



RECEIVED

DEPARTMENT OF PLANNING
AND DEVELOPMENT

229 West 12th Street, Pueblo, CO 81003-2810-719-583-6100

via E-mail January 29, 2015

1041 2008-002



January 28, 2015

Michael J. Ryan
Regional Director
Great Plains Regional Office
Bureau of Reclamation
P.O. Box 36900
Billings, MT 59107-6900

Subject: Southern Delivery System Permit Compliance Annual Report (Calendar Year 2014)

Mr. Ryan:

Colorado Springs Utilities, the Southern Delivery System (SDS) Project Manager, hereby submits the attached Permit Compliance Annual Report for Calendar Year 2014. Submittal of this report demonstrates the SDS Project's progress in successfully implementing the commitments prescribed in the SDS ROD, Reference No.: GP-2009-01, , as well as meeting the annual reporting requirements for other programmatic permits and approvals.

Please contact me at 719-668-8037, or Mark Pifher at 719-668-8693, with any questions regarding the attached report.

Sincerely,

John A. Fredell
Southern Delivery System Program Director

Enclosure

cc: City of Fountain, Curtis Mitchell, Director of Utilities
Colorado Department of Public Health and Environment, Steven Gunderson, Director,
Water Quality Control Division
Colorado Parks and Wildlife, Dan Prenzlów, Regional Manager, Southeast Region
Fountain Creek Watershed Flood Control and Greenway District, Larry Small, Executive
Director
Pueblo County Planning & Development, Joan Armstrong, Director
Pueblo West Metropolitan District, Scott Eilert, Director of Utilities
Security Water and Sanitation District, Roy Heald, District Manager
U.S. Army Corps of Engineers, Antoinette Gant, Lieutenant Colonel, U.S. Army, District
Commander

Southern Delivery System Permit Compliance Annual Report Calendar Year 2014

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**

January 2015

Contents

Section	Page
Contents.....	i
Acronyms and Abbreviations	ii
Executive Summary.....	ES-1
Purpose	ES-1
Reporting Requirements.....	ES-2
Summary of SDS Activities During this Reporting Period	ES-2
Future SDS Activities.....	ES-2
1.0 Introduction.....	1-1
1.1 Purpose	1-1
1.2 Southern Delivery System Project Overview	1-2
1.3 SDS Participant Information.....	1-4
1.3.1 SDS Participants	1-4
1.4 Southern Delivery System Project Regulatory Review Process.....	1-4
2.0 Listing of Permit Compliance Reporting Requirements for SDS.....	2-1
3.0 Summary of SDS Activities Undertaken During the Reporting Period.....	3-1
4.0 Future SDS Activities	4-1
5.0 References.....	5-1

Figures

- 1 Southern Delivery System Project Plan

Attachments

- 1 Implementation Progress Matrix
- 2 Monthly Average Flow Data from USGS Gauge Station
- 3 Water Quality Monitoring Data
- 4 Complaint Log
- 5 Emergency Response Log
- 6 Log of Work Occurring During Non-Typical Work Hours
- 7 Expenditures for Wastewater System Improvements Annual Report for 2014

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
DSD	Development Services Department
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 seven programmatic permits/approvals that are in place to identify the annual reporting requirements of each. The following five 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
- El Paso County 1041 Permits
 - Development Services Department, File No. AASI-13-002, Southern Delivery System Finished Water Section 1C, Administratively Approved January 2, 2014
 - Development Services Department, File No. AASI-13-005, Southern Delivery System Finished Water Section 3, Administratively Approved January 29, 2014
 - Development Services Department, File No. AASI-14-001, Southern Delivery System Raw Water Pipeline Section S4AC, Administratively Approved February 18, 2014
- 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 all pipeline work packages began or continued, during the reporting period, with approximately 48 miles of pipeline installed. Construction of the water treatment plant and the raw water pump stations continued during the reporting period.

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 was completed for 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.

Class 3 surveys were completed at the Upper Williams Creek Reservoir site and eligible sites were treated.

Future SDS Activities

Anticipated activities for 2015 include completion of all pipelines and facilities, initial startup and commissioning for purposes of testing, system integration, and 30% design of UWCR.

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
- El Paso County 1041 Permits
 - Development Services Department, File No. AASI-13-002, Southern Delivery System Finished Water Section 1C, Administratively Approved January 2, 2014
 - Development Services Department, File No. AASI-13-005, Southern Delivery System Finished Water Section 3, Administratively Approved January 29, 2014
 - Development Services Department, File No. AASI-14-001, Southern Delivery System Raw Water Pipeline Section S4AC, Administratively Approved February 18, 2014
- 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 eight 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:

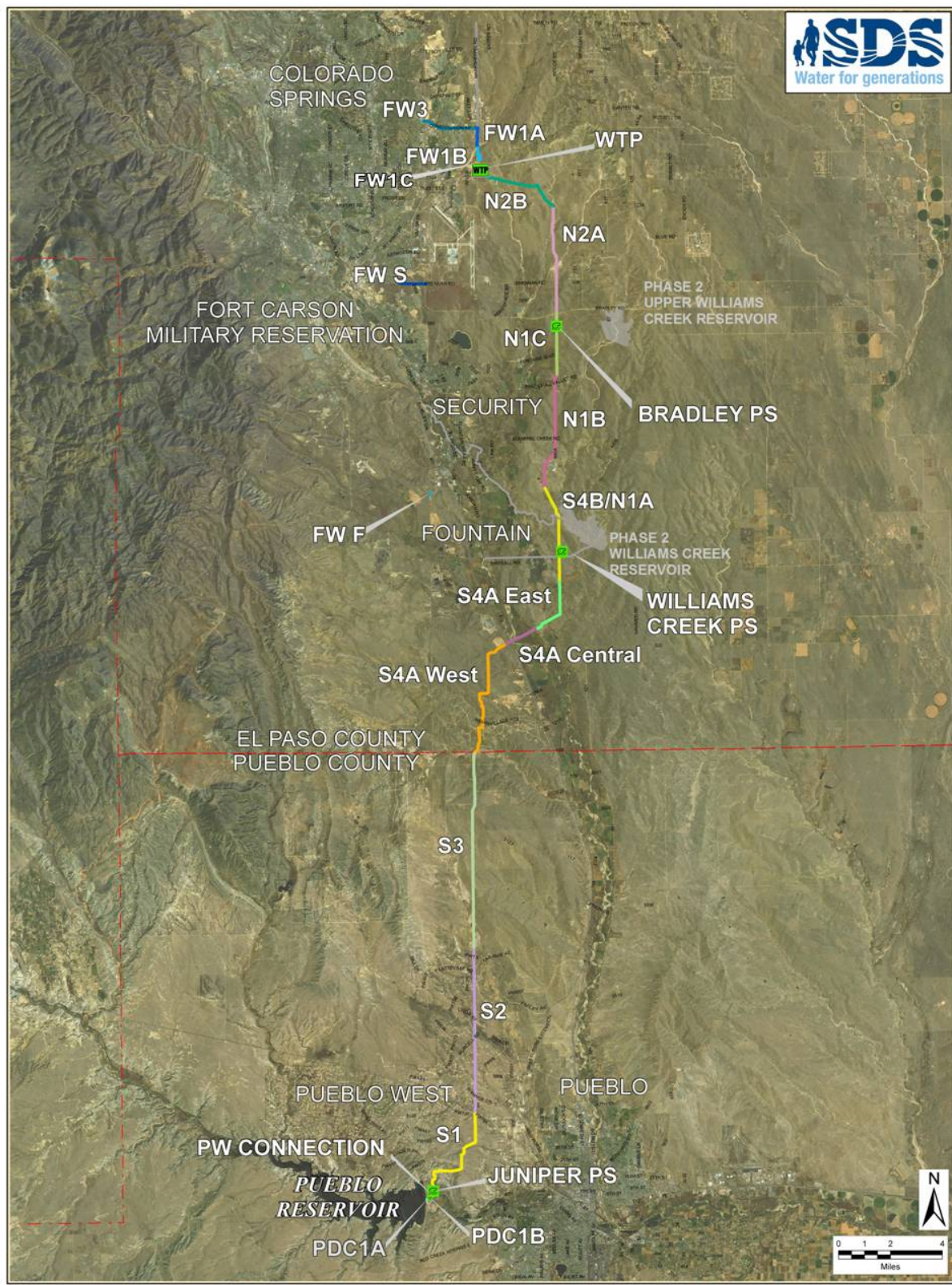
- 45 miles of raw water pipeline (66- and 72-inch diameter)
- Two 78-million-gallon-per-day (mgd) raw water pump stations and one 50-mgd raw water pump station (expandable in Phase 2)
- A water treatment plant (WTP) with a capacity of 50 mgd (expandable in Phase 2)
- Approximately seven miles of finished 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, Site Development Plan, and 1041 Permit 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 six programmatic permits and approvals received for SDS that have annual reporting requirements 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 Data 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
- Attachment 7 - Expenditures for Wastewater System Improvements Annual Report for 2014

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 third year of monitoring of the wetlands was completed and monitoring results were reported to the USACE. The performance goals for the wetlands were met and approval of establishment and completion from the USACE was requested. 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 during the reporting period included maintenance of stormwater best management practices (BMPs), irrigation and vegetation maintenance. The location of PDC1A is shown on Figure 1.

PDC1B

Construction of PDC1B began in August 2013 and was completed in 2014. 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 were completed in 2013, while vegetation restoration and maintenance activities continued in 2014. Activities at S1 included BMP maintenance, 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 were completed in 2013, while vegetation restoration and maintenance activities continued in 2014. Activities at S2 included maintenance of BMPs, 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 were completed in 2013, while vegetation restoration and maintenance activities continued in 2014. Activities included maintenance of BMPs, seeding, mulching, and installation and testing of an irrigation system, as well as maintenance of the revegetation. Colorado Springs Utilities has been performing additional work along S3 in an effort to address damage from rainstorms during the 2014 growing season. 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 2014. 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

SDS construction activities on the S4A Central Pipeline continued in 2014. Construction activities include installation and maintenance of BMPs, tunneling, pipe installation, grouting, welding, dewatering, and fiber optic installation. The location of the S4A Central Pipeline is shown on Figure 1.

S4B/N1A/N1B

SDS construction activities on the S4B/N1A/N1B Pipeline were completed in 2013, while vegetation restoration and maintenance activities continued in 2014. Activities included maintenance of BMPs and vegetation restoration. The location of the S4B/N1A/N1B Pipeline is shown on Figure 1.

N1C/N2A

Construction for the N1C/N2A Pipeline was completed in 2013, while vegetation restoration and maintenance activities continued in 2014. Activities included BMP maintenance, fence repair, seeding and mulching. The location of the N1C/N2A Pipeline is shown on Figure 1.

N2B

Construction activities began in July 2014. Construction activities included BMP installation and maintenance, clearing, grubbing, grading, excavation, dewatering, CLSM placement, pipe installation, welding, grouting, and backfill. The location of the N2B Pipeline is shown on Figure 1.

FW1B

FW1B was completed in 2012. Repair work on the detention pond was completed in 2014 and included installation of buried riprap, an erosion control blanket, grading and seeding. The location of the FW1B Pipeline is shown on Figure 1.

FW1C

Construction activities began in January 2014. Construction activities included BMP installation and maintenance, clearing, grubbing, grading, trench excavation, pipe installation, welding, grouting, backfill, installation of a vault and construction of combination air release and vacuum valves (CARVs). The location of the FW1C Pipeline is shown on Figure 1.

