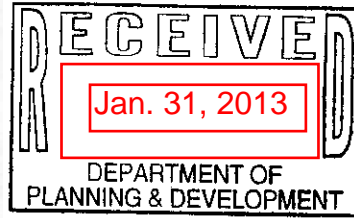




Colorado Springs Utilities

It's how we're all connected

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



January 31, 2013

Subject: Southern Delivery System Permit Compliance Annual Report (Calendar Year 2012)

Dear Mr. Ryan,

Colorado Springs Utilities, the Southern Delivery System (SDS) Project Manager, hereby submits the attached Permit Compliance Annual Report for Calendar Year 2012. Submittal of this report demonstrates the SDS Project's progress in successfully implementing the commitments prescribed in the SDS ROD, as well as meeting the annual reporting requirements for other programmatic permits and approvals.

Please contact me at 719-668-8037, or Allison Mosser at 719-668-8667, with any questions regarding the attached report.

Sincerely,

John A. Fredell
Southern Delivery System Program Director

Enclosure

Distribution List:

City of Fountain, Tom Black, Interim Utilities Director
Colorado Department of Public Health and Environment, Steven Gunderson, Director,
Water Quality Control Division
Colorado Division of Parks and Wildlife, Dan Prenzl, Regional Manager, Southeast Region
Fountain Creek Watershed Flood Control and Greenway District, Larry Small, Executive
Director
Pueblo County Planning & Development, Joan Armstrong, Director
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Southern Delivery System Permit Compliance Annual Report Calendar Year 2012

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 2013

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Acronyms and Abbreviations

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

Executive Summary

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

Purpose

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

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

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

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

Reporting Requirements

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

Summary of SDS Activities During this Reporting Period

The SDS has met a number of key milestones during this reporting period associated with the design, construction, and completion of various work packages. The valve and valve house installation at Pueblo Dam Connection was completed and tested. Construction on 7 pipeline work packages began or continued during the reporting period, with approximately 30 miles of pipeline installed. Design continued on the remaining pipeline work packages. Design of the water treatment plant was completed and the raw water pump stations reached 90% design.

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

1.0 Introduction

1.1 Purpose

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

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

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

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

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

1.2 Southern Delivery System Project Overview

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

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

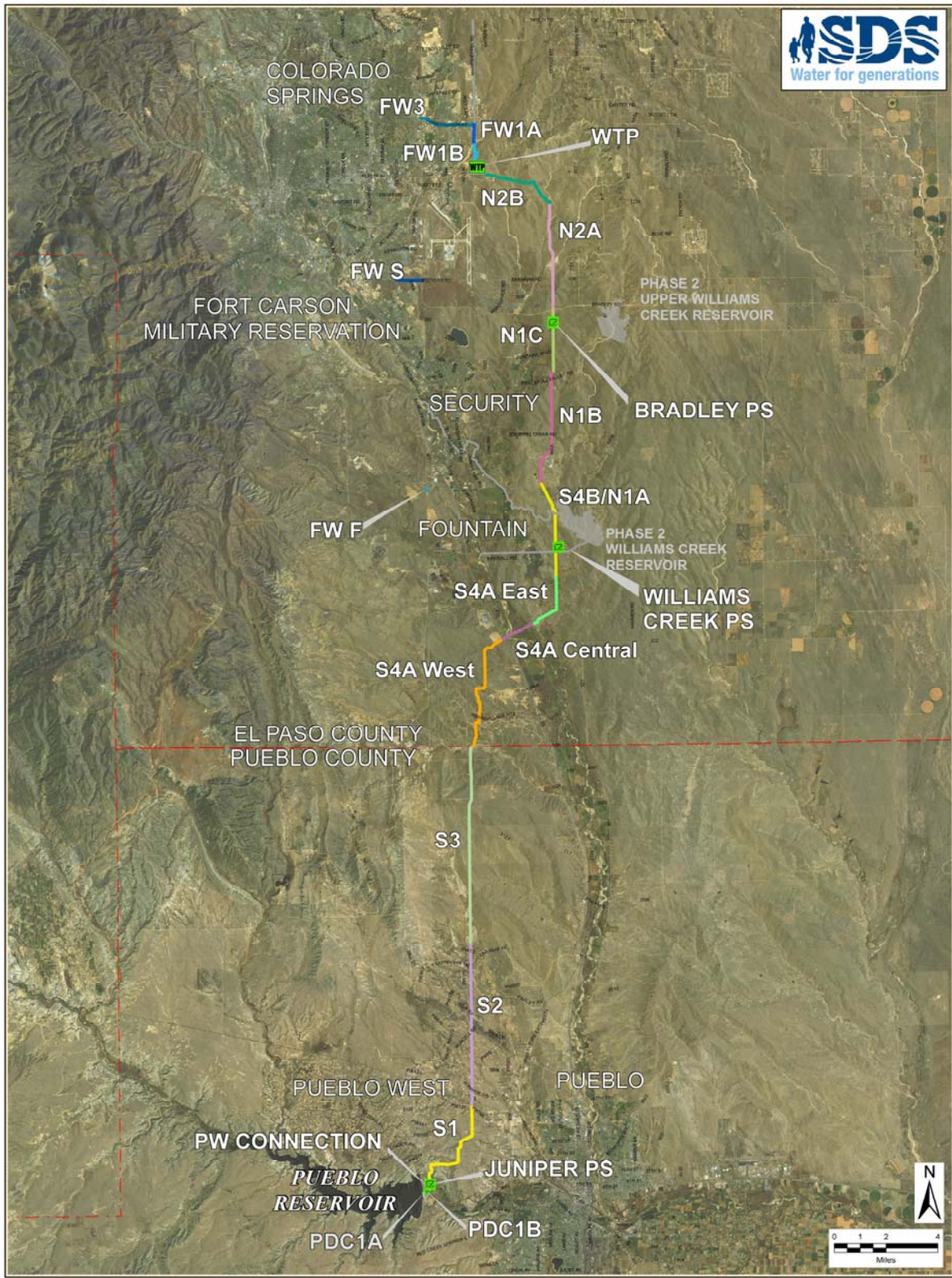
- A 53-mile raw water pipeline (66- and 72-inch diameter)
- Two 78-million-gallon-per-day (mgd) raw water pump stations and one 50-mgd raw water pump station (expandable in Phase 2)
- A water treatment plant (WTP) with a capacity of 50 mgd (expandable in Phase 2)
- Approximately seven miles of finished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

Phase 2 of SDS includes the following:

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

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

FIGURE 1. SOUTHERN DELIVERY SYSTEM WORK PACKAGES AND FACILITIES



1.3 SDS Participant Information

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

1.3.1 SDS Participants

Colorado Springs Utilities (Authorized agent acting on behalf of Participants)

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

Security Water District (Participant)

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

City of Fountain (Participant)

Contact: Tom Black, Interim Director of Utilities
116 S. Main St.
Fountain, CO 80817
Phone: (719) 322-2082; Fax: (719) 391-0463
E-mail: tblack@fountaincolorado.org

Pueblo West Metropolitan District (Participant)

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

1.4 Southern Delivery System Project Regulatory Review Process

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

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

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

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

At the state level, the SDS Section 404 Permit received a Certification under Section 401 of the Clean Water Act from the Colorado Department of Public Health and Environment (CDPHE) on April 23, 2010. In February, 2011, the State Water Quality Control Commission denied a challenge to the CDPHE (Water Quality Control Division) certification and upheld the certification. In April, 2012, the Pueblo County District Court determined that the Commission action was not supported by the administrative record and remanded the certification. The District Court decision is now the subject of an appeal before the Colorado Court of Appeals.

The Colorado Division of Parks and Wildlife (CDOPW) also reviewed SDS, and the SDS Fish and Wildlife Mitigation Plan (FWMP) was prepared collaboratively with CDOPW 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 CDOPW on May 18, 2010.

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

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

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

2.0 Listing of Permit Compliance Reporting Requirements for SDS

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

The Annual Implementation Progress Matrix contains:

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

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

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

3.0 Summary of SDS Activities Undertaken During the Reporting Period

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

Programmatic

Jurisdictional Wetlands Mitigation

The initial construction of the jurisdictional wetlands mitigation, required to offset the permanent impact of 0.23 acres of jurisdictional wetlands by SDS, was completed in September 2011. Construction of the remainder of the wetlands and the surrounding riparian area was completed in April 2012. The wetlands were monitored through the year. 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 continued at the Pueblo Reservoir Dam in 2012. Activities at Pueblo Dam included installation and maintenance of stormwater best management practices (BMPs), maintenance and removal of a coffer dam, dewatering of the river channel within the coffer dam, construction of the valve house, installation of pipe within river outlet works tunnel and valve house, valve installation, concrete placement of the North Shore structure, and testing. The location of PDC1A is shown on Figure 1.

PDC1B

Design for PDC1B was completed in March 2012. Construction is scheduled to begin in 2013. The location of PDC1B is shown on Figure 1.

S1 Pipeline

SDS construction activities began on the S1 Pipeline in January 2012. Activities at S1 have included installation of BMPs, BMP maintenance, rock trenching, pipe delivery, pipe installation, welding, pipe backfill, grading, road rehabilitation, construction of combination air release and vacuum valves (CARVs) and blow-off structures, and dewatering activities. The location of the S1 Pipeline is shown on Figure 1.

S2 Pipeline

SDS construction activities on the S2 Pipeline continued in 2012. The construction activities included installation and maintenance of BMPs, rock trenching, dewatering activities, delivery of pipe segments, installation of pipe, welding, pipe backfill, grading, road rehabilitation, construction of CARVs and blow-off structures, and hydrostatic testing. In addition, vegetation restoration began, including soil preparation, seeding, mulching, and

installation and testing of an irrigation system. The location of the S2 Pipeline is shown on Figure 1.

S3 Pipeline

SDS construction activities on the S3 Pipeline continued in 2012. The construction activities included installation and maintenance of BMPs, rock trenching, dewatering activities, delivery of pipe segments, installation of pipe, welding, pipe backfill, grading, road rehabilitation, construction of CARVs and blow-off structures, and hydrostatic testing. In addition, vegetation restoration began, including soil preparation, seeding, mulching, and installation and testing of an irrigation system. Colorado Springs Utilities has been working with the landowner along S3 in an effort to address revegetation and land contouring concerns. The location of the S3 Pipeline is shown on Figure 1.

S4A East/West

Design for the S4A East and S4A West Pipelines was completed in August 2012. Construction began in October 2012. Construction activities include installation and maintenance of BMPs, fence installation, clearing and grubbing, grading, sub-cut, trench excavation, pipe delivery, installation of pipe, pipe backfill, welding, dewatering and construction of the blow off assembly. The location of the S4A East and West Pipelines are shown on Figure 1.

S4A Central

Design for the S4A Central Pipeline began in 2012. The location of the S4A Central Pipeline is shown on Figure 1.

S4B/N1A/N1B

SDS construction activities on the S4B/N1A Pipeline continued in 2012. The construction activities included installation and maintenance of BMPs, dewatering activities, delivery of pipe segments, installation of pipe, welding, pipe backfill, grading, construction of CARVs and blow-off structures, and hydrostatic testing. In addition, vegetation restoration began, including soil preparation, seeding and mulching. The location of the S4B/N1A Pipeline is shown on Figure 1.

N1C/N2A

Design for the N1C/N2A Pipeline began in 2012. The location of the N1C/N2A Pipeline is shown on Figure 1.

N2B

Design for the N2B Pipeline began in 2012. The location of the N2B Pipeline is shown on Figure 1.

FW1A

Construction of FW1A was completed in February 2011. In 2012, activities associated with FW1A included permit closeout. The location of the FW1A Pipeline is shown on Figure 1.

FW1B

SDS construction activities on the FW1B Pipeline were concluded in July 2012. The construction activities included installation and maintenance of BMPs, delivery of pipe segments, trenching, trenchless crossing of Highway 24, installation of pipe, welding, pipe trench backfill, and hydrostatic testing. In addition, vegetation restoration began including seeding and mulching. Establishment of a 70% pre-construction vegetation cover was achieved. The location of the FW1B Pipeline is shown on Figure 1.

FW3

Design for the FW3 Pipeline began in 2012. The location of the FW3 Pipeline is shown on Figure 1.

WTP

Design for the SDS Water Treatment Plant (WTP) was completed in September 2012. Construction is scheduled to begin in 2013. The location of WTP is shown on Figure 1.

RWPS

Design for the three raw water pump stations (RWPS), Bradley Pump Station (BPS), Williams Creek Pump Station and Juniper Pump Station, began in 2012. Design is scheduled to be completed and construction is scheduled to begin in 2013. The locations of the 3 RWPS are shown on Figure 1. Work was also initiated on the power supplies for the RWPS. Design for the BPS power supply was completed in September 2012. Construction for the BPS power supply began in October 2012. Construction activities included BMP installation and maintenance, installation of overhead power poles and lines, trench excavation, conduit installation, concrete backfill, trench backfill, trenchless crossings of Bradley Road and Marksheffel Road, and drainage crossings, vault installation, installation of electrical cables, grading, seeding, and mulching.

