

Southern Delivery System Permit Compliance Annual Report Calendar Year 2011

Prepared for:

Bureau of Reclamation

**Colorado Department of Public Health and
Environment**

Colorado Division of Wildlife

El Paso County

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

Pueblo County

Submitted by:

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

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Acronyms and Abbreviations

1041 Permit	Pueblo County 1041 Permit No. 2008-002
BMPs	Best Management Practices
CDOW	Colorado Division of 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
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
 - Planning Commission Resolution U-09-003, March 2, 2010, Southern Delivery System Finished Water Pipelines
 - 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
 - Planning Commission Resolution U-09-007, March 16, 2010, Southern Delivery System Exchange Flow System
- 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 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 Project's progress made in implementing the 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 Project has met a number of key milestones during this reporting period associated with the preparation for, and commencement of construction on SDS. Related activities included multiagency collaboration and coordination designed to meet project objectives, including full permit compliance. Colorado Springs Utilities has prepared the following documents per the commitments described in the ROD and other programmatic permits and agreements:

- Environmental Commitments Plan,
- Geomorphic Mitigation Plan,
- Integrated Adaptive Management Plan (IAMP),
- Monitoring Plan,
- Socioeconomic Construction Management Plan, and
- Cultural Resources Programmatic Agreement and Treatment Plan.

On March 15, 2011, Colorado Springs Utilities submitted the Geomorphic Mitigation Plan and the Socioeconomic Construction Management Plan to Reclamation for review and approval. Reclamation approved these plans on April 26, 2011. On March 18, 2011, Colorado Springs Utilities submitted the Environmental Commitments Plan, Monitoring Plan, and the Integrated Adaptive Management Plan to Reclamation for review and acceptance.

Contract documents for use of excess capacity, conveyance and operation of the North Outlet Works between the SDS Participants and Reclamation were signed by Reclamation on May 4, 2011. SDS Construction activities began at the Pueblo Reservoir Dam on May 9, 2011. During the reporting period, construction activities also began on the S2, S3, S4B/N1A, N1B, FW1B pipeline work packages. Pre-construction activities began on S1 pipeline work package. The FW1A pipeline was completed.

Plans for the jurisdictional wetland mitigation were completed in April, 2011, and the wetlands were constructed in September, 2011.

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
 - Planning Commission Resolution U-09-003, March 2, 2010, Southern Delivery System Finished Water Pipelines
 - 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
 - Planning Commission Resolution U-09-007, March 16, 2010, Southern Delivery System Exchange Flow System
- 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

The 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: Larry Patterson, Director of Utilities
116 S. Main St.
Fountain, CO 80817
Phone: (719) 322-2076; Fax: (719) 391-0463
E-mail: lpatterson@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 United States Army Corps of Engineers (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 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. The Colorado Division of Wildlife (CDOW) also reviewed SDS, and an SDS Fish and Wildlife Mitigation Plan (FWMP) was prepared collaboratively with CDOW 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 Understanding implementing the FWMP was executed with the CDOW 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 Location Approval and Site Development Plan processes, and
- Review 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 - Implementation Progress Matrix.

The 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 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 to prepare for and begin the construction of SDS. Some of the key activities during this reporting period include the following:

Programmatic

Plans

Colorado Springs Utilities prepared and submitted the following documents per the commitments described in the ROD and other programmatic permits and agreements:

- Environmental Commitments Plan
- Geomorphic Mitigation Plan
- Integrated Adaptive Management Plan (IAMP)
- Monitoring Plan
- Socioeconomic Construction Management Plan

On March 15, 2011, Colorado Springs Utilities submitted the Geomorphic Mitigation Plan and the Socioeconomic Construction Management Plan to Reclamation for review and approval. Reclamation approved these plans on April 26. On March 18, 2011, Colorado Springs Utilities submitted the Environmental Commitments Plan, Monitoring Plan, and the Integrated Adaptive Management Plan to Reclamation for review.

Contracts

Various contract documents for use of excess capacity, conveyance and operation of the North Outlet Works between the SDS Participants and the United States Department of Interior, Bureau of Reclamation (Reclamation) were signed by Reclamation on May 4, 2011.