FW3

Construction activities began in January 2014 and were completed in October 2014. Construction activities included BMP installation and maintenance, clearing, grubbing, grading, excavation, tunneling, dewatering, CLSM placement, pipe installation, welding, grouting, backfill, construction of CARVs, and hydrostatic testing. The location of the FW3 Pipeline is shown on Figure 1.

WTP

Construction of the SDS WTP continued in 2014. Activities included installation and maintenance of BMPs, excavation, installation of fiber optics, electrical work and yard piping, complete construction of the raw water tank and backwash recovery lagoons, partial construction of the process building, finished water pump station, decant pump station, sediment drying beds, and delivery/installation of tanks and equipment. The construction site was proactively monitored for archeological resources during excavation activities. The location of WTP is shown on Figure 1.

RWPS

Construction of the three raw water pump stations (RWPS), Bradley Pump Station (BPS), Williams Creek Pump Station (WCPS) and Juniper Pump Station (JPS), continued in 2014. Activities included installation of BMPs, BMP maintenance, installation of fiber optics, construction of raw water tanks, installation of pipe, welding, backfill, concrete and rebar work, grading, excavation, installation of pump cans, valves, pump motors, and steel decking. The locations of the 3 RWPS are shown on Figure 1.

UWCR

Class 3 surveys were completed at the UWCR site and eligible sites were treated. The location of the UWCR is shown on Figure 1.

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 construction was completed in 2014. Activities included installation of buried rip rap, excavation, dewatering, backfilling, installation of erosion

control blanket, seed, wetlands plugs, willows and cottonwood stakes. Vegetation restoration and maintenance activities continued post construction.

- 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.
- 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 an effort to identify a sustainable, long-term funding solution for addressing stormwater control needs. City Council adopted a new Drainage Criteria Manual (DCM) in late May. A Citizens Task Force was formed to promote a ballot initiative. Although initial public polling demonstrated support for a sustainably funded regional solution, a regional stormwater ballot proposal was defeated by voters in the November, 2014 elections. Efforts to have neighboring jurisdictions adopt a form of the DCM are still being pursued, while city council continues to examine long-term stormwater funding options.

4.0 Future SDS Activities

Anticipated activities for 2015 include:

- Completion of construction on all pipelines and facilities. It is anticipated that all pipelines, RWPS, and the WTP will be substantially complete in 2015.
- Initial startup and commissioning activities will commence. Activities will include testing of all systems.
- System Integration activities will continue. Activities will include training of employees.
- 30% design of UWCR will begin in the first quarter of 2015, including geotechnical investigations.
- Pinello Wetland mitigation design and construction planned for 2015, final completion anticipated in 2016.

5.0 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.
- El Paso County. 2014. Development Services Department, File No. AASI-13-002, Southern Delivery System Finished Water Section 1C. Administratively Approved Permit Issued to Conduct a Designated Activity of State Interest or to Engage in Development in a Designed Area of State Interest in El Paso County, Colorado. January 2.
- El Paso County. 2014. Development Services Department, File No. AASI-13-005, Southern Delivery System Finished Water Section 2. Administratively Approved Permit Issued to Conduct a Designated Activity of State Interest or to Engage in

- Development in a Designed Area of State Interest in El Paso County, Colorado. January 29.
- El Paso County. 2014. Development Services Department, File No. AASI-14-001, Southern Delivery System Raw Water Pipeline Section S4AC. Administratively Approved Permit Issued to Conduct a Designated Activity of State Interest or to Engage in Development in a Designed Area of State Interest in El Paso County, Colorado. February 18.
- 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		CY2014 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, El Paso County 1041 Permits, 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		CY2014 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 132.6 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
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 4 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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. CSU, in conjunction with USGS, has been performing geomorphological monitoring.</p> <p>The Fountain Creek realignment was completed in 2014, which included drop control structures, channel grading, installation of buried rip rap, erosion control blanket, seed, wetlands plugs, willows and cottonwood stakes.</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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 (CWCBC) 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 CWCBC, 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 CWCBC 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 have been mitigated on-site through the implementation of the NWP 12 requirements. Areas with temporary impacts have been re-seeded and to date have shown satisfactory establishment.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 construction was initiated in September 2011 and completed in April 2012. Monitoring of this wetland continued in 2014 and performance goals established for the wetland were met. Approval/Completion of the project has been requested from USACE. Approximately 5.5 acres of non-jurisdictional wetlands mitigation were 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 in association with the design of the compensatory wetland mitigation project. The Fountain Creek realignment was completed in 2014, which included drop control structures, channel grading, and included the creation of approximately 5.5 acres of wetlands that were planted with wetlands plugs, willows and cottonwood stakes.	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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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, PDC1B, S1, S2, S3, S4A West, S4A East, S4B/N1A, N1B, N1C, N2A, FW1A, FW1B, and FW3 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 were completed for each of the work packages. The results of these surveys were 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 have been incorporated into the construction contract documents as necessary.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 have been 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 have been completed as part of the final design for each of the work packages. The results of these surveys were 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 were completed as part of the final design for each of the work packages. The results of these surveys were 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 were completed as part of the final design for each of the work packages. No Lewis' woodpecker nests were identified.	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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 has been 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 has been incorporated into the construction contract documents for each of the work packages, as applicable.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 has been 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 has been 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 have been 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 has been 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 has been 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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 has been 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 has been 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 has been 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 has been 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 have been 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 has been 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 has been 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 has been 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 has been 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 has been 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 have been 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 has been 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 has been incorporated into the construction contract documents for each of the work packages, as applicable.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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 has been 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 has been 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 has been 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 has been 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 has been 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 has been 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 have been 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 has been 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 has been 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, PDC1B, S1, S2, S3, S4A West, S4A East, S4B/N1A, N1B, N1C, N2A, FW1A, FW1B, and FW3 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 have been 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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 has been 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 has been 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 has been 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 has been 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 have been 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 date.	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, El Paso County 1041 Permits, 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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
El Paso County - 1041 Permits			
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, El Paso County 1041 Permits, 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 permit conditions	Compliance with the permit conditions is being documented through the Site Development Plan processes for each work package that received a 1041 Permit. The Site Development Plan was approved for finished water pipeline segment FW1C on January 24, 2014, for finished water pipeline segment FW3 on January 29, 2014, and for the S4A Central pipeline on February 18, 2014.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Annual Report Requirement, Sub-Bullet b	State Inspection Reports	There were no state inspections at FW1C, FW3, or S4A Central during the reporting period.	No
Annual Report Requirement, Sub-Bullet c	Federal Inspection Reports	There were no federal inspections at FW1C, FW3, or S4A Central during the reporting period.	No
Annual Report Requirement, Sub-Bullet d	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 e	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 f	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 g	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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Annual Report Requirement, Sub-Bullet h	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
Annual Report Requirement, Sub-Bullet i	Vegetation monitoring report (status of revegetation efforts)	Revegetation efforts have begun for FW3 work packages. A contractor will conduct surveys and provide reports in the coming year on the revegetation coverage and diversity.	No
Annual Report Requirement, Sub-Bullet j	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 k	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 l	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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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 was submitted to Pueblo County on January 31, 2014. The report for 2014 is being prepared and will be submitted to Pueblo County on or about January 30, 2015.	Attachment 7 - Expenditures for Wastewater System Improvements Annual Report for 2014
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 2013, 1st Quarter 2014, 2nd Quarter 2014, and 3rd Quarter 2014 during this reporting period. The report for 4th Quarter 2014 is being prepared and will be submitted to Pueblo County by January 31, 2015.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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. cc. Copies of the annual reports on the SDS Project submitted to Reclamation. 	Colorado Springs Utilities has prepared and submitted a quarterly report for 4th Quarter 2013, 1st Quarter 2014, 2nd Quarter 2014, and 3rd Quarter 2014 during this reporting period. The report for 4th Quarter 2014 is being prepared and will be submitted to Pueblo County by January 31, 2015. Copies of the quarterly reports are being provided to the BOR.	No

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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 2014 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

ATTACHMENT 1

Annual Implementation Progress Matrix

Reporting Requirements		CY2014 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>	<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.</p>	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: 2013-10-01 -> 2014-09-30)												Annual Average Flow	Long-Term Average Annual Simulated Streamflow		
	Period-of-record for statistical calculation restricted by user															
	2013			2014												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
Mean of Monthly Discharge	175	138	99	81.7	115	107	85.6	113	80.5	328	207	60.8	132.6	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	Note	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Note	Total coliform	Note	Ammonia	Note	Selenium	Note
Standards (if applicable)										126				See Note		17.4	
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	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20131113	333		649	10.6	8.4	481	9.1	4.7	18		650		0.02		7.3	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20131204	55		639	11.9	8.7	639	4.7	0.2	6		190		0.02		15.8	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140113	58		646	13.5	8.8	639	3.3	2.1	3		100		< 0.02		20.3	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140219	67		638	13.1	8.8	621	8	4.1	4		47		< 0.02		17.7	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140303	70		644	13.1	8.7	604	2.9	7.6	1		110		0.03		15.7	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140401	159		638	11.8	8.7	546	8.3	3.3	2		100		< 0.02		11.9	
Selenium Standard Change *Updated Rule 20140430																	17.1
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140512	364		649	11.1	8.6	472	9.4	0.7	18		2400		< 0.02		8.5	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140603	4860		642	9.3	8.3	407	13.4	13	11		1400		0.099	*12	5	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140702	1360		651	8.7	8.4	271	16.5	15	44		2400		< 0.02		2.6	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140812	867		649	8.3	8.2	322	19.6	14	26		> 2400		0.02		4.5	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20140902	343		645	8.6	8.7	348	21.7	5.5	14		> 2400		0.05	*13	4.7	
Standards (if applicable)										126				See Note		4.6	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20131022	25.0		614	10.9	8.1	288	6.2	45	130		520		< 0.02		0.2	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20131112	21.0		621	10.5	8.2	339	4.7	63	54		2400		0.02		0.2	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20131203	15		599	10.4	8.1	351	4.2	0.3	66		170		< 0.02		0.17	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140109	11		604	10.9	8.2	360	2.2	0.2	130		390		< 0.02		0.2	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140211	5.9		609	10.7	8.2	467	2.1	8.6	44		170		< 0.02		0.24	*30
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140304	8.1		606	10.6	8.4	437	4.5	7.7	170		960		E 0.01		0.2	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140402	6.9		602	10.1	8.3	445	5.6	2.6	38		140		< 0.02		0.2	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140508	10		605	9.1	8.3	393	9.4	57	770		2400		< 0.02		0.2	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140605	9.9		611	8.1	8.7	329	13.9	60	270		10000		< 0.02		0.16	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140710	8.5		611	7.7	8.3	430	16	22	1000		8700		< 0.02		0.16	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140811	20		618	8.5	8.2	298	12.1	180	1700		24000		0.07		0.16	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20140903	9.9		608	7.5	8.3	444	17.3	15		*2		*7	< 0.02		0.17	

