



January 15, 2016

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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 2015)

Mr. Ryan:

Colorado Springs Utilities, the Southern Delivery System (SDS) Project Manager, hereby submits the attached Permit Compliance Annual Report for Calendar Year 2015. 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 Keith Riley at 719-668-8677, with any questions regarding the attached report.

Sincerely,

A handwritten signature in blue ink that reads 'John A. Fredell'.

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 Prenzlou, 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 2015

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 2016

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Acronyms and Abbreviations

1041 Permit	Pueblo County 1041 Permit No. 2008-002
BMPs	Best Management Practices
CPW	Colorado Parks and Wildlife
CDPHE	Colorado Department of Public Health and Environment
CWC	Colorado Wildlife Commission
CWCB	Colorado Water Conservation Board
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 remaining pipeline work packages was completed during the reporting period. 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. There was on-going effort to track compliance with programmatic permit/approval commitments and construction permit requirements.

Future SDS Activities

Anticipated activities for 2016 include completion of all facilities, completion of startup and commissioning for purposes of testing, system integration, operation of system and delivery of water 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:

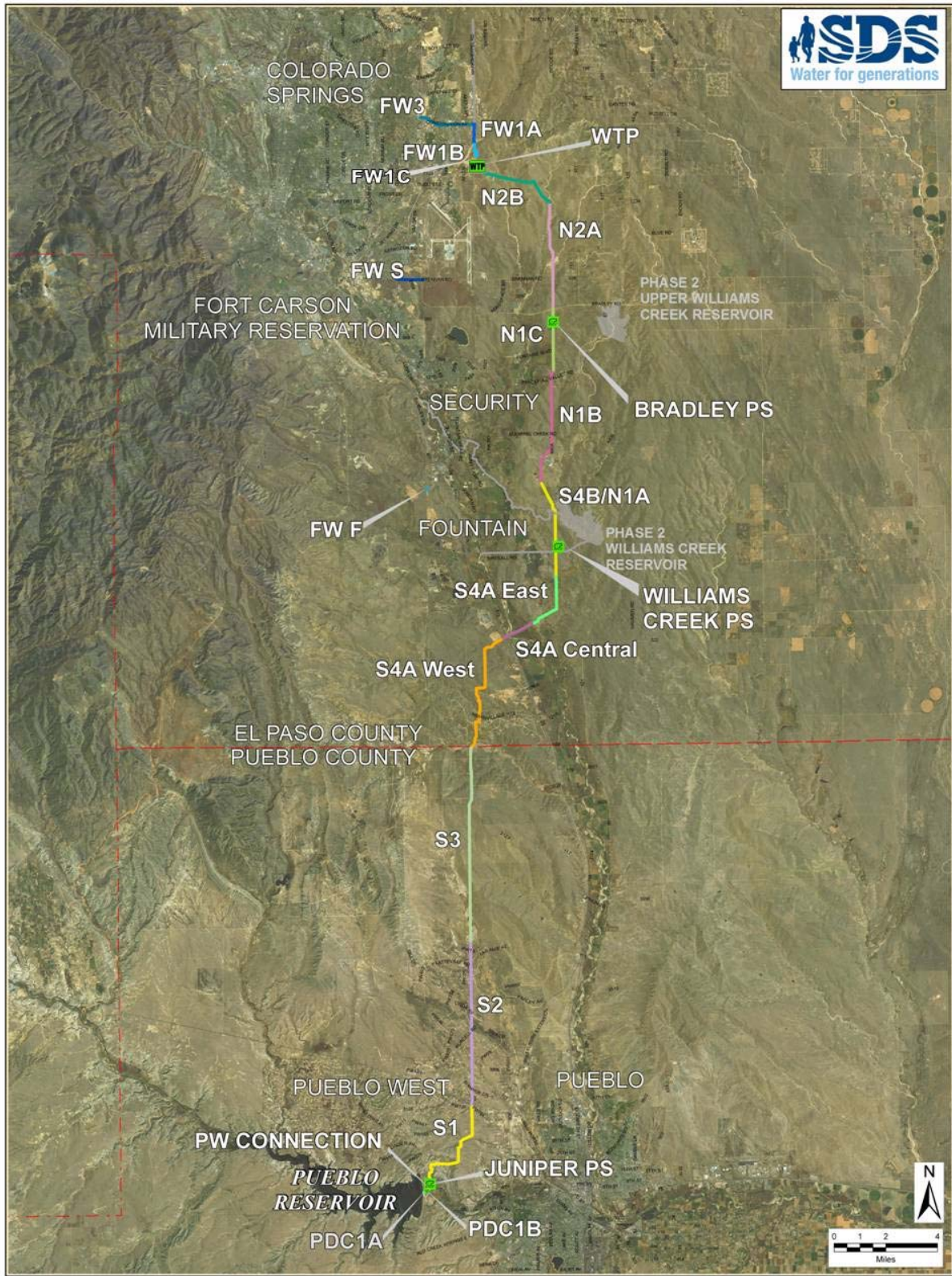
- 45 miles of raw water pipeline (66- and 72-inch diameter)
- Two 78-million-gallon-per-day (mgd) raw water pump stations and one 50-mgd raw water pump station (expandable in Phase 2)
- A water treatment plant (WTP) with a capacity of 50 mgd (expandable in Phase 2)
- Approximately seven miles of finished 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@pwm-d-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. On January 22, 2015, the USACE determined that the wetland mitigation project was established and complete.

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 2015

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 performance goals for the wetlands were met and approval of establishment and completion from the USACE was requested. On January 22, 2015, the USACE determined that the wetland mitigation project was established and complete. 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 maintenance of stormwater BMPs, irrigation and vegetation maintenance and removal of the irrigation system. 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 2015. Activities at S1 included BMP maintenance, maintenance of the revegetation, and removal of the irrigation system and work limit fencing. 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 through 2015. Activities at S2 included maintenance of BMPs, maintenance of the revegetation, and removal of irrigation system and work limit fencing. 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 2015. Activities included maintenance of BMPs, seeding, mulching, irrigation, and 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, and reached a final settlement with the major property owner regarding final restoration efforts. 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 were completed in 2014, while vegetation restoration and maintenance activities continued in 2015. Activities included maintenance of BMPs, vegetation restoration activities including seeding, mulching, irrigation and 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 2015. Construction activities include installation and maintenance of BMPs, pipe installation, excavation, shaft backfill, grading, grouting, welding, dewatering, and fiber optic installation, hydrotesting, seeding and mulching. 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 2015. Activities included maintenance of BMPs and vegetation restoration, including mowing, seeding, and mulching. 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 2015. Activities included BMP maintenance, fence repair, seeding and mulching, mowing and irrigation. The location of the N1C/N2A Pipeline is shown on Figure 1.

N2B

Construction activities on the N2B Pipeline continued in 2015. Construction activities included BMP installation and maintenance, clearing, grubbing, grading, excavation, dewatering, CLSM placement, pipe installation, welding, grouting, trench backfill, rip rap installation, seeding, mulching, installation and testing of an irrigation system, irrigation, and maintenance of revegetation. The location of the N2B Pipeline is shown on Figure 1.

FW1B

FW1B was completed in 2012, with repair work on the detention pond completed in 2014. Vegetation restoration and maintenance activities continued in 2015. The location of the FW1B Pipeline is shown on Figure 1.

FW1C

Construction activities on the FW1C Pipeline continued in 2015. Construction activities included BMP maintenance, grading, trench excavation, pipe installation, welding, grouting, backfill, installation of a vault, seeding, mulching, and maintenance of vegetation restoration. The location of the FW1C Pipeline is shown on Figure 1.

FW3

Construction activities were completed in October 2014 while revegetation restoration and maintenance activities continued in 2015. Activities included BMP maintenance. The location of the FW3 Pipeline is shown on Figure 1.

WTP

Construction of the SDS WTP continued in 2015. Activities included installation and maintenance of BMPs, excavation, installation of fiber optics, electrical work and yard piping, construction of the raw water tank and backwash recovery lagoons, the process building, finished water pump station, decant pump station, sediment drying beds, and delivery/installation of tanks and equipment. Vegetation restoration activities included seeding, mulching, and the planting of trees and shrubs. There were also startup and commissioning activities. 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 2015. 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 valves, pump motors, and steel decking, delivery/installation of equipment, startup and commissioning activities. 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.

- 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.
- Colorado Springs Utilities, or its selected contractors, continue to obtain a number of construction-related permits. Acquisition and compliance with programmatic permit/approval commitments and construction permit requirements are being tracked through the Environmental Management System (EMS).

4.0 Future SDS Activities

Anticipated activities for 2016 include:

- Completion of construction on all facilities.
- Completion of startup and commissioning activities. Activities will include testing of all systems.
- System Integration activities will continue. Activities will include training of employees.
- Operation of system and delivery of water to customers.
- Preparation of the 30% design of UWCR will continue in 2016, including geotechnical investigations.
- Pinello Wetland final design and construction planned for 2016, final completion anticipated in 2017.
- The two final cultural resource reports will be submitted to the Reclamation and the tribes.

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 Designated 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		CY2015 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		CY2015 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 364.7 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, and no coordination under the adaptive management plan is warranted. 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

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Reporting Requirements		CY2015 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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
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 included in this report because Section 14.0 of the approved IAMP indicates periodic reviews are to begin a minimum of 10 years following the initiation of the SDS Project operations.	Attachment 3 - Water Quality Monitoring Data
p. 13, Bullet 4	If the Colorado Department of Public Health and Environment (CDPHE) determines that operation of the SDS Project is causing significant adverse water quality effects, the Participants will coordinate with Reclamation, CDPHE, and other interested parties to evaluate and select measures to mitigate adverse effects.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No
p. 13, Bullet 5	In the event that operation of the SDS Project causes, or threatens to cause, stream flows in the Arkansas River or other waterways to diminish to low levels that will contribute significantly to elevated concentrations/densities of dissolved selenium, <i>E. coli</i> , or sulfate, the Participants will coordinate with Reclamation, CDPHE, CDOW, and other interested parties to evaluate and select measures to mitigate adverse effects.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No
p. 13, ¶1	Development and implementation of a water quality monitoring and adaptive management plan will provide a means of detecting changes in water quality, judging whether they are likely caused by operation of the SDS Project, and addressing actual effects in a systematic manner. Additionally, implementation of the geomorphology mitigation measures (below) will reduce suspended sediment and total recoverable iron concentrations in Fountain Creek and the lower Arkansas River.	This requirement is a summary statement of the specific water quality commitments described in the five bullets listed above. The Monitoring Plan, Geomorphic Mitigation Plan and IAMP have been completed. These plans were submitted to the Bureau of Reclamation in March 2011. The plans will be implemented during the construction and operation of the SDS in accordance with this commitment.	No

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Reporting Requirements		CY2015 Annual Report Information	
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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