Jurisdictional Wetlands Mitigation

Design for the jurisdictional wetlands mitigation, required to offset the permanent impact of 0.23 acres of jurisdictional wetlands by SDS, was completed in April 2011. Construction of the jurisdictional wetlands mitigation project was completed in September 2011. 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 began at the Pueblo Reservoir Dam on May 9, 2011. Activities at Pueblo Dam have included installation of best management practices (BMPs), construction of a coffer dam, dewatering of the river channel within the coffer dam, placement of concrete for valve house foundation, concrete demolition within river outlet works tunnel,

installation of cog rail track for pipe installation, and installation of pipe within river outlet works tunnel. The location of PDC1A is shown on Figure 1.

S1 Pipeline

The S1 Pipeline design was completed in July 2011. 30-day notices were provided to area residents with construction anticipated to begin in January 2012. The location of the S1 Pipeline is shown on Figure 1.

S2 Pipeline

The S2 Pipeline design was completed in April 2011. Construction activities in the S2 work package include 30-day and 7-day notices provided to area residents, demolition of 5 structures along the alignment, 16 valve cut-ins on Pueblo West Metropolitan District water pipelines and associated asbestos pipe removal, installation of BMPs, rock trenching, dewatering activities, and delivery of pipe segments. The location of the S2 Pipeline is shown on Figure 1.

S3 Pipeline

The S3 Pipeline design was completed in October 2011. Construction activities in the S3 work package include 30-day and 7-day notices provided to area residents, installation of BMPs, and delivery of pipe segments. The location of the S3 Pipeline is shown on Figure 1.

S4B/N1A

The S4B/N1A Pipeline design was completed in November 2010. Construction activities in the S4B/N1A work package include notification to area residents and easement holders of upcoming construction, installation of BMPs, delivery of pipe segments, trenching, dewatering activities, and installation of pipe. The location of the S4B/N1A Pipeline is shown on Figure 1.

N1B

The N1B Pipeline design was completed in January 2011. Construction activities in the N1B work package include notification to area residents and easement holders of upcoming construction, installation of BMPs, delivery of pipe segments, trenching, dewatering activities, and installation of pipe. The location of the N1B Pipeline is shown on Figure 1.

FW1A

Construction of the FW1A, a portion of the finished water pipeline, began in September 2010. Construction of FW1A was completed in February 2011. The location of the FW1A Pipeline is shown on Figure 1.

FW1B

The FW1B Pipeline design was completed in March 2011. Construction activities in the FW1B work package include notification to area residents of upcoming construction, installation of BMPs, delivery of pipe segments, trenching, and installation of pipe. The location of the FW1B Pipeline is shown on Figure 1.

In addition to the milestones listed above, Colorado Springs Utilities made the following progress on several commitments 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.
- Began transition of Phase I EMS to Phase II EMS, continuing to track compliance with programmatic permit/approval commitments and construction permit requirements.
- Included 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.

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
Implementation Progress Matrix

Reporting Requirements		CY2011 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
Implementation Progress Matrix

Reporting Requirements		CY2011 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 100.8 cubic feet per second (cfs). Table 33 of the FEIS reported the existing condition average annual simulated streamflow at this location as 188 cfs. As construction of the Southern Delivery System project started 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

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 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.	Colorado Springs Utilities has been coordinating with the U.S. Geologic 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.	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

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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. SDS Participants are working cooperatively with those who hold senior water right decrees to ensure that any potential adverse impacts to their diversion structures are appropriately mitigated.	No
Participants' Commitments: Geomorphology			
p. 14, Bullet 1	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: <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) 	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.	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

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p. 14, Bullet 3	Design and construct an energy dissipation structure that will protect against erosion at the outlet of the pipeline from Williams Creek Reservoir to Fountain Creek.	The design of the Williams Creek Reservoir is anticipated to begin during the period from 2020 to 2025. An energy dissipation structure at the pipe outlet will be incorporated into the design.	No
p. 14, Bullet 4	Evaluate and implement appropriate future geomorphic stabilization projects, if such future projects are determined to be necessary after the project is operational.	This requirement is not applicable yet as SDS is under construction and not operational at this time. It is yet to be determined if project operations will necessitate such projects.	No
p. 14, ¶1	When implemented, these recommendations will mitigate potential adverse effects on geomorphology by avoiding or minimizing effects of return flow discharges through an energy dissipation structure, compensating for anticipated effects, and responding to effects identified after project operations begin.	This requirement is a summary statement of the specific water quality commitments described in the five bullets listed above. A Geomorphic Mitigation Plan has been completed and will be implemented during the construction and operation of SDS in accordance with this commitment.	No
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		CY2011 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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Reporting Requirements		CY2011 Annual Report Information	
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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, includes 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.	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.	No
p. 16, Bullet 7	Evaluate and consider the construction and maintenance of new areas of wetlands along Fountain Creek in order to participate in wetlands banking programs. Evaluate and consider cooperation with Colorado agencies to expand such a wetlands creation process.	The USACE verbally denied Colorado Springs Utilities the opportunity of a wetland banking partnership with Colorado agencies, stating that Colorado Springs Utilities cannot share the umbrella of a wetland banking tool. Therefore, there is no incentive for Colorado Springs Utilities and another agency to work together under the intent of this condition.	No
p. 16, ¶1	Mitigation plans for jurisdictional and non-jurisdictional wetlands will be submitted for approval by the Corps of Engineers and Reclamation, respectively. All design and planning measures for wetlands, waters, and riparian vegetation will be completed before any contracts for the SDS Project.	Colorado Springs Utilities procured engineering design services for the compensatory wetland mitigation project at the Clear Spring Ranch site. The SDS Participants presented the final design for Reclamation and USACE review and approval in April 2011. The jurisdictional wetlands mitigation project was constructed in September 2011.	No