Location	Date	Flow	Note	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Note	Total coliform	Note	Ammonia	Note	Selenium	Note
Standards (if applicable)										126				See Note		4.6	
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	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20131112	31		625	11	8.6	642	7.1	9.3	96		1100		0.18		2.2	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20131203	35		602	11.3	8.6	768	5.7	33	140		1600		0.08		3.3	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140109	25		609	10.5	8.2	910	2.1	24	52		980		0.72	*14	3.9	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140211	29		613	11.2	8.3	939	2.9	13	690		1100		E 0.08		3.5	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140304		*1	610	10.4	8.4	725	5.5	23	100		770		0.28		3.3	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140402	58		606	9.6	8.2	606	7.8	170	93		210		E 1.52	*15	2.2	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140508	44		609	8.3	8.3	513	13.9	28	31		1300		0.19		1.7	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140605	62		614	7.5	8.8	482	19.2	150	490		14000		0.15		1.8	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140708	18		620	7.8	8.4	696	17.4	9.5	380		24000		0.05		3.3	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140813	39		618	7.2	8.4	629	22.6	54	930		24000		0.03		2.2	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20140903	42		611	6.9	8.5	623	25.1	28		*3		*8	0.2		2.2	
Standards (if applicable)										126				See Note		8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20131023	61		618	10.2	8.2	573	6.7	15	200		E 2400		0.02		1.7	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20131114	69		615	9.9	8.5	602	8.2	23	100		1100		0.03		1.9	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20131203	54		602	9.9	8.4	682	7.6	25	81		1400		0.06		2.3	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140108	49		614	10.7	8.3	788	3	45	39		730		0.39		2.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140212	50		613	10.2	8.1	777	5.6	20	60		380		E 0.1		2.7	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140304	46		610	9.5	8.3	672	8.3	24	160		550		0.37		2.3	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140402	53		606	8.4	8.2	607	12.5	76	260		870		1.08	*16	1.9	
Selenium Standard Change *Updated Rule 20140430																	4.8
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140509	53		613	9.3	8.1	596	8.3	32	690		2400		0.06		2.2	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140605	73		615	7	8.7	504	21.8	67	210		12000		0.09		1.5	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140708	28		619	7.7	8.2	754	17.5	9.3	440		13000		0.03		3	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140813	72		619	7.1	8.3	556	22.8	54	460		12000		0.03		1.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20140904	49		616	7.3	8.3	656	21.7	43	860		24000		0.04		2.3	
Standards (if applicable)										126				See Note		8	
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	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20131114	84		617	9.6	8.3	686	12.1	3.1	120		1700		0.04		2.2	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20131210	68		616	10.3	8.1	757	7.5	4.6	260		2000		0.06		2.2	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140108	51		617	10.4	8.3	808	8.4	8.9	81		1300		0.22		2.6	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140212	108		618	9.9	8	797	8.9	3.9	160		2400		E 0.33	*17	2.7	*31
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140305	99		619	9.6	8.1	730	12	90	37		980		0.41		2.5	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140404	98		E 618	9.8	8.1	718	9	30	120		2400		0.8	*18	2.1	
Selenium Standard Change *Updated Rule 20140430																	4.8
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140513	79		625	9.2	8.2	703	11.6	8.5	210		2400		0.09		1.9	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140609	115		619	8	8.3	545	17	83	210		2400		0.05		1.9	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140709	89		619	7.5	8	653	20.8	65	960		24000		0.05		2	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140814	98		618	7.5	8.2	663	21.2	14	390		5800		0.05		2.3	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20140903	100		614	7.1	8.2	693	23.8	16		*4		*9	0.05		2.4	

Location	Date	Flow	Note	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Note	Total coliform	Note	Ammonia	Note	Selenium	Note
Standards (if applicable)										126				See Note			8
FOUNTAIN CREEK AT SECURITY, CO	20131023	166		624	8.4	8.4	740	15.6	25	E 160		> 2400		0.23		2.6	
FOUNTAIN CREEK AT SECURITY, CO	20131114	89		620	9.0	8.4	758	12.4	13	65		2400		0.31		2.7	
FOUNTAIN CREEK AT SECURITY, CO	20131210	54		620	10.8	8.3	863	2.9	15	93		2400		0.54		2.9	
FOUNTAIN CREEK AT SECURITY, CO	20140108	65		620	10	8.4	916	6.1	16	43		690		0.7		3.4	
FOUNTAIN CREEK AT SECURITY, CO	20140218	81		618	10	8.1	821	6.2	26	96		1000		E 1.24	*19	3.1	
FOUNTAIN CREEK AT SECURITY, CO	20140305	91		623	8.9	8.4	820	11.9	20	12		290		0.62		3.2	
FOUNTAIN CREEK AT SECURITY, CO	20140404	107		623	8.8	8.1	811	9.8	73	52		2400		E 1.21	*20	2.9	
Selenium Standard Change *Updated Rule 20140430																	4.8
FOUNTAIN CREEK AT SECURITY, CO	20140513	88		630	8.8	8.5	792	13.1	24	78		1600		0.28		2.5	
FOUNTAIN CREEK AT SECURITY, CO	20140605	69		621	6.6	8.8	673	25.3	38	74		7700		0.21		2.5	
FOUNTAIN CREEK AT SECURITY, CO	20140709	76		624	6.8	8.3	735	24.8	180	1300		20000		0.14		2.6	
FOUNTAIN CREEK AT SECURITY, CO	20140818	112		623	7.2	8.3	705	21.9	27	230		12000		0.17		2.5	
FOUNTAIN CREEK AT SECURITY, CO	20140904	82		622	7.4	8.4	806	21.8	27	260		7300		0.25		3.2	
Standards (if applicable)										126				See Note			8
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20131021	140		629	8.4	8.3	852	15.1	32	210		> 2400		0.02		3.2	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20131112	134		638	9.1	8.4	844	12.0	22	15		1300		0.02		3.0	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20131203	119		615	9.3	8.2	926	10.2	23	18		690		0.06		3.2	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140109	65		621	10.3	8.2	1010	5.7	20	8		490		0.17		3.8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140211	100		626	9.5	8.1	1010	7.2	180	12		650		E 0.49	*21	3.9	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140305	83		630	8.5	8.3	934	13.7	93	3		210		E 0.07		3.4	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140404	121		628	7.7	8.1	929	14.3	110	51		2000		E 0.4		3.3	
Selenium Standard Change *Updated Rule 20140430																	4.8
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140506	73		618	7	8.3	911	21.6	26	54		310		0.02		3.3	*32
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140604	105		627	6.6	8.4	824	25.8	37	10		7700		0.02		2.7	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140707	69		628	6.9	8.4	937	25.2	18	600		5800		0.02		3.1	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140813	83		630	6.3	8.3	906	28.5	27	52		3600		0.02		2.8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20140904	75		627	7.9	8.2	876	16.5	39	160		16000		0.04		3	
Standards (if applicable)										126				See Note			8
FOUNTAIN CREEK NEAR PINON, CO	20131024	E 135		642	9.3	8.2	985	11.0	55	39		2000		< 0.02		2.9	
FOUNTAIN CREEK NEAR PINON, CO	20131118	156		638	10.3	8.3	941	6.3	90	110		> 2400		E 0.02		3.0	
FOUNTAIN CREEK NEAR PINON, CO	20131211	92		643	11.6	8.2	1050	0.7	88	28		1700		E 0.1		3.8	
FOUNTAIN CREEK NEAR PINON, CO	20140114	68		642	11	8.2	1110	4.1	54	11		1300		0.1		4.5	
FOUNTAIN CREEK NEAR PINON, CO	20140213	142		632	9.7	8.3	1050	7.5	120	23		1000		E 0.07		4.2	*33
FOUNTAIN CREEK NEAR PINON, CO	20140306	105		633	9	8.3	1040	11.9	65	10		250		< 0.02		3.9	
FOUNTAIN CREEK NEAR PINON, CO	20140407	76		638	8.9	8.3	1050	12.3	78	15		1000		E 0.02		4.1	
Selenium Standard Change *Updated Rule 20140430																	4.8
FOUNTAIN CREEK NEAR PINON, CO	20140514	50		644	8.9	8.2	1070	13.6	56	37		2000		< 0.02		4.7	
FOUNTAIN CREEK NEAR PINON, CO	20140609	116		637	7	8.4	918	22.8	82	450		20000		0.02		3.6	
FOUNTAIN CREEK NEAR PINON, CO	20140707	39		635	6.5	8.4	1070	28.5	63	210		5200		0.03		0.67	
FOUNTAIN CREEK NEAR PINON, CO	20140818	115		637	7.6	8.3	932	17.3	230	700		> 24000		0.02		3	
FOUNTAIN CREEK NEAR PINON, CO	20140903	72		634	7.4	8.3	989	20.2	110		*5		*10	0.02	*22	3.2	

Location	Date	Flow	Note	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Note	Total coliform	Note	Ammonia	Note	Selenium	Note
Standards (if applicable)										126				See Note		28.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20131021	160		646	9.5	8.4	1110	14.3	100	46		> 2400		< 0.02		6.5	
FOUNTAIN CREEK AT PUEBLO, CO.	20131118	160		644	10.0	8.4	1120	9.1	95	130		2400		E 0.01		6.2	
FOUNTAIN CREEK AT PUEBLO, CO.	20131204	105		636	11.6	8.4	1230	1.5	50	29		1600		0.03		7.2	
FOUNTAIN CREEK AT PUEBLO, CO.	20140114	67		649	11.4	8.4	1270	5.3	36	2		410		0.04		10.3	
FOUNTAIN CREEK AT PUEBLO, CO.	20140210	142		644	12.1	8.4	1290	0.1	120	30		1600		E 0.17	*23	8.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20140306	102		638	9.2	8.4	1180	11.8	67	8		360		0.03		8.2	
FOUNTAIN CREEK AT PUEBLO, CO.	20140407	94		645	8.7	8.4	1210	14	62	1		570		E 0.02		10	
FOUNTAIN CREEK AT PUEBLO, CO.	20140514	59		649	8	8.5	1260	18.3	40	9		600		0.03		12.8	
FOUNTAIN CREEK AT PUEBLO, CO.	20140604	82		640	6.5	8.5	1110	27.1	84	52		12000		0.02		8.9	
FOUNTAIN CREEK AT PUEBLO, CO.	20140702	E 38		650	8.3	8.7	1350	17.9	39	98		2900		0.02		15.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20140812	230		647	6.7	8.3	967	26.6	240	630		> 24000			*24	6.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20140902	76		641	6.7	8.4	1190	26.2	70	52		7700		0.1	*25	9.3	
Standards (if applicable)										126				See Note		14.1	
ARKANSAS RIVER NEAR AVONDALE, CO.	20131021	426		651	9.3	8.4	870	12.8	35	45		2400		< 0.02		10.0	
ARKANSAS RIVER NEAR AVONDALE, CO.	20131113	645		653	10.1	8.3	744	7.4	36	28		1400		< 0.02		8.2	
ARKANSAS RIVER NEAR AVONDALE, CO.	20131216	277		649	11.5	8.4	977	6.5	24	13		920		0.05		12.4	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140113	257		646	11.9	8.5	997	2.7	16	13		330		0.04		14.1	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140210	309		648	11.6	8.6	1080	0.5	62	38		870		E 0.14		14.9	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140303	327		649	11.6	8.5	974	0.4	53	2		290		E 0.14		12.5	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140401	350		639	10	8.5	875	13.4	28	6		210		< 0.02		13.3	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140512	563		652	9.5	8.4	695	10.3	20	35		2400		< 0.02		10.4	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140603	4750		644	8.3	8.4	466	14.4	70	140		4600		0.06		5.6	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140702	1410		654	7.8	8.3	382	16.9	32	75		7300		< 0.02		4.2	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140812	1440		652	7.4	8.1	545	20.5	290	630		10000		0.02		6.1	
ARKANSAS RIVER NEAR AVONDALE, CO.	20140902	608		646	7.5	8.3	614	24.7	33	63		6100		< 0.02		7	
Standards (if applicable)										126				See Note		28.1	
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	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20131113	155		647	10	8.4	1130	9.4	73	36		> 2400		0.02		6.7	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20131211	95		650	11.6	8.3	1200	1.4	150	9		> 2400		E 0.07		8.3	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140114	85		650	10.7	8.4	1310	6.1	35	2		490		0.04		11	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140213	126		641	10.8	8.4	1210	4	100	15		730		E 0.07		8.8	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140303	116		644	10.7	8.4	1150	6.2	100	3		410		E 0.1		8.4	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140401	84		640	9.8	8.4	1270	9	46	6		210		< 0.02		10.9	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140512	50		648	9.1	8.6	1370	13.7	37	9		610		< 0.02		16.9	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140604	112		643	7.5	8.5	1110	21.7	72	140		9800		< 0.02		9.6	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140702	32		650	7.8	8.5	1450	17.3	38	200		8200		0.05		16	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140813	148		647	7.6	8.3	1070	17.7	160	370		> 24000		0.03 n		7.2	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20140902	58		646	7	8.3	1240	24.1	43	120		6900		0.04 n		11.8 d	