Other

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

- Continued identification of a location for the wetland construction to mitigate the 12.0 acres of non-jurisdictional wetlands that will be impacted as a result of SDS.
- 60% of Fountain Creek realignment on Clear Spring Ranch that proposes to include approximately 3 acres of non-jurisdictional wetlands mitigation
- Continued transition of Phase I EMS to Phase II EMS, with on-going effort to track compliance with programmatic permit/approval commitments and construction permit requirements.
- Inclusion of permitting and compliance requirements in design drawings and specifications, as required, for those work packages still in design.

- Colorado Springs Utilities, or its selected contractors, continue to obtain a number of construction-related permits. The acquisition of these permits as well as the compliance with these permits is being tracked through the Phase I EMS.
- Colorado Springs Utilities continues to work cooperatively with the City of Colorado Springs, El Paso County and other regional governmental entities as part of a Stormwater Task Force effort. Phase 1 of the Task Force activities, which concluded on January 10, 2013, included the identification by stakeholders of potential stormwater project needs within the area and existing stormwater control budgets. A Citizens Team and a Business Team provided additional information and advice to the Task Force on January 17, 2013. The El Paso County Commissioners decided to proceed forward in the effort, including participation in an outside engineering study of the identified projects, creation of a Citizens Advisory Committee, and the examination of long-term, sustainable stormwater funding options. The Colorado Springs City Council will receive a Task Force briefing on February 11 and decide upon future direction thereafter. In addition, the updated draft drainage criteria manual for Colorado Springs, provisions of which are designed to control peak flows, continues through the public review process, with a goal of Council adoption in late spring/early summer of 2013.
- On December 11, 2012, the Pueblo County Commissioners executed Resolution No. P&D 12-43 pursuant to which a process was agreed upon between the County and SDS for the identification and release of work completed in accordance with the County permit terms and conditions. The close-out process should provide additional clarity as to when successful project completion has been achieved.

4.0 References

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

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

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

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

Implementation Progress Matrix

ATTACHMENT 1
Annual Implementation Progress Matrix

Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Bureau of Reclamation - Record of Decision			
Environmental Commitments			
p. 11, ¶1	Such contracts will, at a minimum, include a requirement for the SDS Participants to submit to Reclamation an annual compliance report that certifies progress in successfully implementing these commitments in a timely manner as prescribed in this ROD and any contracts.	This Permit Compliance Annual Report is being prepared to demonstrate the progress in successfully implementing the commitments as prescribed in the ROD and the annual reporting requirements found in the other programmatic permits and approvals including: the Pueblo County 1041 Permit, the El Paso County Location Approvals, the CDPHE 401 Water Quality Certification and the Fountain Creek Watershed, Flood Control and Greenway District approval.	No
p. 11, ¶2	The Participants must obtain other significant Federal, State, and local permits, approvals, and agreements for the SDS Project.	The programmatic permits for the Southern Delivery System (SDS) are in place. The selected construction contractors are required through the contract documents to submit copies of all permits acquired. The SDS Participants are tracking the permit acquisition progress for each of the work packages as construction activities commence.	No
p. 11, ¶3	A detailed and specific list of environmental commitments and plan for their implementation will emerge from this coordination process. The timing of this process is important. Coordination of implementation of the environmental commitment plan will occur prior to executing any contracts for the SDS Project.	An Environmental Commitments Plan was completed and submitted to the Bureau of Reclamation on March 18, 2011.	No
Participants' Commitments: General Commitments			
p. 12, Bullet 1	Comply with all applicable permits, regulations, and laws including but not limited to CDPHE, USCOE 404, and local land use permits obtained for the SDS Project.	Compliance with permit and regulatory requirements is being tracked through the implementation of an Environmental Management System (EMS). In addition, the construction contract documents for each of the work packages include permit and regulatory compliance requirements. The EMS ensures that all applicable actions necessary for compliance are taken in a timely manner.	No
p. 12, Bullet 2	Construct and operate the SDS Project in a manner that does not differ substantially from that evaluated in this FEIS, except under emergency conditions, and unless additional and appropriate environmental investigations are completed by Reclamation and approval is then given to Participants to alter construction or operation of the SDS Project.	The SDS Participants intend to construct and operate the preferred alternative that was identified in the FEIS in a manner that does not differ substantially from that evaluated in the FEIS.	No

ATTACHMENT 1
Annual Implementation Progress Matrix

Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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
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 88.1 cubic feet per second (cfs). Table 33 of the FEIS reported the average annual simulated streamflow at this location under the preferred alternative (Alt 2) as 253 cfs. As the Southern Delivery System was under construction during this reporting period, no flows have been introduced to Fountain Creek as a result of this project. See Attachment 2 for the monthly average flow data from USGS Gauge Station Number 07106500.	Attachment 2 - Monthly Average Flow Data from USGS Gauge Station Number 07106500

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Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 13, ¶1	Surface water mitigation measures will resolve adverse effects to physical diversions of senior water rights.	This requirement is a summary statement of the specific surface water mitigation measures described in the three bullets listed above. The SDS Participants are implementing the surface water mitigation measures per the Upper Arkansas Voluntary Flow Management Program and the Pueblo Flow Management Program.	No
Participants' Commitments: Water Quality			
p. 13, Bullet 1	Include water quality monitoring and adaptive management within the integrated adaptive management program (see Participants' General Commitments).	The Monitoring Plan has been completed and was submitted to the Bureau of Reclamation on March 18, 2011.	No
p. 13, Bullet 2	Begin implementing water quality monitoring when construction of the project begins. This will allow about three years of baseline data to be collected before project operations begin.	A Joint Funding Agreement has been executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011.	Attachment 3 - Water Quality Monitoring Data
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.	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

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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
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 was submitted to the Bureau of Reclamation on March 15. The Bureau of Reclamation approved this plan on April 26, 2011. The intent of the Geomorphic Mitigation Plan is to begin data collection 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. Construction activities are not anticipated to be complete until 2016, therefore the monitoring will commence no later than the 2013 reporting period.</p> <p>The Fountain Creek realignment design has progressed with design currently at 60%. Stakeholder outreach regarding this mitigation effort has begun and key stakeholders have been briefed on the status of this project. Construction is expected to begin during the 3rd quarter of 2013.</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 will provide 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

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Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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
Participants' Commitments: Aquatic Life			
p. 15, Bullet 1	Submit a proposed wildlife mitigation plan to the Colorado Wildlife Commission (Wildlife Commission) pursuant to C.R.S. 37-60-122.2. This proposal will include actions the Participants propose to mitigate impacts that the SDS Project may have on fish and wildlife. As required by that statute, the Wildlife Commission will evaluate the probable impact of the project on fish and wildlife and, if the Participants and Wildlife Commission cannot agree upon reasonable mitigation, the Wildlife Commission will make recommendations to the Colorado Water Conservation Board (CWCB) regarding what it believes to be reasonable mitigation actions. If the Participants and the Wildlife Commission agree on a mitigation plan, the Wildlife Commission will submit that agreement to the CWCB, which must adopt the agreement as the state's official position. If the Participants and the Wildlife Commission do not reach agreement on a mitigation plan, the CWCB will consider the plan submitted by the Participants and the recommendations of the Wildlife Commission, which then becomes the State's official position, or submit its own recommendations to the Governor, who will ultimately determine the state's official position on the proposed wildlife mitigation plan.	A Wildlife Mitigation Plan was developed in cooperation with the Colorado Division of Wildlife, which was then submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. The Colorado Wildlife Commission approved the Wildlife Mitigation Plan and the Colorado Water Conservation Board adopted it. A Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife, was executed May 18, 2010.	No
p. 15, Bullet 2	In the event that the operation of the SDS Project causes, or threatens to cause, stream flows in Fountain Creek or the Arkansas River to diminish to low levels that could contribute significantly to impairment of aquatic life, coordinate with Reclamation, CDPHE, CDOW and other interested parties to evaluate and select measures to mitigate adverse effects.	This requirement is not applicable yet as SDS is under construction and not operational at this time.	No

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Reporting Requirements		CY2012 Annual Report Information	
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p. 15, Bullet 3	Evaluate and consider participation in CDOW fish hatchery programs.	The Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife (CDOW), includes a commitment that Colorado Springs Utilities will either construct 7.5 acres of fish rearing ponds for warm water species or provide \$7.5M in funding to CDOW for this construction. The MOA stipulates that construction of four (4) acres of these ponds shall be completed no later than three years prior to the date Upper Williams Creek Reservoir is placed in service. The construction of the remaining 3.5 acres of rearing ponds shall be completed no later than five (5) years after Upper Williams Creek Reservoir is in service.	No
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 U.S. Army Corps of Engineers 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

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p. 15, Bullet 2	Assess alternative construction methods for pipeline crossings (i.e., directional drilling v. open cut) to minimize wetland and stream impacts.	Alternative construction methods for pipeline crossings were considered during the development of the individual 404 permit application for the SDS. The final design of pipeline crossings is in accordance with the information provided in the individual 404 permit where impacts to jurisdictional waters were described.	No
p. 16, Bullet 3	Mitigate impacts to jurisdictional and non-jurisdictional wetlands in areas of temporary, short-term effects such as pipeline crossings, on-site at the place of disturbance with similar wetlands and soils to replace existing wetland functions and values.	The construction contract documents for each work package, as applicable, include the 404 permit Nationwide Permit (NWP) 12 requirements for all temporary, short-term effects to jurisdictional and non-jurisdictional wetlands. The impacts will be mitigated on-site through the implementation of the NWP 12 requirements.	No
p. 16, Bullet 4	Mitigate all unavoidable, permanent impacts to jurisdictional and non-jurisdictional wetlands with compensatory wetlands that replace existing wetland functions and values. Compensatory wetland mitigation will likely occur at the Clear Spring Ranch site on Fountain Creek downstream of the City of Fountain.	Colorado Springs Utilities procured engineering design services for the compensatory wetland mitigation project at the Clear Spring Ranch site. The SDS Participants presented the final design for Reclamation and USACE review and approval in April 2011. The jurisdictional wetlands mitigation project was constructed in September 2011 and completed in April 2012. Approximately 3 acres of non-jurisdictional wetlands mitigation will be included in the Fountain Creek realignment.	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 will consider options to increase the sinuosity of Fountain Creek at the Clear Springs Ranch site in order to create wetland areas with the design of the compensatory wetland mitigation project. The Fountain Creek realignment design has progressed with design currently at 60%. Stakeholder outreach regarding this mitigation effort has begun and key stakeholders have been briefed on the status of this project. Construction is expected to begin during the 3rd quarter of 2013.	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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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 are being designed in accordance with the information that was submitted and approved by the U.S. Army Corps of Engineers 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 S2, S3, S4B/N1A, FW1A, and FW1B pipeline work packages. All of these work packages are being monitored.	No
p. 16, Bullet 4	In the appropriate season prior to construction, survey potential construction areas with known populations of dwarf milkweed and other plant species of concern, to locate areas where impacts can be avoided and minimized to the extent practicable with design changes within the current study area. After identifying populations to avoid, mark populations within or nearby the construction easement as environmentally sensitive so that workers avoid inadvertent impacts.	Pre-construction wildlife and vegetation surveys are being completed for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 17, Bullet 5	During construction, wash major construction equipment before it enters the site so that noxious weeds are not spread from other construction sites.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 17, Bullet 6	Use certified weed-free mulch after seeding construction areas.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

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

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p. 17, Bullet 4	Conduct raptor nest surveys prior to construction and impose seasonal restrictions to surface activity within recommended buffers (generally 1/4 to 1/2 mile) around active raptor nest sites and heron rookeries during construction.	Pre-construction raptor nest and heron rookery surveys are being completed for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 17, Bullet 5	Consult with CDOW and U.S. Fish and Wildlife Services' Migratory Permit Bird Office to develop mitigation for unavoidable loss of raptor nests. Options may include constructing artificial nests in suitable habitat or enhancing prey habitat.	The following protocol identified in the Fish and Wildlife Plan will be used during construction of SDS: If a nest is detected during the pre-construction raptor nest survey, Colorado Springs Utilities will coordinate with Colorado Division of Wildlife and USFWS to develop mitigation for unavoidable raptor nest loss. A nest has been identified in one of the pipeline alignments and CDOW was consulted as a lead agency. A raptor nest mitigation plan was submitted and approved and Colorado Springs Utilities is in the process of mitigating the nest. A nest was installed at Clear Spring Ranch.	No
p. 17, Bullet 6	Develop construction schedules to avoid impacts to nesting migratory birds. If construction is scheduled to occur during the nesting season (April 1 through August 31) in areas where migratory birds may nest, a qualified biologist will conduct a nesting bird survey prior to the commencement of construction activities to determine the presence of migratory birds and their nests. If an active nest is detected, a buffer zone between the nest and the limit of construction will be flagged and avoided during the nesting season, or construction will be scheduled outside of the nesting season.	The following protocol will be used during construction of SDS: If an active nest is detected during the pre-construction raptor nest survey, Colorado Springs Utilities will coordinate with Colorado Division of Wildlife and the construction contractor to ensure a buffer zone between the nest and the limit of construction is identified and the area avoided during the nesting season, or construction will be scheduled outside of the nesting season.	No
p. 18, Bullet 7	Conduct pre-construction surveys for swift fox den sites within appropriate habitat along the pipeline corridor and proposed reservoir sites. Avoid surface disturbance within 1/4 mile of active den sites while young are den-dependent (March 15 -June 15).	Pre-construction wildlife and vegetation surveys are being completed as part of the final design for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 18, Bullet 8	Restrict pesticides for rodent control within swift fox overall range.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 18, Bullet 9	Mitigate impacts to state-listed amphibian species by avoiding, minimizing, and mitigating wetland effects as described above.	The 404 Individual Permit, the 404 Compensatory Wetland Mitigation Plan and the Fish and Wildlife Mitigation Plan will be followed.	No
p. 18, Bullet 10	Impose seasonal restrictions on construction to avoid sensitive large game winter habitat (from first large snowfall to summer green-up).	Pre-construction wildlife and vegetation surveys are being completed as part of the final design for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 18, Bullet 11	Install wildlife crossovers (trench plugs) during pipeline construction with ramps on each side at a maximum of 1/4 mile intervals and at well-defined game trails.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 18, Bullet 12	Create additional nesting habitat or nest boxes in nearby trees for the Lewis' woodpecker when nest trees are destroyed.	Pre-construction wildlife and vegetation surveys are being completed as part of the final design for each of the work packages. No Lewis' woodpecker nests have been identified to date.	No