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p. 16, ¶2	By reviewing the location of wetlands during final design, effects on wetlands can be avoided and minimized. Specifically, the pipeline construction corridors through wetlands will be reduced to the minimum width practicable. Similarly, construction methods that do not involve trenching through a wetland will avoid impacts. Wetlands mitigated in place and off-site will replace affected wetlands on a 1:1 ratio and will provide similar functions and values. The 404 permitting process is ongoing and the final off-site mitigation ration for jurisdictional wetlands for the 404 permit has not yet been determined.	This requirement is a summary statement of the specific wetlands, waters and riparian vegetation commitments described in the seven bullets listed above. The pipeline alignments and facilities 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.	The FW1A pipeline has been reseeded and is 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
p. 17, Bullet 7	Reseed construction areas with comparable native vegetation as soon as practicable after disturbance, using seed that does not contain any noxious weed seed.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

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Reporting Requirements		CY2011 Annual Report Information	
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p. 17, Bullet 8	Monitor construction areas for 3 years after construction to assess if noxious weeds have invaded the site. If noxious weeds are present, weed control plans will be formulated and completed.	As part of the pre-construction vegetation surveys that are completed for each work package, a noxious weed survey is conducted. The noxious weed survey includes recommended weed control methods. This information is being incorporated into the contract documents. Monitoring of construction areas will continue for three years after construction to ensure that any necessary weed control is performed.	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.	No
Participants' Commitments: Wildlife			
p. 17, Bullet 1	Submit a proposed wildlife mitigation plan to Colorado Wildlife Commission pursuant to C.R.S. 37-60-1212.2 as described above.	A Wildlife Mitigation Plan was developed in cooperation with the Colorado Division of Wildlife, which was then submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. The Colorado Wildlife Commission approved the Wildlife Mitigation Plan and the Colorado Water Conservation Board adopted it. A Memorandum of Agreement between the SDS Participants and the Colorado Department of Natural Resources, on behalf of the Colorado Division of Wildlife was executed May 18, 2010.	No
p. 17, Bullet 2	Promptly revegetate all disturbed areas with native species that provide species diversity and food and cover for large game and wildlife habitat.	This commitment is being incorporated into the revegetation contract documents for each of the work packages, as applicable.	No
p. 17, Bullet 3	Conduct clearance surveys in suitable habitat for state-listed species following standard protocols, as available, prior to construction (e.g., CDOW undated).	The SDS Participants are completing pre-construction wildlife and vegetation surveys as part of the final design for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No

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Reporting Requirements		CY2011 Annual Report Information	
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p. 17, Bullet 4	Conduct raptor nest surveys prior to construction and impose seasonal restrictions to surface activity within recommended buffers (generally 1/4 to 1/2 mile) around active raptor nest sites and heron rookeries during construction.	Pre-construction raptor nest and heron rookery surveys are being completed for each of the work packages. The results of these surveys are being incorporated into the construction contract documents as necessary.	No
p. 17, Bullet 5	Consult with CDOW and U.S. Fish and Wildlife Services' Migratory Permit Bird Office to develop mitigation for unavoidable loss of raptor nests. Options may include constructing artificial nests in suitable habitat or enhancing prey habitat.	The following protocol identified in the Fish and Wildlife Plan will be used during construction of SDS: If a nest is detected during the pre-construction raptor nest survey, Colorado Springs Utilities will coordinate with Colorado Division of Wildlife and USFWS to develop mitigation for unavoidable raptor nest loss. A nest has been identified in one of the pipeline alignments and CDOW was consulted as a lead agency. A raptor nest mitigation plan was submitted and approved and Colorado Springs Utilities is in the process of mitigating the nest.	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.	No

