	11.4	8.5	995	8.0	16.0	93	310	<.02	14.6	709
ARKANSAS RIVER NEAR AVONDALE, CO.	20130513	426	650	8.0	8.3	828	19.9	78	40	1400	0.03	11.1	533
ARKANSAS RIVER NEAR AVONDALE, CO.	20130607	1890	649	8.0	8.3	578	14.0	38	46	2400	0.03	6.4	375
ARKANSAS RIVER NEAR AVONDALE, CO.	20130711	496	649	7.6	8.3	614	20.8	31	370	> 2400	< 0.02	6.3	404
ARKANSAS RIVER NEAR AVONDALE, CO.	20130805	1010	649	6.6	7.8	1100	22.2	130	2800	> 24000	E 0.16	13.3	808
ARKANSAS RIVER NEAR AVONDALE, CO.	20130903	369	649	7.5	8.2	937	26.0	150	460	24000	E 0.02	11.0	641
ARKANSAS RIVER NEAR AVONDALE, CO.	20131021	426	651	9.3	8.4	870	12.8	35	45	2400	< 0.02	10.0	588
Standards (if applicable)									126		See Note	28.1	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20121025	38	648	10.2	8.5	1460	7.7	40.0	140	2000	<.02	18.8	1070
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20121119	66	648	10.0	8.4	1280	5.6	47.0	36	1700	<.02	12.7	896
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20121218	90	635	10.3	8.6	1190	6.3	72.0	20	870	<.02	10.3	819
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130124	80	642	9.9	8.5	1190	7.3	81	24	650	0.03	10.6	820
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130124	80	642	9.9	8.5	1190	7.3	81.0	24	650	0.03	10.6	820
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130214	71	645	11.6	8.5	1250	2.0	61	23	610	< 0.02	11.6	840
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130214	71	645	11.6	8.5	1250	2.0	61.3	23	610	<.02	11.6	840
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130318	87	641	10.6	8.5	1180	11.5	87	14	650	0.03	10.7	806
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130318	87	641	10.6	8.5	1180	11.5	87.0	14	650	0.08	10.7	806
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130424	50	647	11.1	8.2	1320	5.1	57	E 38	E 770	< 0.02	11.7	908
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130424	50	647	11.1	8.2	1320	5.1	57.0	E38	E770	<.02	11.7	908
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130513	72	647	8.2	8.3	1280	17.3	62	65	2400	0.03	12.8	859
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130607	38	645	9	8.5	1450	16.0	48	300	1600	0.03	16.3	989
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130711	6.5	644	7.2	8.4	2090	31.6	19	64	> 2400	< 0.02	40.7	1610
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130805	318	644	6.5	8.2	1090	26.3	320	1100	> 24000	E 0.08	8.7	733
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20130903	138	646	7.5	8.1	1120	21.2	210	1500	> 24000	< 0.02	7.5	745
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20131028	137	642	8.8	8.3	1190	13.9	69	43	2400	< 0.02	7.3	782

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Ammonia	Selenium	Dissolved solids
Standards (if applicable)									126		See Note	8	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20121018	27	643	8.3	8.6	1290	15.5	10.0	64	520	E.01	7.1	931
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20121119	67	646	10.1	8.4	1170	8.4	40.0	31	920	<.02	5.5	798
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20121220	67	647	10.7	8.3	1180	0.0	82.0	23	1100	0.03	5.9	801
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130123	83	644	11.1	8.3	1120	6.3	90	12	460	0.04	7.5	746
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130123	83	644	11.1	8.3	1120	6.3	90.0	12	460	0.04	7.5	746
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130227	77	645	9.8	8.4	1170	10.0	52	4	120	< 0.02	6.1	791
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130227	77	645	9.8	8.4	1170	10.0	52.0	4	120	<.02	6.1	791
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130321	89	631	9.9	8.5	1110	11.4	69	3	330	< 0.02	6.0	755
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130321	89	631	9.9	8.5	1110	11.4	69.0	3	330	<.02	6.0	755
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130424	60	646	10.3	8.3	1200	8.0	71	E 37	E 1000	< 0.02	6.4	798
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130424	60	646	10.3	8.3	1200	8.0	71.0	E37	E1000	<.02	6.4	798
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130516	56	640	9.8	8.2	1200	14.5	52	72	2000	0.03	6.8	797
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130610	25	641	7.5	8.4	1310	27.6	12	51	610	0.02	7.9	891
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130715	E 270	646	6.5	7.8	774	22.3	110	31000	> 240000	E 0.62	2.4	472
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130808	239	.	7.0	8.2	989	22.1	720	1500	24000	E 0.03	4.1	662
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20130912	189	647	7.6	8.2	961	18.9	1030	9800	> 24000	E 0.04	4.4	631
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20131024	136	647	10	8.4	1120	13.0	82	30	2000	< 0.02	4.0	740
Standards (if applicable)									126		See Note	8	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20121023	51	619	8.6	8.7	837	17.5	12.0	41	>2400	0.02	2.8	517
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20121128	72	630	10.9	8.4	822	4.7	11.0	57	1200	0.07	3.1	549
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20121218	68	618	11.7	8.5	854	6.0	14.0	22	650	0.12	3.3	560
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130124	74	626	10.6	8.4	853	5.0	17	51	1300	0.15	3.6	554
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130124	74	626	10.6	8.4	853	5.0	17.0	51	1300	0.15	3.6	554
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130227	62	629	11.1	8.3	958	6.4	13	23	520	0.06	3.6	600
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130227	62	629	11.1	8.3	958	6.4	13.0	23	520	0.06	3.6	600
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130321	E 85	616	10.3	8.4	855	6.8	21	61	1300	0.03	3.2	524
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130321	E85	616	10.3	8.4	855	6.8	21.0	61	1300	0.03	3.2	524
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130424	72	628	9.5	8.5	1070	15.0	20	E 21	E 1400	0.02	3.1	639
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130424	72	628	9.5	8.5	1070	15.0	20.0	E21	E1400	0.02	3.1	639
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130515	82	624	8.0	8.3	822	18.2	51	E 140	E 2400	0.04	2.9	508
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130610	62	626	9.0	8.4	871	19.9	4.6	65	1000	0.12	2.7	545
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130715	E 300	631	7.0	8.0	428	19.2	600	9200	> 24000	E 0.14	1.4	253
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130808	113	628	--	8.2	794	19.7	1130	2200	24000	E 0.08	2.2	506
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20130911	136	630	7.0	8.2	637	21.0	200	13000	> 24000	E 0.09	2.4	387
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20131024	130	631	9.5	8.2	807	8.9	30	110	2400	0.09	2.5	507