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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.	There were no permanent, above ground SDS Project facilities constructed in developed park areas during this reporting period.	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

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Participants' Commitments: Indian Trust Assets			
p. 19, ¶1	Continue consultation with Native American Tribes in accordance with the Programmatic Agreement. Under the Agreement, Reclamation and the SDS Participants will coordinate with the tribes to identify and mitigate impacts to any traditional cultural properties or resources.	The requirements of the Programmatic Agreement are referenced or included in the construction contract documents for each work package.	No
Participants' Commitments: Noise and Vibration			
p. 19, Bullet 1	Construction equipment used by contractors shall function as designed and shall conform to applicable noise emission standards.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 19, Bullet 2	Generally adhere to project work hour restrictions (7 a.m. to 7 p.m.) within 500 feet of residences, hospitals, schools, churches, and libraries. Work hours may need to be extended from time to time in order to expeditiously restore traffic flow or public access.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 3	Restrict access to construction areas so that the public could not be in close proximity to loud equipment or blasting.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 4	House project operating equipment (e.g. pump stations) in structures designed to minimize radiated noise outside the structure, and will meet local noise ordinance requirements.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, ¶1	By following existing standards, restricting work hours and access to construction areas, and insulating new noise within structures, noise effects will be minimized by maintaining acceptable noise levels and limiting the number of people exposed to increased noise levels.	As described in the previous four responses, these commitments are being incorporated into the construction contract documents to minimize potential construction and operation impacts due to noise and vibration. SDS inspectors regularly visit all active sites.	No
Participants' Commitments: Visual Resources			
p. 20, Bullet 1	Vegetate earthen dam faces with native herbaceous plants to match the adjacent undisturbed prairie plant communities.	This requirement is not applicable yet as the design of the Upper Williams Creek and Williams Creek Reservoirs did not begin during this reporting period.	No
p. 20, Bullet 2	Revegetate and/or landscape with plants, all disturbances associated with the construction of all facilities.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 3	Restore as many existing grades as practicable following pipeline excavations.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

ATTACHMENT 1
Annual Implementation Progress Matrix

Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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
p. 20, Bullet 5	Construct powerlines with non-specular (not shiny) wire, non-reflective and opaque insulators, and light-colored, non-reflective finished poles.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 6	Reclaim construction access roads and staging areas by restoring existing grade and revegetating the area of disturbance.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 7	Apply water with standard construction practices to control airborne fugitive dust within construction areas.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 8	Install baffles on construction lighting fixtures to direct light onto the construction activity only in locations where safety is a concern, scenic quality will be affected, or near occupied homes and businesses.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, ¶1	Restoring existing grades, revegetating disturbed areas, using architectural styles consistent with the area, and designing powerlines to have low visibility will minimize the visual contrast between the surrounding areas and will reduce the visibility of disturbance or new structures from observation points. Reducing airborne fugitive dust and construction lighting will reduce the area affected during construction.	As described in the previous eight responses, these requirements are being incorporated into the designs and construction contract documents for each work package to minimize potential impacts to visual resources. For this item and the previous eight, no concerns have been identified to date.	No
Participants' Commitments: Traffic			
p. 20, Bullet 1	Use trenchless construction to the extent practicable when construction features cross railroad lines, state highways, county roadways in densely populated areas, and major city roadways in densely populated areas.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 20, Bullet 2	Prepare traffic control plans for approval by state and local traffic authorities and followed by contractors during construction.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

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Annual Implementation Progress Matrix

Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 20, Bullet 3	Construct traffic signage, signals, acceleration, and deceleration lanes as directed by state and local traffic authorities for access to reservoir sites, treatment plants, and pump stations.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 4	Construct improvements to existing access roads or construction of temporary alternate access roads to reservoir sites, treatment plants, and pump stations as directed by state and local traffic officials.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 5	Modify or reconstruct bridges when the load limits are not adequate for construction of the SDS Project and other access routes are not reasonable.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, ¶1	When implemented, these recommendations will mitigate potential adverse effects on traffic by minimizing delays and promoting traffic safety.	As described in the previous five responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential construction and operations impacts to traffic flow patterns. For this item and the previous five, no concerns have been identified to date.	No
Participants' Commitments: Soils			
p. 21, Bullet 1	Minimize the area of disturbance to defined construction limits and limit the time bare soil is exposed.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 2	Contain soils within the construction area through temporary sediment control measures such as silt fences, sediment logs, trenches, and sediment traps.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 3	Remove woody vegetation prior to topsoil salvage and, to the extent possible, salvage topsoil within tree stump roots.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 4	Use topsoil salvage methods including windrowing topsoil at the limits of construction and pulling the soil back on slopes during reclamation.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 5	Apply topsoil, soil amendments, fertilizers, and mulches as appropriate, and seed selectively during favorable plant establishment climate conditions to match site conditions and revegetation goals.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 6	To the extent practicable, avoid irrigated lands during final design.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 7	To the extent practicable, allow continued use of lands crossed by project facilities after construction.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 8	Where the proposed pipeline crosses prime farmland soils, develop a soils handling plan that separates the top 6 inches and the soils between 6 and 36 inches for subsequent reclamation.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, ¶1	Proposed mitigation measures will reduce short-term and long-term losses of soil and soil productivity. Redistribution of topsoil to soil-deficient areas will increase soil productivity in those areas. Topsoil, soil amendments, fertilizers, and mulches will increase productivity and help establish cultivated vegetation and crops. A soils handling plan for prime farmland soils will ensure high quality topsoil is preserved and distributed properly.	As described in the previous eight responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential soil erosion and loss during construction. For this item and the previous eight, no concerns have been identified to date.	No

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Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Participants' Commitments: Air Quality			
p. 21, Bullet 1	Develop and implement standard control practices, such as watering, to minimize particulate and dust emissions from construction work sites as specified in the fugitive dust control plan.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 2	Ensure construction equipment (especially diesel equipment) meets opacity standards for operating emissions.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 21, Bullet 3	Promptly revegetate disturbed areas.	The SDS Participants are incorporating this commitment into the construction contract documents for each of the work packages, as applicable. The revegetation contractor coordinates with the construction contractor to begin revegetation efforts following substantial completion of each construction project. Revegetation efforts have begun or been completed on the S2, S3, S4B/N1A, FW1A, and FW1B work packages.	No
p. 21, ¶1	The proposed mitigation measures will reduce both short-term and long-term effects on air quality by following standards on construction equipment and minimizing fugitive dust.	As described in the previous three responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential air quality impacts during construction. For this item and the previous three, no concerns have been identified to date.	No
Participants' Commitments: Hazardous Materials			
p. 22, Bullet 1	Remove solid waste and properly dispose of at a permitted solid waste disposal facility prior to construction of project facilities at the site.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable. Contractors are meeting all solid waste and disposal requirements.	No
p. 22, Bullet 2	Inspect the ground surface beneath the solid waste for evidence of hazardous material or petroleum product spills such as soil staining and unusual odors or colors.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 22, Bullet 3	If evidence of a spill or spills is noted, delineate the extent of the spill by laboratory analysis and excavate any contaminated soils and properly dispose of at a permitted waste disposal facility.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 22, Bullet 4	If soil and/or ground water contamination is encountered during construction of project facilities, implement mitigation procedures to minimize the risk to construction workers and to the future operation of the project.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No
p. 22, ¶1	The proposed mitigation measures will identify areas of potential contamination from hazardous materials and will remediate the soil and ground water if any contamination was identified.	As described in the previous four responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential for a hazardous materials spill. For this item and the previous four, no concerns have been identified to date.	No

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Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
El Paso County - Location Approvals			
Final Resolution, Annual Report Requirement	This approval of location shall be subject to annual reporting by the applicant on January 31 annually and review by Development Services Department to determine compliance with all applicable requirements and standards of the El Paso County regulations and the conditions and safeguards imposed upon the approval of location by the Planning Commission. Upon completion of each periodic review, the Development Services Department shall forward its report and any recommendations to the Planning Commission, Board of County Commissioners and the holder of the approval of location. The annual report shall include:	This Permit Compliance Annual Report is being prepared to demonstrate the progress successfully implementing the commitments as prescribed in the ROD and the annual reporting requirements found in the other programmatic permits and approvals including: the Pueblo County 1041 Permit, the El Paso County Approval of Locations, the CDPHE 401 Water Quality Certification and the Fountain Creek Watershed, Flood Control and Greenway District approval.	No
Annual Report Requirement, Sub-Bullet a	Evaluation of compliance with El Paso County conditions of approval	Compliance with the conditions of approval is being documented through the Site Development Plan processes for each work package. The Site Development Plan was approved for finished water pipeline segment FW1A on September 8, 2010, for the S4B/N1A pipeline on April 27, 2011, for the N1B pipeline on July 18, 2011, the Williams Creek Pump Station on July 18, 2011, the FW1B pipeline on August 17, 2011, the Bradley Pump Station Power Supply on October 11, 2012, and the S4A East and West Pipeline on October 18, 2012.	No
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.	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

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Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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
Annual Report Requirement, Sub-Bullet h	Vegetation monitoring report (status of revegetation efforts)	Revegetation efforts have begun or have concluded on the FW1A, FW1B, and the S4B/N1A Pipeline work packages.	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

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Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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
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 is being prepared and was submitted to Pueblo County on January 26, 2012. The report for 2012 is being prepared and will be submitted to Pueblo County on or about January 31, 2013.	Attachment 7 - Expenditures for Wastewater System Improvements Annual Report for 2011
25. Compliance Monitoring and Reporting, p. 18	Applicant shall monitor and periodically report to Pueblo County on its compliance with this Permit. During project construction in Pueblo County, Applicant will submit a quarterly report to Pueblo County summarizing the activities during that period, forecasting activities scheduled for the upcoming period, and addressing compliance with the terms and conditions of the Permit. After commencing deliveries of water through the SDS pipeline, Applicant shall submit annual reports to Pueblo County summarizing its activities related to the SDS Project, the Permit, and addressing compliance with the terms and conditions of the Permit. Pueblo County may, at its discretion, hold public reviews of the reports and Permit compliance, including hearings in accordance with its regulations. <i>See Mitigation Appendix ENF-1.</i>	Colorado Springs Utilities has prepared and submitted a quarterly report for 4th Quarter 2011, 1st Quarter 2012, 2nd Quarter 2012, and 3rd Quarter 2012 during this reporting period. The report for 4th Quarter 2012 is being prepared and will be submitted to Pueblo County by January 31, 2013.	No

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Reporting Requirements		CY2012 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Mitigation Appendix ENF-1, Project Detail, Item 1, p. 22 of 28	<p>1. Submit a quarterly report during project construction in Pueblo County that will provide a summary of activities related to the Conditions of the permit. The report will summarize the activities occurring in the reporting period, and a forecast of activities planned in the upcoming period. Contents of the report will include (as applicable):</p> <ul style="list-style-type: none"> a. Safety incident log. b. Citizen call log. c. Description of mitigation and restoration activities (i.e., quantity and location of repaired road surface, reseeding, etc.). d. List of non-compliance issues by contractors (silt releases, work hour infractions, fines and penalties). e. Sustainable construction practices employed. f. Schedule and key milestones met and forecast. g. Location and extent of excavations. h. Instances of work outside normal work hours, except maintenance activities. i. Status of site maintenance, security and access control to properties. j. Location and extent of dewatering activities. k. Status of other required permits, including compliance with the programmatic agreement to protect cultural resources. l. Dust monitoring summary. m. Status of drainage and erosion control measures. n. Status of plant and wildlife protection requirements. o. Status of measures to protect surface and groundwater flows. p. Status of livestock protection measures. q. Status of Clear Spring Ranch project. r. Status of pump station architectural review. s. Status of land acquisition. t. Status of compliance with requirements concerning Pueblo County Roads. u. Status of dredging at the levees on Fountain Creek in Pueblo. v. Status of reclamation and bonding for disturbed areas. w. Status of the written MOU for construction and use of the North River Outlet Works. x. Acceptance of the design of structures at Lake Pueblo Dam by the BOR. y. Status of conservation strategies, local reuse, stormwater management, drainage regulations and enforcement. z. Status of stormwater and wastewater system improvements per permit commitments. aa. Status of NEPA, ROD, contract negotiations with BOR and notice of NEPA-required mitigation and any project changes resulting from contract negotiations. bb. Status of payments in lieu of property taxes. cc. Copies of the annual reports on the SDS Project submitted to Reclamation. 	Colorado Springs Utilities has prepared and submitted a quarterly report for 4th Quarter 2011, 1st Quarter 2012, 2nd Quarter 2012, and 3rd Quarter 2012 during this reporting period. The report for 4th Quarter 2012 is being prepared and will be submitted to Pueblo County by January 31, 2013. Copies of the quarterly reports are being provided to the Bureau.	No

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Reporting Requirements		CY2012 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 2011 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.	No

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Reporting Requirements		CY2012 Annual Report Information	
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Fountain Creek WFCGD - Resolution 2010-01			
Technical Advisory Committee Condition 2, p. 3 (Also Citizen Advisory Committee Condition 2)	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. 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.	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). This year's report provides a re-submittal of last year's data, including missing data (October - December 2010) as well as the data for this year (October 2011 through September 2012).