Location	Date	Flow	Note	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Note	Total coliform	Note	Ammonia	Note	Selenium	Note
Standards (if applicable)										126				See Note		8	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20131024	136		647	10	8.4	1120	13.0	82	30		2000		< 0.02		4.0	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20131118	143		644	10.3	8.4	1090	8.3	93	190		2400		E 0.01		3.8	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20131211	90		649	11.7	8.3	1160	2.1	110	15		1700		E 0.07	*26	4.7	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140113	83		639	10.4	8.5	1190	6	48	1		390		0.02		5.5	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140213	121		640	10.9	8.4	1170	2.2	79	25		1000		E 0.08		5.3	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140303	121		640	9.7	8.4	1100	9.5	110	16		460		E 0.11		5	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140401	84		639	10.4	8.4	1190	5.9	47	6		340		< 0.02		5.7	
Selenium Standard Change *Updated Rule 20140430																	4.8
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140514	60		650	8.3	8.4	1200	17.7	40	15		570		< 0.02		6.6	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140604	107		642	7	8.5	1030	24.1	82	110		12000		< 0.02		4.4	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140710	50		642	7.4	8.3	1210	18.8	240	200		26000		< 0.02		5.4	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140815	205		644	6.4	8.3	908	27.7	750	2600		> 24000		0.04		3.5	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20140903	58		641	7.7	8.4	1120	18	50		*6		*11	0.02		4.3	
Standards (if applicable)										126				See Note		8	
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	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20131118	135		629	10.2	8.2	757	5.6	28	63		2000		0.07		2.4	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20131211	79		634	11.7	8.3	934	0.1	27	110		1600		0.12		2.9	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140114	71		631	10.6	8.3	939	2	20	20		580		0.32	*27	3.5	*34
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140213	110		620	8.5	8.2	945	10.6	63	120		2400		E 0.47	*28	3.3	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140306	90		624	9.6	8.2	874	7.3	18	23		440		0.31		2.8	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140407	92		627	9.2	8.2	842	7.5	29	29		2400		E 0.55	*29	2.8	
Selenium Standard Change *Updated Rule 20140430																	4.8
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140506	89		618	8	8.4	812	19.9	14	11		330		0.04		2.7	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140609	134		626	7.3	8.4	747	20.7	82	130		8700		0.03		2.6	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140708	78		630	7.8	8.5	828	22.9	16	200		7700		0.03		2.4	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140814	97		627	E 6.5	8.4	849	E 26.6	22	110		4400		0.06		2.8	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20140904	83		626	7.7	8.3	818	19.2	25	120		8700		0.24		2.7	

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.

* QA Notes by #:

- *1. No data for this parameter/date from USGS/site.
- *2. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *3. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *4. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *5. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *6. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *7. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *8. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *9. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *10. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *11. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *12. Value verified by NWQL, New 5 year max.
- *13. Value verified by NWQL, New 5 year max.
- *14. Value verified by NWQL, New 5 year max.
- *15. Rerun completed by NWQL, original value acceptable. Value is a new 5 year max.
- *16. Rerun completed by NWQL, value within acceptable limits. New 5 year max.
- *17. Rerun completed by NWQL, and is within acceptable precision; Not a new max/min.
- *18. Rerun completed by NWQL, and is within acceptable precision; Not a new max/min.
- *19. Verification completed by NWQL, and value was verified; New 5 yr max.
- *20. Verification completed by NWQL, and value was verified; New 5 yr max.
- *21. Rerun completed by NWQL, and value within acceptable precision; New 5 yr max.
- *22. Value verified as of 10/29/14.
- *23. Value verified as of 10/29/14.
- *24. No data; Lab errantly deleted the LC for constituent.
- *25. Verified on 10/29/2014.
- *26. Verification completed 04/11/2014
- *27. Rerun completed by NQWL, and value within acceptable precision. Not a new min/max.
- *28. Rerun completed by NQWL, and value within acceptable precision. Not a new min/max.
- *29. Rerun completed by NQWL, and value within acceptable precision. New 5 year max.
- *30. Rerun completed by NWQL; New value retained.
- *31. Rerun completed by NWQL, and is within acceptable precision; Not a new max/min.
- *32. Rerun completed by NWQL, and value within acceptable precision; Not a new max/min.
- *33. Rerun completed by NWQL, and value was verified; No new 5 yr min/max.
- *34. Rerun completed by NQWL, and value within acceptable precision. Not a new min/max.

Complaint Log

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	2/3/2014	Connie Kalew	Westbound light at Constitution and Marksheffel not timed correctly before construction, but now delayed time causing new issues.	Called back and thanked her for bringing this to our attention. Said we'll look into it.	Called contractor and county traffic to check light function. County sent a technician to adjust the light. 2/6: She called back to thank the team for addressing her concerns about the light. She was very happy with our responsiveness and good customer service in dealing with her concern.	She said she is not a fan of construction and is not a patient person.
EPC	2/11/2014	Judith LeDean	Calling to inquire about why a pipeline is being built through Cherokee Water District's service area and if it will serve the district.	Explained to her that this is CSUs pipeline to serve that CSU service area, and that the service area boundary meanders through that area.	None requested	She was appreciative of the information.
EPC	2/20/2014	Crystal Sanchez	Calling to inquire if the contractor has plans to repair a washed out culvert near the alignment and the power lines.	Spoke with her to clarify the location and relation of damage to SDS activities. Told her we'd need to look at some of our files to see if any repairs were planned	Spoke with PMs about any impacts from sites and none had any impact. Followed up with caller and others to update them.	Xcel were thankful for us looking into the matter and SDS providing more information. They said it's clear we didn't contribute to the conditions on their site.
EPC	2/28/2014	Rik Noring	Called in to let us know about some road damage that was worsening.	Thanked him for the call and said we'd look into the condition and inform him of next steps.	Worked with the team to coordinate a repair. Kept the business owner informed.	Rik was thankful for us addressing the condition.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	3/4/2014	Paula	Cherokee water customer calling to inquire if construction has caused her loss of water service.	Indicated that there should be no loss of service and she should call Cherokee. Checked in with the construction team to make sure nothing unforeseen has happened.	Called her back to confirm that nothing had occurred in the construction area that would interfere with her water service.	She seemed satisfied and said she would work with Cherokee.
EPC	3/5/2014	Raymond Robertson	Cherokee water customer calling to inquire if construction has caused her loss of water service	Indicated that there should be no loss of service and she should call Cherokee. Checked in with the construction team to make sure nothing unforeseen has happened.	Called him back to confirm that nothing had occurred in the construction area that would interfere with his water service.	Seemed satisfied and said he would work with Charokee.
EPC	4/7/2014	Jessie Washburn	Commutes to Horizon MS, asking about Canada Dr closure status.	Shared information about the closure with him. Encouraged him to use alternate route to get around moving construction closures/detours.	None requested	Still frustrated with detours and said he'd have to look at any alternate way.
EPC	4/8/2014	Jessie Washburn	Asking why Canada is not reopened	Called back and left message updating him. Encouraged him to use alternate route to get around moving construction closures/detours.	None requested	Seemed eager to have work done but satisfied.
EPC	4/9/2014	Joe Martin	Asking if SDS has any plans to compensate him for loss of trees behind his home.	Talked through his location in relation to our construction. His property is not adjacent to SDS work; appears related to PPRTA work on Marksheffel than our alignment, helped him understand about other projects in the area and how he can learn more about them.	None requested	He was thankful for the assistance.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	4/17/2014	Rob Sparks	Requesting a status update on crossings, detours and closures.	Spoke with him and his supervisor about the traffic plans. Emailed additional information for their use.	None requested	Seemed satisfied
PC	5/1/2014	Dwaine Maxwell	Calling to ask when irrigation was going to turn on, and inquire about renewing his revegetation license.	Updated him on the anticipated watering startup schedule, and set up an appointment to discuss his license.	Held follow up meetings to discuss watering and license.	Concerned about upcoming growing season. Appreciative about being met with.
PC	5/4/2014	Essig family	Concern about a neighbor grazing horses and cattle on their easement property without their approval. Worried about impact on reveg.	Guided the Essigs to contacts with the county sheriff and brand inspector so they could follow up on their concerns with authorities.	Request from the Essigs that we all keep our eyes on this	Seemed satisfied
PC	5/9/2014	La Vetta Kay	Asking about revegetation activities and cleanup on property, requested to meet.	Setup meeting to talk through this year's revegetation on her property and next steps. She indicated that she prefers emails regarding access to property, and no license.	Met on 5/16 to walk property. Sent 5/16 email scheduling activity for June 4, 5, and 6. Sent 6/6 email documenting completion of work. Conducted 6/6 walkthough. Will followup after a month of watering.	She was thankful for cleanup of the overgrowth and the walkthrough. She thought the property looked good.
EPC	6/3/2014	Manager for the Safeway plaza	Had a few follow up questions regarding upcoming closures and detours.	Had met with another SDS team member earlier in the day and was referred to that team member for further assistance.	None requested	She was thankful.
PC	6/9/2014	Elovida Velasquez	Calling in a broken sprinkler head and water leak behind her property.	Thanked her for the call and worked with contractor for any repairs. Told her to keep our number handy if she ever has other issues.	None requested	She was appreciative of the quick response.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	7/11/2014	Dwaine Maxwell	Calling to express his displeasure about watering of the revegetation on his property. Indicated he may let the county know about his displeasure.	Updated him on the current watering cycles, upcoming cycles, and explained to him the importance of training the grass to use less water. Verified with the contractor that the system is working and he is receiving the planned amount of water.	Called back to let him to let him know he should have seen the second cycle of the day on the property. Let him know that SDS may have a representative updating the county next week, and we'd make sure to have more information available.	Mr. Maxwell remained upset.
PC	7/11/2014	Pam Williams	Question about watering schedule	Explained that irrigation is being deliberately reduced to reduce plant dependence	Mrs. Williams said she understood.	She seemed satisfied.
PC	7/17/2014	Bobby Luttrell	Calling to report a potential leak in the sprinkler system and inquire about water schedule and concern about not enough water.	Worked with the contractor to check for any leaks. None were found. Inquired about latest watering schedule for that zone.	Updated property owner about the sprinkler system and water schedule. No leaks were found, and provided information on the watering in relation to training the drought tolerant grass to be less dependent on the watering this growing season.	Property owner had no further questions and seemed satisfied.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	7/24/2014	Chris Wren	Concern about construction impacts to neighborhood and school.	Provided him with information about partnering with the schools to limit the impact and their support. Explained steps taken to minimize neighborhood impacts and urgency to complete the project as quickly as possible.	Sent a follow up email to him with information.	Seemed satisfied.
PC	7/24/2014	Cindy Gandara	Calling to ask if we'll be mowing again this year, and expressing an interest in having snake mitigation on her property.	Coordinated with snake mitigation contractor. Prop owner did not follow through.	Property owner indicated she has been very busy and unable to meet the snake mitigation contractor. She said she isn't experiencing any more of a problem and will call us if she has an urgent need.	Appreciative of the follow through, and thankful for the response.
EPC	8/8/2014	Name unknown	Concern about workers starting work at 6 a.m. -- earlier than permits allow	Apologized and pursued with paving contractor and reminded them of working hours.	None requested	Caller seemed satisfied with planned response
EPC	8/15/2014	Mike Ketchens from D-	Request for update on road closings and other traffic arrangements	Provided him with schedule information	Keep in touch	Seemed satisfied.
PC	8/15/2014	Chief Caserta from Pueblo West	Has SDS team noticed sinkholes or depressions along with alignment anywhere? Says he is asking for residents.	Asked if Chief is aware of any sinkholes. Also discussed our process for monitoring for areas that might be sinking and invited him to let us know if anyone is aware of any -- but we are watching.	Keep on it.	Chief Caserta seemed satisfied.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	8/21/2014	Paula and Brian	Calling about road condition and asking about county contacts for repair.	Called transportation office to help them coordinate with the county contacts. Since the road is no longer active with construction, the county has re-assumed responsibility for repairs.	Contacted the office to share information on the best people with the county to work with regarding the road repair.	Office was thankful for the assistance and had no further questions.
PC	9/2/2014	Mr. Dechabert	Concern about snakes due to vegetation height.	Offered to dispatch snake mitigation contractor.	Mr. Dechabert declined offer.	Mr. Dechabert was appreciative of the offer and seemed satisfied.
EPC	9/15/2014	anonymous via El Paso County Planning	County planning received a public complaint about conditions during road closure following an accident.	Collaborated with the team to have the contractor check their traffic plan and identify any improvements. Contractor, working with CDOT, confirmed that the traffic plan was the best approach. Contractor did extend the use of flaggers to cover more of the commute time and further limit safety concerns.	Called county planning to make them aware of the traffic plan and inform them about our collaboration with CDOT.	County planning was appreciative of the quick response and considerations to public safety.
EPC	9/16/2014	Justin Morgan	Question whether Highway 94 is open yet after closure for open cut	Shared schedule with caller and invited call back if he has more questions.	The commuter had no further questions.	Caller seemed satisfied.
EPC	9/16/2014	Jeanie, El Paso County Public Services	Received call complaint about flaggers and traffic control from a member of the public that was in an accident near the construction area.	Contractor evaluated plan and made adjustments to flaggers schedules to ensure a longer period of active management of the intersection.	Informed El Paso County about traffic plans and expected duration of activities	Seemed satisfied.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	9/18/2014	Sgt Julius Delos Reyes	Sgt was inquiring about the reopening of 94.	I contacted the Sgt to update them on the rescheduled opening date and shared information that was sent to the base's PIO office the night before.	The Sgt and individuals at the base had no further questions.	The Sgt and base were thankful for being updated
EPC	9/21/2014	Manager of KFC on Constitution	Concern about presence of traffic barriers and possible impact on business.	Contacted field team to arrange for reduction of barriers and any steps to reduce visible inference with traffic.	Keep on it.	Manager seemed eager for work to be done but satisfied
PC	9/26/2014	Mr. Holcomb	Dust concern related to vehicles doing warranty work on S3	Called PM on duty and arranged for water truck to spray within 30 minutes.	Water truck scheduled for at least 4 times per day.	Caller seemed satisfied.
EPC	10/13/2014	Doug Ekberg	Sent an email inquiry concerning any uncovered water areas planned at the site and impact to migrating birds. Requesting additional information on future reservoir.	Emailed him back and connected him with permitting who spoke with him about the planning and mitigation considerations implemented to protect migratory birds.	Followed up with him further to present paperwork documenting USDA's involvement in permitting and design of the nearby WTP.	Seemed satisfied.
EPC	10/16/2014	Georgia Key	Calling about any planned mowing across from their property near Heritage Road.	Checked in with the construction team on any planned activities.	None requested	Seemed satisfied.
EPC	11/7/2014	CSU Customer Care Ce	Public inquiry about safety signage around construction area and desire to have less.	Shared information on the need for signs to remain, even if most construction is done. Construction still active in the area.	CSU Customer Care followed up with the individual, and there were no further questions.	Seemed satisfied.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	12/1/2014	Wayne Simshauser	Wanted to report suspicious activity/individual in pipeline easement	Staff checked, found "live" animal traps in bushes, found out unauthorized by property owners	Property owners reported that traps were no longer present and thanks SDS for partnering	Seemed satisfied.
PC	12/1/2014	Anonymous caller through Utilities Disptach	Recreational user of motor sports park worried when he saw staging area fence had been damaged/knocked down wanted to report vandalism.	Thanked caller through Dispatch and arranged for SDS staff to check location. Looked like accidental fence damage -- no thefts or further damage	none requested	Seemed satisfied.
EPC	12/26/2014	CSU dispatch	CSU dispatch received a call from a driver who noticed water leaking into the highway and was worried about ice forming.	The construction team looked into the cause, and found a pipe that had burst from the cold that was leaking. The valve was shut down and CDOT was called to sand the roadway	the team follow up over the weekend to make sure no other leaks took place	Seemed satisfied.