Note on Ammonia:

Arkansas River Standards for Ammonia include calculations to be performed monthly. These standards are not included because calculations with the small volume of data taken for SDS would yield inaccurate standards.

Note on Salinity:

No standards exist for Salinity along the Arkansas River.

Complaint Log

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	2/1/2013	Melissa Matthies (Pueblo County resident)	Traffic concern in El Paso County near elementary school just north of county line.	Provided vehicle descriptions to contractor and also to El Paso County Sheriff's Office and came to believe the individuals involved were not part of SDS project.	Continue to emphasize expectations of safety and courtesy with contractor and subs.	Mrs. Matthies seemed pleased with our response.
PC	2/13/2013	Pam Williams	Utility work under way behind her house, concerned about what it is and possible impact on revegetation area.	Team researched utility work that Mrs. Williams saw. It turned out to be the Fountain Valley Authority updating cathodic protection for its pipeline. SDS team working to ensure that FVA does notification with property owner near SDS.	Following progress of FVA work and advocating for SDS property neighbors.	Mrs. Williams says she is very satisfied and appreciates team's assistance and advocacy.
PC	4/29/2013	Herb Walsh	Resident called for an update on his request for further leveling of his property prior to watering commencing.	SDS reiterated to him that pending the weather, the following week the work should be completed. SDS indicated that we will give him at least a 48 hour notice prior to any work.	SDS followed up with Mr. Walsh that the work would be performed Friday, May 3.	Mr. Walsh seemed satisfied with the outcome.
PC	5/2/2013	Paul Langlois	Resident called to inquire about removing some weeds along the reveg/property line, to inquire if his temporary construction fence could now be removed, and request for his property corners within the former construction area could be marked.	SDS coordinated with the property owner to complete the requested items.		Mr. Langlois seemed satisfied with the outcome.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	5/10/2013	Dwain Maxwell	Resident called to inquire about his irrigation schedule and if his sprinkler heads were working.	SDS visited his property to check sprinkler head coverage and make sure the system was operational.	SDS followed up that week to see if the resident had any other questions.	Mr. Maxwell seemed satisfied, and expressed interest in being kept informed about each weeks activities.
epc	5/13/2013	Joan Teagle	Concerned about a blind hill in her neighborhood and truck traffic being able to stop/slow for nearby local traffic and driveways nearby	Contacted resident engineer and project manager to report the road conditions. Contractor examined safety signs to make sure they were posted in good locations. Contractor also issued info to truck drivers to proceedd with caution through the neighborhood due to the hill and nearby driveways.	Spoke with resident and asked to explain the steps taken to enhance safety. Asked her to keep us updated.	Residents seemed satisfied.
PC	6/7/2013	Caller from Pueblo County Sheriff's Office	Deputy noticed water flowing near irrigation system at Highway 50	This was after work hours on a Friday; SDS immediately sent staff to area and turned off system; repairs were made to system.	Continue monitoring and thanks to Sheriff's Office	None requested
PC	6/7/2013	Dwain Maxwell	Resident called to inquire about his watering schedule, his missing that day's watering, and express his concern that the area needs more water.	SDS called Mr. Maxwell and discussed the watering schedule and that sometimes it does vary. SDS indicated they would see if a representative was able to manually start his zone for some auxiliary watering.	No representatives were available to stop by the property. Reveg team indicated enough water had been applied to last through weekend.	Mr. Maxwell was very concerned and expressed his displeasure that watering needs to be followed through on more consistently.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	6/10/2013	Dwain Maxwell	Resident called to inquire about his watering schedule, his missing that morning's watering, and express his concern that the area needs more water.	SDS called him back and indicated the timer should have initiated his Monday watering. An irrigation specialist stopped at the property to check that the system was operational.	The system was operational, however it was found that the system had not been restarted for the week until after Mr. Maxwell's morning cycle would have initiated. SDS manually ran his sprinklers to catch up on the water cycle.	Mr. Maxwell was very concerned and expressed his displeasure that watering needs to be followed through on more consistently.
PC	6/14/2013	Dwain Maxwell	Resident called to inquire about his watering schedule, his missing that afternoon's watering, and express his concern that the area needs more water.	SDS called him back and let him know that the irrigation schedule is being reset, so his times would vary as the contractor prepares the new schedule for the following week.		Mr. Maxwell was very concerned and expressed his displeasure that watering needs to be followed through on more consistently.
EPC	6/15/2013	Keith from Wigwam	Wigwam Water noticed standing water near one of the S4AW irrigation connections to FVA and contacted us.	Wigwam Water had already turned off our valve; we dispatched contractor and permitting representative to review and document. No erosion damage noted. Connection fixed.	Thanked Keith from Wigwam and asked to keep lines of communication open.	None requested
PC	6/25/2013	Patricia Burnell	Resident called to inquire about SDS irrigation of the revegetation area and express her concerns about its continuation.	SDS shared with her the importance of restoration for the neighbors whose property had construction. SDS also discussed with her the irrigation approaches and water use.		Ms. Burnell was very concerned about any watering in the construction area since it does not benefit her and she perceived it as wasteful.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
epc	6/26/2013	Ted Rush	Concerned about the condition of Meridian Road due to construction hauling traffic.	Contacted resident engineer and project manager to report the road conditions. Contractor dispatched a blade to smoothen the road.	Called Mr. Rush back to let him know the action plan. Followed up after the activity to make sure it met the neighborhoods needs	Residents seemed satisfied.
PC	7/8/2013	Elovida Velasquez	Property owner is concerned about overgrowth of vegetation in the revegetation area.	SDS surveyed the site, noted conditions, and worked with the contractor to arrange for mowing of the area.	Mowing occurred at the property and adjacent parcels.	Mrs. Velasquez seemed satisfied with the follow though, but noted that she is concerned about the growth of nuisance vegetation in the former construction area.
PC	7/12/2013	Dwain Maxwell	Resident called to inquire about the watering schedule and requested specific times and days of the week for watering. He expressed concern about oversaturation of irrigation water on the property and its effect on revegetation.	SDS spoke with him to better understand his concern about oversaturation and began exploring irrigation options to address his concern. SDS requested a few days to seek a solution.	Mr. Maxwell expressed his interest in having his request addressed immediately. SDS suggested to have a representative meet with him the upcoming week to further discuss the revegetation efforts on his property. Following the call, the SDS revegetation team reviewed watering schedules.	Mr. Maxwell was very concerned and expressed his displeasure that his request could not be met immediately.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	7/17/2013	Mr. Reese	Resident is concerned about overgrowth of vegetation in the revegetation area.	SDS surveyed the site, noted conditions, and worked with the contractor to arrange for mowing of the area.	Mowing occurred at the property and adjacent parcels.	Resident had no additional questions.
PC	7/22/2013	Bobby Luttrell	Property owner is concerned about overspraying of the irrigation system on his property and requested a sprinkler head adjustment.	SDS sent a contractor representative to the property to fine tune the sprinklers to limit overspray on the property.	Sprinkler heads were adjusted the following day by the contractor.	Resident seemed satisfied.
PC	7/31/2013	Dwain Maxwell	Resident called to let SDS know a sprinkler head was misaligned and causing an irrigation issue. Mr. Maxwell also requested an update on what day might work to meet an SDS representative to walk through his property to further discuss the revegetation and irrigation process.	SDS representative agreed to meet with Mr. Maxwell the following day to observe the sprinkler head and to further discuss the revegetation and irrigation process on his property.	On-going, SDS is working with Mr. Maxwell and the SDS revegetation team to realign the sprinkler head and check the other heads on the adjoining properties and will continue to monitor.	SDS continues to meet with Mr. Maxwell in an ongoing basis.