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

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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.	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

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p. 20, Bullet 4	Enclose pump stations and well equipment in structures matching the architectural characteristics of the surrounding structures.	Colorado Springs Utilities began initial coordination with the Bureau of Reclamation and Pueblo County representatives regarding the proposed architecture for the Juniper Pump Station located at Pueblo Reservoir. Colorado Springs Utilities, on behalf of the SDS Participants, attended a Pueblo County Board of County Commissioners work session regarding the proposed architecture for the Juniper Pump Station on November 10, 2010. On November 16, 2010, the Pueblo County Board of County Commissioners passed and adopted Pueblo County Resolution No. 10-299 appointing Pueblo County's Planning Director, Kim Headley, to be Pueblo County's representative to participate in the final selection of architecture and landscaping for the Juniper Pump Station and approving the initial stage design presented consisting principally of the exterior treatments and architecture of the proposed pump station, including the colors and building materials. There was no further action taken in 2011. Pump design will continue in 2012 and coordination with Bureau of Reclamation and Pueblo County will continue.	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.	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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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.	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.	No
Participants' Commitments: Air Quality			
p. 21, Bullet 1	Develop and implement standard control practices, such as watering, to minimize particulate and dust emissions from construction work sites as specified in the fugitive dust control plan.	This commitment is being incorporated into the construction contract documents for each of the work packages, as applicable.	No

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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.	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 two responses, these commitments are being incorporated into the construction contract documents for each work package to minimize potential air quality impacts during construction.	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.	No
El Paso County - Location Approvals			
Final Resolution, Annual Report Requirement	This approval of location shall be subject to annual reporting by the applicant on January 31 annually and review by Development Services Department to determine compliance with all applicable requirements and standards of the El Paso County regulations and the conditions and safeguards imposed upon the approval of location by the Planning Commission. Upon completion of each periodic review, the Development Services Department shall forward its report and any recommendations to the Planning Commission, Board of County Commissioners and the holder of the approval of location. The annual report shall include:	This Permit Compliance Annual Report is being prepared to demonstrate the progress successfully implementing the commitments as prescribed in the ROD and the annual reporting requirements found in the other programmatic permits and approvals including: the Pueblo County 1041 Permit, the El Paso County Approval of Locations, the CDPHE 401 Water Quality Certification and the Fountain Creek Watershed, Flood Control and Greenway District approval.	No

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 7/18/11, and the FW1B pipeline on August 17, 2011.	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
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

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
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 will begin 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)	FW1A has been revegetated per El Paso County and CDPHE standards. The FW1A bond No. 58677790 was released by the El Paso County Board of County Commissioners on October 27, 2011.	No
Annual Report Requirement, Sub-Bullet i	Complaint log and how the issues were resolved	Colorado Springs Utilities is tracking complaints received through a complaints log which includes a description of the follow-up activities that occurred to address or resolve the complaint. See Attachment 4 for the Complaint Log.	Attachment 4 - Complaint Log
Annual Report Requirement, Sub-Bullet j	Emergency response log and how the issues were resolved	Colorado Springs Utilities is tracking emergency response actions through an emergency response log which includes a description of the actions taken to resolve the issue. See Attachment 5 for the Emergency Response Log.	Attachment 5 - Emergency Response Log
Annual Report Requirement, Sub-Bullet k	Log of when work occurred during non-typical work hours (work outside the hours of 7:00 am and 6:00 pm) and rationale by which the work was deemed necessary	The typical work hours are being incorporated into the construction contract documents for each of the work packages, as applicable. The contractor receives approval to work during non-typical work hours from the El Paso County Department of Transportation prior to the activity. Colorado Springs Utilities is tracking work which occurs during non-typical work hours through a log which includes a rationale by which the work was deemed necessary. See Attachment 6 for the Log of Work Occurring During Non-Typical Work Hours.	Attachment 6 - Log of Work Occurring During Non-Typical Work Hours