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: 2010-10-01 -> 2011-09-30)												Annual Average Flow	Long-Term Average Annual Simulated Streamflow
	Period-of-record for statistical calculation restricted by user													
	2010			2011										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
Mean of Monthly Discharge	57.5	98.1	95.5	86.9	123.3	110.8	79.2	54.7	25	53.7	65.6	308	77.3	253.0

Notes:

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

00060, Discharge, cubic feet per second,														
YEAR	Monthly mean in cfs (Calculation Period: 2011-10-01 -> 2012-09-30)												Annual Average Flow	Long-Term Average Annual Simulated Streamflow
	Period-of-record for statistical calculation restricted by user													
	2011			2012										
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
Mean of Monthly Discharge	104.5	142.4	102.4	107.6	121.6	103.7	72.7	45.3	66.7	67.8	34.9	41.9	88.1	253.0

Notes:

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

Water Quality Monitoring Data

A Joint Funding Agreement was executed with the USGS to begin the water quality monitoring program in January, 2011. The data is reported based on the water year (October through September). This attachment contains data from October 2011 through September 2012. Data is provisional until it goes through the USGS quality assurance process.

Location	Date	Flow	Barometric pressure	Dissolved oxygen	pH	Specific conductance	Temperature	Turbidity	Escherichia coli	Total coliform	Ammonia	Selenium	Dissolved solids
	yyyymmdd	cfs	mmHg	mg/L		µS/cm	°C	FNU	MPN/100 mL	MPN/100 mL	mg/L N	µg/L	mg/L
Standards (if applicable)									126		See Note	17.4	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20111026	135	647	11	8.1	468	11.7	12	.	>2400	0.08	10.7	290
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20111122	54	647	10.7	8.5	587	6.4	3	12	340	<0.02	22.3	409
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20111220	61	640	11.9	8.6	586	3.2	0.2	5	410	<0.02	19.9	381
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120123	62	638	10.9	8.7	572	4.8	2.6	10	150	<0.02	22.1	380
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120224	64	648	11.5	8.6	573	3.7	0.7	7	340	.	21.1	386
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120326	310	637	9.8	8.6	404	9.2	3.4	3	160	<0.02	6.5	250
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120426	260	643	9.3	8.3	437	11	1.9	E9	E690	<0.02	7.7	270.0
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120529	240	645	9.5	9	408	16.6	1.7	17.0	820.0	<0.02	5.8	261.0
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120627	310	643	9.8	8.5	427	15.7	1.0	490.0	>2400	<0.02	6.4	273.0
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120723	35	645	10.6	8.9	635	27	0.9	34	>2400	0.05	18	422
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120831	77	647	8.0	8.3	539	17.6	1.9	78.0	>2400	0.1	11.8	356.0
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	20120925	46	642	10.3	8.8	603	18	1.8	54	>2400	0.03	15.4	408
Standards (if applicable)									126		See Note	4.6	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20111027	11	611	11.1	8.1	287	1.5	6	99	770	<0.02	0.1	176
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20111129	10	614	11.1	7.8	293	3.1	1.9	34	310	<0.02	0.09	175
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20111219	12	610	11.1	8.3	312	1.4	0.1	110	240	<0.02	0.13	176
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120125	6.2	609	11.4	8.3	414	0.1	3.8	170	610	<0.02	0.18	235
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120228	15	598	10.1	8.2	333	3.5	18	32	610	<0.02	0.18	184
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120328	8.9	609	9.4	8.4	323	7.9	0.9	11	210	<0.02	0.13	184
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120424	6.2	610	8.8	8.5	443	12.9	0.9	67	980	<0.02	0.13	262
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120524	8.1	602	8.1	8.3	387	13.6	5.1	410	>2400	<0.02	0.15	246
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120628	2.7	614	7.6	8.5	632	18.5	0.3	1100	>2400	<0.02	0.16	364
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120725	3.1	611	7.3	8.5	602	19.7	5	2400	>2400	0	0	352
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120830	3.5	613	8.3	8.5	534	15.2	29	1400	20000	0.04	0.19	336
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	20120926	5	612	9.1	8.3	419	9.4	54	1500	12000	<0.02	0.12	241
Standards (if applicable)									126		See Note	4.6	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20111024	37	615	7.6	8.3	729	10.9	11	170	1400	0.15	4.3	451
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20111129	31	619	10.5	8.5	705	5.3	14	78	1400	0.03	4.1	475
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20111219	31	613	11.4	8.6	760	2.8	5.8	70.0	1200.0	0.1	4.5	450.0
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120125	33	613	9.8	8.5	671	7.4	11	41	280	0.38	6.6	508
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120222	31	604	9.2	8.6	714	9.5	8.2	18	550	0.05	3.1	385
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120328	22	613	10.7	8.9	734	11.6	4.1	150	390	<0.02	4	454
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120424	46	613	8.4	8.5	644	16.4	20	38	1400	<0.02	2.9	397
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120524	31	606	7.4	8.5	503	22.4	30.0	390.0	>2400	0.1	.	316.0
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120628	9.6	616	7	9	696	26.4	4.8	440	>2400	0.03	3.9	437
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120724	20	613	7.2	8.8	610	29.8	5.4	170	>2400	0.04	2.5	371
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120830	10	616	8.2	8.4	696	16.8	6.1	440	>2400	0.07	3.6	435
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	20120925	34	614	8.5	8.6	692	16	23	460	>2400	0.17	3.6	434

Location	Date yyyymmdd	Flow cfs	Barometric pressure mmHg	Dissolved oxygen mg/L	pH	Specific conductance µS/cm	Temperature °C	Turbidity FNU	Escherichia coli MPN/100 mL	Total coliform MPN/100 mL	Ammonia mg/L N	Selenium µg/L	Dissolved solids mg/L
Standards (if applicable)									126		See Note	8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20111027	58	617	10.5	8	620	4.9	20	690	2400	0.02	2.4	381
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20111129	56	620	10.4	8.4	644	6.8	25	32	980	0.04	3.2	412
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20111219	52	615	11.3	8.5	662	2.7	8.6	86	1700	0.06	3.5	398
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120125	39	615	9.9	8.4	763	6.3	6.5	33	390	0.2	5.1	460
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120222	41	606	9.8	8.7	660	8.3	6.3	36	870	0.03	2.8	412
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120328	49	613	9.6	9	709	15.3	50	160	1000	<0.02	3.5	428
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120424	48	613	7.6	8.5	650	19.7	16	84	2000	<0.02	2.7	396
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120522	25	613	9.1	8.6	684	18.5	1.4	160	6900	<0.02	3.2	430
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120628	17	619	6.4	8.4	802	21.9	1.5	310	>2400	0.02	3.4	507
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120725	25	616	7.5	8.3	769	23.5	11	440	>2400	0.03	3.6	485
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120830	15	618	7.8	8.3	781	20.3	11	680	3900	0.03	3.1	488
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	20120926	66	618	8.5	8.1	497	12.6	130	4100	>24000	0.04	1.8	312
Standards (if applicable)									126		See Note	8	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20111027	114	618	9.6	7.9	630	13.3	14	610	>2400	0.03	2.1	408
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20111128	65	619	9.6	8	620	11.3	6.7	67	1000	0.07	3	409
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20111221	57	611	10.4	8.1	748	10.0	2.8	100	1400	0.04	3.2	478
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120124	55	614	10.2	8.1	700	9.1	4.3	44	730	0.06	3.3	411
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120228	84	605	9.1	8.1	708	11.8	3.7	48	1200	<0.02	2.7	428
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120328	115	614	8.4	8.7	651	17	6	440	1700	<0.02	2.8	414
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120424	84	615	7.9	8.2	677	18.8	6.1	56	>2400	<0.02	2.5	401
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120522	84	614	7.5	8.2	664	20.9	2.8	73	4200	0.06	2.6	405
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120628	50	620	7.2	8.2	701	21.9	4.2	250	2400	0.06	2.5	445
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120725	39	618	7.9	8.2	730	22.9	5	440	2400	0.14	2.4	444
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120830	73	619	8.3	8.3	714	24.4	6.1	260	2400	0.05	2.4	442
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	20120926	138	620	8.1	8	575	17.5	73	2200	24000	0.05	1.9	357
Standards (if applicable)									126		See Note	8	
FOUNTAIN CREEK AT SECURITY, CO	20111025	66	621	8.3	8.2	808	11.6	16	91	2400	0.31	3.5	494
FOUNTAIN CREEK AT SECURITY, CO	20111129	111	625	8.8	8.3	697	11.2	30	47	1000	0.28	3.2	463
FOUNTAIN CREEK AT SECURITY, CO	20111221	60	615	10.6	8.3	906	5.8	7.3	29	1600	0.3	3.9	578
FOUNTAIN CREEK AT SECURITY, CO	20120124	51	620	9.8	8.3	815	5.9	14.0	19.0	410.0	0.3	4.2	526.0
FOUNTAIN CREEK AT SECURITY, CO	20120224	94	623	8.9	8.3	954	11	30	33	920	0.4	3.3	584
FOUNTAIN CREEK AT SECURITY, CO	20120327	78	622	8.6	8.6	756	14	14.0	44.0	1300.0	0.2	3.2	469.0
FOUNTAIN CREEK AT SECURITY, CO	20120426	83	618	7.3	8.4	784	22.5	31	E69	E1400	0.38	2.8	468
FOUNTAIN CREEK AT SECURITY, CO	20120521	85	625	7.3	8.4	720	22.6	21	10	340	0.24	2.8	445
FOUNTAIN CREEK AT SECURITY, CO	20120628	44	624	6.7	8.5	782	22.8	11	1000	7700	0.02	2.8	494
FOUNTAIN CREEK AT SECURITY, CO	20120726	48	624	7.2	8.5	799	27.5	45	220	>2400	0.25	3.1	489
FOUNTAIN CREEK AT SECURITY, CO	20120830	37	623	7.2	8.5	779	26	34	290	6100	0.39	3.1	497
FOUNTAIN CREEK AT SECURITY, CO	20120924	56	624	8	8.2	778	16.3	18	140	>2400	0.11	3.4	496