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Reporting Requirements		CY2015 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 (CWCB) regarding what it believes to be reasonable mitigation actions. If the Participants and the Wildlife Commission agree on a mitigation plan, the Wildlife Commission will submit that agreement to the CWCB, which must adopt the agreement as the state's official position. If the Participants and the Wildlife Commission do not reach agreement on a mitigation plan, the CWCB will consider the plan submitted by the Participants and the recommendations of the Wildlife Commission, which then becomes the State's official position, or submit its own recommendations to the Governor, who will ultimately determine the state's official position on the proposed wildlife mitigation plan.	A Wildlife Mitigation Plan was developed in cooperation with the Colorado Division of Wildlife, which was then submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. The Colorado Wildlife Commission approved the Wildlife Mitigation Plan and the Colorado Water Conservation Board adopted it. A Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife, was executed May 18, 2010. CSU, in collaboration with Colorado Parks and Wildlife and the Colorado Wildlife Commission, is drafting an amendment to the SDS Fish and Wildlife Mitigation Plan (Plan) , Section 3.1.2 – Mitigation of Fish Retention Structures. This amendment is to allow for alternative mitigation efforts than what is currently in the Plan at Lake Henry and Lake Meredith.	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. CSU will make an \$7,500,000 payment in January 2016 to CPW for fish hatchery mitigation.	No

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Reporting Requirements		CY2015 Annual Report Information	
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p. 15, Bullet 4	Monitor the effects of the operation of the SDS Project upon aquatic life in Fountain Creek and the Arkansas River between Pueblo Dam and the Las Animas Gage. Aquatic sampling will be conducted once per year at up to 10 locations. Monitoring methods and locations will be identified in the proposed wildlife mitigation plan that will be submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. Use the information from this monitoring in the adaptive management program for the SDS Project.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No
p. 15, ¶1	When implemented, these recommendations will mitigate potential adverse effects on aquatic life by avoiding or minimizing effects, compensating for anticipated effects, and detecting and responding to effects identified after project operations begin.	This requirement is a summary statement of the specific aquatic life commitments described in the four bullets listed above. The SDS Participants will implement the Fish & Wildlife Mitigation Plan as well as the agreements from the MOA with the Colorado Department of Natural Resources during the construction and operation of SDS.	No
Participants' Commitments: Wetlands, Waters, and Riparian Vegetation			
p. 15, Bullet 1	Design final alignments and facilities to avoid and minimize wetland impacts.	The pipeline alignments and facilities are designed in accordance with the information that was submitted and approved by the USACE with the individual 404 permit application for SDS. The requirements of the 404 permit are included in the construction contract document for each work package, as applicable.	No
p. 15, Bullet 2	Assess alternative construction methods for pipeline crossings (i.e., directional drilling v. open cut) to minimize wetland and stream impacts.	Alternative construction methods for pipeline crossings were considered during the development of the individual 404 permit application for the SDS. The final design of pipeline crossings is in accordance with the information provided in the individual 404 permit where impacts to jurisdictional waters were described.	No
p. 16, Bullet 3	Mitigate impacts to jurisdictional and non-jurisdictional wetlands in areas of temporary, short-term effects such as pipeline crossings, on-site at the place of disturbance with similar wetlands and soils to replace existing wetland functions and values.	The construction contract documents for each work package, as applicable, include the 404 permit Nationwide Permit (NWP) 12 requirements for all temporary, short-term effects to jurisdictional and non-jurisdictional wetlands. The impacts 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

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Reporting Requirements		CY2015 Annual Report Information	
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p. 16, Bullet 4	Mitigate all unavoidable, permanent impacts to jurisdictional and non-jurisdictional wetlands with compensatory wetlands that replace existing wetland functions and values. Compensatory wetland mitigation will likely occur at the Clear Spring Ranch site on Fountain Creek downstream of the City of Fountain.	Colorado Springs Utilities procured engineering design services for the compensatory wetland mitigation project at the Clear Spring Ranch site. The SDS Participants presented the final design for Reclamation and USACE review and approval in April 2011. The jurisdictional wetlands mitigation project 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. On January 22, 2015, the USACE determined that the wetland mitigation project was established and complete. Some non-jurisdictional wetlands mitigation has been done as part of the Fountain Creek realignment project. The Pinello Ranch Wetland Mitigation design is in progress with a potential 9 acres of non-jurisdictional wetland mitigation planned.	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

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Reporting Requirements		CY2015 Annual Report Information	
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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
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 all pipeline and facility work packages. All of these work packages were, or 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

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Reporting Requirements		CY2015 Annual Report Information	
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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
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

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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
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

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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
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

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

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Reporting Requirements		CY2015 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

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Reporting Requirements		CY2015 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

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Reporting Requirements		CY2015 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 have incorporated this commitment into the construction contract documents for each of the work packages, as applicable. For Pueblo County work packages, the revegetation contractor coordinated with the construction contractor to begin revegetation efforts following substantial completion of each construction project. For El Paso County Work Packages, each construction contractor had a revegetation sub-contractor perform the work. Revegetation efforts have begun or been completed on all pipeline and facility 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

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Reporting Requirements		CY2015 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

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Reporting Requirements		CY2015 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Annual Report Requirement, Sub-Bullet b	Integrated Adaptive Management Plan	The Integrated Adaptive Management Plan (IAMP) has been completed and was submitted to the Bureau of Reclamation on March 18, 2011. The requirements of the IAMP will be coordinated with the development of the Phase II EMS that Colorado Springs Utilities will begin developing in the next reporting period. The requirements of the IAMP are not effective until SDS is operational.	No
Annual Report Requirement, Sub-Bullet c	Dust control report	The construction contract documents require the contractor to obtain an Air Pollution Emissions Notice (APEN) through the Colorado Department of Public Health & Environment and implement dust control measures as necessary to comply with the APEN requirements. Dust is monitored during routine inspections and only exceptions are reported to the County.	No
Annual Report Requirement, Sub-Bullet d	Weed control report	Noxious weed surveys are being completed as part of the final design and Site Development Plan processes. A noxious weed management plan is being provided to El Paso County as part of the Site Development Plan. The noxious weed management plan requirements are incorporated into the construction contract documents for each of the work packages.	No
Annual Report Requirement, Sub-Bullet e	Wildlife management report (any occurrences or actions regarding compliance with State or federal requirements)	Wildlife surveys are being completed as part of the Site Development Plan process. Habitat and species have been identified and proposed mitigation measures are identified in the wildlife survey report as necessary. Required mitigation measures will be initiated prior to construction. The construction contract documents provide direction to the contractor regarding how to handle sensitive wildlife species habitat that could be encountered during construction.	No
Annual Report Requirement, Sub-Bullet f	Cultural resources report (any occurrences or actions regarding compliance with State or federal requirements)	Class III cultural resource surveys have been completed for the NEPA corridor. In addition, a process has been initiated with Reclamation and SHPO to address cultural resource impacts as a result of construction of SDS in compliance with the Programmatic Agreement. Colorado Springs Utilities prepared a Treatment Plan which addresses how mitigation will be determined for each eligible or potentially eligible cultural resource site. The Treatment Plan was executed in June 2011.	No
Annual Report Requirement, Sub-Bullet g	Groundwater and surface water monitoring report addressing water quality and quantity	A Joint Funding Agreement was executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011. See Attachment 3 for the water quality monitoring data.	Attachment 3 - Water Quality Monitoring Data

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Reporting Requirements		CY2015 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 all pipeline and facility work packages. A third party contractor has conducted surveys and provided 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

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Reporting Requirements		CY2015 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 have been 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 have been 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
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

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Reporting Requirements		CY2015 Annual Report Information	
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Annual Report Requirement, Sub-Bullet i	Vegetation monitoring report (status of revegetation efforts)	Revegetation efforts continued for the FW3, FW1C and S4A Central 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. There were no emergency responses required during the reporting period.	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 have been incorporated into the construction contract documents for each of the work packages, as applicable. The contractor receives approval to work during non-typical work hours from the El Paso County Department of Transportation prior to the activity. Colorado Springs Utilities is tracking work which occurs during non-typical work hours through a log which includes a rationale by which the work was deemed necessary. See Attachment 6 for the Log of Work Occurring During Non-Typical Work Hours.	Attachment 6 - Log of Work Occurring During Non-Typical Work Hours

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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 was submitted to Pueblo County on January 28, 2015. The report for 2015 is being prepared and will be submitted to Pueblo County with this Annual Report on or before January 29, 2016.	Attachment 7 - Expenditures for Wastewater System Improvements Annual Report for 2015
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 2014, 1st Quarter 2015, 2nd Quarter 2015, and 3rd Quarter 2015 during this reporting period. The report for 4th Quarter 2015 is being prepared and will be submitted to Pueblo County by January 29, 2016.	No

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Reporting Requirements		CY2015 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. 	<p>Colorado Springs Utilities has prepared and submitted a quarterly report for 4th Quarter 2014, 1st Quarter 2015, 2nd Quarter 2015, and 3rd Quarter 2015 during this reporting period. The report for 4th Quarter 2015 is being prepared and will be submitted to Pueblo County by January 29, 2016. Copies of the quarterly reports are being provided to the BOR.</p>	No

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Reporting Requirements		CY2015 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 2015 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		CY2015 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Fountain Creek WFCGD - Resolution 2010-01			
Technical Advisory Committee Condition 2, p. 3 (Also Citizen Advisory Committee Condition 2)	<p>The Integrated Adaptive Management Plan (IAMP) shall be submitted to the District for review, and periodic reports on water quality and quantity shall be provided to the District.</p> <p>The Integrated Adaptive Management Plan (IAMP) will include how mitigation will be performed in case there are problems that were not anticipated during the project. This will include means and methods to address impacts from the project and specific triggers to initiate the process. Once the IAMP is finalized there will be an opportunity for comment.</p>	The IAMP has been completed and was submitted to the Bureau of Reclamation on March 18, 2011. The IAMP has been provided to the District.	No

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

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

ATTACHMENT 2

USGS Gauge Station No: 07106500

FOUNTAIN CREEK AT PUEBLO, CO

Pueblo County, Colorado

Hydrologic Unit Code 11020003

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

Drainage area 925 square miles

Gage datum 4,705 feet above sea level NGVD29

00060, Discharge, cubic feet per second,														
YEAR	Monthly mean in cfs (Calculation Period: 2014-10-01 -> 2015-09-30)												Annual Average Flow	Long-Term Average Annual Simulated Streamflow
	2014			2015										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
Mean of Monthly Discharge	168.5	99.7	91.5	119.3	122.6	147.8	183.1	1,634.2	1,058.1	405.0	262.5	83.7	364.7	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.
5. Data is provisional until it goes through the USGS quality assurance process.