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
BPS	Tuesday	3/11/2014	4:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	4/14/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	4/15/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	4/16/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	4/17/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	4/18/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	4/21/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	4/22/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	4/23/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	4/24/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	4/25/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	4/28/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	4/29/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	4/30/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	5/1/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	5/2/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	5/5/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	5/6/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	5/7/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	5/8/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	5/9/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	5/12/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	5/13/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	5/14/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	5/15/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	5/16/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	5/19/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	5/20/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	5/21/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	5/22/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	5/23/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	5/27/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	5/28/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	5/29/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	5/30/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	6/2/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	6/3/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	6/4/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work

Work Occurring During Non-Typical Work Hours

Work Package	Day	Date	Hours Worked	Reason
BPS	Thursday	6/5/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	6/6/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	6/9/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	6/10/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	6/11/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	6/12/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	6/13/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	6/16/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	6/17/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	6/18/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	6/19/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	6/20/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	6/23/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	6/24/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	6/25/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	6/26/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	6/27/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	6/30/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	7/1/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	7/2/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	7/3/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	7/7/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	7/8/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	7/9/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	7/10/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	7/11/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	7/14/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	7/15/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	7/16/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	7/17/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	7/18/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	7/21/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	7/21/2014	6:00 p.m. - 6:30 p.m.	Concrete Related Work
BPS	Tuesday	7/22/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	7/22/2014	6:00 p.m. - 6:30 p.m.	Concrete Related Work
BPS	Wednesday	7/23/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	7/23/2014	6:00 p.m. - 6:30 p.m.	Concrete Related Work
BPS	Thursday	7/24/2014	1:00 a.m. - 7:00 a.m.	Concrete Related Work

Work Occurring During Non-Typical Work Hours

Work Package	Day	Date	Hours Worked	Reason
BPS	Friday	7/25/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	7/28/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	7/29/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	7/30/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	7/31/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	8/4/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	8/5/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	8/6/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	8/7/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	8/8/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	8/11/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	8/12/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	8/13/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	8/14/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	8/15/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	8/18/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	8/19/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	8/20/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	8/21/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	8/22/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	8/25/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	8/26/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	8/27/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	8/28/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	8/29/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	9/2/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	9/3/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	9/4/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	9/5/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Monday	9/8/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Tuesday	9/9/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	9/10/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Thursday	9/11/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Friday	9/12/2014	6:00 a.m. - 7:00 a.m.	Concrete Related Work
BPS	Wednesday	11/19/2014	5:00 a.m. - 7:00 a.m.	Concrete Related Work
FW3	Monday	3/25/2014	6:00 p.m. - 7:00 p.m.	Peterson Road Crossing
FW3	Tuesday	3/26/2014	6:00 p.m. - 7:00 p.m.	Peterson Road Crossing
FW3	Wednesday	3/27/2014	6:00 p.m. - 7:00 p.m.	Peterson Road Crossing

Work Occurring During Non-Typical Work Hours

Work Package	Day	Date	Hours Worked	Reason
FW3	Thursday	3/28/2014	6:00 p.m. - 7:00 p.m.	Peterson Road Crossing
FW3	Friday	8/8/2014	6:00 a.m. - 6:30 a.m.	Paving Contractor began unauthorized work at 6:00 a.m. Work was stopped and contractor was reminded of working hours. It did not happen again.
JPS	Saturday	1/4/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	1/25/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	2/1/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	2/8/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	2/15/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	2/22/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	3/8/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	3/15/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	3/22/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	3/29/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	4/5/2014	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	4/12/2014	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	4/26/2014	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	5/3/2014	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	5/10/2014	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	5/17/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
JPS	Saturday	8/2/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	9/6/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	9/20/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	9/27/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	10/18/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	10/25/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	11/8/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	11/15/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	11/22/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	12/6/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	12/13/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	12/20/2014	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
PDC1B	Saturday	1/4/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	1/25/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	2/1/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	2/8/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	2/15/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	2/22/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	3/1/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule

Work Occurring During Non-Typical Work Hours

Work Package	Day	Date	Hours Worked	Reason
PDC1B	Saturday	3/8/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	3/15/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	3/22/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	3/29/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	4/5/2014	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	4/12/2014	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
PDC1B	Saturday	6/14/2014	7:00 a.m. - 6:00 p.m.	Maintaining construction schedule
S3	Saturday	10/4/2014	7:00 a.m. - 5:00 p.m.	Weather condition and project schedule
S3	Sunday	10/5/2014	7:00 a.m. - 5:00 p.m.	Weather condition and project schedule
S3	Sunday	10/12/2014	7:00 a.m. - 5:00 p.m.	Weather condition and project schedule
S3	Saturday	10/18/2014	7:00 a.m. - 5:00 p.m.	Weather condition and project schedule
S3	Sunday	10/19/2014	7:00 a.m. - 5:00 p.m.	Weather condition and project schedule
S3	Saturday	11/15/2014	7:00 a.m. - 5:00 p.m.	Weather condition and project schedule
S4A Central	daily	3/1/14 to 12/31/14	6:00 p.m. - 7:00 a.m.	Tunneling Activities. The majority of work was performed in two 10-hour shifts per day with an increase to 12-hour shifts approximately halfway through the project.
WCPS	Friday	3/28/2014	4:00 a.m. - 7:00 a.m.	Concrete Related Work
WCPS	Tuesday	7/1/2014	2:00 a.m. - 7:00 a.m.	Concrete Related Work
WCPS	Thursday	7/31/2014	4:00 a.m. - 7:00 a.m.	Concrete Related Work
WCPS	Thursday	8/28/2015	4:00 a.m. - 7:00 a.m.	Concrete Related Work
WCPS	Wednesday	10/15/2014	4:00 a.m. - 7:00 a.m.	Concrete Related Work
WCPS	Thursday	10/16/2014	4:00 a.m. - 7:00 a.m.	Concrete Related Work
WTP	Friday	9/12/2014	6:00 p.m. - 12:00 a.m.	Crossing of Hwy 94
WTP	Saturday	9/13/2014	12:00 a.m. - 7:00 a.m.	Crossing of Hwy 94
WTP	Saturday	9/13/2014	6:00 p.m. - 12:00 a.m.	Crossing of Hwy 94
WTP	Sunday	9/14/2014	12:00 a.m. - 12:00 a.m.	Crossing of Hwy 94
WTP	Monday	9/15/2014	12:00 a.m. - 7:00 a.m.	Crossing of Hwy 94

Expenditures for Wastewater System Improvements Annual Report for 2014

Pueblo County 1041 Permit

Expenditures for Wastewater System Improvements

Annual Progress Report

January 26, 2015

Reporting for the period between January 1, 2014 and December 31, 2014

Table of Contents

Introduction.....2

Project Descriptions.....2

Local Collectors Evaluation and Rehabilitation Project (LCERP).....2

Manhole Evaluation and Rehabilitation Project (MHERP)3

Collection System Rehabilitation and Replacement Project (R&R)3

Sanitary Sewer Creek Crossings (SSCC).....4

Reuse System.....4

Summary.....4

APPENDIX A – LCERP COMPLETION TABLE

APPENDIX B – MHERP COMPLETION TABLE

APPENDIX C – SSCC 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 2014, 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); 3) the Collection System Rehabilitation and Replacement Project (R&R); and 4) Sanitary Sewer Creek Crossing Project (SSCC). These projects are independent of Springs Utilities' normal operation and maintenance programs.