Emergency Response Log

No attachment is provided because no emergency response incidents associated with construction of SDS occurred during this reporting period.

Log of Work Occurring During Non-Typical Work Hours

Work Occurring During Non-Typical Work Hours

Work Package	Day	Date	Hours Worked	Reason
JPS	Saturday	10/26/2013		Maintenance/Glass Replaced/No work activity
JPS	Wednesday	12/4/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Thursday	12/5/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Friday	12/6/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Monday	12/9/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Tuesday	12/10/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Wednesday	12/11/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Thursday	12/12/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Friday	12/13/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Monday	12/16/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Tuesday	12/17/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Wednesday	12/18/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Thursday	12/19/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Friday	12/20/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Monday	12/23/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Thursday	12/26/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Friday	12/27/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Monday	12/30/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
JPS	Tuesday	12/31/2013	6:00 a.m. - 7:00 a.m.	Equipment warm up/ Safety meeting
PDC1B	Saturday	10/19/2013	7:00 a.m.- 3:30 p.m.	Trenching to keep up with schedule
PDC1B	Saturday	10/26/2013	7:00 a.m.- 3:30 p.m.	Trenching to keep up with schedule
PDC1B	Saturday	11/9/2013	7:00 a.m.- 3:30 p.m.	Trenching to keep up with schedule
PDC1B	Saturday	11/23/2013	7:00 a.m.- 3:30 p.m.	Trenching to keep up with schedule; 1/2 day for maintenance
PDC1B	Saturday	12/7/2013	7:00 a.m.- 3:30 p.m.	Trenching to keep up with schedule; 1/2 day for maintenance
PDC1B	Saturday	12/21/2013	7:00 a.m.- 3:30 p.m.	Trenching 1/2 day, digging, laying pipe, stripping forms to make up for holiday time
N1C/N2A	Monday	7/8/2013	6:00 p.m.- 8:00 p.m.	Trenchless crossing under Bradley Road
N1C/N2A	Tuesday	7/9/2013	6:00 p.m.- 8:00 p.m.	Trenchless crossing under Bradley Road
N1C/N2A	Wednesday	7/10/2013	6:00 p.m.- 8:00 p.m.	Trenchless crossing under Bradley Road
N1C/N2A	Thursday	7/11/2013	6:00 p.m.- 8:00 p.m.	Trenchless crossing under Bradley Road
N1C/N2A	Friday	7/12/2013	6:00 p.m.- 8:00 p.m.	Trenchless crossing under Bradley Road
N1C/N2A	Saturday	7/13/2013	6:00 p.m.- 8:00 p.m.	Trenchless crossing under Bradley Road
S4A West	Friday	9/27/2013	7:00 p.m. - 10:00 p.m.	S3-S4A West connection
S4A East	Wednesday	11/20/2013	7:00 p.m. - 10:00 p.m.	S4B-S4A East connection

Expenditures for Wastewater System Improvements Annual Report for 2013



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

January 16, 2014

Reporting for the period between January 1, 2013 and December 31, 2013

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APPENDIX A – LCERP COMPLETION TABLE

APPENDIX B – MHERP COMPLETION TABLE

Introduction

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, 2010 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, 2010. 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 Springs Utilities collection system. In 2013 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 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 Project (LCERP)

LCERP consists of the systematic evaluation and rehabilitation of sewer collection pipes less than 10-inch 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 to our wastewater system through the year 2025.