Location	Date yyyymmdd	Flow cfs	Barometric pressure mmHg	Dissolved oxygen mg/L	pH	Specific conductance µS/cm	Temperature °C	Turbidity FNU	Escherichia coli MPN/100 mL	Total coliform MPN/100 mL	Ammonia mg/L N	Selenium µg/L	Dissolved solids mg/L
Standards (if applicable)										126	See Note	8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20111025	86	625	9	8.1	1020	13.8	19	23	2400	0.03	4.3	653
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20111128	95	630	9.3	8.1	865	8.7	30	37	2000	0.04	4.8	578
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20111221	73	621	10.2	8.3	951	5.8	14	23	1700	0.04	4.6	635
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120124	73	627	10.2	8.4	938	6.7	27	10	520	0.04	4.6	622
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120224	79	630	9.4	8.3	1140	9	34	13	490	0	4	716
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120327	64	627	8.8	8.4	928	15.8	8	8	460	<0.02	3.6	605
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120423	71	631	7.9	8.2	1000	16.7	44	26	2000	0.03	3.6	623
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120521	53	631	6.8	8.2	1010	23.4	20	16	190	0.02	3.9	666
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120625	52	628	7	8.4	998	28.4	44	85	3300	<0.02	3.4	644
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120726	48	630	6.7	8.2	1010	27	11	48	2400	0.03	3.4	634
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120828	53	632	7.0	8.1	971	24.3	76	E300	E20000	0.03	3.1	630
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	20120924	50	629	7.6	8.4	989	20.3	9.7	52	>2400	0.02	3.9	627
Standards (if applicable)										126	See Note	8	
FOUNTAIN CREEK NEAR PINON, CO	20111025	76	634	8.7	8.3	1120	13.5	61	73	2400	0.02	4.4	723
FOUNTAIN CREEK NEAR PINON, CO	20111121	105	634	9.4	8.1	987	7.8	73	27	1700	0.05	4.1	666
FOUNTAIN CREEK NEAR PINON, CO	20111221	97	629	10.2	8.3	1000	4.2	72	14	1300	0.04	4.9	673
FOUNTAIN CREEK NEAR PINON, CO	20120126	94	633	9.4	8.4	1070	8.6	64	19	210	0.04	5.6	739
FOUNTAIN CREEK NEAR PINON, CO	20120227	111	636	10	8.3	1020	7.4	86	10	550	0.04	4.2	627
FOUNTAIN CREEK NEAR PINON, CO	20120329	47	633	E9.0	8.3	1090	9.7	27	6	490	<0.02	5	706
FOUNTAIN CREEK NEAR PINON, CO	20120423	30	638	6.8	8.3	1160	21.2	20	11	1100	<0.02	4.9	813
FOUNTAIN CREEK NEAR PINON, CO	20120525	29	632	6.6	8.4	1130	25.3	27	98	2800	0.02	5	743
FOUNTAIN CREEK NEAR PINON, CO	20120625	28	639	7.6	8.2	1110	22.4	60	200	6500	<0.02	4.4	725
FOUNTAIN CREEK NEAR PINON, CO	20120726	4	639	8.7	8.3	1140	27.8	26	250	>2400	0.03	4.2	741
FOUNTAIN CREEK NEAR PINON, CO	20120828	25	641	6.6	8.4	1120	28.3	80	E240	E20000	0.03	3.6	746
FOUNTAIN CREEK NEAR PINON, CO	20120926	175	638	8.1	8.1	598	16.7	1060	20000	>24000	0.05	2.8	362
Standards (if applicable)										126	See Note	28.1	
FOUNTAIN CREEK AT PUEBLO, CO.	20111026	100	646	9.8	8.4	1360	8	89	93	>2400	<0.02	14.9	938
FOUNTAIN CREEK AT PUEBLO, CO.	20111121	142	642	10.9	8.2	1160	4.4	51	15	1700	0.02	10.7	841
FOUNTAIN CREEK AT PUEBLO, CO.	20111222	E97	649	11.6	8.3	1200	1.4	55	11	870	0	12	793
FOUNTAIN CREEK AT PUEBLO, CO.	20120125	114	642	9.9	8.5	1280	7.7	36	5	310	0.02	13.9	848
FOUNTAIN CREEK AT PUEBLO, CO.	20120224	116	646	11.9	8.2	1230	0	57	7	520	<0.02	10.6	782
FOUNTAIN CREEK AT PUEBLO, CO.	20120327	78	640	8	8.5	1270	17.7	12	6	99	<0.02	12.7	828
FOUNTAIN CREEK AT PUEBLO, CO.	20120425	39	641	8.4	8.4	1450	16.4	12	44	240	<0.02	20.6	1020
FOUNTAIN CREEK AT PUEBLO, CO.	20120522	47	637	7.2	8.6	1460	28	31	<100	3700	<0.02	22.3	1010
FOUNTAIN CREEK AT PUEBLO, CO.	20120627	24	641	6.8	8.6	1480	26.6	6	20	2400	<0.02	23.4	1050
FOUNTAIN CREEK AT PUEBLO, CO.	20120723	9.1	644	12.3	8.7	2070	31.5	2.5	13	>2400	0.03	68	1640
FOUNTAIN CREEK AT PUEBLO, CO.	20120823	18	642	7.9	8.5	1470	25.7	23	12	>2400	0.02	20.7	1030
FOUNTAIN CREEK AT PUEBLO, CO.	20120924	17	643	8	8.5	1610	19.8	1.8	20	2400	<0.02	30.3	1190

Location	Date yyyymmdd	Flow cfs	Barometric pressure mmHg	Dissolved oxygen mg/L	pH	Specific conductance µS/cm	Temperature °C	Turbidity FNU	Escherichia coli MPN/100 mL	Total coliform MPN/100 mL	Ammonia mg/L N	Selenium µg/L	Dissolved solids mg/L
Standards (if applicable)									126		See Note	14.1	
ARKANSAS RIVER NEAR AVONDALE, CO.	20111026	351	651	10.8	8.2	864	10.2	26	140	2400	0.03	11.6	586
ARKANSAS RIVER NEAR AVONDALE, CO.	20111121	291	648	10.4	8	1000	4.6	24	16	630	0	14	700
ARKANSAS RIVER NEAR AVONDALE, CO.	20111215	284	650	11.2	8.4	950	5.5	15	9	230	0.34	14.8	655
ARKANSAS RIVER NEAR AVONDALE, CO.	20120123	269	644	10.9	8.2	1000	2.8	21	13	520	0.88	16.2	687
ARKANSAS RIVER NEAR AVONDALE, CO.	20120227	269	644	10.9	8.6	988	9.2	26	20	550	0.07	16.6	669
ARKANSAS RIVER NEAR AVONDALE, CO.	20120326	494	641	9.1	8.3	709	10.5	33	15	390	0.03	9.9	457
ARKANSAS RIVER NEAR AVONDALE, CO.	20120423	461	648	8.5	8.3	721	19.6	36	41	1100	<0.02	10.5	457
ARKANSAS RIVER NEAR AVONDALE, CO.	20120529	544	648	10.3	8.6	593	18.8	17	17	1700	<0.02	8.2	388
ARKANSAS RIVER NEAR AVONDALE, CO.	20120627	400	647	8	8.4	605	24.1	25	36	>2400	<0.02	8	399
ARKANSAS RIVER NEAR AVONDALE, CO.	20120723	161	649	9.4	8.4	848	26.5	12	7	>2400	0.02	11.4	597
ARKANSAS RIVER NEAR AVONDALE, CO.	20120831	207	650	8.2	8.2	821	18.4	20	42	>2400	0.05	10.6	553
ARKANSAS RIVER NEAR AVONDALE, CO.	20120925	166	645	9.4	8.5	861	20.8	16	21	>2400	<0.02	12.4	606
Standards (if applicable)									126		See Note	28.1	
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20111028	140	649	10.2	8.3	1220	7.0	180	E370	>2400	0	10	851
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20111130	115	638	9.8	8.3	1250	6.3	57	27	1700	0.03	10.7	825
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20111214	96	639	10.6	8.4	1250	3.2	49	8	1200	<0.02	11.3	878
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120123	87	639	9.2	8.4	1280	5.9	46	1	260	<0.02	14.8	858
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120228	104	634	10.4	8.3	1240	3.5	48	3	280	<0.02	11.2	784
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120326	84	639	9.1	8.4	1250	10	29	23	360	<0.02	11.9	850
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120426	32	643	8.6	8.2	1570	16	12	E43	E1000	<0.02	22.3	1100
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120521	51	649	7.3	8.3	1600	22.4	46	280	>2400	0.02	29.2	1200
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120627	26	643	8.2	8.4	1520	23.3	11	100	>2400	<0.02	21.6	1080
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120723	6.6	647	11.8	8.6	2150	25.9	1.7	140	>2400	0.03	58.2	1720
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120823	26	646	8.4	8.4	1540	23.4	25	170	>2400	0.04	22.3	1120
FOUNTAIN CR AT EAST RIVER ST AT PUEBLO, CO	20120927	85	648	8	8.4	1230	15.3	310	210	1000	0	16	845
Standards (if applicable)									126		See Note	8	
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20111031	114	641	8.5	8.4	1180	12.7	92	44	2400	<0.02	5.9	804
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20111130	115	638	9.6	8.2	1170	4.5	62	34	2000	<0.02	7.5	780
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20111220	109	639	10.5	8.4	1180	4.2	55	8	730	<0.02	7.1	797
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120126	86	644	11.2	8.3	1230	1.8	31	19	210	0.02	7.8	778
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120224	132	647	11.5	8.3	1130	2.2	150	8	1000	<0.02	6.2	745
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120327	71	642	9.4	8.4	1180	8.2	21	26	170	<0.02	6.6	768
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120425	36	642	7.7	8.5	1320	20	13	16	230	<0.02	9.6	884
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120521	45	648	8.3	8.3	1300	16.6	67	96	2000	<0.02	10	892
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120625	26	641	6.5	8.6	1300	29.5	19	20	1400	<0.02	8.5	834
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120828	23	647	8.1	8.6	1320	29	9.7	E20	E3400	<0.02	8.1	912
FOUNTAIN CR ABV 40TH ST AT PUEBLO, CO	20120924	19	644	8.4	8.4	1360	15.0	7	63	690	<0.02	9	951

Location	Date yyyymmdd	Flow cfs	Barometric pressure mmHg	Dissolved oxygen mg/L	pH	Specific conductance µS/cm	Temperature °C	Turbidity FNU	Escherichia coli MPN/100 mL	Total coliform MPN/100 mL	Ammonia mg/L N	Selenium µg/L	Dissolved solids mg/L
Standards (if applicable)									126		See Note	8	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20111027	132	628	8.5	8.3	794	12.1	50	550	>2400	0	3	520
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20111128	106	628	10.8	8.1	790	7.0	27	230	980	0	4	524
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20111220	76	624	10.7	8.3	852	3.4	12	34	1400	0	4	541
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120124	67	624	9.7	8.4	867	7.1	14	38	2000	0	4	580
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120227	99	628	10.6	8.2	864	3.5	25	E42	E920	0	4	493
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120329	60	625	9	8.4	839	13.8	16	51	1700	0	3	529
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120425	46	624	7.4	8.6	896	21.8	11	52	1200	<0.02	3	563
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120525	40	623	8.1	8.3	812	15.6	4	130	>2400	0	3	523
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120625	61	627	8.1	8.7	832	27.3	8	74	2500	0	3	522
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120725	50	627	7.4	8.4	833	23.4	12	55	2400	0	3	521
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120828	62	632	7.5	8.2	812	21.9	22	E85	E6900	0	3	502
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	20120924	46	628	8.4	8.5	838	17.7	7	96	>2400	0	3	533

Note on Ammonia:

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

Note on Salinity:

No standards exist for Salinity along the Arkansas River.

Complaint Log

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	1/25/2012	Dwain Maxwell on Kirkwood, S2	Dust complaint	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
PC	1/26/2012	Robert Holcomb on Blackstone, S2	Dust complaint	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
EPC	2/1/2012	Lee Gross in Peaceful Valley, N1B	Dust complaint	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
PC	2/17/2012	Dwain Maxwell on Kirkwood, S2	Speeding, dust complaint	Contacted resident engineer, who called for water truck and spoke to constructor about speeds. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
EPC	3/19/2012	Lou Paddock on Heritage Road, N1B	Dust complaint	Call came at 5:45 pm Friday night. Crews applied water to dirt piles first thing Monday and now will do at least at close of job every Friday.	None needed	Resident satisfied with outcome

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	2/22/2012	Herb Walsh on Kirkwood, S2	Speeding, dust complaint, question about possible appurtenance	Contacted resident engineer, who called for water truck and spoke to constructor about speeds. Air quality readings taken within the easement were within acceptable levels. Also let Mr. Walsh know that no appurtenance is planned on his property.	None needed	Resident satisfied with outcome
PC	3/8/2012	Mr. C. Mullins	Dust complaint	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
PC	3/13/2012	Dwain Maxwell on Kirkwood, S2	Dust complaint	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
PC	3/19/2012	Clarence Felzien on Ginger Drive, S2	Complaint about a trucking subcontractor's trucks using compression "jake" brakes on Purcell near his home	Contacted resident engineer, who contacted contractor.	None needed	Resident satisfied with outcome

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	3/19/2012	Dwain Maxwell on Kirkwood, S2	Dust complaint, concern about night vehicle maintenance near his home	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels. Also asked resident engineer to make sure night maintenance is further from the Maxwell home. This work was two lots away.	None needed	Resident satisfied with outcome
PC	3/21/2012	Mr. C. Mullins, Thorpe Drive, S2	Dust complaint	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
PC	3/27/2012	The Williamses on Kirkwood Drive, S2	Complaint about construction worker behavior in easement	Went to front door, asked construction company to provide worker to make immediate apology to residents	None needed	Resident satisfied with outcome
PC	3/29/2012	Mr. Carver on Linda Drive, S2	Dust complaint	Contacted resident engineer, who had water truck apply more water in the affected area. Air quality readings taken within the easement were within acceptable levels.	None needed	Resident satisfied with outcome
PC	4/27/2012	Charlie Brown, resident near Iliff Drive and Canvas Drive	Dust observation during door to door visit	Water truck was mobilized within an hour after observation.	None needed	Resident seemed satisfied