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 70,286 feet of less than 10-inch sewer pipe, representing approximately 257 line segments, at a cost of \$4,242,628 in 2014.

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 171 manholes, at a cost of \$205,348 in 2014.

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, 1994.

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 2014 that would be applicable to the terms of the 1041 Permit.

Wastewater Reuse System

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

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

Only normal operation and maintenance of the reuse system was conducted in 2014.

Sanitary Sewer Creek Crossings (SSCC)

The SSCC work consists of the systematic inspection, evaluation, the repair and/or replacement of sanitary sewer pipes and the erosion protection of various creek crossings structures in order to reduce the risk of spills, stoppages, and sanitary sewer overflows (SSO's) on pipelines that cross minor and major drainages. SSCC is included in this report beginning in 2014 because, as of December 31, 2012, CSU met all the requirements of the CDPHE Compliance Order on Consent. Closure of the COC was requested on January 29, 2012 and granted by CDPHE on March 8, 2012. SSCC is no longer *"required by other regulatory permits, agency enforcement or court orders, consent agreements, or governmental regulation"*, and therefore has been added to the report totals.

SSCC improvements:

- Provide long term creek stabilization for crossings and longitudinal
- Extend the life of the individual system component, and
- Improve the overall condition of the SU sanitary sewer system

There are approximately 370 sanitary sewer creek crossings in the major and minor drainages that have been evaluated and are on a re-inspection schedule. Since 2005, we have stabilized, replaced or eliminated 114 sanitary sewer creek crossings and/or longitudinal pipelines.

In 2014, SSCC repaired or rehabilitated 4 creek crossings projects, at a cost of \$3,303,553.

Summary

During the reporting period of January 1, 2014 through December 31, 2014 costs for LCERP, MHERP, and SSCC totaled \$7,751,529. The total Wastewater Expenditures reported since 2010 is \$38,686,007.

Appendix A

2014 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.143345	2578658	8	119	CIPP	PATTY JEWETT	01/27/14
WW.161760	1858814	8	510	CIPP	PATTY JEWETT	02/02/14
WW.157947	1850994	8	346	CIPP	SPRING CREEK	02/12/14
WW.164043	1850996	8	279	CIPP	SPRING CREEK	02/12/14
WW.160323	2578659	8	450	CIPP	PATTY JEWETT	02/18/14
WW.134424	2578655	8	104	CIPP	PATTY JEWETT	02/18/14
WW.161705	1818480	8	309	CIPP	PATTY JEWETT	02/19/14
WW.141298	1851177	8	134	CIPP	PATTY JEWETT	02/19/14
WW.154789	1963430	8	302	CIPP	TEMPLETON GAP	02/24/14
WW.150793	1963367	8	387	CIPP	TEMPLETON GAP	02/24/14
WW.136425	1960483	8	289	CIPP	TEMPLETON GAP	02/25/14
WW.140508	2579772	8	264	CIPP	TEMPLETON GAP	02/25/14
WW.148803	2578668	8	353	CIPP	UPPER SAND CREEK	03/03/14
WW.156932	2578662	8	342	CIPP	UPPER SAND CREEK	03/04/14
WW.138483	2047824	8	296	CIPP	TEMPLETON GAP	03/05/14
WW.133173	2630226	8	259	CIPP	UPPER SAND CREEK	03/06/14
WW.133172	2630192	8	184	CIPP	UPPER SAND CREEK	03/06/14
WW.144674	2048290	8	160	CIPP	TEMPLETON GAP	03/10/14
WW.146766	2048213	8	129	CIPP	TEMPLETON GAP	03/10/14
WW.144744	2032640	8	107	CIPP	TEMPLETON GAP	03/11/14
WW.154844	2032632	8	358	CIPP	TEMPLETON GAP	03/11/14
WW.159003	2032634	8	197	CIPP	TEMPLETON GAP	03/11/14
WW.150840	2578664	8	282	CIPP	UPPER SAND CREEK	03/12/14
WW.159000	2578669	8	387	CIPP	UPPER SAND CREEK	03/12/14
WW.146775	2140923	8	326	CIPP	TEMPLETON GAP	03/13/14
WW.135619	2048131	8	375	CIPP	TEMPLETON GAP	03/14/14
WW.140514	2583074	8	327	CIPP	TEMPLETON GAP	03/14/14
WW.133871	2678147	8	259	CIPP	SOUTH TEJON	03/17/14
WW.134171	2678146	8	290	CIPP	NORTH SUBURBAN	03/17/14
WW.134315	2678144	8	28	CIPP	NORTH SUBURBAN	03/18/14
WW.134316	2678143	8	164	CIPP	NORTH SUBURBAN	03/18/14
WW.134317	2678142	8	208	CIPP	NORTH SUBURBAN	03/18/14
WW.139164	2678141	8	250	CIPP	NORTH SUBURBAN	03/18/14
WW.140622	2678140	8	209	CIPP	UPPER SAND CREEK	03/19/14
WW.140974	2678139	8	244	CIPP	SOUTH TEJON	03/19/14
WW.143404	1883247	8	300	CIPP	PATTY JEWETT	03/20/14
WW.142639	2140804	8	244	CIPP	TEMPLETON GAP	03/20/14
WW.143073	2678133	8	307	CIPP	SOUTH TEJON	03/23/14
WW.144815	2678132	8	386	CIPP	UPPER SAND CREEK	03/23/14
WW.144826	2678131	8	76	CIPP	UPPER SAND CREEK	03/24/14
WW.146029	2678130	8	305	CIPP	UPPER SAND CREEK	03/24/14
WW.146872	2678129	8	280	CIPP	UPPER SAND CREEK	03/24/14
WW.140997	2695995	8	246	CIPP	SOUTH TEJON	03/25/14
WW.143092	2695996	8	268	CIPP	SOUTH TEJON	03/25/14
WW.155264	2695997	8	71	CIPP	SOUTH TEJON	03/25/14
WW.138955	2695998	8	31	CIPP	SOUTH TEJON	03/25/14
WW.146901	2678128	8	291	CIPP	UPPER SAND CREEK	03/27/14
WW.148886	2678124	8	250	CIPP	UPPER SAND CREEK	03/27/14
WW.148887	2678120	8	135	CIPP	UPPER SAND CREEK	03/27/14
WW.140976	2678138	8	183	CIPP	SOUTH TEJON	03/31/14
WW.140980	2678136	8	362	CIPP	SOUTH TEJON	03/31/14
WW.152118	2026533	8	272	CIPP	TEMPLETON GAP	04/01/14
WW.146025	2032648	8	260	CIPP	TEMPLETON GAP	04/01/14
WW.138494	2140801	8	337	CIPP	TEMPLETON GAP	04/02/14

2014 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.138495	2021719	8	312	CIPP	TEMPLETON GAP	04/04/14
WW.134445	2578657	8	149	CIPP	PATTY JEWETT	04/07/14
WW.161726	1856884	8	238	CIPP	PATTY JEWETT	04/07/14
WW.181331	2578660	8	377	CIPP	PATTY JEWETT	04/08/14
WW.159880	1832705	8	240	CIPP	SPRING CREEK	04/08/14
WW.144319	2583378	8	300	CIPP	DOUGLAS CREEK	04/09/14
WW.132311	2583379	8	354	CIPP	DOUGLAS CREEK	04/09/14
WW.150917	1689486	8	403	CIPP	SPRING CREEK	04/11/14
WW.140515	2047300	8	155	CIPP	TEMPLETON GAP	04/11/14
WW.140539	2048076	8	186	CIPP	TEMPLETON GAP	04/15/14
WW.154068	2048070	8	402	CIPP	TEMPLETON GAP	04/15/14
WW.161037	2578666	8	403	CIPP	UPPER SAND CREEK	04/16/14
WW.161459	2696000	8	168	CIPP	SOUTH TEJON	04/16/14
WW.149553	2578654	8	309	CIPP	PATTY JEWETT	04/17/14
WW.158992	2630219	8	400	CIPP	UPPER SAND CREEK	04/17/14
WW.157286	1928094	8	209	CIPP	TEMPLETON GAP	04/21/14
WW.140506	258009	8	180	CIPP	TEMPLETON GAP	05/05/14
WW.139803	2579791	8	303	CIPP	TEMPLETON GAP	05/05/14
WW.139756	1856825	8	340	CIPP	SPRING CREEK	05/06/14
WW.150505	2578653	8	190	CIPP	PATTY JEWETT	05/07/14
WW.142742	2139312	8	220	CIPP	PATTY JEWETT	05/07/14
WW.157287	1928099	8	103	CIPP	TEMPLETON GAP	05/08/14
WW.147183	1928103	8	248	CIPP	TEMPLETON GAP	05/08/14
WW.139387	1856811	8	287	CIPP	SPRING CREEK	05/09/14
WW.147185	1919867	8	294	CIPP	TEMPLETON GAP	05/13/14
WW.163398	1919938	8	280	CIPP	TEMPLETON GAP	05/13/14
WW.136812	1928111	8	297	CIPP	TEMPLETON GAP	05/14/14
WW.155179	1928116	8	331	CIPP	TEMPLETON GAP	05/14/14
WW.133725	1928048	8	238	CIPP	TEMPLETON GAP	05/19/14
WW.153204	1918366	8	296	CIPP	TEMPLETON GAP	05/19/14
WW.161008	2052487	8	372	CIPP	TEMPLETON GAP	05/20/14
WW.158990	2630218	8	431	CIPP	UPPER SAND CREEK	05/20/14
WW.144730	2630208	8	330	CIPP	UPPER SAND CREEK	05/21/14
WW.135629	2630196	8	417	CIPP	UPPER SAND CREEK	05/21/14
WW.142698	2630207	8	418	CIPP	UPPER SAND CREEK	05/21/14
WW.142637	2630206	8	407	CIPP	UPPER SAND CREEK	05/22/14
WW.150051	2630212	8	414	CIPP	UPPER SAND CREEK	05/22/14
WW.150891	2630216	8	404	CIPP	UPPER SAND CREEK	05/23/14
WW.156997	2630217	8	403	CIPP	UPPER SAND CREEK	05/23/14
WW.150519	2726536	8	186	CIPP	MESA VALLEY	05/27/14
WW.140244	2726534	8	174	CIPP	MESA VALLEY	05/27/14
WW.147485	2726519	8	200	CIPP	CRAGMOOR	05/27/14
WW.164258	2726529	8	475	CIPP	WEST SIDE	05/28/14
WW.162078	2726521	8	403	CIPP	LOWER SAND CREEK	05/28/14
WW.135132	2726522	8	130	CIPP	LOWER SAND CREEK	05/28/14
WW.162080	2726523	8	155	CIPP	LOWER SAND CREEK	05/28/14
WW.139170	2726531	8	424	CIPP	CRAGMOOR	05/29/14
WW.159677	2726530	8	297	CIPP	CRAGMOOR	05/29/14
WW.140604	2630202	8	320	CIPP	UPPER SAND CREEK	06/03/14
WW.136528	2630197	8	261	CIPP	UPPER SAND CREEK	06/03/14
WW.138586	2630199	8	384	CIPP	UPPER SAND CREEK	06/04/14
WW.148882	2630106	8	259	CIPP	UPPER SAND CREEK	06/04/14
WW.142720	2630105	8	257	CIPP	UPPER SAND CREEK	06/05/14
WW.136542	2630108	8	300	CIPP	UPPER SAND CREEK	06/05/14