LCERP repaired or rehabilitated approximately 36,700 feet of less than 10-inch sewer pipe, representing approximately 139 line segments, at a cost of \$3,889,389 in 2013.

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

MHERP repaired or rehabilitated 263 manholes, at a cost of \$369,336 in 2013.

Collection System Rehabilitation and Replacement Project (R&R)

The Sanitary Sewer Evaluation and Rehabilitation Program (SSERP) was completed on December 31, 2012, meeting all the requirements of the CDPHE Compliance Order on Consent (COC). Closure of the COC was requested on January 29, 2013 and granted by CDPHE on March 8, 2013. The successor Collection System Replacement and Rehabilitation Program (R&R) contracts were also put into place in 2009 to continue the rehabilitation and replacement of the pipes identified and is described below. The total cost associated with SSERP since 2000 is approximately \$74.85million.

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

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.

There were no pipes rehabilitated in 2013 that would be applicable to the terms of the 1041 Permit.

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

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 \$3.15M in 2013.

- Include supplies from raw surface water, groundwater, and reclaimed water.

Only normal operation and maintenance of the reuse system was conducted in 2013.

Summary

During the reporting period of January 1, 2013 through December 31, 2013 costs for LCERP and MHERP totaled \$4,258,725. The total Wastewater Expenditures reported since 2010 is \$30,934,478.

Appendix A

2013 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.195201	2559995	6	14	Replacement	UPPER SAND CREEK	01/14/13
WW.137323	2540269	8	352	Replacement	SHOOKS RUN	02/08/13
WW.132864	2559974	8	12	Replacement	UPPER SAND CREEK	02/14/13
WW.134500	2535341	8	231	CIPP	SHOOKS RUN	02/28/13
WW.159796	2535401	8	231	CIPP	SHOOKS RUN	03/01/13
WW.153585	2043172	8	267	CIPP	SHOOKS RUN	03/05/13
WW.155602	2043262	8	327	CIPP	SHOOKS RUN	03/05/13
WW.159763	2535312	8	500	CIPP	SHOOKS RUN	03/06/13
WW.141952	2140787	8	220	CIPP	SHOOKS RUN	03/07/13
WW.157704	2535528	8	397	CIPP	SHOOKS RUN	03/11/13
WW.153627	2535397	8	281	CIPP	SHOOKS RUN	03/12/13
WW.134510	2535523	8	500	CIPP	SHOOKS RUN	03/12/13
WW.137227	2043269	8	512	CIPP	SHOOKS RUN	03/13/13
WW.153578	2535405	8	490	CIPP	SHOOKS RUN	03/13/13
WW.152667	2559997	8	12	Replacement	UPPER SAND CREEK	03/13/13
WW.153582	2047950	8	71	CIPP	SHOOKS RUN	03/14/13
WW.134524	2043266	8	245	CIPP	SHOOKS RUN	03/14/13
WW.147607	2535407	8	148	CIPP	SHOOKS RUN	03/14/13
WW.149633	2535343	8	106	CIPP	PATTY JEWETT	03/16/13
WW.159823	2535538	8	119	CIPP	SHOOKS RUN	03/18/13
WW.164417	2535342	8	532	CIPP	SHOOKS RUN	03/19/13
WW.151607	1861850	8	382	CIPP	SHOOKS RUN	03/20/13
WW.159774	2139307	8	103	CIPP	SHOOKS RUN	03/22/13
WW.149619	2043954	8	341	CIPP	SHOOKS RUN	03/22/13
WW.142551	2559976	8	11	Replacement	UPPER SAND CREEK	03/22/13
WW.161806	2535530	8	392	CIPP	SHOOKS RUN	03/26/13
WW.151612	2535400	8	497	CIPP	SHOOKS RUN	03/27/13
WW.145542	2535348	8	293	CIPP	SHOOKS RUN	03/28/13
WW.156089	2535526	8	488	CIPP	SHOOKS RUN	03/29/13
WW.155605	2535529	8	501	CIPP	SHOOKS RUN	03/30/13
WW.151648	2535531	8	310	CIPP	SHOOKS RUN	04/01/13
WW.163819	2535527	8	506	CIPP	SHOOKS RUN	04/02/13
WW.134706	2535540	8	256	CIPP	SHOOKS RUN	04/02/13
WW.134670	2535539	8	401	CIPP	SHOOKS RUN	04/04/13
WW.147611	2535408	8	127	CIPP	SHOOKS RUN	04/05/13
WW.139313	2535534	8	154	CIPP	SHOOKS RUN	04/05/13
WW.145573	2140925	8	182	CIPP	SHOOKS RUN	04/05/13
WW.151652	2535536	8	106	CIPP	SHOOKS RUN	04/06/13
WW.134597	2535398	8	221	CIPP	SHOOKS RUN	04/08/13
WW.158829	2559984	8	11	Replacement	UPPER SAND CREEK	04/09/13
WW.139308	2535524	8	52	CIPP	SHOOKS RUN	04/10/13
WW.139309	2535533	8	322	CIPP	SHOOKS RUN	04/13/13
WW.157709	2043295	8	346	CIPP	SHOOKS RUN	04/15/13
WW.157783	2535541	8	396	CIPP	SHOOKS RUN	04/16/13
WW.137233	2535543	8	188	CIPP	PATTY JEWETT	04/17/13
WW.147627	2535346	8	389	CIPP	SHOOKS RUN	04/18/13
WW.151619	2535544	8	107	CIPP	PATTY JEWETT	04/18/13
WW.146073	2535545	8	422	CIPP	PATTY JEWETT	04/19/13
WW.160885	2559988	8	12	Replacement	UPPER SAND CREEK	04/19/13
WW.163885	2535546	6	121	CIPP	SHOOKS RUN	04/20/13