Water Quality Monitoring Data

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

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Note	Ammonia	Selenium	Note
Standards (if applicable)									126		See Note		4.6	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20141002	7.3	612	9.3	8.1	445	8.4	5	730	> 2400		< 0.02	0.16	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20141104	13	615	10.3	8.3	320	4.3	3	770	> 2400		< 0.02	0.09	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20141203	9.9	613	10.6	8.5	372	2.1	4	360	690		<0.02	0.12	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150114	9.4	612	11.1	8.3	418	1.1	6	110	280		< 0.02	0.16	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150205	8.1	612	11	8.4	425	2.9	1	390	920		< 0.02	0.19	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150302	*e 9.5	607	11.4	8.2	451	0	37	84	2400		0.08	0.21	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150409	15	610	9.3	8.2	322	8.3	2	22	460		< 0.02	0.17	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150513	252	608	9.4	8	220	8.4	220	31	1300		<0.02	0.43	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150603	141	610	9.3	7.9	214	9.6	29	36	870		<0.02	0.37	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150706	78	614	8.3	7.8	183	14	24	350	17000		<0.02	0.18	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150811	30	617	8.5	7.8	256	13.8	43	1100	11000		<0.02	0.22	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20150902	26	612	8.5	8.2	270	13.4	5	1200	>2400		<0.02	0.17	
Standards (if applicable)									126		See Note		4.6	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20141003	32	620	8.3	8.6	625	17.1	15	500	8200		0.06	2.3	*2
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20141104	37	618	9.5	8.8	601	11.9	13	34	2000		0.19	1.8	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20141203	43	615	10.8	8.5	643	5.6	30	110	1700		0.04	2.6	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150114	42	616	11	8.4	1300	3.2	36	120	1200		0.09	4.1	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150209	30	612	9.2	8.7	720	12.9	8	66	410		0.06	2.9	*3
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150302	38	608	9.3	8.4	1100	10.2	16	390	1700		0.18	2.5	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150408	41	606	9.9	9	657	12.9	10	20	690		< 0.02	2.5	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150513	533	613	9	8.1	316	10.5	200	120	3100		<0.02	2	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150604	246	614	8.1	8.2	532	16.4	66	41	6500		<0.02	2.9	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150706	110	618	7.6	8.2	628	19	81	470	>24000		0.12	2.9	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150810	88	620	7.2	8.2	601	21.8	200	1700	>24000		0.04	2.8	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20150902	69	616	7.9	8.3	682	18.2	40	720	17000		0.11	2.5	
Standards (if applicable)									126		See Note		4.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20141007	38	616	7.8	8.4	613	17.5	74	1000	16000		0.03	1.9	*4
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20141103	56	613	9	8.4	644	9.6	22	98	2000		0.18	2.2	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20141204	59	614	10.3	8.3	714	5.2	30	80	820		0.02	3	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150107	44	627	11.4	8.2	986	0.8	29	170	2400		0.08	2.5	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150210	28	615	10.4	8.5	805	8	10	41	390		< 0.02	3.7	*5
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150303	36	610	10.8	8.2	1200	2.8	9	29	1100		0.03	2.9	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150408	57	608	10.2	8.4	580	9	4	66	250		< 0.02	2.2	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150514	852	615	9.8	7.9	290	7.4	190	170	4400		<0.02	1.5	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150604	454	615	8.3	8.2	428	15	52	140	4000		<0.02	2.3	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150708	227	616	8	8.2	450	15.5	39	530	16000		0.1	1.74	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150811	180	622	7.7	8.1	525	18.5	44	2000	>24000		0.02	1.9	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20150902	93	617	7.5	8.3	653	21.6	26	1900	24000		0.03	2.3	

Value above standard.

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Note	Ammonia	Selenium	Note
Standards (if applicable)									126		See Note		4.8	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20141007	86	618	7.7	8.2	685	19.2	21	590	14000		0.07	2.4	*6
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20141103	124	615	8.7	8.3	672	15.4	15	120	2000		0.12	2.1	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20141204	50	616	10.4	8.2	766	9.1	1	130	2400		0.04	2.9	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150107	106	629	10	8	917	7.5	16	250	2000		0.05	2.3	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150210	93	616	9.6	8.1	740	11.5	8	70	1200		0.04	2.5	*7
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150303	52	611	10.1	8.1	1060	7.1	15	230	2000		0.05	2.7	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150408	101	611	9.8	8.2	675	10.7		110	870		0.02	2.5	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150514	1090	617	9.5	7.9	438	9	150	250	6100		<0.02	2.7	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150604	510	617	8.3	8	513	15.9	53	130	4400		0.02	3	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150707	393	621	8.3	8	551	14.9	40	590	>24000		0.15	2.2	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150811	180	624	7.5	8	644	21	33	1600	>24000		0.04	2.3	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20150901	124	620	8.4	8	707	16.7	13	1200	>24000		0.04	2.5	
Standards (if applicable)									126		See Note		4.8	
FOUNTAIN CREEK AT SECURITY, CO	20141006	59	621	7.9	8.3	789	17	13	0		*1	0.51	3.1	*8
FOUNTAIN CREEK AT SECURITY, CO	20141103	96	620	8.4	8.5	736	14.1	24	290	> 2400		0.4	2.4	
FOUNTAIN CREEK AT SECURITY, CO	20141204	57	620	10.2	8.4	862	7	8	37	730		0.64	3.6	
FOUNTAIN CREEK AT SECURITY, CO	20150107	100	633	10.2	8.3	1010	3.9	43	250	> 2400		0.51	2.8	
FOUNTAIN CREEK AT SECURITY, CO	20150204	*e 59	624	10.2	8.3	907	6	15	36	520		0.38	3.5	*9
FOUNTAIN CREEK AT SECURITY, CO	20150303	88	616	9.8	8.4	1190	7.8	27	26	1000		0.33	3.2	
FOUNTAIN CREEK AT SECURITY, CO	20150408	107	612	9.1	8.8	751	15.5	14	16	410		0.18	3.1	
FOUNTAIN CREEK AT SECURITY, CO	20150515	1380	616	9	8.1	365	10.5	190	86	2900		<0.02	2	
FOUNTAIN CREEK AT SECURITY, CO	20150604	618	622	7.6	8.2	520	18.9	68	63	3300		<0.02	3	
FOUNTAIN CREEK AT SECURITY, CO	20150713	337	625	7.4	8.2	648	19.5	74	230	13000		0.1	3	
FOUNTAIN CREEK AT SECURITY, CO	20150812	181	628	7.5	8.1	723	20	53	530	24000		0.05	2.7	
FOUNTAIN CREEK AT SECURITY, CO	20150901	149	624	8	8.3	795	18.3	28	930	>24000		0.12	3	
Standards (if applicable)									126		See Note		4.8	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20141008	83	627	8.4	8.4	827	14.3	22	160	5200		0.11	2.7	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20141106	106	634	9.5	8.4	809	8.6	19	88	> 2400		0.03	2.5	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20141208	75	630	10.4	8.4	912	7.2	9	35	830		0.22	3.3	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150106	118	633	10	8.5	1260	3.8	69	570	1000		0.21	3.1	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150202	83	625	10.2	8.3	984	7.1	16	46	1400		0.12	3.4	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150305	71	629	11.2	8.2	1310	1	27	52	1000		0.12	3.8	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150406	90	619	9.2	8.4	840	12.5	16	12	650		0.08	3	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150515	1290	619	8.8	8.2	416	13.4	220	85	3400		<0.02	1.9	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150605	538	629	8	8	536	15.2	190	1500	>24000		0.03	3.1	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150709	419	628	7.8	8.1	668	16.8	140	550	24000		0.03	2.7	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150812	212	632	6.6	8.2	824	24.9	87	630	55000		0.03	2.9	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20150901	145	630	7.1	8.2	994	23.2	38	630	24000		0.02	3.1	

Value above standard.

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Note	Ammonia	Selenium	Note
Standards (if applicable)									126		See Note		4.8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20141003	65	633	7.8	8.4	953	17.5	41	160	5500		0.03	3.6	*10
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20141106	110	636	9.3	8.4	873	10.7	18	36	1700		0.02	2.7	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20141208	77	630	10.4	8.4	964	8.1	20	9	660		0.1	3.8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150106	113	634	10.5	8.3	1230	5	74	690	> 2400		0.24	3.4	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150204	92	633	10.6	8.3	1020	4.7	16	28	1300		0.02	3.7	*11
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150305	97	632	11.2	8.3	1300	3.6	28	3	1000		0.08	4.1	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150406	92	622	8.4	8.4	895	16.8	14	4	440		0.02	3.2	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150515	1280	620	8.6	8.2	420	14.1	280	150	4900		<0.02	2.8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150605	944	631	7.8	8.1	570	17.5	200	1100	>24000		<0.02	4.2	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150709	534	630	7.4	8.2	715	20.1	160	620	17000		0.02	3.2	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150812	246	634	6.3	8.1	863	27.4	86	410	37000		<0.02	3.4	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20150901	134	629	7	8.4	997	25.3	49	660	14000		<0.02	3.4	
Standards (if applicable)									126		See Note		4.8	
FOUNTAIN CREEK NEAR PINON, CO	20141008	58	636	8	8.4	1050	19.4	47	160	3900		0.02	3.6	*12
FOUNTAIN CREEK NEAR PINON, CO	20141106	112	643	9	8.4	985	12.4	49	23	> 2400		0.02	2.9	
FOUNTAIN CREEK NEAR PINON, CO	20141208	85	640	10	8.4	1060	8.8	28	55	1000		0.03	4.4	
FOUNTAIN CREEK NEAR PINON, CO	20150106	134	641	10.6	8.3	1020	5.3	150	99	> 2400		0.23	3.8	
FOUNTAIN CREEK NEAR PINON, CO	20150202	106	634	9.9	8.3	1090	8.2	42	10	730		0.04	4.2	*13
FOUNTAIN CREEK NEAR PINON, CO	20150305	86	639	10.7	8.3	1220	6.4	35	2	580		0.04	4.6	
FOUNTAIN CREEK NEAR PINON, CO	20150406	100	629	7.8	8.3	1010	19.6	39	10	370		< 0.02	3.7	
FOUNTAIN CREEK NEAR PINON, CO	20150515	*e 1,270	628	8.4	8.2	485	14.3	380	120	7300		<0.02	2.5	
FOUNTAIN CREEK NEAR PINON, CO	20150605	*e 1,170	638	7.3	8	591	19.8	440	4100	>24000		<0.02	3.7	
FOUNTAIN CREEK NEAR PINON, CO	20150713	455	637	6.7	8.2	786	25.2	290	300	>24000		0.03	3.7	
FOUNTAIN CREEK NEAR PINON, CO	20150813	221	641	7.3	8.2	907	21.1	140	410	26000		0.03	3.2	
FOUNTAIN CREEK NEAR PINON, CO	20150902	133	635	6.6	8.4	930	27.7	110	1200	>24000		<0.02	3.1	
Standards (if applicable)									126		See Note		4.8	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20141001	110	639	8.2	8.3	1050	17.9	170	2200	20000		0.03	4.3	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20141105	134	648	9.5	8.6	1070	11.5	40	21	2400		< 0.02	3.5	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20141209	93	647	11.2	8.4	1160	2.5	22	8	870		<0.02	5	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150106	165	646	10.4	8.5	1100	6.4	160	93	1000		0.19	4.8	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150210	121	640	9.2	8.6	1120	12.6	41	10	550		<0.02	5.2	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150305	131	645	10.3	8.4	1230	7	50	2	2400		0.02	5.2	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150407	90	636	8	8.3	1100	18.1	29	8	340		<0.02	5.1	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150514	*e 1,700	639	8.2	8.2	547	15	750	330	16000		<0.02	3.3	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150602	*e 980	642	8	8.2	711	17.5	340	86	>24000		<0.02	4.5	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150707	671	647	7.9	8.1	795	17.8	850	3500	160000		0.02	3.5	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150813	226	647	6.2	8.3	929	29.9	150	52	6900		<0.02	3.6	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20150903	119	641	8.2	8.3	1060	18.1	120	350	17000		0.04	4.3	

Value above standard.