2014 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.138601	2630110	8	251	CIPP	UPPER SAND CREEK	06/05/14
WW.144825	2630115	8	331	CIPP	UPPER SAND CREEK	06/06/14
WW.136549	2630184	8	323	CIPP	UPPER SAND CREEK	06/09/14
WW.150910	2630191	8	352	CIPP	UPPER SAND CREEK	06/09/14
WW.161115	2630116	8	156	CIPP	UPPER SAND CREEK	06/10/14
WW.142721	2630140	8	292	CIPP	UPPER SAND CREEK	06/10/14
WW.159495	2678094	8	155	CIPP	SOUTH TEJON	06/10/14
WW.159053	2630221	8	273	CIPP	UPPER SAND CREEK	06/11/14
WW.141008	2678135	8	283	CIPP	SOUTH TEJON	06/11/14
WW.136546	2630189	8	311	CIPP	UPPER SAND CREEK	06/12/14
WW.149299	2678119	8	362	CIPP	SOUTH TEJON	06/17/14
WW.149506	2678118	8	400	CIPP	NORTH SUBURBAN	06/17/14
WW.150896	2678117	8	405	CIPP	UPPER SAND CREEK	06/18/14
WW.150904	2678115	8	127	CIPP	UPPER SAND CREEK	06/18/14
WW.151476	2678113	8	132	CIPP	NORTH SUBURBAN	06/18/14
WW.155240	2678107	8	135	CIPP	SOUTH TEJON	06/18/14
WW.157012	2678104	8	68	CIPP	UPPER SAND CREEK	06/18/14
WW.154911	2678112	8	326	CIPP	UPPER SAND CREEK	06/19/14
WW.154912	2678111	8	436	CIPP	UPPER SAND CREEK	06/19/14
WW.162308	2678089	8	175	CIPP	UPPER SAND CREEK	06/20/14
WW.163129	2678084	8	120	CIPP	UPPER SAND CREEK	06/20/14
WW.154913	2678108	8	367	CIPP	UPPER SAND CREEK	06/23/14
WW.157520	2678103	8	100	CIPP	NORTH SUBURBAN	06/23/14
WW.161132	2710112	8	401	CIPP	UPPER SAND CREEK	06/24/14
WW.154939	2709949	8	193	CIPP	UPPER SAND CREEK	06/24/14
WW.164056	2700424	8	273	CIPP	SPRING CREEK	06/25/14
WW.135019	2700430	8	141	CIPP	SPRING CREEK	06/25/14
WW.151814	2700435	8	70	CIPP	SPRING CREEK	06/25/14
WW.144751	2696001	8	400	CIPP	UPPER SAND CREEK	06/26/14
WW.148820	2696006	8	406	CIPP	UPPER SAND CREEK	06/26/14
WW.153806	2700429	8	83	CIPP	SPRING CREEK	06/27/14
WW.153804	2695978	8	139	CIPP	SPRING CREEK	06/27/14
WW.141563	2700436	8	101	CIPP	SPRING CREEK	06/27/14
WW.143652	2695986	8	96	CIPP	SPRING CREEK	06/27/14
WW.156942	2696004	8	293	CIPP	UPPER SAND CREEK	07/14/14
WW.133088	2696009	8	136	CIPP	UPPER SAND CREEK	07/14/14
WW.146833	2696011	8	244	CIPP	UPPER SAND CREEK	07/14/14
WW.161055	2696008	8	292	CIPP	UPPER SAND CREEK	07/15/14
WW.138542	2696007	8	100	CIPP	UPPER SAND CREEK	07/15/14
WW.150846	2696010	8	204	CIPP	UPPER SAND CREEK	07/15/14
WW.161058	2696012	8	164	CIPP	UPPER SAND CREEK	07/15/14
WW.139495	2695045	8	301	CIPP	SPRING CREEK	07/16/14
WW.141574	2695947	8	258	CIPP	SPRING CREEK	07/16/14
WW.139486	2695958	8	436	CIPP	SPRING CREEK	07/17/14
WW.151795	2695992	8	401	CIPP	SPRING CREEK	09/02/14
WW.147815	2695989	8	403	CIPP	SPRING CREEK	09/03/14
WW.143636	2695994	8	219	CIPP	SPRING CREEK	09/04/14
WW.135016	2700425	8	84	CIPP	SPRING CREEK	09/04/14
WW.159983	2700426	8	93	CIPP	SPRING CREEK	09/04/14
WW.139490	2700427	8	101	CIPP	SPRING CREEK	09/04/14
WW.151811	2700423	8	173	CIPP	SPRING CREEK	09/04/14
WW.161394	2750773	8	270	Replacement	BOTT	09/07/14
WW.138882	2750765	8	322	CIPP	BOTT	09/08/14
WW.140918	2750797	8	304	CIPP	BOTT	09/09/14

2014 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.151186	2750750	8	521	CIPP	BOTT	09/09/14
WW.161393	2750813	8	296	CIPP	BOTT	09/09/14
WW.136834	2750796	8	417	CIPP	BOTT	09/10/14
WW.136844	2750746	8	450	CIPP	BOTT	09/10/14
WW.154101	2750761	8	560	CIPP	BOTT	09/12/14
WW.157313	2750811	8	149	CIPP	BOTT	09/12/14
WW.133772	2750751	8	558	CIPP	BOTT	09/15/14
WW.157031	2709954	8	400	CIPP	UPPER SAND CREEK	09/18/14
WW.142747	2710114	8	309	CIPP	UPPER SAND CREEK	09/19/14
WW.133255	2710115	8	153	CIPP	UPPER SAND CREEK	09/19/14
WW.144858	2709936	8	129	CIPP	UPPER SAND CREEK	09/22/14
WW.133257	2709896	8	345	CIPP	UPPER SAND CREEK	09/22/14
WW.154943	2709951	8	252	CIPP	UPPER SAND CREEK	09/23/14
WW.133258	2709898	8	343	CIPP	UPPER SAND CREEK	09/23/14
WW.144857	2709933	8	229	CIPP	UPPER SAND CREEK	10/06/14
WW.157036	2710072	8	278	CIPP	UPPER SAND CREEK	10/07/14
WW.140653	2710074	8	147	CIPP	UPPER SAND CREEK	10/07/14
WW.154941	2710077	8	91	CIPP	UPPER SAND CREEK	10/08/14
WW.142750	2710073	8	204	CIPP	UPPER SAND CREEK	10/08/14
WW.152940	2709947	8	291	CIPP	UPPER SAND CREEK	10/08/14
WW.138627	2710071	8	200	CIPP	UPPER SAND CREEK	10/09/14
WW.161133	2709959	8	173	CIPP	UPPER SAND CREEK	10/10/14
WW.163158	2709961	8	128	CIPP	UPPER SAND CREEK	10/10/14
WW.133254	2709895	8	209	CIPP	UPPER SAND CREEK	10/10/14
WW.193504	2710113	8	182	CIPP	UPPER SAND CREEK	10/13/14
WW.142748	2709932	8	311	CIPP	UPPER SAND CREEK	10/14/14
WW.136566	2709927	8	389	CIPP	UPPER SAND CREEK	10/14/14
WW.146929	2709938	8	342	CIPP	UPPER SAND CREEK	10/15/14
WW.161136	2709960	8	370	CIPP	UPPER SAND CREEK	10/15/14
WW.163160	2709963	8	386	CIPP	UPPER SAND CREEK	10/16/14
WW.146931	2709939	8	199	CIPP	UPPER SAND CREEK	10/17/14
WW.158347	2750771	8	438	CIPP	BOTT	10/20/14
WW.149196	2750831	8	223	CIPP	BOTT	10/21/14
WW.150130	2750772	8	502	CIPP	BOTT	10/21/14
WW.138876	2750832	8	169	CIPP	BOTT	10/21/14
WW.155211	2750802	8	449	CIPP	BOTT	10/23/14
WW.151985	2750779	8	183	CIPP	BOTT	10/24/14
WW.136842	2750789	8	527	CIPP	BOTT	10/27/14
WW.153217	2750791	8	86	CIPP	BOTT	10/27/14
WW.164245	2750809	8	317	CIPP	BOTT	10/30/14
WW.138879	2750795	8	412	CIPP	BOTT	11/03/14
WW.136832	2750792	8	334	CIPP	BOTT	11/18/14
WW.149195	2750745	8	604	CIPP	BOTT	11/19/14
WW.163809	2750828	8	249	CIPP	PATTY JEWETT	11/24/14
WW.144860	2709937	8	399	CIPP	UPPER SAND CREEK	11/24/14
WW.157039	2709956	8	115	CIPP	UPPER SAND CREEK	11/24/14
WW.154945	2710102	8	341	CIPP	UPPER SAND CREEK	11/25/14
WW.138638	2709928	8	161	CIPP	UPPER SAND CREEK	11/25/14
WW.140656	2710075	8	99	CIPP	UPPER SAND CREEK	11/26/14
WW.142760	2710079	8	155	CIPP	UPPER SAND CREEK	12/01/14
WW.161141	2710094	8	224	CIPP	UPPER SAND CREEK	12/01/14
WW.148918	2710105	8	302	CIPP	UPPER SAND CREEK	12/01/14
WW.138878	2750833	8	269	CIPP	BOTT	12/01/14
WW.152955	2710099	8	340	CIPP	UPPER SAND CREEK	12/02/14

2014 LCERP Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.133282	2710107	8	178	CIPP	UPPER SAND CREEK	12/02/14
WW.147210	2750803	8	287	CIPP	BOTT	12/02/14
WW.153216	2750777	8	183	Replacement	BOTT	12/02/14
WW.152956	2710100	8	280	CIPP	UPPER SAND CREEK	12/03/14
WW.140665	2710081	8	281	CIPP	UPPER SAND CREEK	12/03/14
WW.140655	2710080	8	49	CIPP	UPPER SAND CREEK	12/04/14
WW.150930	2709946	8	422	CIPP	UPPER SAND CREEK	12/04/14
WW.173429	2750801	8	237	CIPP	BOTT	12/04/14
WW.163426	2750800	8	416	CIPP	BOTT	12/04/14
WW.159082	2710090	8	254	CIPP	UPPER SAND CREEK	12/05/14
WW.157038	2710089	8	122	CIPP	UPPER SAND CREEK	12/05/14
WW.133260	2710106	8	164	CIPP	UPPER SAND CREEK	12/05/14
WW.147196	2750782	8	141	Replacement	BOTT	12/05/14
WW.152939	2710098	8	330	CIPP	UPPER SAND CREEK	12/06/14
WW.150931	2710095	8	199	CIPP	UPPER SAND CREEK	12/06/14
WW.136839	2750834	8	181	CIPP	BOTT	12/08/14
WW.159386	2750778	8	191	CIPP	BOTT	12/08/14
WW.161406	2750804	8	412	CIPP	BOTT	12/08/14
WW.150932	2710097	8	133	CIPP	UPPER SAND CREEK	12/09/14
WW.163163	2710087	8	399	CIPP	UPPER SAND CREEK	12/09/14
WW.147201	2750762	8	549	CIPP	BOTT	12/09/14
WW.149209	2750788	8	402	CIPP	BOTT	12/10/14
WW.140928	2750749	8	194	CIPP	BOTT	12/10/14
WW.151205	2750775	8	278	CIPP	BOTT	12/11/14
WW.140943	2750826	8	335	CIPP	BOTT	12/11/14
WW.133775	2750763	8	402	CIPP	BOTT	12/12/14
WW.155206	2750776	8	135	CIPP	BOTT	12/12/14
WW.154985	2750825	8	325	CIPP	BOTT	12/12/14
WW.163425	2750836	8	332	CIPP	BOTT	12/14/14
WW.133780	2750817	8	359	CIPP	BOTT	12/15/14
WW.155200	2750766	8	251	CIPP	BOTT	12/15/14
WW.163421	2750783	8	188	Replacement	BOTT	12/15/14
WW.163423	2750793	8	387	CIPP	BOTT	12/15/14
WW.159379	2750767	8	373	CIPP	BOTT	12/17/14
WW.155201	2750794	8	376	CIPP	BOTT	12/18/14
WW.159377	2750781	8	376	CIPP	BOTT	12/23/14
WW.139176	2708119	8	253	Replacement	CRAGMOOR	12/23/14
WW.139255	2708120	6	173	Replacement	SHOOKS RUN	12/23/14
WW.153577	2708121	6	185	Replacement	SHOOKS RUN	12/23/14
WW.164435	2750742	8	562	CIPP	BOTT	12/30/14
WW.157034	2709955	8	238	CIPP	UPPER SAND CREEK	10/16/14
Totals	257		70,286			