2013 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.159814	2140783	8	397	CIPP	SHOOKS RUN	04/21/13
WW.149634	2535344	8	390	CIPP	SHOOKS RUN	04/25/13
WW.151646	2535532	8	322	CIPP	SHOOKS RUN	04/28/13
WW.134650	2535537	8	305	CIPP	SHOOKS RUN	04/28/13
WW.139291	2139314	8	262	CIPP	SHOOKS RUN	04/29/13
WW.195192	2559994	6	16	Replacement	UPPER SAND CREEK	05/06/13
WW.146718	2559977	8	11	Replacement	UPPER SAND CREEK	05/12/13
WW.137377	1856817	8	374	Replacement	SPRING CREEK	05/28/13
WW.143363	2586478	8	139	Replacement	PATTY JEWETT	05/29/13
WW.138589	2540272	8	177	Replacement	UPPER SAND CREEK	06/14/13
WW.146906	2598191	8	397	Replacement	UPPER SAND CREEK	06/20/13
WW.161745	1851167	8	502	Replacement	PATTY JEWETT	06/22/13
WW.134802	2610483	8	366	Replacement	SPRING CREEK	06/24/13
WW.149290	2596082	6	390	Replacement	STRATTON MEADOWS	06/27/13
WW.161117	2598188	8	234	Replacement	UPPER SAND CREEK	06/27/13
WW.152701	2559979	8	15	Replacement	UPPER SAND CREEK	06/28/13
WW.163103	2101540	8	319	Replacement	SPRING CREEK	07/03/13
WW.133969	2623610	8	19	Replacement	UPPER SAND CREEK	07/06/13
WW.134051	2597891	8	100	Replacement	CARSON VALLEY	07/24/13
WW.143529	2626509	8	12	Replacement	UPPER SAND CREEK	07/26/13
WW.136947	2596084	6	299	Replacement	STRATTON MEADOWS	07/29/13
WW.146962	2606483	8	233	Replacement	SPRING CREEK	08/01/13
WW.161159	2606494	8	310	Replacement	SPRING CREEK	08/12/13
WW.195166	2559998	8	18	Replacement	UPPER SAND CREEK	08/14/13
WW.195176	2559999	8	17	Replacement	UPPER SAND CREEK	08/25/13
WW.132963	1964220	8	203	CIPP	TEMPLETON GAP	08/26/13
WW.148751	1964221	8	329	CIPP	TEMPLETON GAP	08/27/13
WW.140505	2579772	8	171	CIPP	TEMPLETON GAP	08/27/13
WW.163190	2606520	8	272	Replacement	SPRING CREEK	09/01/13
WW.161739	2540275	8	28	Replacement	PATTY JEWETT	09/08/13
WW.140943	2541279	8	335	Replacement	BOTT	09/14/13
WW.141952	2140787	8	220	Replacement	SHOOKS RUN	09/19/13
WW.133198	2597862	8	280	Replacement	UPPER SAND CREEK	09/26/13
WW.142597	1964229	8	299	CIPP	TEMPLETON GAP	09/30/13
WW.158952	1964226	8	277	CIPP	TEMPLETON GAP	09/30/13
WW.146765	2579995	8	462	CIPP	TEMPLETON GAP	10/01/13
WW.152781	1963697	8	386	CIPP	TEMPLETON GAP	10/02/13
WW.144671	1963698	8	279	CIPP	TEMPLETON GAP	10/02/13
WW.157704	2535528	8	397	Replacement	SHOOKS RUN	10/03/13
WW.152524	2582408	6	250	Replacement	MESA VALLEY	10/03/13
WW.150884	2540294	8	374	Replacement	UPPER SAND CREEK	10/22/13
WW.150523	2582406	6	261	Replacement	MESA VALLEY	10/30/13
WW.159865	2623609	8	23	Replacement	UPPER SAND CREEK	11/02/13
WW.132969	2048120	8	346	CIPP	TEMPLETON GAP	11/07/13
WW.160999	2048125	8	176	CIPP	TEMPLETON GAP	11/07/13
WW.146816	2048142	8	312	CIPP	TEMPLETON GAP	11/08/13
WW.160998	2048118	8	140	CIPP	TEMPLETON GAP	11/08/13
WW.161039	2048154	8	293	CIPP	TEMPLETON GAP	11/08/13
WW.158954	2048112	8	233	CIPP	TEMPLETON GAP	11/11/13
WW.145573	2140925	8	182	Replacement	SHOOKS RUN	11/14/13