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Note	Ammonia	Selenium	Note
Standards (if applicable)									126		See Note		28.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20141002	59	643	7.5	8.4	1180	21	90	710	6900		0.02	8.7	*14
FOUNTAIN CREEK AT PUEBLO, CO.	20141105	119	648	9.3	8.6	1100	12.8	38	11	2000		< 0.02	6.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20141205	80	647	9.6	8.4	1180	9.2	26	6	870		<0.02	9	
FOUNTAIN CREEK AT PUEBLO, CO.	20150108	132	643	11.1	8.3	1220	4.9	120	20	2600		0.09	7.2	
FOUNTAIN CREEK AT PUEBLO, CO.	20150203	126	641	10	8.4	1210	8.9	43	8	420		< 0.02	8.2	*15
FOUNTAIN CREEK AT PUEBLO, CO.	20150303	145	638	9.9	8.4	1320	7.4	67	2	440		0.03	7.2	
FOUNTAIN CREEK AT PUEBLO, CO.	20150406	111	635	8	8.5	1140	18.4	31	< 10	370		< 0.02	8.4	
FOUNTAIN CREEK AT PUEBLO, CO.	20150514	1760	639	8.1	8.2	574	15.4	780	260	14000		<0.02	4.8	
FOUNTAIN CREEK AT PUEBLO, CO.	20150608	1170	647	8.1	8.1	657	17.2	510	1600	>24000		<0.02	4.6	
FOUNTAIN CREEK AT PUEBLO, CO.	20150710	2790	644	7.6	7.9	645	17.8	990	22000	>240000		0.1	4.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20150813	255	646	6.2	8.3	981	29.3	160	350	>24000		<0.02	5.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20150902	152	642	6.9	8.4	1050	25.1	250	1100	>24000		0.02	6.1	
Standards (if applicable)									126		See Note		28.1	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20141001	109	641	8.3	8.3	1090	15.3	220	1700	10000		0.02	7.3	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20141105	124	650	10	8.6	1140	9.4	38	14	2400		<0.02	6.2	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20141205	86	647	9.6	8.5	1200	10	22	2	580		<0.02	9.5	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150106	150	649	10.4	8.3	1150	6	180	93	>2400		0.19	7.7	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150203	110	643	10.6	8.4	1230	6.3	46	12	550		0.02	8.9	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150306	112	649	9.9	8.4	1330	9.9	40	1	270		<0.02	9.9	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150407	93	640	8.4	8.3	1190	16.8	30	5	360		<0.02	8.9	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150514	*e 1,760	642	8.4	8.2	589	14.6	810	400	24000		<0.02	4.2	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150602	*e 830	643	8.2	8.1	735	16.3	370	210	>24000		<0.02	4.2	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150710	*e 2,900	645	7.6	8	598	18.2	990	29000	>240000		0.09	3.4	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150813	264	649	6.7	8.2	952	26.4	190	850	39000		0.02	5.2	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20150901	132	643	6.5	8.5	1090	28.4	130	180	16000		<0.02	6.7	
Standards (if applicable)									126		See Note		17.1	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20141001	340	642	8.4	8.3	378	17.4	4	39	> 2400		< 0.02	5.4	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20141105	198	650	10.4	8.6	447	11	8	21	1100		< 0.02	6.9	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20141205	68	647	13	8.8	568	7.4	0	580	2000		<0.02	12.6	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150108	89	644	13.1	8.5	541	2.6	0	17	390		< 0.02	15.8	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150203	70	644	12.1	8.5	570	4.6	2	16	190		0.03	17.8	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150306	178	650	12.4	8.3	493	3.6	1	10	180		< 0.02	12	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150407	323	641	12.2	8.6	429	7.5	1	< 1	210		< 0.02	6.4	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150501	799	647	11.5	8.7	426	10.5	0	8	390		0.07	4.9	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150608	4330	648	9.5	8.2	430	14.4	10	84	2000		0.05	4.5	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150710	3460	644	8.4	8.1	279	18.4	18	30	5800		<0.02	2.2	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150813	1040	647	8	8.5	362	22.3	11	250	>24000		<0.02	3.9	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20150901	578	644	8.3	9.1	388	23.2	4	28	>2400		0.03	4.2	

Value above standard.

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Note	Ammonia	Selenium	Note
Standards (if applicable)									126		See Note		14.1	
ARKANSAS RIVER NEAR AVONDALE, CO.	20141001	639	644	7.8	8.2	630	15.3	200	2100	24000		< 0.02	7	
ARKANSAS RIVER NEAR AVONDALE, CO.	20141105	487	652	9.5	8.4	771	8.8	22	34	2400		0.03	7.3	
ARKANSAS RIVER NEAR AVONDALE, CO.	20141205	270	651	11.8	8.3	949	6	95	16	770		<0.02	12.6	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150108	298	647	11.6	8.2	968	1	41	61	2000		0.1	11.5	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150203	287	646	11.1	8.3	1000	3	24	11	270		<0.02	12.3	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150306	373	654	11.5	8.3	886	2.7	20	15	490		0.02	11.8	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150407	491	644	9.6	8.2	689	10.5	18	6	380		<0.02	8.4	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150501	1630	650	8.9	8.3	528	12.4	200	110	4600		0.32	4.7	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150608	5120	651	8.5	8.1	502	15.1	150	260	>24000		0.04	5	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150710	4720	648	7.7	8.1	393	18.8	130	440	20000		<0.02	2.9	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150814	1520	651	6.8	8.1	613	24.2	580	2000	140000		0.02	6.7	
ARKANSAS RIVER NEAR AVONDALE, CO.	20150903	778	646	8	8.3	630	20.3	42	51	24000		<0.02	5.7	

Value above standard.

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.

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Note	Ammonia	Selenium	Note
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- * QA Notes by #:
- *e. The value has been edited or estimated by USGS personnel.
- *1. Bacteria read late; Reviewed and rejected due to being outside the allowable time.
- *2. Rerun completed; value verified.
- *3. Rerun completed; Value verified.
- *4. Rerun requested 1/10/15.
- *5. Rerun completed; Value verified.
- *6. Rerun requested 1/10/15.
- *7. Rerun completed; Value verified.
- *8. Rerun within acceptable precision.
- *9. Rerun completed; Value verified.
- *10. Rerun within acceptable precision.
- *11. Rerun completed; Value verified.
- *12. Rerun within acceptable precision.
- *13. Rerun completed; Value verified.
- *14. Waiting on rerun results, requested 12/19/14.
- *15. Rerun completed; Value verified.

Complaint Log

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	2/4/2015	Andrea at Midway	Cattle grazing on Thomas Stevens land that SDS revegetated	Contacted Mr.Stevens and found out that he was permitting neighbor to graze on his land. He was informed that it is his choice, but if the reveg suffers on his land then it has been documented that he is choosing to graze on it. He said he understood and didn't hold SDS responsible.	None requested	Mr. Stevens thanked us for the call. Responded also to Andrea, who thanked us for our effort.
EPC	2/13/2015	Lisa Eastep, neighbor of BPS	Ms. Eastep wanted to ask that Bradley Road be kept swept free of gravel dirt at entry of BPS	Contacted staff at BPS and equipment was dispatched to sweep Bradley within 30 minutes. Mrs. Eastep also mentioned that she has two rock chips in her windshield that she feels are related to this issue.	Have asked for Bradley to be kept swept and also mentioned to Mrs. Eastep that it would be looked into whether SDS could pay for repair of her rock chips.	Mrs. Eastep seemed satisfied and asked to be kept up to date.
EPC	3/3/2015	Mrs. Eastep near BPS	Bradley Road needs sweeping again.	Contacted BPS team and discussed other options available to to keep Bradley Road swept. Conversations over the next several days led in part to new tracking pad installation at BPS	Mrs. Eastep was grateful and asked us to stay in touch. Also arranged to get rock chip repaired.	Caller seemed satisfied
EPC	3/25/2015	Rik Noring from Corvette Center	Caller was making SDS aware of some rain runoff at the site and impacts to the nearby frontage road.	Worked with the contractor to mobilize a cleanup team to clean the road and check BMPs.	Mr. Noring thanked SDS for the response.	Called seemed satisfied.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	8/31/2015	Mr. Burke, property owner near Jaroso and Purcell.	Calling to inform SDS that there is a small section of easement on his property that needed revegetation established near the road.	The reveg team inspected the area and talked with Mr. Burke about some options. The team made plans to bring equipment to rough up the soil and plant new seed, then place straw bales near the road to keep motorists	The work activity was complete within a week. The team updated Mr. Burke on the status.	Mr. Burke was very satisfied with the teams efforts and quickness to address the concern.
EPC	8/31/2015	Georgia Key	Calling to inform SDS that the revegetation area is overgrown and needs maintenance.	The reveg team mobilized a tractor to cut the area and a future reseeding was scheduled.	The work activity was completed within a week.	Mrs. Key was satisfied with the teams efforts.
PC	9/25/2015	Mr. Maxwell on Kirkwood Drive	Mr. Maxwell spoke during Pueblo County Public Hearing to complain about grading on his property.	Mr. Maxwell was sick and didn't meet with SDS until 12/2 to view the area. SDS staff met with him to view his concern that was centered on the trail area along the property.	SDS, PWMD, and Pueblo County met with Maxwell at the property. The area along the trail was repaired.	Mr. Maxwell said he was satisfied with the results.
PC	10/24/2015	Mr. Holcomb on Linda Drive	Question about trucks hauling rock on streets through the neighborhood headed for north S2.	Apologized for hauling happening on the weekend and offered to get details of activity	Called back and explained the timing and dust-control measures being taken	Mr. Holcomb said he was satisfied
EPC	10/28/2015	David Harmer	Mr. Harmer had questions about calibration activities at the WTP, related water discharges, and erosion control.	SDS met with Mr. Harmer to discuss and address his questions.	Mr. Harmer is working with SDS representatives until activities for the WTP are complete.	Mr. Harmer appreciates SDS continuing to work with him.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	12/8/2015	Mr. Walsh on Kirkwood Drive	Mr. Walsh spoke during Pueblo County Public Hearing to complain about grading on his property.	SDS, PWMD, and Pueblo County met with Mr. Walsh at his property to discuss his concern. No action was taken.	None requested.	Parties seemed satisfied.
EPC	12/21/2015	Matt Clough	Mr. Clough emailed to let SDS know that he's planning on moving cattle to the field near the WTP and the perimeter fence is down where the fence contractor recently installed the plants permanent fence.	Worked with construction manager and contractor to mobilize a repair.	Property walk scheduled with ranch hand	Parties 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
JPS	Saturday	1/10/2015	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	1/17/2015	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	1/24/2015	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	1/31/2015	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	2/7/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	2/14/2015	7:00 a.m. - 4:30 p.m.	Maintaining construction schedule
JPS	Saturday	2/21/2015	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	3/7/2015	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	3/21/2015	7:00 a.m. - 5:00 p.m.	Maintaining construction schedule
JPS	Sunday	3/22/2015	7:00 a.m. - 4:00 p.m.	Maintenance
JPS	Saturday	3/28/2015	7:00 a.m. - 4:00 p.m.	Maintaining construction schedule
JPS	Saturday	4/11/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	4/18/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	4/25/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	5/2/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	5/9/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	5/16/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	6/6/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	6/13/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	6/20/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	6/27/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	7/11/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	7/18/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
JPS	Saturday	8/22/2015	7:00 a.m. - 3:30 p.m.	Maintaining construction schedule
BPS	Sunday	3/8/2015	7:00 a.m. - 3:30 p.m.	Concrete related work
BPS	Tuesday	3/10/2015	6:00 p.m. - 8:30 p.m.	Complete Deep Anode Well
BPS	Wednesday	4/29/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	4/30/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	5/1/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Saturday	5/2/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	5/4/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	5/5/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	5/6/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	5/7/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	5/8/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Saturday	5/9/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	5/11/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	5/12/2015	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	Wednesday	5/13/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	5/14/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	5/15/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Saturday	5/16/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	5/18/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	5/19/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	5/20/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	5/21/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	5/22/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	5/26/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	5/27/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	5/28/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	5/29/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Saturday	5/30/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	6/1/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	6/2/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	6/3/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	6/4/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	6/5/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	6/8/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	6/9/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	6/10/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	6/11/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	6/12/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Saturday	6/13/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	6/15/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	6/16/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	6/17/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	6/18/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	6/19/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	6/22/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	6/23/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	6/24/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	6/25/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	6/26/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Saturday	6/27/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	6/29/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	6/30/2015	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	Wednesday	7/1/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	7/2/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	7/6/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	7/7/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	7/8/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	7/9/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	7/10/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	7/13/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	7/14/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	7/15/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	7/16/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	7/17/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	7/20/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	7/21/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	7/22/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	7/23/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	7/24/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	7/27/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	7/28/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	7/29/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	7/30/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	7/31/2015	6:00 a.m. - 7:00 a.m.	Concrete related work
BPS	Monday	8/3/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Tuesday	8/4/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Wednesday	8/5/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Thursday	8/6/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Friday	8/7/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Monday	8/10/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Tuesday	8/11/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Wednesday	8/12/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Thursday	8/13/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Friday	8/14/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Monday	8/17/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Tuesday	8/18/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Wednesday	8/19/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Thursday	8/20/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Friday	8/21/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Monday	8/24/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work