Appendix B

2014 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.115493	2712015	4	6.5	5/20/2014
WW.115494	2712014	4	7.0	5/20/2014
WW.100535	2737623	4	6.5	6/24/2014
WW.118130	2737624	4	6.0	6/24/2014
WW.120105	2737621	4	6.0	6/25/2014
WW.122022	2737622	4	9.5	6/25/2014
WW.126119	2737626	4	4.0	6/26/2014
WW.126121	2737627	4	5.0	6/26/2014
WW.128124	2737625	4	5.0	6/27/2014
WW.107579	2744731	6	12.5	7/14/2014
WW.125544	2744733	4	10.5	7/14/2014
WW.131574	2744732	4	10.5	7/14/2014
WW.107037	2744737	4	7.0	7/15/2014
WW.111035	2744738	4	11.0	7/15/2014
WW.115097	2744736	4	10.0	7/16/2014
WW.119012	2744740	4	5.0	7/16/2014
WW.124995	2744739	4	4.0	7/16/2014
WW.121687	2586275	4	10.8	7/24/2014
WW.131797	2586274	4	10.5	7/24/2014
WW.106885	2586276	4	8.3	7/28/2014
WW.105344	2748448	4	8.0	7/29/2014
WW.107347	2748445	4	9.0	7/29/2014
WW.107349	2748447	4	8.7	7/29/2014
WW.107390	2748467	4	10.5	8/1/2014
WW.113429	2748464	4	8.0	8/1/2014
WW.117415	2748456	4	7.5	8/1/2014
WW.125325	2748471	4	6.0	8/1/2014
WW.121340	2748457	4	8.5	8/4/2014
WW.129376	2748458	4	8.0	8/4/2014
WW.109402	2748451	4	7.5	8/5/2014
WW.119326	2748450	4	6.0	8/5/2014
WW.123313	2748469	4	8.0	8/5/2014
WW.125361	2748455	4	8.0	8/5/2014
WW.102951	2748465	4	5.0	8/12/2014
WW.109437	2748453	4	4.5	8/12/2014
WW.113426	2748461	4	9.0	8/12/2014
WW.125353	2748468	4	7*	8/12/2014
WW.127388	2748460	4	7.3	8/12/2014
WW.127388	2748460	4	7*	8/12/2014
WW.113444	2748470	4	7.0	8/14/2014
WW.119368	2748459	4	8.5	8/14/2014
WW.125323	2748476	4	7.3	8/14/2014
WW.129373	2748454	4	9.0	8/14/2014
WW.131379	2748474	4	8.0	8/14/2014
WW.107364	2748472	4	8.0	8/15/2014
WW.111347	2748479	4	5.7	8/15/2014

2014 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.113446	2748475	4	6.5	8/15/2014
WW.121296	2748462	4	5.5	8/15/2014
WW.129328	2748473	4	6.0	8/15/2014
WW.102861	2748444	4	8.0	8/18/2014
WW.113398	2748478	4	6.0	8/18/2014
WW.113399	2748436	4	8.0	8/18/2014
WW.102892	2748437	4	10.5	8/19/2014
WW.105367	2748438	4	11.0	8/19/2014
WW.113394	2748477	4	10.0	8/19/2014
WW.121295	2748440	4	9.5	8/19/2014
WW.115412	2748449	4	6.5	8/20/2014
WW.123266	2748433	4	13.5	8/20/2014
WW.125310	2748446	4	12.3	8/20/2014
WW.125314	2748432	4	7.0	8/20/2014
WW.131326	2748442	4	6.0	8/20/2014
WW.102857	2748441	4	8.0	8/21/2014
WW.109438	2748466	4	5.0	8/21/2014
WW.111373	2748463	4	6.0	8/21/2014
WW.117413	2748452	4	6.0	8/21/2014
WW.121282	2748439	4	7.0	8/21/2014
WW.127379	2748443	4	7.0	8/21/2014
WW.118922	2761687	4	9*	8/22/2014
WW.102082	2761689	4	5*	8/22/2014
WW.122835	2761682	4	4*	8/22/2014
WW.117000	2761681	4	6.0	8/22/2014
WW.102096	2761690	4	7*	8/22/2014
WW.130935	2761688	4	11.5*	8/25/2014
WW.122829	2761725	4	8*	8/25/2014
WW.130932	2766670	4	8.5*	8/25/2014
WW.117036	2761706	4	9*	8/26/2014
WW.117034	2761708	4	10.8*	8/26/2014
WW.120932	2761700	4	9*	8/26/2014
WW.128948	2761701	4	9.2	8/26/2014
WW.106953	2761686	4	10*	8/27/2014
WW.128947	2761704	4	10*	8/27/2014
WW.118956	2761705	4	9*	8/27/2014
WW.115009	2761685	4	9*	8/27/2014
WW.130958	2761703	4	8*	8/27/2014
WW.117035	2761702	4	8*	8/27/2014
WW.124942	2761709	4	10.8*	8/28/2014
WW.120892	2761721	4	6.0	8/28/2014
WW.104952	2761720	4	12.3	8/28/2014
WW.124905	2761717	4	7*	8/28/2014
WW.112994	2761722	4	5*	8/28/2014
WW.113027	2761684	4	9.2*	8/28/2014

2014 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.130960	2761699	4	8.5*	8/28/2014
WW.128949	2761710	4	8*	8/29/2014
WW.115039	2761713	4	5*	8/29/2014
WW.124940	2761712	4	5.5*	8/29/2014
WW.118957	2761711	4	5*	8/29/2014
WW.124939	2761698	4	5.5	8/29/2014
WW.106978	2761707	4	8*	9/3/2014
WW.110993	2761727	4	5*	9/3/2014
WW.102147	2761718	4	5*	9/3/2014
WW.122872	2761714	4	10*	9/3/2014
WW.110985	2761697	4	7*	9/3/2014
WW.112997	2761724	4	7*	9/4/2014
WW.130926	2761729	4	5*	9/4/2014
WW.102145	2761693	4	9.2*	9/4/2014
WW.124937	2761694	4	8.5*	9/4/2014
WW.115006	2761730	4	6.0	9/4/2014
WW.112996	2761728	4	6.2*	9/4/2014
WW.131348	2723989	4	9.2*	9/5/2014
WW.167503	2723990	4	10.5*	9/5/2014
WW.113827	2737636	4	5*	9/5/2014
WW.111805	2737637	4	6*	9/5/2014
WW.111806	2737639	4	4*	9/5/2014
WW.103819	2737638	4	4.0	9/5/2014
WW.126957	2761734	4	6*	9/8/2014
WW.126958	2761733	4	6*	9/8/2014
WW.124906	2761726	4	11.6*	9/8/2014
WW.120895	2761723	4	6.5*	9/8/2014
WW.118921	2761696	4	9*	9/9/2014
WW.115007	2761695	4	7*	9/9/2014
WW.106987	2761736	4	6.2*	9/10/2014
WW.106952	2761691	4	9.2*	9/10/2014
WW.122836	2761716	4	10*	9/10/2014
WW.128910	2761692	4	8*	9/15/2014
WW.128903	2768940	4	7.8*	9/15/2014
WW.126982	2768960	4	10*	9/15/2014
WW.120923	2768958	4	11.6*	9/15/2014
WW.113015	2768939	4	11.5*	9/15/2014
WW.124908	2761715	4	10.8*	9/16/2014
WW.124892	2768941	4	8.5*	9/16/2014
WW.126983	2768961	4	7*	9/16/2014
WW.108970	2768955	4	7*	9/16/2014
WW.104945	2768956	4	8.0	9/16/2014
WW.102130	2768943	4	7*	9/17/2014

2014 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.126984	2768963	4	9.2*	9/17/2014
WW.130945	2768962	4	9.2*	9/17/2014
WW.117022	2768942	4	8*	9/17/2014
WW.113017	2768948	4	7*	10/13/2014
WW.128935	2768946	4	8*	10/13/2014
WW.113018	2768944	4	7.5*	10/13/2014
WW.130947	2768947	4	8*	10/13/2014
WW.102132	2768945	4	7*	10/13/2014
WW.118949	2768949	4	8*	10/27/2014
WW.126987	2768953	4	8*	10/29/2014
WW.109001	2768951	4	9*	10/29/2014
WW.113022	2768950	4	9.2*	10/29/2014
WW.196766	2768964	4		10/29/2014
WW.130916	2768957	4	6*	10/30/2014
WW.108988	2775108	4	6.2*	10/30/2014
WW.102118	2775109	4	8*	10/30/2014
WW.102166	2775104	4	4*	10/31/2014
WW.113032	2775111	4	8*	10/31/2014
WW.124945	2775105	4	18.5*	11/4/2014
WW.127002	2775107	4	9.2*	11/6/2014
WW.110996	2775106	4	6.2*	11/6/2014
WW.109015	2775110	4	10.5*	11/7/2014
WW.131562	2775083	4	2.3*	11/7/2014
WW.102578	2821937	4	7.0	11/20/2014
WW.113246	2821544	4	7.5	11/20/2014
WW.109248	2821939	5	7.5	11/21/2014
WW.131188	2821943	4	8.0	11/21/2014
WW.105211	2821942	5	7.0	11/25/2014
WW.111200	2821941	5	7.0	11/25/2014
WW.101983	2821947	4	5.7	11/26/2014
WW.130062	2821944	4	12.0	11/26/2014
WW.101988	2821946	4	6.0	12/4/2014
WW.108931	2821949	4	7.7	12/4/2014
WW.118857	2821948	4	7.0	12/5/2014
WW.119675	2821945	4	10.0	12/5/2014
Not Labeled-New Manhole	2785535	4		12/11/2014
WW.112941	2686701	4		5/6/2014
Total	171			

Appendix C

2014 SSCC Completion Table

Project	Task Order #	Notice to Proceed	Final Completion	Total Cost
Cottonwood Creek at La Madrina	201316944	11/14/2013	5/29/2014	\$ 684,758
Sand Creek at Galley	201304370	2/18/2014	6/30/2014	\$ 1,273,051
Cottonwood Creek Sanitary Sewer& Stream Stabilization	201311458	8/12/2013	8/1/2014	\$ 1,195,875
Glen Eyrie Sanitary Sewer Realignment	201410213	7/10/2014	8/15/2014	\$ 149,868
Totals	4			\$ 3,303,553