2013 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.152902	2630098	8	234	CIPP	UPPER SAND CREEK	11/25/13
WW.144823	2630101	8	402	CIPP	UPPER SAND CREEK	11/25/13
WW.148884	2630099	8	399	CIPP	UPPER SAND CREEK	11/26/13
WW.154922	2630095	8	190	CIPP	UPPER SAND CREEK	11/27/13
WW.142718	2630181	8	444	CIPP	UPPER SAND CREEK	11/27/13
WW.156589	1858831	8	331	CIPP	PATTY JEWETT	12/02/13
WW.145441	2578652	8	279	CIPP	PATTY JEWETT	12/02/13
WW.144362	1841511	8	500	CIPP	PATTY JEWETT	12/02/13
WW.142719	2630102	8	255	CIPP	UPPER SAND CREEK	12/02/13
WW.159056	2630114	8	76	CIPP	UPPER SAND CREEK	12/02/13
WW.133198	2597862	8	280	CIPP	UPPER SAND CREEK	12/02/13
WW.138600	2630109	8	144	CIPP	UPPER SAND CREEK	12/03/13
WW.133197	2630113	8	210	CIPP	UPPER SAND CREEK	12/03/13
WW.154920	2630092	8	195	CIPP	UPPER SAND CREEK	12/04/13
WW.163061	2614015	8	348	Replacement	UPPER SAND CREEK	12/05/13
WW.157010	2630096	8	252	CIPP	UPPER SAND CREEK	12/10/13
WW.138861	1919936	8	196	CIPP	TEMPLETON GAP	12/10/13
WW.140900	1919885	8	262	CIPP	TEMPLETON GAP	12/10/13
WW.151156	1919869	8	337	CIPP	TEMPLETON GAP	12/10/13
WW.138128	2583380	8	400	CIPP	DOUGLAS CREEK	12/11/13
WW.133733	1923751	8	289	CIPP	TEMPLETON GAP	12/11/13
WW.142634	2630204	8	343	CIPP	UPPER SAND CREEK	12/11/13
WW.145116	1928132	8	392	CIPP	TEMPLETON GAP	12/11/13
WW.161041	2630223	8	230	CIPP	UPPER SAND CREEK	12/11/13
WW.163401	1923755	8	397	CIPP	TEMPLETON GAP	12/11/13
WW.135618	2048163	8	446	CIPP	TEMPLETON GAP	12/12/13
WW.133202	2630121	8	292	CIPP	UPPER SAND CREEK	12/12/13
WW.140625	2630139	8	283	CIPP	UPPER SAND CREEK	12/12/13
WW.142722	2630182	8	97	CIPP	UPPER SAND CREEK	12/12/13
WW.133210	2630185	8	266	CIPP	UPPER SAND CREEK	12/12/13
WW.142635	2630205	8	298	CIPP	UPPER SAND CREEK	12/12/13
WW.133201	2630119	8	273	CIPP	UPPER SAND CREEK	12/13/13
WW.157011	2630144	8	326	CIPP	UPPER SAND CREEK	12/13/13
WW.152906	2630147	8	165	CIPP	UPPER SAND CREEK	12/13/13
WW.140624	2630149	8	275	CIPP	UPPER SAND CREEK	12/13/13
WW.148079	2578663	8	278	CIPP	UPPER SAND CREEK	12/14/13
WW.140604	2630202	8	321	CIPP	UPPER SAND CREEK	12/14/13
WW.146825	2630210	8	283	CIPP	UPPER SAND CREEK	12/14/13
WW.146871	2630211	8	398	CIPP	UPPER SAND CREEK	12/14/13
Totals		139	36,742			

Appendix B

2012 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.112120	2541652	4	8.8	03/01/2013
ww.127611	2541653	4	13.7	02/18/2013
ww.125614	2541654	5	12.8	03/07/2013
ww.131623	2541655	4	7.4	03/07/2013
ww.129916	2541656	4	9.2	03/11/2013
ww.111934	2541657	4	14	02/20/2013
ww.105996	2541658	4	13.9	02/19/2013
ww.126127	2541659	4	12.6	03/01/2013
ww.127276	2541660	4	9.6	02/28/2013
ww.121269	2541661	4	5.6	03/01/2013
ww.106289	2541662	4	10.1	03/04/2013
ww.128118	2541711	5	7.4	02/28/2013
ww.125973	2541712	4	14.9	02/19/2013
ww.107641	2541717	4	11.1	02/18/2013
ww.119934	2541720	4	11	02/20/2013
ww.116132	2541721	4	7.2	03/06/2013
ww.100495	2541722	4	18.8	03/06/2013
ww.118124	2600426	5	7.2	09/26/2013
ww.127207	2600427	4	4.8	09/26/2013
ww.104908	2600428	4	14.2	09/23/2013
ww.119709	2600429	4	11.4	09/26/2013
ww.129727	2600430	4	10.6	09/26/2013
ww.109769	2600431	4	6	09/24/2013
ww.103670	2600432	4	11.9	09/24/2013
ww.111728	2600433	4	9.3	09/24/2013
ww.197528	2600434	4	10.8	09/24/2013
ww.126889	2600437	4	8.1	09/25/2013
ww.125283	2600439	4	9.3	09/27/2013
ww.106595	2600441	5	9.9	09/27/2013
ww.182347	2600442	4	9.9	09/23/2013
ww.122944	2600443	5	12.2	12/27/2013
ww.122716	2605093	5		07/12/2013
ww.115338	2596646	4	7.3	06/25/2013
ww.121644	2477235	5	7.1	03/07/2013
ww.109792	2477233	4	11.3	03/07/2013
ww.127712	2477183	4	10.1	03/19/2013
ww.129751	2551786	4	8.7	04/19/2013
ww.119749	2551787	4	8	04/22/2013
ww.125762	2551789	4	7.2	03/21/2013
ww.119727	2551790	4	10.4	03/21/2013
ww.109808	2551791	4	10.8	03/20/2013
ww.121663	2551792	4	9.1	03/20/2013
ww.123679	2551793	4	8.5	03/20/2013
ww.103753	2551796	4	6.3	03/19/2013
ww.107792	2551797	4	8	03/19/2013
ww.109811	2551798	4	8.2	03/19/2013
ww.123683	2551799	4	6.9	03/19/2013
ww.123680	2551800	4	6.7	04/12/2013
ww.119729	2551801	4	7	04/12/2013
ww.105786	2551803	4	9.2	03/20/2013
ww.123686	2551804	4	8.7	03/27/2013
ww.129748	2551808	4	8.3	03/21/2013
ww.107788	2551819	4	10.3	04/22/2013
ww.115789	2551830	4	6.4	04/11/2013
ww.105784	2551844	4	8.7	04/12/2013
ww.123701	2551854	4	12.6	03/26/2013