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	5/26/2012	Mr. Holcomb on Linda Drive	Dust complaint--related to storm that came up suddenly, then eased	Resident engineer and contractor visited the area and found that recent rains had crusted over the soil and that the storm had kicked up dirt loosened by construction traffic on alignment. Contractor had pictures to document the passage of the dust storm.	None needed	Resident seemed satisfied
PC	6/4/2012	Ms. Kay on Ranch Drive	Dust complaint -- dust coming off of the piles near her house	Contacted resident engineer, who asked contractor to send water truck to this area. Area was watered within an hour of call.	None needed	Resident seemed satisfied
PC	6/22/2012	Mrs. Williams on Kirkwood Drive	Dust complaint	Contacted resident engineer, who asked contractor to send water truck to this area. Area was watered within an hour of call.	None needed	Resident seemed satisfied.
PC	8/2/2012	Mrs. Dupree	Dust complaint near Marengo	Contacted resident engineer, who arranged for water truck and reminded contractor that dust control is on ongoing responsibility	None needed	Resident 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
BPSPS	Thursday	10/25/2012	6:00pm - 7:00pm	Water tank failure on drilling equipment, additional equipment had to be brought on site.
BPSPS	Wednesday	10/30/2012	6:00pm - 7:30pm	20" bore tunnel repair.
BPSPS	Thursday	11/15/2012	6:00pm - 7:30pm	Directional drilling crew hit fiber optic and phone line during drilling operation.
S4B/N1A/N1B	Saturday	6/30/2012	3:00am - 7:00am	Start concrete pour early to avoid mid-day heat
S4B/N1A/N1B	Friday	7/6/2012	3:00am - 7:00am	Start concrete pour early to avoid mid-day heat
S4B/N1A/N1B	Thursday	7/19/2012	3:00am - 7:00am	Start concrete pour early to avoid mid-day heat
S4B/N1A/N1B	Wednesday	7/25/2012	3:00am - 7:00am	Start concrete pour early to avoid mid-day heat
S4B/N1A/N1B	Wednesday	9/12/2012	6:00pm - 7:00pm	Stayed late to prep for concrete pour
S4B/N1A/N1B	Thursday	9/13/2012	6:00am - 7:00am	To complete prep for concrete pour & avoid predicted rain
S4B/N1A/N1B	Wednesday	9/19/2012	6:00am - 7:00am	Start concrete pour early
S4B/N1A/N1B	Thursday	10/11/2012	6:00pm - 7:30pm	Exploratory excavation to determine shoring requirements for upcoming work
FW1B	Sunday	2/5/2012	7:00am - 12:00pm	Damaged pipe repair work - grout removal
PDC 1A	Monday	1/23/2012	6:00 p.m. - 8:00 p.m.	Critical lift
PDC 1A	Saturday	1/28/2012	7:00 a.m. - 4:00 p.m.	Work at Buttress 16
PDC 1A	Saturday	2/4/2012	7:00 a.m. - 4:00 p.m.	Work at Buttress 16
PDC 1A	Saturday	2/11/2012	7:00 a.m. - 4:00 p.m.	Work at Buttress 16
PDC 1A	Saturday	3/3/2012	7:00 a.m. - 5:30 p.m.	Rebar installation and pipe sandblast
PDC 1A	Saturday	3/10/2012	7:00 a.m. - 5:30 p.m.	Rebar installation and walkway shoring
PDC 1A	Sunday	3/11/2012	8:00 a.m. - 10:00 a.m.	Loosen forms at north shore
PDC 1A	Saturday	3/17/2012	7:00 a.m. - 5:30 p.m.	Install shoring and electrical conduit installation
PDC 1A	Monday	3/19/2012	6:00 p.m. - 8:00 p.m.	Work at Buttress 16
PDC 1A	Tuesday	3/20/2012	6:00 p.m. - 8:00 p.m.	Work at Buttress 16
PDC 1A	Wednesday	3/21/2012	6:00 p.m. - 8:00 p.m.	Work at Buttress 16
PDC 1A	Thursday	3/22/2012	6:00 p.m. - 8:00 p.m.	Work at Buttress 16
PDC 1A	Friday	3/23/2012	6:00 p.m. - 8:00 p.m.	Work at Buttress 16
PDC 1A	Saturday	3/24/2012	7:00 a.m. - 6:00 p.m.	Work at Buttress 16
PDC 1A	Monday	3/26/2012	6:00 p.m. - 10:30 p.m.	Coffer dam repair
PDC 1A	Saturday	3/31/2012	7:00 a.m. - 6:00 p.m.	Work at Buttress 16
PDC 1A	Saturday	4/7/2012	7:00 a.m. - 6:00 p.m.	Concrete work
PDC 1A	Saturday	4/14/2012	7:00 a.m. - 6:00 p.m.	Concrete work and lining preparation
PDC 1A	Saturday	4/21/2012	7:00 a.m. - 6:00 p.m.	Concrete work and lining preparation
PDC 1A	Friday	4/27/2012	6:00 a.m. - 7:00 a.m.	Early start for concrete placement
PDC 1A	Saturday	5/19/2012	7:00 a.m. - 6:00 p.m.	Bulkhead removal
S2	Monday	4/16/2012	6:00 p.m. - 8:00 p.m.	Pipe Laying Across Purcell Blvd
S2	Tuesday	4/17/2012	6:00 p.m. - 8:00 p.m.	Pipe Laying Across Purcell Blvd
S2	Wednesday	4/18/2012	6:00 p.m. - 6:30 p.m.	Pipe Laying Across Purcell Blvd
S2	Monday	4/30/2012	6:00 p.m. - 8:00 p.m.	Pipe Laying Across E Platteville Blvd
S2	Tuesday	5/1/2012	6:00 p.m. - 8:00 p.m.	Pipe Laying Across E Platteville Blvd

Expenditures for Wastewater System Improvements Annual Report for 2012



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

January 17, 2013

Reporting for the period between January 1, 2012 and December 31, 2012.

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APPENDIX A – LCERP COMPLETION TABLE

APPENDIX B – MHERP COMPLETION TABLE

Introduction

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

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

Expenditures for Wastewater System Improvements

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

The Wastewater Collection System Rehabilitation Programs are comprehensive programs that systematically inspect, evaluate, prioritize, and rehabilitate the entire Springs Utilities collection system. In 2012, the projects that met the terms of Condition No. 7 are: 1) the Local Collectors Evaluation and Rehabilitation Project (LCERP); 2), the Manhole Evaluation and Rehabilitation Project (MHERP); and 3) the Collection System Rehabilitation and Replacement Project (R&R). These projects are independent of Springs Utilities' normal operation and maintenance programs.

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

Project Descriptions

Local Collectors Evaluation and Rehabilitation Project (LCERP)

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

LCERP:

- Determines the condition of all the sanitary sewer pipe segments less than 10-inches in diameter and places them by priority on a schedule to be re-inspected, rehabilitated, repaired and/or replaced.
- Reduces the risk of Sanitary Sewer Overflows (SSOs)
- Is part of the overall long-term investments to our wastewater system through the year 2025.

In 2012, LCERP repaired or rehabilitated approximately 26,003 feet of less than 10-inch sewer pipe, representing approximately 90 line segments, at a cost of \$2,055,737.

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.

In 2012, MHERP repaired or rehabilitated 425 manholes, at a cost of \$755,602.

Collection System Rehabilitation and Replacement Project (R&R)

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

R&R:

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

There were no pipes rehabilitated in 2012 that would be applicable to the terms of the 1041 Permit. All R&R project work on large diameter (greater than 10-inch) sewer pipes that were installed after January 1, 1994, was on pipes subject to a Compliance Order on Consent issued by the Colorado Department of Public Health and Environment in 2001 and consisted of cured-in-place pipe installations and/or point repairs.

Wastewater Reuse System

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

Wastewater Reuse Systems:

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

Only normal operation and maintenance of the reuse system was conducted in 2012.

Summary

During the reporting period of January 1, 2012 through December 31, 2012 costs for LCERP and MHERP totaled \$2,811,339.

¹ A program, separate from the R&R project, is the Sanitary Sewer Evaluation and Rehabilitation Program, which includes large diameter pipe installed *prior to* 1994, and the Sanitary Sewer Creek Crossing Project are compliance order Wastewater Collection System Rehabilitation Programs that do not meet the terms of Condition No. 7. These compliance activities resulted in an expenditure of \$2.99M in 2012.

Appendix A

2012 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.141232	2435927	8	349	CIPP	CRAGMOOR	02/06/12
WW.140222	2435928	8	271	CIPP	MESA VALLEY	02/07/12
WW.134348	2435930	8	264	CIPP	CRAGMOOR	02/08/12
WW.156078	2435931	8	254	CIPP	WEST SIDE	02/09/12
WW.136050	2435932	8	60	CIPP	NORTH SUBURBAN	02/10/12
WW.139688	2435933	8	179	replacement	WEST SIDE	01/05/12
WW.137703	2435934	8	425	replacement	WEST SIDE	01/05/12
WW.155650	1829018	8	274	CIPP	SHOOKS RUN	05/07/12
WW.146821	2357972	8	281	CIPP	UPPER SAND CREEK	05/08/12
WW.158998	2436145	8	385	CIPP	UPPER SAND CREEK	05/09/12
WW.146824	2357597	8	210	CIPP	UPPER SAND CREEK	05/10/12
WW.133838	2352706	8	165	CIPP	BEAR CREEK	05/11/12
WW.137468	2177604	8	237	CIPP	SPRING CREEK	05/12/12
WW.154131	2435939	8	435	CIPP	SHOOKS RUN	04/17/12
WW.145545	2435946	8	475	CIPP	SHOOKS RUN	04/18/12
WW.134600	2435947	8	323	CIPP	SHOOKS RUN	04/19/12
WW.161783	2435948	8	441	CIPP	SHOOKS RUN	04/20/12
WW.163935	2055707	8	451	CIPP	SHOOKS RUN	04/24/12
WW.153707	2435949	8	161	CIPP	SHOOKS RUN	04/25/12
WW.137349	2054884	8	382	CIPP	SHOOKS RUN	04/26/12
WW.137350	2054883	8	238	CIPP	SHOOKS RUN	04/27/12
WW.134765	2435950	8	335	CIPP	SHOOKS RUN	04/28/12
WW.143947	2435952	8	275	CIPP	UPPER SAND CREEK	07/06/12
WW.148856	2435954	8	399	CIPP	UPPER SAND CREEK	07/07/12
WW.133156	2435975	8	399	CIPP	UPPER SAND CREEK	07/08/12
WW.154925	2436039	8	340	CIPP	UPPER SAND CREEK	07/09/12
WW.142725	2436090	8	161	CIPP	UPPER SAND CREEK	07/28/12
WW.141895	2436128	8	382	CIPP	UPPER SAND CREEK	07/29/12
WW.152125	2436130	8	363	CIPP	UPPER SAND CREEK	07/30/12
WW.159064	2436131	8	261	CIPP	UPPER SAND CREEK	07/31/12
WW.140634	2436132	8	293	CIPP	UPPER SAND CREEK	08/01/12
WW.146910	2436134	8	354	CIPP	UPPER SAND CREEK	08/02/12
WW.152910	2436136	8	137	CIPP	UPPER SAND CREEK	08/01/12
WW.136543	2436138	8	248	CIPP	UPPER SAND CREEK	06/12/12
WW.159058	2436139	8	345	CIPP	UPPER SAND CREEK	06/13/12
WW.141894	2436140	8	292	CIPP	UPPER SAND CREEK	06/14/12
WW.149535	1856957	8	393	CIPP	CRAGMOOR	06/15/12
WW.157337	1947368	8	308	CIPP	BEAR CREEK	07/10/12
WW.152566	2140794	8	320	CIPP	BRIARGATE	07/11/12
WW.163376	2469068	8	301	CIPP	TEMPLETON GAP	07/12/12
WW.135660	2469070	8	301	CIPP	TEMPLETON GAP	10/01/12
WW.163368	1892991	8	245	CIPP	TEMPLETON GAP	06/26/12
WW.137793	1893006	8	321	CIPP	TEMPLETON GAP	06/26/12
WW.149134	1926307	8	292	CIPP	TEMPLETON GAP	12/12/12
WW.159321	1926329	8	48	CIPP	TEMPLETON GAP	12/12/12
WW.157259	1926509	8	396	CIPP	TEMPLETON GAP	12/13/12
WW.153159	1926324	8	169	CIPP	TEMPLETON GAP	12/14/12
WW.155157	1926555	8	273	CIPP	TEMPLETON GAP	09/03/12
WW.140878	1926327	8	150	CIPP	TEMPLETON GAP	12/17/12
WW.140882	1926458	8	304	CIPP	TEMPLETON GAP	08/03/12
WW.140884	1926441	8	416	CIPP	TEMPLETON GAP	08/30/12
WW.145084	1926401	8	261	CIPP	TEMPLETON GAP	06/26/12
WW.145088	1926483	8	382	CIPP	TEMPLETON GAP	08/24/12
WW.145099	1926743	8	359	CIPP	TEMPLETON GAP	08/28/12
WW.138846	1926524	8	327	CIPP	TEMPLETON GAP	07/19/12
WW.152142	1927129	8	419	CIPP	TEMPLETON GAP	08/27/12
WW.145101	1926844	8	274	CIPP	TEMPLETON GAP	07/19/12
WW.133697	1927206	8	317	CIPP	TEMPLETON GAP	08/24/12
WW.133699	1927214	8	288	CIPP	TEMPLETON GAP	07/18/12
WW.159345	2469071	8	317	CIPP	TEMPLETON GAP	07/30/12
WW.163380	2469072	8	298	CIPP	TEMPLETON GAP	07/13/12
WW.151108	2045409	8	347	CIPP	LOWER COTTONWOOD CREEK	07/17/12
WW.151110	2045478	8	154	CIPP	LOWER COTTONWOOD CREEK	08/23/12
WW.157222	2045402	8	409	CIPP	LOWER COTTONWOOD CREEK	07/18/12