Work Occurring During Non-Typical Work Hours

Work Package	Day	Date	Hours Worked	Reason
BPS	Tuesday	8/25/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Wednesday	8/26/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Thursday	8/27/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Friday	8/28/2015	6:30 a.m. - 7:00 a.m.	For Start Up Work
BPS	Sunday	8/30/2015	7:00 a.m. - 1:00 p.m.	Water Treat Lime Stabilization
BPS	Monday	8/31/2015	6:30 a.m. - 7:00 a.m.	Concrete related work
BPS	Tuesday	9/1/2015	6:30 a.m. - 7:00 a.m.	Concrete related work
BPS	Wednesday	9/2/2015	6:30 a.m. - 7:00 a.m.	Concrete related work
BPS	Thursday	9/3/2015	6:30 a.m. - 7:00 a.m.	Concrete related work
BPS	Friday	9/4/2015	6:30 a.m. - 7:00 a.m.	Concrete related work
BPS	Sunday	9/6/2015	7:00 a.m. - 1:00 p.m.	Water Treat Lime Stabilization
BPS	Sunday	9/13/2015	9:00 a.m. - 10:00 p.m.	Water Treat Lime Stabilization

Expenditures for Wastewater System Improvements Annual Report for 2015



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

January 14, 2016

Reporting for the period between January 1, 2015 and December 31, 2015

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APPENDIX A – LCERP COMPLETION TABLE

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APPENDIX D – 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 2015 the projects that met the terms of Condition No. 7 are: 1) the Local Collectors Evaluation and Rehabilitation Project (LCERP); 2) the Manhole Evaluation and Rehabilitation Project (MHERP); and 3) the Collection System Rehabilitation and Replacement Project (R&R). These projects are independent of Springs Utilities' normal operation and maintenance programs.

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 91,818 feet of less than 10-inch sewer pipe, representing approximately 346 line segments, at a cost of \$4,152,408 in 2015.

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 81 manholes, at a cost of \$130,210 in 2015.

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.

R&R repaired or rehabilitated approximately 3,398 feet of greater than 10-inch sewer pipe, representing 10 line segments, at a cost of \$1,152,151 in 2015.

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 2015.

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 122 sanitary sewer creek crossings and/or longitudinal pipelines.

In 2015, SSCC repaired or rehabilitated 8 creek crossings projects, at a cost of \$3,306,495.

Summary

During the reporting period of January 1, 2015 through December 31, 2015 costs for LCERP, MHERP, R&R and SSCC totaled \$8,741,264. The total Wastewater Expenditures reported since 2010 is \$47,427,271.

Appendix A

2015 Local Collectors Evaluation and Rehabilitation Program Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.157383	2696015	8	322	CIPP	SOUTH TEJON	05/14/15
WW.145196	2696016	8	309	CIPP	SOUTH TEJON	05/14/15
WW.153299	2697566	8	200	CIPP	SOUTH TEJON	05/15/15
WW.149809	2695990	8	314	CIPP	SPRING CREEK	03/24/15
WW.141557	2695982	8	71	CIPP	SPRING CREEK	03/24/15
WW.149812	2695991	8	272	CIPP	SPRING CREEK	03/25/15
WW.159977	2695974	8	159	CIPP	SPRING CREEK	03/25/15
WW.157957	2695977	8	169	CIPP	SPRING CREEK	06/11/15
WW.141558	2695983	8	92	CIPP	SPRING CREEK	06/02/15
WW.153802	2695980	8	87	CIPP	SPRING CREEK	06/04/15
WW.155854	2695981	8	126	CIPP	SPRING CREEK	06/03/15
WW.143654	2695985	8	84	CIPP	SPRING CREEK	06/03/15
WW.135018	2700428	8	127	CIPP	SPRING CREEK	03/19/15
WW.155852	2700433	8	72	CIPP	SPRING CREEK	06/04/15
WW.137474	2700434	8	95	CIPP	SPRING CREEK	06/11/15
WW.151809	2695949	8	146	CIPP	SPRING CREEK	05/28/15
WW.154850	2696005	8	111	CIPP	UPPER SAND CREEK	05/27/15
WW.152938	2710076	8	174	CIPP	UPPER SAND CREEK	06/02/15
WW.146930	2710078	8	187	CIPP	UPPER SAND CREEK	06/02/15
WW.144859	2710116	8	359	CIPP	UPPER SAND CREEK	06/03/15
WW.148906	2710103	8	69	CIPP	UPPER SAND CREEK	03/27/15
WW.161137	2710093	8	198	CIPP	UPPER SAND CREEK	05/28/15
WW.158273	2710088	8	280	CIPP	UPPER SAND CREEK	06/05/15
WW.159083	2710092	8	268	CIPP	UPPER SAND CREEK	06/05/15
WW.163164	2710108	8	389	CIPP	UPPER SAND CREEK	06/04/15
WW.158274	2710110	8	380	CIPP	UPPER SAND CREEK	05/29/15
WW.148908	2709943	8	342	CIPP	UPPER SAND CREEK	06/01/15
WW.154942	2709950	8	172	CIPP	UPPER SAND CREEK	06/01/15
WW.133261	2709899	8	397	CIPP	UPPER SAND CREEK	05/29/15
WW.146935	2709940	8	159	CIPP	UPPER SAND CREEK	03/26/15
WW.159084	2709958	8	315	CIPP	UPPER SAND CREEK	03/26/15
WW.133263	2709900	8	211	CIPP	UPPER SAND CREEK	03/27/15
WW.139816	2709931	8	210	CIPP	UPPER SAND CREEK	06/05/15
WW.140918	2750797	8	302	CIPP	BOTT	06/17/15
WW.140928	2750749	8	195	CIPP	BOTT	06/14/15
WW.149219	2750824	8	303	CIPP	BOTT	06/15/15
WW.137798	2750820	8	326	CIPP	BOTT	06/14/15
WW.133805	2750741	8	191	CIPP	BOTT	03/20/15
WW.133807	2750828	8	172	CIPP	BOTT	06/12/15
WW.149681	2750822	8	103	CIPP	BOTT	06/18/15
WW.163424	2750799	8	340	CIPP	BOTT	06/15/15
WW.153221	2750823	8	155	CIPP	BOTT	06/14/15
WW.153231	2750830	8	378	CIPP	BOTT	03/20/15
WW.159404	2750821	8	286	CIPP	BOTT	03/20/15
WW.163447	2750769	8	231	CIPP	BOTT	03/20/15
WW.163919	2750770	8		CIPP	BOTT	05/14/15
WW.161872	2750798	8	144	CIPP	BOTT	06/14/15
WW.161871	2750774	8	258	CIPP	BOTT	05/14/15
WW.154474	1825824	8	501	CIPP	GARDEN OF THE GODS	06/11/15
WW.148467	1858827	8	231	CIPP	PATTY JEWETT	06/10/15
WW.160704	1858828	8	325	CIPP	PATTY JEWETT	06/10/15
WW.148010	1952262	8	360	CIPP	WEST SIDE	06/11/15
WW.132213	1956313	8	302	CIPP	NORTH SUBURBAN	05/12/15
WW.153400	1856967	8	345	CIPP	NORTH SUBURBAN	06/15/15
WW.147719	1935914	8	427	CIPP	SHOOKS RUN	06/15/15
WW.134690	1822015	8	406	CIPP	SHOOKS RUN	07/15/15
WW.175839	1804649	8	432	CIPP	SHOOKS RUN	07/15/15
WW.157885	1818499	8	293	CIPP	LOWER SAND CREEK	07/14/15
WW.159848	1797302	8	285	CIPP	SHOOKS RUN	07/14/15
WW.139344	1825306	8	200	CIPP	SHOOKS RUN	06/16/15
WW.134893	1852243	8	319	CIPP	LOWER SAND CREEK	06/02/15
WW.155796	2846070	8	320	CIPP	LOWER SAND CREEK	06/02/15
WW.141500	2846071	8	312	CIPP	LOWER SAND CREEK	06/03/15
WW.137418	2846072	8	173	CIPP	LOWER SAND CREEK	06/03/15
WW.163991	2846073	8	100	CIPP	LOWER SAND CREEK	06/03/15
WW.161950	2846074	8	124	CIPP	LOWER SAND CREEK	06/03/15
WW.134892	2846075	8	34	CIPP	LOWER SAND CREEK	06/03/15
WW.137419	2846077	8	145	CIPP	LOWER SAND CREEK	06/04/15
WW.143594	2846078	8	133	CIPP	LOWER SAND CREEK	06/04/15
WW.143595	2846079	8	271	CIPP	LOWER SAND CREEK	06/04/15
WW.168687	1852268	8	247	CIPP	LOWER SAND CREEK	07/13/15