2012 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.113813	2551861	4	6.8	03/26/2013
ww.105799	2551863	4	9.2	03/26/2013
ww.111785	2551864	4	9	03/27/2013
ww.117803	2551865	4	9.8	03/22/2013
ww.103789	2551996	4	8.3	03/18/2013
ww.105785	2551997	4	8.8	04/15/2013
ww.107793	2553088	4	5	04/01/2013
ww.123685	2553089	4	7.3	04/01/2013
ww.103792	2553092	4	8.8	03/18/2013
ww.119753	2553093	4	8.7	03/27/2013
ww.117806	2553094	4	10.3	03/22/2013
ww.105802	2553095	4	9.3	03/18/2013
ww.121682	2553096	4	9.2	03/18/2013
ww.115782	2553097	4	6.6	04/11/2013
ww.123671	2553098	4	8.2	03/29/2013
ww.127729	2553099	4	9	04/15/2013
ww.119720	2553100	4	8.9	04/15/2013
ww.123670	2553101	4	11.1	04/01/2013
ww.104890	2553102	4	8.1	03/14/2013
ww.112937	2553103	4	7.5	03/14/2013
ww.115784	2552104	4	7.5	03/14/2013
ww.117805	2553108	4	8.1	03/14/2013
ww.124856	2553109	4	8.2	03/13/2013
ww.109824	2553110	4	6.7	03/13/2013
ww.118856	2553113	4	7.3	03/11/2013
ww.122774	2553130	4	8.7	03/11/2013
ww.122773	2553148	4	7.1	03/13/2013
ww.131798	2553157	4	6.8	04/08/2013
ww.105804	2553158	4	7.2	04/08/2013
ww.121685	2553159	4	9.1	04/11/2013
ww.119755	2553161	4	8.1	04/08/2013
ww.127766	2553162	4	9.6	03/29/2013
ww.123703	2553163	4	8.9	04/02/2013
ww.108918	2553164	4	7.8	04/02/2013
ww.120844	2553165	4	8.4	04/11/2013
ww.119754	2553167	4	8.4	04/02/2013
ww.119752	2553169	4	9	04/02/2013
ww.131796	2553170	4	7.4	04/08/2013
ww.127764	2553173	4	7.5	03/13/2013
ww.114946	2586270	4	5	06/11/2013
ww.118858	2586272	4	6.2	06/11/2013
ww.128854	2586268	4	7.3	06/05/2013
ww.114945	2586269	4	5.9	06/05/2013
ww.120843	2586271	4	7.4	06/11/2013
ww.125444	2523216	4	3.4	02/01/2013
ww.131452	2523278	4	2.5	02/14/2013
ww.121398	2523305	4	7.5	02/01/2013
ww.131451	2523307	4	4	02/14/2013
ww.103101	2523308	4	9.1	02/01/2013
ww.119422	2523309	4	6.5	02/14/2013
ww.105473	2523310	4	9.2	02/01/2013
ww.113516	2523312	4	9.1	02/14/2013
ww.131437	2523314	4	7.5	01/31/2013
ww.105471	2523316	4	5.4	02/07/2013

2012 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.117474	2523319	5	16.3	01/28/2013
ww.109498	2523320	4	7.4	01/31/2013
ww.121382	2523321	4	8.3	01/31/2013
ww.111447	2523323	4	7.7	01/01/2013
ww.103095	2523325	4	6.4	02/07/2013
ww.111448	2523326			03/04/2013
ww.113595	2523327		6x6x9	01/09/2013
ww.111543	2523328	5	9	01/09/2013
ww.123466	2523356	5	6.6	01/09/2013
ww.131547	2523373	5	7.2	01/10/2013
ww.117554	2523392	5	7.5	01/10/2013
ww.111544	2523412		10x10x8.5	01/16/2013
ww.109588	2523438	5	13	01/11/2013
ww.121463	2523441	5	7.5	01/11/2013
ww.131548	2523442	4	15.5	01/25/2013
ww.107566	2523443	4	11.6	01/22/2013
ww.131549	2523444	5	7.5	01/22/2013
ww.103278	2523445	4	12.4	01/18/2013
ww.119510	2523447	5	10.2	01/18/2013
ww.117557	2523448	4	11.8	01/25/2013
ww.119508	2534123			02/08/2013
ww.105467	2541645	4	10	01/29/2013
ww.122771	2590256	4	8.75	06/25/2013
ww.106876	2590257	4	7.3	06/19/2013
ww.101981	2590258	4	5.5	06/19/2013
ww.122775	2590259	4	8.25	06/05/2013
ww.110906	2590260	4	6.7	06/25/2013
ww.124855	2590261	4	5.2	06/25/2013
ww.127784	2549901	4	8	05/17/2013
ww.131819	2549902	4	8.3	05/20/2013
ww.121701	2549898	4	9.2	04/22/2013
ww.113832	2549897	4	8.75	04/01/2013
ww.129779	2549899	4	7.7	04/22/2013
ww.129776	2549891	4	9.9	05/17/2013
ww.105812	2549895	4	10	03/19/2013
ww.107826	2549892	4	7.3	04/05/2013
ww.123715	2549894	4	9.7	04/01/2013
ww.119770	2549893	4	7.5	04/05/2013
ww.111800	2549889	4	5.2	03/19/2013
ww.127775	2549890	4	5.3	03/19/2013
ww.117820	2549904	4	15.5	05/15/2013
ww.127775	2549890	4	9.6	03/19/2013
ww.121700	2549896	4	5.3	03/20/2013
ww.109834	2549920	4	9	06/11/2013
ww.123706	2549919	4	11.3	05/22/2013
ww.115814	2549921	4	10.2	05/22/2013
ww.119760	2549918	4	13	05/28/2013
ww.119747	2549916	4	11	05/22/2013
ww.131803	2549917	4	11.6	05/28/2013
ww.131805	2549922	4	11.5	05/28/2013
ww.109830	2549966	4	9	05/29/2013
ww.113826	2549965	4	7.6	05/29/2013
ww.103787	2549962	4	8.2	05/29/2013
ww.107802	2549961	4	8.8	06/04/2013