2012 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.155114	2045521	8	89	CIPP	LOWER COTTONWOOD CREEK	07/16/12
WW.142939	2045703	8	287	CIPP	LOWER COTTONWOOD CREEK	08/22/12
WW.140824	2045403	8	260	CIPP	LOWER COTTONWOOD CREEK	06/28/12
WW.140502	2047827	8	449	CIPP	TEMPLETON GAP	06/27/12
WW.150790	2047830	8	415	CIPP	TEMPLETON GAP	06/28/12
WW.132958	2047833	8	372	CIPP	TEMPLETON GAP	06/29/12
WW.146712	2046468	8	240	CIPP	TEMPLETON GAP	06/29/12
WW.147180	1927796	8	154	CIPP	TEMPLETON GAP	07/11/12
WW.155182	1928038	8	313	CIPP	TEMPLETON GAP	07/12/12
WW.161381	1927907	8	308	CIPP	TEMPLETON GAP	07/12/12
WW.153824	1818493	8	190	CIPP	SPRING CREEK	06/29/12
WW.154075	2220531	8	252	CIPP	UPPER SAND CREEK	06/29/12
WW.142687	2220532	8	440	CIPP	UPPER SAND CREEK	07/11/12
WW.150880	2220533	8	227	CIPP	UPPER SAND CREEK	06/25/12
WW.133723	2220534	8	158	CIPP	TEMPLETON GAP	06/28/12
WW.132297	1964367	8	268	CIPP	DOUGLAS CREEK	08/02/12
WW.144314	1964369	8	343	CIPP	DOUGLAS CREEK	07/31/12
WW.137133	2483400	8	188	CIPP	CRAGMOOR	08/30/12
WW.149524	2483399	8	188	CIPP	CRAGMOOR	08/01/12
WW.147485	1856961	8	196	CIPP	CRAGMOOR	08/01/12
WW.141238	2483402	8	173	Replacement	CRAGMOOR	09/11/12
WW.135631	2409140	8	202	Replacement	UPPER SAND CREEK	09/12/12
WW.177811	2409141	8	285	Replacement	UPPER SAND CREEK	09/14/12
WW.146873	2409143	8	94	Replacement	UPPER SAND CREEK	10/01/12
WW.148857	2049144	8	299	Replacement	UPPER SAND CREEK	10/02/12
ww.145296	2364936	8	380	Replacement	CARSON VALLEY	09/14/12
Totals		90	26,003			

Appendix B

2012 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.103113	2204493	4	12.3	04/23/2012
ww.119470	2204550	4	14	04/24/2012
ww.106439	2204546	4	16.6	04/26/2012
ww.124393	2204545	4	11	04/25/2012
ww.122321	2204543	5	16.8	04/26/2012
ww.120375	2204542	5	10.5	04/25/2012
ww.118426	2204540	5	9.9	04/25/2015
ww.116441	2204538	5	15.5	04/25/2012
ww.112695	2204553	4	9.6	04/25/2012
ww.128602	2204552	4	14.1	04/24/2012
ww.112448	2204536	5	9.6	04/25/2012
ww.126359	2204533	5	9.9	05/03/2012
ww.119432	2204499	5	12.7	04/24/2012
ww.109586	2219522	5	13.3	09/23/2012
ww.107556	2219513	5	12.8	04/06/2012
ww.129536	2219551	5	10.2	04/06/2012
ww.118480	2399769	4	7.8	04/24/2012
ww.117416	2399781	4	9.7	04/05/2012
ww.122716	2399782	5	12.3	05/30/2012
ww.111537	2399783	5	7.3	04/06/2012
ww.117263	2399784	5	7.4	04/02/2012
ww.102104	2399785	4	10.6	04/04/2012
ww.128907	2399789	4	13.2	04/02/2012
ww.125373	2399790	4	10.5	03/01/2012
ww.117455	2399791	4	9	02/29/2012
ww.129394	2399793	4	7.5	02/29/2012
ww.111415	2399794	4	9.9	04/04/2012
ww.121666	2399795	4	8.5	03/01/2012
ww.103810	2399796	4	6.5	04/05/2012
ww.198424	2399797	4	7	04/05/2012
ww.108868	2399798	5	21	02/29/2012
ww.103794	2399799	4	10.5	03/01/2012
ww.111984	2399801	4	11	05/10/2012
ww.116072	2399802	5	10.6	09/13/2012
ww.102699	2399805	5	12.4	04/02/2012
ww.100413	2399808	5	9.2	04/25/2012
ww.113421	2399809	4	13.2	04/02/2012
ww.129402	2399810	4	7	04/05/2012
ww.113290	2399986	5	9.2	09/11/2012
ww.129750	2399987	4	7.6	02/29/2012
ww.114158	2415330	6	19	04/09/2012
ww.112132	2415331	5	19	04/09/2012
ww.100512	2415333	4	12.8	04/12/2012
ww.122019	2415337	4	13.5	04/10/2012
ww.106147	2415342	5	15.7	04/23/2012
ww.116145	2415343	5	13.9	04/23/2012
ww.130092	2415344	5	13.2	04/10/2012
ww.100513	2415345	4	12.8	04/11/2012
ww.130937	2422462	5	21	05/08/2012
ww.119473	2422463	5	18.3	05/24/2012
ww.113616	2199698	4	12.9	06/13/2012
ww.101284	2468370	4	9.7	08/23/2012
ww.104812	2468363	4	8.2	08/20/2012
ww.106790	2468365	4	13	08/20/2012
ww.118273	2468360	4	9.7	08/20/2012
ww.111219	2468400	4	10.7	08/23/2012
ww.116658	2468368	4	9.7	08/23/2012
ww.126781	2468364	4	8.2	08/20/2012
ww.106040	2468415	4	6.7	08/27/2012
ww.108078	2468416	4	5.2	08/27/2012
ww.105790	2468392	5	5.7	12/03/2012
ww.105793	2468395	4	9.2	09/06/2012
ww.113803	2468393	4	8.7	09/06/2012
ww.121274	2468419	4	6.8	09/05/2012
ww.127527	2468420	4	12.7	09/07/2012
ww.113770	2383197	4	5.9	03/01/2012
ww.117747	2383198	4	5	03/06/2012
ww.115750	2383199	4	4.6	03/06/2012
ww.129706	2383200	4	6.2	03/06/2012
ww.131733	2383201	4	7.2	03/06/2012
ww.115748	2383202	4	5.2	03/05/2012
ww.129703	2383203	4	6.9	04/10/2012
ww.129704	2383204	4	6.1	03/12/2012
ww.109773	2383205	4	5.6	03/12/2012
ww.125724	2383206	4	5.6	03/09/2012
ww.113767	2383207	4	4.3	02/29/2012
ww.105740	2383208	4	7.4	04/11/2012
ww.127703	2383209	4	9.7	04/11/2012
ww.129699	2383210	4	11.7	04/11/2012
ww.129702	2383215	4	9.6	03/09/2012
ww.107754	2383212	4	6.7	03/05/2012
ww.123643	2383213	4	4.6	03/05/2012
ww.105738	2383214	4	8.2	03/09/2012
ww.127702	2383211	4	9.6	04/10/2012
ww.125726	2383216	4	11.6	03/12/2012
ww.129705	2383217	4	8.9	02/29/2012
ww.131734	2383218	4	10	02/29/2012
ww.103679	2383219	4	4.2	02/29/2012
ww.103675	2383220	4	5.4	01/26/2012
ww.131730	2383221	4	9	01/26/2012
ww.105741	2383222	4	5.2	01/26/2012
ww.105743	2383223	4	8.2	03/01/2012
ww.107755	2383224	4	6.8	03/01/2012

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CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.131731	2383225	4	9.2	02/29/2012
ww.107753	2383226	4	8	03/05/2012
ww.105737	2383227	4	8.7	04/11/2012
ww.113768	2383228	4	6.1	03/01/2012
ww.103676	2383229	4	5.8	03/05/2012
ww.129695	2386898	4	2.5	03/28/2012
ww.125717	2386908	4	4.9	03/29/2012
ww.103667	2386904	4	7.3	03/22/2012
ww.103668	2386906	4	4.1	03/29/2012
ww.111724	2386889	4	5.5	03/21/2012
ww.111726	2386893	4	5.5	03/21/2012
ww.123639	2386884	4	9.9	03/21/2012
ww.103663	2386885	4	7.4	03/21/2012
ww.129692	2386872	4	11.1	03/20/2012
ww.103662	2386883	4	9.1	03/27/2012
ww.127690	2386855	4	11	03/06/2012
ww.111716	2386854	4	12.1	03/06/2012
ww.129684	2386853	4	10.1	03/22/2012
ww.103658	2386859	4	8.3	03/08/2012
ww.115743	2386886	4	7.8	03/22/2012
ww.123629	2386858	4	9.8	03/08/2012
ww.109767	2386902	5	6.7	03/20/2012
ww.115744	2386896	5	6.3	03/20/2012
ww.105732	2386897	4	6.2	03/20/2012
ww.109754	2386857	4	7.1	03/06/2012
ww.131712	2386856	4	10.5	03/15/2012
ww.103642	2386852	4	12.1	03/06/2012
ww.121627	2386921	5	7.5	06/12/2012
ww.119694	2386932	5	9.7	03/26/2012
ww.105749	2386929	5	11.6	05/17/2012
ww.117724	2386913	4	7.3	03/06/2012
ww.123646	2386917	4	4.8	03/28/2012
ww.111732	2386914	4	6.8	03/29/2012
ww.107756	2386916	4	4.1	03/29/2012
ww.119691	2386918	4	6.1	03/28/2012
ww.103683	2386926	4	5.2	04/19/2012
ww.105745	2386925	5	7.5	04/19/2012
ww.121626	2386924	4	7.6	04/19/2012
ww.115752	2386922	4	7	04/23/2012
ww.123647	2386923	4	7.1	03/28/2012
ww.121622	2386900	4	4.2	03/28/2012
ww.109768	2386901	4	3.6	03/28/2012
ww.113756	2386899	4	4.9	03/28/2012
ww.113757	2386909	4	6.2	03/29/2012
ww.129694	2386887	4	6.1	03/22/2012
ww.125718	2386907	4	4.7	04/19/2012
ww.103665	2386888	4	7	06/12/2012
ww.109765	2386873	4	9.1	03/21/2012
ww.109761	2386860	4	10.4	03/08/2012
ww.103666	2386894	4	6.7	03/20/2012
ww.129690	2386861	4	7.1	03/08/2012
ww.111725	2386895	4	5.9	03/20/2012
ww.127710	2386934	5	8.7	03/26/2012
ww.105750	2386933	5	8.1	03/26/2012
ww.125729	2386931	5	20	05/09/2012
ww.129708	2386930	5	20	05/10/2012
ww.111734	2386911	4	8	03/29/2012
ww.103680	2386915	4	6.2	03/29/2012
ww.117742	2386919	4	9	03/29/2012
ww.115749	2386912	5	11.8	04/19/2012
ww.127707	2386927	4	5	04/19/2012
ww.117731	2386862	4	8.8	03/12/2012
ww.115740	2386863	5	7.6	03/12/2012
ww.115748	2386864	4	8.5	03/12/2012
ww.109764	2386867	4	6.4	03/20/2012
ww.123634	2386866	5	6.1	03/15/2012
ww.121619	2386869	4	6.1	03/15/2012
ww.131723	2386865	4	8	03/21/2012
ww.113753	2386868	4	6.6	03/21/2012
ww.113771	2386937	4	4.8	04/19/2012
ww.131736	2386938	4	4.9	04/19/2012
ww.107749	2386870	4	6	03/15/2012
ww.109763	2386871	4	6.6	03/15/2012
ww.127698	2386876	4	9.8	03/14/2012
ww.115741	2386874	4	9.8	03/13/2012
ww.119689	2386877	4	10.2	03/14/2012
ww.119696	2386936	4	6.1	04/23/2012
ww.117743	2386919	4	9	04/19/2012
ww.113764	2386880	4	9.9	03/21/2012
ww.175864	2386935	5	6.3	04/23/2012
ww.103684	2386928	4	6.7	04/03/2012
ww.121627	2386921	5	7	04/23/2012
ww.113763	2386878	4	9.8	03/21/2012
ww.123636	2386875	4	8.3	03/14/2011
ww.115746	2386879	4	9	03/19/2012
ww.125716	2386882	4	12.7	03/13/2012
ww.109766	2386881	4	8.5	03/13/2012
ww.127700	2386920	5	11	03/26/2012
ww.117733	2386905	5	7.9	04/19/2012