2015 Local Collectors Evaluation and Rehabilitation Program Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.151873	1852276	8	427	CIPP	LOWER SAND CREEK	06/05/15
WW.155097	2846433	8	126	CIPP	LOWER COTTONWOOD CREEK	07/13/15
WW.142919	2846434	8	253	CIPP	LOWER COTTONWOOD CREEK	07/13/15
WW.151090	2846422	8	413	CIPP	LOWER COTTONWOOD CREEK	07/14/15
WW.142920	2846446	8	272	CIPP	LOWER COTTONWOOD CREEK	07/14/15
WW.161306	2846448	8	292	CIPP	LOWER COTTONWOOD CREEK	07/14/15
WW.161305	2846439	8	33	CIPP	LOWER COTTONWOOD CREEK	07/15/15
WW.147114	2846447	8	272	CIPP	LOWER COTTONWOOD CREEK	10/13/15
WW.145050	2846437	8	238	CIPP	LOWER COTTONWOOD CREEK	07/15/15
WW.133587	2846436	8	76	CIPP	GARDEN OF THE GODS	07/15/15
WW.157888	2846453	8	277	CIPP	LOWER SAND CREEK	09/23/15
WW.149761	2846452	8	262	CIPP	LOWER SAND CREEK	09/24/15
WW.145694	2846451	8	304	CIPP	LOWER SAND CREEK	09/24/15
WW.163993	2846450	8	417	CIPP	LOWER SAND CREEK	09/24/15
WW.157263	2846449	8	378	CIPP	TEMPLETON GAP	06/22/15
WW.133688	1927715	8	182	CIPP	TEMPLETON GAP	06/23/15
WW.142974	1927717	8	200	CIPP	TEMPLETON GAP	06/23/15
WW.157269	1952371	8	262	CIPP	TEMPLETON GAP	06/24/15
WW.161361	1952368	8	380	CIPP	TEMPLETON GAP	06/25/15
WW.149151	1953102	8	400	CIPP	TEMPLETON GAP	06/26/15
WW.136800	1930962	8	429	CIPP	TEMPLETON GAP	07/07/15
WW.150127	1930956	8	415	CIPP	TEMPLETON GAP	07/08/15
WW.154058	1908766	8	400	CIPP	TEMPLETON GAP	07/09/15
WW.154059	1908768	8	372	CIPP	TEMPLETON GAP	07/09/15
WW.133719	1930954	8	286	CIPP	TEMPLETON GAP	07/16/15
WW.149167	1928097	8	162	CIPP	TEMPLETON GAP	07/17/15
WW.159349	1928100	8	191	CIPP	TEMPLETON GAP	07/17/15
WW.144539	1927718	8	211	CIPP	TEMPLETON GAP	07/16/15
WW.140391	1944346	8	293	CIPP	TEMPLETON GAP	07/20/15
WW.132721	1927121	8	299	CIPP	TEMPLETON GAP	07/20/15
WW.158824	2846455	8	120	CIPP	TEMPLETON GAP	09/15/15
WW.160877	1903595	8	277	CIPP	TEMPLETON GAP	09/15/15
WW.160875	1903586	8	300	CIPP	TEMPLETON GAP	09/14/15
WW.160878	1895709	8	412	CIPP	TEMPLETON GAP	11/16/15
WW.146626	1930538	8	402	CIPP	TEMPLETON GAP	10/01/15
WW.142457	1930660	8	447	CIPP	TEMPLETON GAP	10/02/15
WW.162892	1930923	8	162	CIPP	TEMPLETON GAP	09/15/15
WW.160940	1930928	8	272	CIPP	TEMPLETON GAP	10/06/15
WW.136357	2846456	8	269	CIPP	TEMPLETON GAP	10/06/15
WW.138416	1930943	8	359	CIPP	TEMPLETON GAP	10/05/15
WW.140436	1923698	8	461	CIPP	TEMPLETON GAP	10/07/15
WW.142517	1947145	8	222	CIPP	TEMPLETON GAP	10/06/15
WW.147195	1959486	8	172	CIPP	TEMPLETON GAP	10/07/15
WW.197943	2952489	8	204	CIPP	TEMPLETON GAP	10/07/15
WW.135616	2952488	8	192	CIPP	TEMPLETON GAP	10/07/15
WW.148909	2882997	8	311	CIPP	UPPER SAND CREEK	08/20/15
WW.154951	2883117	8	125	CIPP	UPPER SAND CREEK	09/09/15
WW.140662	2883116	8	195	CIPP	UPPER SAND CREEK	09/28/15
WW.152950	2883115	8	135	CIPP	UPPER SAND CREEK	09/28/15
WW.133266	2882995	8	135	CIPP	UPPER SAND CREEK	09/02/15
WW.150936	2883111	8	290	CIPP	UPPER SAND CREEK	09/01/15
WW.163168	2883101	8	214	CIPP	UPPER SAND CREEK	09/01/15
WW.144869	2883112	8	302	CIPP	UPPER SAND CREEK	08/31/15
WW.152947	2883113	8	228	CIPP	UPPER SAND CREEK	08/31/15
WW.152949	2883114	8	126	CIPP	UPPER SAND CREEK	09/28/15
WW.138637	2883108	8	287	CIPP	UPPER SAND CREEK	09/02/15
WW.144873	2883100	8	130	CIPP	UPPER SAND CREEK	09/01/15
WW.133275	2883106	8	221	CIPP	UPPER SAND CREEK	08/31/15
WW.133271	2883102	8	217	CIPP	UPPER SAND CREEK	09/03/15
WW.146939	2883103	8	260	CIPP	UPPER SAND CREEK	10/01/15
WW.144874	2883105	8	375	CIPP	UPPER SAND CREEK	09/04/15
WW.157047	2882998	8	140	CIPP	UPPER SAND CREEK	08/21/15
WW.150944	2882999	8	102	CIPP	UPPER SAND CREEK	08/21/15
WW.146030	2883000	8	153	CIPP	UPPER SAND CREEK	08/21/15
WW.150115	2883013	8	280	CIPP	UPPER SAND CREEK	08/20/15
WW.142762	2883011	8	85	CIPP	UPPER SAND CREEK	08/17/15
WW.161143	2883006	8	194	CIPP	UPPER SAND CREEK	08/17/15
WW.163174	2883005	8	122	CIPP	UPPER SAND CREEK	08/17/15
WW.144879	2883003	8	138	CIPP	UPPER SAND CREEK	08/18/15
WW.157049	2883002	8	115	CIPP	UPPER SAND CREEK	08/18/15
WW.136515	2883001	8	126	CIPP	UPPER SAND CREEK	08/19/15

2015 Local Collectors Evaluation and Rehabilitation Program Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.137778	2883118	8	173	CIPP	UPPER SAND CREEK	08/19/15
WW.133286	2883090	8	402	CIPP	UPPER SAND CREEK	08/19/15
WW.133329	2883016	8	162	CIPP	UPPER SAND CREEK	08/24/15
WW.157067	2883017	8	334	CIPP	UPPER SAND CREEK	08/24/15
WW.136595	2883119	8	333	CIPP	UPPER SAND CREEK	08/25/15
WW.133332	2883120	8	126	CIPP	UPPER SAND CREEK	08/25/15
WW.146971	2882996	8	255	CIPP	UPPER SAND CREEK	09/08/15
WW.144902	2883018	8	350	CIPP	UPPER SAND CREEK	08/26/15
WW.148916	2883110	8	211	CIPP	UPPER SAND CREEK	10/01/15
WW.159096	2883107	8	198	CIPP	UPPER SAND CREEK	09/02/15
WW.148919	2883109	8	214	CIPP	UPPER SAND CREEK	09/03/15
WW.161142	2883104	8	400	CIPP	UPPER SAND CREEK	09/11/15
WW.157074	2883030	8	118	CIPP	UPPER SAND CREEK	08/25/15
WW.157072	2883099	8	306	CIPP	UPPER SAND CREEK	08/24/15
WW.139475	2883098	8	385	CIPP	UPPER SAND CREEK	09/04/15
WW.150948	2883097	8	324	CIPP	UPPER SAND CREEK	08/21/15
WW.146949	2883093	8	300	CIPP	UPPER SAND CREEK	08/28/15
WW.154080	2883075	8	292	CIPP	UPPER SAND CREEK	08/27/15
WW.136591	2883092	8	175	CIPP	UPPER SAND CREEK	08/27/15
WW.142803	2883091	8	108	CIPP	UPPER SAND CREEK	09/01/15
WW.144901	2883089	8	175	CIPP	UPPER SAND CREEK	08/27/15
WW.133182	2885060	8	133	CIPP	UPPER SAND CREEK	10/14/15
WW.152894	2885066	8	275	CIPP	UPPER SAND CREEK	10/09/15
WW.154906	2885068	8	110	CIPP	UPPER SAND CREEK	11/16/15
WW.144814	2885067	8	75	CIPP	UPPER SAND CREEK	09/30/15
WW.133181	2922989	8	290	CIPP	UPPER SAND CREEK	09/30/15
WW.136536	2885070	8	312	CIPP	UPPER SAND CREEK	10/13/15
WW.133185	2885075	8	87	CIPP	UPPER SAND CREEK	10/13/15
WW.152891	2885069	8	275	CIPP	UPPER SAND CREEK	09/29/15
WW.136535	2885071	8	201	CIPP	UPPER SAND CREEK	10/08/15
WW.148081	2885072	8	263	CIPP	UPPER SAND CREEK	10/02/15
WW.140650	2885074	8	356	CIPP	UPPER SAND CREEK	10/08/15
WW.154890	2885073	8	365	CIPP	UPPER SAND CREEK	10/12/15
WW.159031	2885055	8	291	CIPP	UPPER SAND CREEK	10/12/15
WW.146938	2885065	8	175	CIPP	UPPER SAND CREEK	09/30/15
WW.159088	2885064	8	186	CIPP	UPPER SAND CREEK	09/15/15
WW.139815	2885062	8	201	CIPP	UPPER SAND CREEK	09/28/15
WW.136514	2885061	8	402	CIPP	UPPER SAND CREEK	09/22/15
WW.146874	2885059	8	350	CIPP	UPPER SAND CREEK	09/23/15
WW.159079	2885058	8	351	CIPP	UPPER SAND CREEK	09/24/15
WW.133252	2885057	8	273	CIPP	UPPER SAND CREEK	09/16/15
WW.138626	2885056	8	214	CIPP	UPPER SAND CREEK	09/25/15
WW.133198	2885094	8	350	CIPP	UPPER SAND CREEK	10/27/15
WW.152907	2885101	8	350	CIPP	UPPER SAND CREEK	10/27/15
WW.163132	2885088	8	396	CIPP	UPPER SAND CREEK	10/28/15
WW.138604	2885103	8	399	CIPP	UPPER SAND CREEK	10/28/15
WW.142723	2885104	8	428	CIPP	UPPER SAND CREEK	10/30/15
WW.142724	2885084	8	342	CIPP	UPPER SAND CREEK	10/29/15
WW.136512	2885097	8	184	CIPP	UPPER SAND CREEK	10/29/15
WW.133154	2885083	8	420	CIPP	UPPER SAND CREEK	11/05/15
WW.157013	2885093	8	288	CIPP	UPPER SAND CREEK	11/03/15
WW.146906	2885099	8	397	CIPP	UPPER SAND CREEK	11/03/15
WW.161117	2885091	8	234	CIPP	UPPER SAND CREEK	11/04/15
WW.142689	2885079	8	373	CIPP	UPPER SAND CREEK	11/05/15
WW.142688	2885087	8	349	CIPP	UPPER SAND CREEK	11/05/15
WW.152871	2885086	8	263	CIPP	UPPER SAND CREEK	10/26/15
WW.148855	2885085	8	400	CIPP	UPPER SAND CREEK	11/06/15
WW.133155	2885082	8	285	CIPP	UPPER SAND CREEK	11/09/15
WW.158268	2885080	8	339	CIPP	UPPER SAND CREEK	11/09/15
WW.140661	2885063	8	246	CIPP	UPPER SAND CREEK	11/10/15
WW.148911	2885078	8	192	CIPP	UPPER SAND CREEK	11/10/15
WW.144862	2885106	8	259	CIPP	UPPER SAND CREEK	11/11/15
WW.152945	2885092	8	253	CIPP	UPPER SAND CREEK	11/11/15
WW.154948	2885105	8	428	CIPP	UPPER SAND CREEK	11/12/15
WW.140659	2885095	8	239	CIPP	UPPER SAND CREEK	11/12/15
WW.133268	2885077	8	122	CIPP	UPPER SAND CREEK	11/13/15
WW.148810	2922947	8	214	CIPP	UPPER SAND CREEK	11/30/15
WW.158999	2922955	8	506	CIPP	UPPER SAND CREEK	12/03/15
WW.154840	2922953	8	240	CIPP	UPPER SAND CREEK	12/04/15
WW.148816	2922975	8	278	CIPP	UPPER SAND CREEK	12/04/15
WW.163056	2922971	8	406	CIPP	UPPER SAND CREEK	12/02/15