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.119745	2549964	4	7.7	06/03/2013
ww.103786	2549963	4	8.7	06/03/2013
ww.113807	2549960	4	13.5	08/22/2013
ww.131786	2549959	4	17.3	08/22/2013
ww.107798	2549958	4	6.2	06/04/2013
ww.103765	2549957	4	6.2	06/04/2013
ww.117393	2562590	4	5.7	04/25/2013
ww.115429	2562591	4	7	04/30/2013
ww.102911	2562592	4	7.5	04/30/2013
ww.131366	2562594	4	10.1	04/25/2013
ww.115451	2562595	4	6.9	05/03/2013
ww.129404	2562596	4	8.6	04/24/2013
ww.123349	2562597	4	11	04/24/2013
ww.127417	2562598	4	9.3	05/03/2013
ww.103044	2562599	4	5.6	04/29/2013
ww.103045	2562600	4	9.3	05/03/2013
ww.127416	2562661	4	5.3	04/24/2013
ww.129403	2562662	4	6.6	04/24/2013
ww.123303	2562666	4	8.8	04/25/2013
ww.123338	2562667	4	6.2	04/26/2013
ww.129396	2562669	4	8.7	04/26/2013
ww.105438	2562676	4	7.3	04/26/2013
ww.131404	2562677	4	10.3	04/26/2013
ww.109467	2562678	4	7.2	04/30/2013
ww.131367	2562679	4	7.5	04/25/2013
ww.125399	2562680	4	7.7	04/29/2013
ww.111371	2562681	4	7.1	05/24/2013
ww.107401	2572182	4	9.1	05/24/2013
ww.117457	2596642	4	6	08/26/2013
ww.111442	2596619	4	6.4	08/29/2013
ww.123354	2596618	4	10.2	07/09/2013
ww.123345	2596615	4	9.7	07/09/2013
ww.119404	2596641	4	8.2	07/09/2013
ww.105449	2596644	4	8.7	08/14/2013
ww.129397	2596614	4	12	08/29/2013
ww.125399	2562680	4	7.5	04/29/2013
ww.127419	2596638	4	7	08/28/2013
ww.105452	2596634	4	11	08/27/2013
ww.103059	2596635	4	7.5	08/28/2013
ww.103057	2596630	4	8.3	11/07/2013
ww.119392	2596617	4	5.3	08/14/2013
ww.127410	2596616	4	8	09/09/2013
ww.111426	2596636	4	6	08/16/2013
ww.103056	2596637	4	4	07/02/2013
ww.103035	2596622	4	7.3	08/27/2013
ww.113489	2596623	4	19.3	08/27/2013
ww.103060	2596624	4	20.8	08/26/2013
ww.113490	2596625	4	17.5	08/19/2013
ww.113491	2596627	4	6.7	08/02/2013
ww.125402	2596645	4	6.7	08/29/2013
ww.111426	2596636	4	6.1	08/16/2013
ww.111427	2596626	4	4	08/26/2013
ww.121361	2610051	4	6.7	07/02/2013
ww.103061	2596628	4	4.25	08/28/2013

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.121298	2586297	4	6.5	06/24/2013
ww.129298	2586299	4	8.6	06/24/2013
ww.111352	2586294	4	6.7	07/02/2013
ww.109408	2586295			08/21/2013
ww.113403	2586298			08/21/2013
ww.119330	2586296			07/30/2013
WW.102864	2648577	4	13.2	10/25/2013
WW.131310	2648579	4	10.2	11/08/2013
WW.123244	2648580	4	9.1	12/11/2013
WW.102815	2648590	4	5.8	12/16/2013
WW.105313	2648591	4	9.4	12/16/2013
WW.109391	2648593	4	12.5	10/25/2013
WW.102831	2648594	4	8.6	12/10/2013
WW.105322	2648595	4	7.6	12/10/2013
WW.131312	2648596	4	6.8	12/10/2013
WW.111317	2648597	4	6.2	11/08/2013
WW.121271	2648598	4	13.7	11/08/2013
WW.115395	2648599	4	11.4	11/08/2013
WW.127336	2648601	4	7.4	10/25/2013
WW.131300	2648602	4	12	11/25/2013
WW.129308	2648604	4	4.1	11/08/2013
WW.113371	2648605	4	6.2	11/08/2013
WW.129353	2648606	5	6.6	12/11/2013
WW.113374	2648607	5	8.1	12/10/2013
WW.121305	2648608	4	9	12/16/2013
WW.115303	2626634	4	8	09/23/2013
WW.115303	2626634	4	8	09/23/2013
WW.119248	2626636	4	8	09/23/2013
WW.109431	2632181	4	10	10/10/2013
WW.115444	2632182	4	5	10/11/2013
WW.108177	2626534	4	4.9	09/17/2013
WW.124074	2626533	4	5.9	09/11/2013
WW.110161	2626532	4	7	09/11/2013
WW.122031	2626531	4	6	09/18/2013
WW.118144	2623530	4	6.7	09/18/2013
WW.116146	2626528	4	4.5	09/10/2013
WW.105249	2626529	4	10	09/17/2013
WW.111268	2636374	4	6.6	11/01/2013
WW.131257	2633675	4	7.3	11/01/2013
WW.121175	2636376	4	7	10/14/2013
WW.131259	2636371	4	7.3	10/11/2013
WW.111234	2636377	4	7.5	10/23/2013
WW.102745	2636372	4	9	11/08/2013
WW.105276	2636373	4	7	11/01/2013
ww.129394	2653380			12/12/2013
Total				263