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CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.117734	2986910	5	10.4	03/27/2012
ww.113769	2386890	4	4	03/27/2012
ww.125725	2386891	4	4.2	03/27/2012
ww.111733	2386892	4	8.4	04/19/2012
ww.103641	2406241	4	11	03/06/2012
ww.121614	2406242	4	10.4	03/06/2012
ww.103643	2406246	4	6.4	03/08/2012
ww.119670	2406248	4	8.3	03/08/2012
ww.109753	2406251	4	7.6	03/06/2012
ww.117743	2421462	4	9	04/19/2012
ww.103713	2406861	4	6.3	06/14/2012
ww.119693	2406866	4	5.2	06/14/2012
ww.131735	2406868	4	9.3	06/20/2012
ww.127706	2406869	4	8.4	06/13/2012
ww.131758	2406848	4	4.3	06/14/2012
ww.172264	2392884	4	7.8	09/05/2012
ww.119721	2406889	4	8	07/27/2012
ww.107781	2406883	5	6.2	07/09/2012
ww.129725	2406860	4	12.7	07/11/2012
ww.123656	2406862	4	9	05/30/2012
ww.125744	2406859	4	7.8	05/24/2012
ww.129726	2406856	4	9.7	04/30/2012
ww.127719	2406855	4	11.4	04/30/2012
ww.129731	2406854	4	10	04/30/2012
ww.123665	2406853	4	14.4	08/30/2012
ww.109788	2406858	4	8.2	06/13/2012
ww.107759	2406864	4	4.2	05/31/2012
ww.115757	2406863	4	8.2	06/04/2012
ww.115755	2406865	4	8.8	09/05/2012
ww.119692	2453448	4	9.3	07/23/2012
ww.129721	2453452	4	7	07/18/2012
ww.105763	2453480	4	7.9	08/14/2012
ww.112938	2453496	4	12	08/15/2012
ww.123657	2453460	4	11.7	08/29/2012
ww.117760	2453459	4	7.4	08/17/2012
ww.105761	2453455	4	8.3	07/27/2012
ww.115770	2453456	4	9.5	07/27/2012
ww.129723	2453457	4	5.8	07/10/2012
ww.117759	2453458	4	3.6	07/10/2012
ww.127725	2453471	4	15.3	08/14/2012
ww.109791	2453472	4	8.5	07/12/2012
ww.129729	2453479	4	10.2	07/10/2012
ww.103710	2453453	4	7.3	07/23/2012
ww.131750	2453461	4	9.8	08/29/2012
ww.103687	2453449	4	10.1	08/15/2012
ww.115756	2453450	4	10.2	08/15/2012
ww.115778	2406880	4	7.6	05/31/2012
ww.125751	2406878	4	10.7	05/31/2012
ww.113792	2406876	4	7.3	06/04/2012
ww.111755	2406882	4	9.4	05/24/2012
ww.105770	2406877	4	9.7	05/30/2012
ww.121652	2406881	4	8.2	05/31/2012
ww.125750	2453489	4	7.2	07/23/2012
ww.113788	2453468	4	9	07/12/2012
ww.107777	2453467	4	10.3	07/17/2012
ww.109776	2406870	4	10.4	06/13/2012
ww.107769	2453463	4	9.2	09/05/2012
ww.105771	2453490	4	7.4	07/19/2012
ww.103733	2453493	4	8.3	07/19/2012
ww.109797	2453487	4	9.7	07/25/2012
ww.117772	2453488	4	11.4	08/31/2012
ww.111751	2453469	4	10.5	07/12/2012
ww.123667	2453464	4	9.7	07/16/2012
ww.111758	2453495	4	8.8	07/19/2012
ww.119718	2476461	4	8.2	08/28/2012
ww.103734	2453492	4	10.9	07/17/2012
ww.105774	2453491	4	10.6	07/17/2012
ww.131761	2456852	4	16.2	08/29/2012
ww.115774	2406875	4	8.8	04/24/2012
ww.103727	2406874	4	7.4	04/24/2012
ww.103730	2453486	4	9	07/24/2012
ww.107779	2453485	4	9.8	07/24/2012
ww.131766	2453484	4	9.4	07/27/2012
ww.111753	2453473	4	8	07/25/2012
ww.109793	2453470	4	8.8	07/24/2012
ww.131764	2453475	4	3.6	07/16/2012
ww.129736	2453483	4	5.6	07/16/2012
ww.117765	2453454	4	8.5	07/10/2012
ww.107774	2453477	4	6	07/11/2012
ww.103716	2406849	4	10.2	06/26/2012
ww.125748	2406851	4	6.6	07/02/2012
ww.131759	2406850	4	10.6	07/02/2012
ww.127717	2406847	4	6.7	06/13/2012
ww.103706	2406846	4	5.4	07/09/2012
ww.113777	2406845	4	8.8	07/05/2012
ww.115768	2406844	4	6.7	07/05/2012
ww.125742	2406840	4	8.2	07/05/2012
ww.131748	2406841	4	7.9	06/28/2012
ww.103707	2406838	4	9.9	06/28/2012

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CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.131747	2406839	4	10.2	06/28/2012
ww.111744	2406843	4	6.5	07/03/2012
ww.109784	2406842	4	8.1	07/03/2012
ww.109789	2453478	4	10.6	07/11/2012
ww.109787	2453481	4	5.8	07/11/2012
ww.107768	2453451	4	8.9	07/18/2012
ww.131756	2453482	4	8.6	07/18/2012
ww.129735	2453474	4	4.5	08/28/2012
ww.127727	2406873	4	8	09/05/2012
ww.131765	2406872	4	8	09/05/2012
ww.115755	2406865	4	8.8	09/05/2012
ww.105769	2477251	4	9.9	09/14/2012
ww.109794	2477240	4	6.9	09/13/2012
ww.121646	2477234	4	8.8	09/14/2012
ww.113785	2477231	4	8.1	09/13/2012
ww.103720	2477228	5	9.5	09/13/2012
ww.117767	2477227	5	9.8	09/14/2012
ww.117771	2477244	4	6.8	09/11/2012
ww.127726	2477241	4	7.7	09/11/2012
ww.105767	2477256	4	8.1	10/08/2012
ww.113789	2477249	4	7.6	10/11/2012
ww.182347	2477257	4	9.9	10/11/2012
ww.103718	2477223	4	6.8	09/13/2012
ww.119713	2477239	4	4.6	10/15/2012
ww.117769	2477232	4	10.1	10/08/2012
ww.109798	2477261	4	10.3	09/11/2012
ww.103725	2477255	4	7.3	10/09/2012
ww.107778	2477258	4	7.3	10/11/2012
ww.103724	2477250	4	15.6	09/14/2012
ww.113786	2477236	4	13	10/11/2012
ww.109790	2477220	4	6.6	10/15/2012
ww.111788	2479504	4	11.4	09/07/2012
ww.131795	2479505	4	10.9	09/07/2012
ww.125790	2479506	4	6.2	09/14/2012
ww.107813	2479507	4	5	09/14/2012
ww.127765	2479508	4	7.4	09/18/2012
ww.111791	2479509	4	9.4	09/18/2012
ww.115807	2479510	4	9.3	09/18/2012
ww.103799	2479511	4	9.9	09/05/2012
ww.113820	2479512	4	8.5	09/06/2012
ww.129766	2479513	4	11.6	09/28/2012
ww.107816	2479514	4	10.9	09/26/2012
ww.103801	2479515	4	8.1	09/26/2012
ww.103800	2479516	4	9.5	09/06/2012
ww.113823	2479517	4	8.9	09/20/2012
ww.111793	2479518	4	8.2	09/26/2012
ww.127768	2479519	4	8.8	09/19/2012
ww.121689	2479520	4	9.3	09/20/2012
ww.103802	2479521	4	7.4	09/20/2012
ww.115811	2479524	4	7.2	09/20/2012
ww.131801	2479525	5	10.4	10/05/2012
ww.127770	2479526	4	7.5	09/27/2012
ww.123328	2479527	4	7.4	09/27/2012
ww.125371	2479528	4	6.9	09/28/2012
ww.168682	2479529	4	8.2	09/19/2012
ww.113824	2479530	4	4.8	09/19/2012
ww.107814	2479531	4	5.2	09/07/2012
ww.127769	2479533	4	6.3	10/01/2012
ww.103797	2479535	4	8.6	09/06/2012
ww.131794	2479536	4	8.9	09/19/2012
ww.111787	2479537	4	6	09/18/2012
ww.103795	2479538	4	5.8	09/14/2012
ww.113819	2479539	4	6.8	09/18/2012
ww.119756	2479540	4	9.7	09/07/2012
ww.121691	2479541	4	7.3	09/26/2012
ww.123791	2479542	4	7.9	09/20/2012
ww.113825	2479543	4	6.8	09/20/2012
ww.134804	2479545	4	9.2	09/27/2012
ww.109454	2479546	4	4.9	09/25/2012
ww.102988	2479548	4	4.9	09/25/2012
ww.111393	2479549	4	5.3	09/25/2012
ww.107416	2479550	4	6	09/25/2012
ww.119757	2479551	4	8.4	09/06/2012
ww.111399	2479552	5	18.9	10/04/2012
ww.103499	2432413	4	14	07/31/2012
ww.168623	2432414	5	11.4	07/23/2012
ww.195116	2432415	6	16.2	08/02/2012
ww.127599	2432416	5	22	08/01/2012
ww.103437	2432417	5	22	07/31/2012
ww.169300	2432418	5	16.3	07/30/2012
ww.103432	2432420	5	14.3	07/30/2012
ww.109670	2432421	6	13.8	07/27/2012
ww.131482	2432423	6	13.6	05/29/2012
ww.117513	2432424	6	13	05/30/2012
ww.131494	2432426	6	17	05/31/2012
ww.119452	2432429	6	13	05/30/2012
ww.123421	2432430	6	13	06/27/2012
ww.113558	2432431	6	15	06/15/2012
ww.123558	2432432	6	15	06/05/2012

2012 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.123557	2432433	5	13	06/12/2012
ww.131648	2432434	5	16.3	06/13/2012
ww.107672	2432435	5	15.2	06/11/2012
ww.113690	2432436	5	10.6	05/31/2012
ww.107639	2432438	5	12.6	07/27/2012
ww.105620	2432439	6	10	06/27/2012
ww.103427	2432440	4	7.5	06/27/2012
ww.123531	2432441	4	11	06/22/2012
ww.119582	2432443	5	12.7	06/22/2012
ww.111613	2432444	5	13	07/24/2012
ww.189992	2432445	6	11	08/06/2012
ww.186566	2432446	5	15.7	07/24/2012
ww.131613	2432447	6	14.7	07/25/2012
ww.131596	2432448	6	13.6	07/25/2012
ww.131595	2432449	6	8.6	07/25/2012
ww.109635	2432450	5	13.2	07/11/2012
ww.129577	2432451	5	12.5	07/11/2012
ww.119552	2432452	4	13.3	07/11/2012
ww.113651	2432454	4	14.2	07/11/2012
ww.113628	2432455	4	15.1	07/11/2012
ww.103347	2432456	5	15.6	07/10/2012
ww.113624	2432457	4	15	08/07/2012
ww.131561	2432458	4	13.5	08/07/2012
ww.117624	2432459	6	13.6	06/22/2012
ww.103319	2432461	5	17.9	07/12/2012
ww.111565	2432462	5	13.4	07/12/2012
ww.113588	2432463	5	26	07/23/2012
ww.123455	2432464	6	16	07/20/2012
ww.107550	2432465	5	15.2	07/16/2012
ww.117546	2432466	5	13.9	07/18/2012
ww.123457	2432468	5	16.5	07/16/2012
ww.117542	2432469	5	13.8	07/17/2012
ww.120606	2432470	6	13.4	08/07/2012
ww.108663	2432471	6	16	08/02/2012
ww.124548	2432472	4	12	08/06/2012
ww.124550	2432473	5	11	08/03/2012
ww.124549	2432474	5	9.7	08/03/2012
ww.112721	2432475	5	14.3	08/30/2012
ww.127507	2432476	5	18.3	08/30/2012
ww.117543	2432477	5	9.1	08/29/2012
ww.101331	2467695	5	21	08/09/2012
ww.101428	2467701	5	16.2	08/09/2012
ww.104591	2467707	6	16	08/08/2012
ww.116596	2467710	6	20.3	08/08/2012
ww.101318	2467711	5	21	08/23/2012
ww.116544	2467712	5	16.1	08/17/2012
ww.108558	2467713	5	17.1	08/17/2012
ww.110556	2467717	5	15.1	08/14/2012
ww.120467	2467720	5	20	08/23/2012
ww.126502	2467723	4	16	08/11/2012
ww.114595	2467724	5	19.5	08/11/2012
ww.114597	2467725	4	5.1	10/03/2012
ww.118523	2467727	5	22	08/10/2012
ww.104545	2467731	5	21	08/10/2012
ww.112572	2467735	5	21	08/10/2012
ww.101090	2467736	5	18.9	08/28/2012
ww.101109	2467742	5	13.3	08/24/2012
ww.106414	2467743	5	12.5	08/24/2012
ww.173826	2467744	5	19.3	08/27/2012
ww.122363	2467745	4	9.4	08/28/2012
ww.173828	2467746	5	14.1	08/27/2012
ww.186185	2467747	6	9.3	09/10/2012
ww.114715	2467748	5	15.1	09/20/2012
ww.191110	2467749	5	14.1	08/29/2012
ww.191154	2467750	4	16	09/10/2012
Total				425