2015 Local Collectors Evaluation and Rehabilitation Program Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.146832	2922976	8	415	CIPP	UPPER SAND CREEK	12/02/15
WW.142645	2922970	8	169	CIPP	UPPER SAND CREEK	12/01/15
WW.140558	2922972	8	179	CIPP	UPPER SAND CREEK	12/01/15
WW.142643	2922974	8	332	CIPP	UPPER SAND CREEK	12/01/15
WW.138539	2922973	8	284	CIPP	UPPER SAND CREEK	12/01/15
WW.133082	2922983	8	270	CIPP	UPPER SAND CREEK	12/07/15
WW.136476	2922084	8	128	CIPP	UPPER SAND CREEK	12/07/15
WW.133080	2922985	8	175	CIPP	UPPER SAND CREEK	12/10/15
WW.163057	2922977	8	398	CIPP	UPPER SAND CREEK	12/07/15
WW.140561	2922951	8	365	CIPP	UPPER SAND CREEK	12/08/15
WW.144753	2922952	8	277	CIPP	UPPER SAND CREEK	12/08/15
WW.163061	2922949	8	351	CIPP	UPPER SAND CREEK	12/10/15
WW.156949	2922950	8	285	CIPP	UPPER SAND CREEK	12/10/15
WW.161059	2922948	8	135	CIPP	UPPER SAND CREEK	12/21/15
WW.150848	2922963	8	262	CIPP	UPPER SAND CREEK	12/21/15
WW.138544	2922967	8	370	CIPP	UPPER SAND CREEK	12/09/15
WW.161057	2922964	8	354	CIPP	UPPER SAND CREEK	12/09/15
WW.156944	2922965	8	377	CIPP	UPPER SAND CREEK	12/09/15
WW.156946	2922966	8	446	CIPP	UPPER SAND CREEK	12/09/15
WW.136487	2922969	8	332	CIPP	UPPER SAND CREEK	12/18/15
WW.138546	2922968	8	371	CIPP	UPPER SAND CREEK	12/17/15
WW.142713	2922956	8	286	CIPP	UPPER SAND CREEK	12/17/15
WW.148883	2922961	8	349	CIPP	UPPER SAND CREEK	12/14/15
WW.140620	2922960	8	403	CIPP	UPPER SAND CREEK	12/14/15
WW.140619	2922957	8	327	CIPP	UPPER SAND CREEK	12/16/15
WW.133195	2922958	8	330	CIPP	UPPER SAND CREEK	12/16/15
WW.163562	2952010	8	235	CIPP	CARSON VALLEY	08/30/15
WW.136970	2952025	8	315	CIPP	CARSON VALLEY	08/30/15
WW.149354	2952030	8	182	CIPP	CARSON VALLEY	09/01/15
WW.163566	2952034	8	39	CIPP	CARSON VALLEY	09/01/15
WW.157439	2893101	8	419	CIPP	CARSON VALLEY	08/04/15
WW.149357	2952495	8	354	CIPP	CARSON VALLEY	07/29/15
WW.163563	2952496	8	294	CIPP	CARSON VALLEY	07/29/15
WW.143144	2952497	8	362	CIPP	CARSON VALLEY	07/28/15
WW.145256	2952038	8	200	CIPP	CARSON VALLEY	07/26/15
WW.145255	2952498	8	278	CIPP	CARSON VALLEY	08/30/83
WW.134023	2885290	8	274	CIPP	CARSON VALLEY	08/03/15
WW.136966	2893152	8	296	CIPP	CARSON VALLEY	08/17/15
WW.151325	2952050	8	301	CIPP	CARSON VALLEY	08/17/15
WW.163559	2893153	8	304	CIPP	CARSON VALLEY	08/18/15
WW.136967	2893156	8	353	CIPP	CARSON VALLEY	08/18/15
WW.134016	2893161	8	480	CIPP	CARSON VALLEY	08/19/15
WW.155331	2893162	8	480	CIPP	CARSON VALLEY	08/20/15
WW.135686	2893163	8	448	CIPP	CARSON VALLEY	08/24/15
WW.136979	2893164	8	450	CIPP	CARSON VALLEY	08/25/15
WW.134037	2893165	8	234	CIPP	CARSON VALLEY	08/26/15
WW.141067	2952481	8	130	CIPP	CARSON VALLEY	08/26/15
WW.149363	2893166	8	70	CIPP	CARSON VALLEY	08/31/15
WW.136978	2893167	8	394	CIPP	CARSON VALLEY	08/31/15
WW.136974	2893169	8	360	CIPP	CARSON VALLEY	09/01/15
WW.145263	2893171	8	205	CIPP	CARSON VALLEY	09/01/15
WW.163567	2893172	8	212	CIPP	CARSON VALLEY	08/25/15
WW.161516	2893173	8	177	CIPP	CARSON VALLEY	08/27/15
WW.151332	2893174	8	138	CIPP	CARSON VALLEY	08/26/15
WW.134036	2952060	8	328	CIPP	CARSON VALLEY	08/26/15
WW.139015	2952062	8	68	CIPP	CARSON VALLEY	08/27/15
WW.157471	2893175	8	501	CIPP	CARSON VALLEY	08/24/15
WW.134081	2893177	8	503	CIPP	CARSON VALLEY	08/24/15
WW.150144	2893178	8	501	CIPP	CARSON VALLEY	08/25/15
WW.153340	2893179	8	500	CIPP	CARSON VALLEY	08/25/15
WW.151328	2893182	8	309	CIPP	CARSON VALLEY	08/16/15
WW.155334	2893183	8	417	CIPP	CARSON VALLEY	08/16/15
WW.134022	2893184	8	475	CIPP	CARSON VALLEY	08/18/15
WW.159526	2893185	8	427	CIPP	CARSON VALLEY	08/17/15
WW.157438	2893187	8	452	CIPP	CARSON VALLEY	08/18/15
WW.159527	2952063	8	300	CIPP	CARSON VALLEY	08/27/15
WW.147334	2893191	8	281	CIPP	CARSON VALLEY	08/20/15
WW.136971	2893196	8	330	CIPP	CARSON VALLEY	10/01/15
WW.139008	2893197	8	254	CIPP	CARSON VALLEY	10/05/15
WW.147333	2893198	8	253	CIPP	CARSON VALLEY	08/19/15
WW.153342	2893199	8	200	CIPP	CARSON VALLEY	08/19/15

2015 Local Collectors Evaluation and Rehabilitation Program Completion Table

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.151333	2893189	8	414	CIPP	CARSON VALLEY	08/20/15
WW.143147	2952065	8	57	CIPP	CARSON VALLEY	09/01/15
WW.139010	2952067	8	9	CIPP	CARSON VALLEY	09/01/15
WW.147119	2919427	8	192	CIPP	LOWER COTTONWOOD CREEK	10/23/15
WW.149097	2919432	8	133	CIPP	LOWER COTTONWOOD CREEK	10/23/15
WW.144925	2919439	8	404	CIPP	LOWER COTTONWOOD CREEK	10/21/15
WW.157089	2919449	8	385	CIPP	LOWER COTTONWOOD CREEK	10/20/15
WW.159138	2920762	8	264	CIPP	LOWER COTTONWOOD CREEK	12/02/15
WW.157215	2920673	8	278	CIPP	LOWER COTTONWOOD CREEK	12/02/15
WW.153108	2920764	8	126	CIPP	LOWER COTTONWOOD CREEK	12/02/15
WW.148956	2920766	8	410	CIPP	LOWER COTTONWOOD CREEK	11/19/15
WW.133591	2920767	8	314	CIPP	LOWER COTTONWOOD CREEK	11/25/15
WW.157087	2920772	8	357	CIPP	LOWER COTTONWOOD CREEK	10/08/15
WW.133589	2920773	8	142	CIPP	LOWER COTTONWOOD CREEK	10/08/15
WW.151094	2920774	8	312	CIPP	LOWER COTTONWOOD CREEK	10/15/15
WW.142923	2920778	8	239	CIPP	LOWER COTTONWOOD CREEK	11/16/15
WW.136741	2920779	8	257	CIPP	LOWER COTTONWOOD CREEK	11/24/15
WW.138794	2920780	8	254	CIPP	LOWER COTTONWOOD CREEK	11/24/15
WW.151092	2920874	8	198	CIPP	LOWER COTTONWOOD CREEK	11/12/15
WW.133588	2920786	8	246	CIPP	LOWER COTTONWOOD CREEK	11/12/15
WW.138792	2920787	8	297	CIPP	LOWER COTTONWOOD CREEK	12/01/15
WW.142812	2920789	8	204	CIPP	LOWER COTTONWOOD CREEK	11/10/15
WW.163328	2920793	8	103	CIPP	LOWER COTTONWOOD CREEK	11/10/15
WW.142921	2920798	8	366	CIPP	LOWER COTTONWOOD CREEK	11/11/15
WW.145053	2920822	8	412	CIPP	LOWER COTTONWOOD CREEK	10/29/15
WW.136743	2920826	8	233	CIPP	LOWER COTTONWOOD CREEK	10/28/15
WW.138796	2920827	8	271	CIPP	LOWER COTTONWOOD CREEK	10/28/15
WW.151095	2920828	8	365	CIPP	LOWER COTTONWOOD CREEK	11/06/15
WW.133365	2920829	8	328	CIPP	LOWER COTTONWOOD CREEK	11/09/15
WW.140809	2920830	8	142	CIPP	LOWER COTTONWOOD CREEK	11/20/15
WW.140808	2920831	8	103	CIPP	LOWER COTTONWOOD CREEK	10/14/15
WW.155102	2920832	8	161	CIPP	LOWER COTTONWOOD CREEK	11/13/15
WW.163329	2920833	8	143	CIPP	LOWER COTTONWOOD CREEK	11/13/15
WW.164216	2918294	8	401	CIPP	GARDEN OF THE GODS	12/01/15
WW.153940	2918298	8	171	CIPP	GARDEN OF THE GODS	12/01/15
WW.141742	2918297	8	398	CIPP	GARDEN OF THE GODS	12/01/15
WW.153941	2918293	8	329	CIPP	GARDEN OF THE GODS	12/02/15
WW.147951	2918292	8	222	CIPP	GARDEN OF THE GODS	12/02/15
WW.155998	2918290	8	125	CIPP	GARDEN OF THE GODS	12/02/15
WW.160140	2918287	8	414	CIPP	GARDEN OF THE GODS	12/03/15
WW.162158	2918295	8	373	CIPP	GARDEN OF THE GODS	12/03/15
WW.162160	2918296	8	167	CIPP	GARDEN OF THE GODS	12/03/15
WW.162163	2918289	8	359	CIPP	GARDEN OF THE GODS	12/04/15
WW.153939	2918306	8	398	CIPP	GARDEN OF THE GODS	12/04/15
WW.135326	2918302	8	310	CIPP	GARDEN OF THE GODS	12/07/15
WW.162161	2918300	8	397	CIPP	GARDEN OF THE GODS	12/08/15
WW.139642	2918316	8	115	CIPP	GARDEN OF THE GODS	12/07/15
WW.139643	2918317	8	402	CIPP	GARDEN OF THE GODS	12/08/15
WW.162162	2918312	8	399	CIPP	GARDEN OF THE GODS	12/11/15
WW.136108	2918315	8	224	CIPP	GARDEN OF THE GODS	12/09/15
WW.160238	2918310	8	380	CIPP	GARDEN OF THE GODS	12/09/15
WW.164334	2918311	8	118	CIPP	GARDEN OF THE GODS	12/14/15
WW.156001	2918291	8	234	CIPP	GARDEN OF THE GODS	12/16/15
WW.160152	2918307	8	150	CIPP	GARDEN OF THE GODS	12/17/15
WW.151972	2918309	8	100	CIPP	GARDEN OF THE GODS	12/17/15
WW.143814	2918308	8	334	CIPP	GARDEN OF THE GODS	12/10/15
WW.151968	2918304	8	278	CIPP	GARDEN OF THE GODS	12/10/15
WW.151969	2918305	8	158	CIPP	GARDEN OF THE GODS	12/17/15
WW.137501	2918301	8	303	Replacement	GARDEN OF THE GODS	12/18/15
WW.196952	2926633	8	166	Replacement	GARDEN OF THE GODS	12/28/15
WW.170009	2910855	8	167	Replacement	SHOOKS RUN	09/21/15
WW.191726	2926686	8	14	Replacement	WEST SIDE	11/05/15
Totals	346		91,818			

Appendix B

2015 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project					
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete	Work Completed
WW.109346	2842704	4 to 5		4/11/2015	Replace 48" w/60"
WW.121648	2842744	4 to 5		4/8/2015	Replace 48" w/60"
WW.107305	2859925	4 to 5		4/9/2015	Replace 48" w/60"
WW.102938	2918755	4	9.6	5/12/2015	Rehab
WW.116089	2918757	4	9.2	7/3/2015	Rehab
WW.123998	2918760	4	8.3	7/21/2015	Rehab
WW.103732	2918743	4	7.8	7/1/2015	Rehab
WW.106901	2918762	4	10.0	7/7/2015	Rehab
WW.105754	2919009	4	10'-7"	7/6/2015	Infiltration Repair
WW.106131	2919018	4	9'-8"	6/30/2015	Infiltration Repair
WW.115762	2919023	4	11'-0"	7/2/2015	Infiltration Repair
WW.121630	2919027	4	10'-4"	6/30/2015	Infiltration Repair
WW.121631	2919032	4	9'-0"	6/30/2015	Infiltration Repair
WW.122009	2919034	NR	NR	7/6/2015	Infiltration Repair
WW.126094	2919038	4	9'-4"	7/6/2015	Infiltration Repair
WW.127714	2919041	NR	NR	7/2/2015	Infiltration Repair
WW.128103	2919043	4	9'-0"	6/29/2015	Infiltration Repair
WW.107227	2907908	4	7.0	9/17/2015	Rehab
WW.123124	2907907	4	7.0	9/14/2015	Rehab
WW.131198	2907909	4	12.0	9/17/2015	Rehab
WW.119338	2724040	4	10.0	9/18/2015	Rehab
WW.123279	2724041	4	9.0	9/18/2015	Rehab
WW.116125	2907898	4	11.0	9/24/2015	Rehab
WW.123144	2907899	4	6'-3"	9/21/2015	Rehab
WW.109513	2775066	5	10.0	9/28/2015	Rehab
WW.102233	2770698	4	7.0	9/28/2015	Rehab
WW.124975	2770699	4	4.0	9/10/2015	Rehab
WW.102227	2770688	4	8.0	9/10/2015	Rehab
WW.118993	2770697	4	4.0	5/7/2015	Rehab
WW.118994	2770689	4	4.0	5/7/2015	Rehab
WW.113070	2770695	4	5'-9"	5/7/2015	Rehab
WW.128950	2770678	4	9.0	10/1/2015	Rehab
WW.122873	2770675	4	8.0	10/1/2015	Rehab
WW.102164	2770670	4	8'-4"	9/29/2015	Rehab
WW.103062	2596629	4	11.0	10/1/2015	Rehab
WW.103063	2596623	4	8.0	9/25/2015	Rehab
WW.113492	2596632	4	14'-7"	9/25/21015	Rehab
WW.107436	2596633	4	13'-4"	9/25/21015	Rehab
WW.109027	2778724	4	14.0	9/24/2015	Rehab
WW.122900	2778721	4	7'-6"	9/24/2015	Rehab
WW.122897	2778720	4	12'-6"	9/24/2015	Rehab
WW.122907	2778723	4	6.0	9/24/2015	Rehab
WW.102912	2724046	4	13.0	10/2/2015	Rehab
WW.129344	2724047	4	13'-7"	10/2/2015	Rehab
WW.111353	2724045	4	13'-3"	10/2/2015	Rehab
WW.109755	2951701	NR	NR	8/18/2015	Infiltration Control
WW.105735	2951705	NR	NR	8/18/2015	Infiltration Control
WW.111036	2951792	NR	NR	8/19/2015	Infiltration Control
WW.102259	2951849	NR	NR	8/20/2015	Infiltration Control
WW.102259C	2951960	NR	NR	8/24/2015	Infiltration Control
WW.124997	2951956	4	15'-4"	8/24/2015	Infiltration Control
WW.115098	2951963	NR	NR	8/24/2015	Infiltration Control

2015 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project					
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete	Work Completed
WW.191604	2951968	NR	NR	8/24/2015	Infiltration Control
WW.113084	2951971	NR	NR	8/24/2015	Infiltration Control
WW.124999	2951975	NR	NR	8/24/2015	Infiltration Control
WW.117095	2951977	NR	NR	8/25/2015	Infiltration Control
WW.102274	2951984	NR	NR	8/27/2015	Infiltration Control
WW.117088	2951986	NR	NR	8/27/2015	Infiltration Control
WW.109060	2951989	4	9'-5"	8/31/2015	Infiltration Control
WW.131021	2951993	NR	NR	8/31/2015	Infiltration Control
WW.127042	2951996	4	13'-4"	8/31/2015	Infiltration Control
WW.109066	2951997	4	11'-3"	9/1/2015	Infiltration Control
WW.117089	2951999	4	12'-2"	9/1/2015	Infiltration Control
WW.102263	2952001	4	9'-3"	9/1/2015	Infiltration Control
WW.115099	2952017	4	10'-10"	9/1/2015	Infiltration Control
WW.126093	2952024	4	10'-10"	9/2/2015	Infiltration Control
WW.102261	2952028	4	15'-5"	9/22/2015	Infiltration Control
WW.111039	2952031	4	16'-0"	9/22/2015	Infiltration Control
WW.111043	2952036	4	12'-2"	9/24/2015	Infiltration Control
WW.102273	2952039	4	16'-3"	9/24/2015	Infiltration Control
WW.109061	2952040	4	15'-1"	9/28/2015	Infiltration Control
WW.109068	2952041	4	15'-3"	9/28/2015	Infiltration Control
WW.109074	2952042	4	15"-5"	9/29/2015	Infiltration Control
WW.111040	2952043	4	12"-5"	9/30/2015	Infiltration Control
WW.109070	2952046	4	12'-8"	10/1/2015	Infiltration Control
WW.105043	2952049	4	10'-8"	10/5/2015	Infiltration Control
WW.127040	2952051	4	21'-9"	10/6/2015	Infiltration Control
WW.107038	2952052	4	20'-6"	10/7/2015	Infiltration Control
WW.108963	2952054	4	9'-6"	11/19/2015	Infiltration Control
WW.124891	2952056	4	8'-7"	12/3/2015	Infiltration Control
WW.120889	2952059	NR	NR	12/3/2015	Infiltration Control
Total	81				
NR-Not recorded, work was for infiltration reduction					

Appendix C

2010 - Collection System Rehabilitation and Replacement Project

Collection System Rehabilitation and Replacement							
PIPE LID	Task Order #	Work Order #	Existing Size	PIPE COND.	LENGTH	NEW PIPE SIZE	Completion Date
WW.148011	72	2934548	42	Tar Lining Degradation	319	NA	12/2/2015
WW.160202	72	2934549	42	Tar Lining Degradation	224	NA	12/2/2015
WW.152042	72	2934551	42	Tar Lining Degradation	307	NA	12/2/2015
WW.135494	72	2934552	42	Tar Lining Degradation	301	NA	12/4/2015
WW.139736	72	2934553	42	Tar Lining Degradation	206	NA	12/4/2015
WW.135498	72	2934554	42	Tar Lining Degradation	502	NA	12/4/2015
WW.135499	72	2934555	42	Tar Lining Degradation	322	NA	12/8/2015
WW.152045	72	2934556	42	Tar Lining Degradation	491	NA	12/8/2015
WW.158201	72	2934557	42	Tar Lining Degradation	507	NA	12/10/2015
WW.150048	72	2934558	42	Tar Lining Degradation	219	NA	12/10/2015
Subtotal	10				3,398		

Appendix D

2015 SSSC Completion Table

Project	Task Order #	Notice to Proceed	Final Completion
CSR Sludge Pipeline Bank Stabilization	201419869	1/2/2015	5/4/2016
Carson Bridge Scour Protection Phase II	201419573	12/23/2014	4/9/2015
Sand Creek @ Airport Stream Stabilization Phase III	201415077	9/22/2014	4/10/2015
Spring Creek Stream Stabilization	201503919	3/31/2015	8/14/2015
West Fork Sand Creek Grade Control Improvements	201504978	4/1/2015	10/31/2015
Shooks Run Stream Stabilization	201511429	8/13/2015	10/30/2015
Cottonwood Creek @ Duryea Stream Stabilization	201513262	9/10/2015	12/15/2015
Monument Creek Stabilization Near Fillmore St. Phase I	201512126	8/13/2015	1/22/2016
Totals	8		