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Pueblo County - 1041 permit			
7. Expenditures for Wastewater System Improvements, p. 12	In order to continue its efforts to protect against future spills to Fountain Creek, to increase its opportunities for reuse, and to mitigate possible water quality impacts by the SDS Project to Fountain Creek, Colorado Springs Utilities shall commit to invest an additional \$75,000,000 in its wastewater system. Expenditures will be made as part of the wastewater collection system rehabilitation programs or wastewater reuse systems between January 1, 2009 and December 31, 2024 as required. These expenditures shall be for projects not currently required by other regulatory permits, agency enforcement or court orders, consent agreements, or governmental regulations existing as of January 30, 2009. These expenditures will include the Local Collector Evaluation and Rehabilitation Program (LCERP) for the improvement and fortification of wastewater lines which could adversely affect Fountain Creek or its tributaries. These expenditures are subject to annual appropriation by the Colorado Springs City Council. Beginning in 2010, by January 31 of each year, Colorado Springs Utilities shall provide an annual report to Pueblo County describing such expenditures for the prior year.	Colorado Springs Utilities submitted a wastewater expenditures report documenting 2009 expenditures to Pueblo County on January 29, 2010. Colorado Springs Utilities prepared a report documenting 2010 expenditures which was submitted to Pueblo County on January 31, 2011. The report for 2011 is being prepared and will be submitted to Pueblo County on or about January 31, 2012.	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 2010, 1st Quarter 2011, 2nd Quarter 2011, and 3rd Quarter 2011 during this reporting period. The report for 4th Quarter 2011 is being prepared and will be submitted to Pueblo County by January 31, 2012.	No

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 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 2010, 1st Quarter 2011, 2nd Quarter 2011, and 3rd Quarter 2011 during this reporting period. The report for 4th Quarter 2011 is being prepared and will be submitted to Pueblo County by January 31, 2012.	No

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 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

ATTACHMENT 1
Implementation Progress Matrix

Reporting Requirements		CY2011 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

ATTACHMENT 2

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

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 926 square miles

Gage datum 4,705 feet above sea level NGVD29

00060, Discharge, cubic feet per second,													Annual Average Flow
YEAR	Monthly mean in cfs (Calculation Period: 2010-01-01 -> 2010-09-30)												
	Period-of-record for statistical calculation restricted by user												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2011 Mean of Monthly Discharge	86.9	123.3	110.8	79.2	54.7	25.0	53.7	65.6	308.0	Not available as of January 18, 2012			100.8

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.

Water Quality Monitoring Data

A Joint Funding Agreement was executed with the U.S. Geological Survey to begin the water quality monitoring program in January, 2011.

Location	Date	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
Arkansas at Moffat Street	20110125	65	649	10.7	8.1	632	3.6	11	4	100	<0.02	21.1	417
Arkansas at Moffat Street	20110223	29	643	10.4	8.4	663	8.8	1.7	5	210	<0.02	21.3	482
Arkansas at Moffat Street	20110331	141	639	10.9	8.5	522	8.5	2.8	2	140	<0.02	12.1	333
Arkansas at Moffat Street	20110428	371	645	11.9	8.5	464	9.9	0.8	8	370	<0.02	7.4	301
Arkansas at Moffat Street	20110519	729	634	9.9	8.3	453	12.4	3.9	2	410	0.02	6.6	281
Arkansas at Moffat Street	20110610	3010	641	8.4	8.2	435	15.6	2.1				5.0	281
Arkansas at Moffat Street	20110721	2000	643	8.6	8.3	221	19.8	2.0	120	590	0.02	1.9	130
Arkansas at Moffat Street	20110829	957	643	7.9	8.4	258	22.4	9.0	250	>2400	<0.02	2.3	151
Arkansas at Moffat Street	20110928	102	646	11.1	8.5	444	19.2	2.0	28	>2400	<0.02	9.9	281
Arkansas at Moffat Street	20111026	135	647	11.0	8.1	468	11.7	12	>2400	>2400	0.08	10.7	290
Arkansas at Moffat Street	20111122	54	647	10.7	8.5	587	6.4	3.0	12	340	<0.02	22.3	409
Arkansas River at Avondale	20110125	272	653	11.2	8.1	988	1.3	41	8	290	0.92	14.2	690
Arkansas River at Avondale	20110224	299	650	10.0	8.0	946	9.3	44	21	200	0.28	15.1	656
Arkansas River at Avondale	20110331	376	643	9.0	8.2	880	9.2	30	50	820	0.16	12.8	598
Arkansas River at Avondale	20110428	585	649	9.1	8.1	672	10.3	29	22	1400	0.11	9.6	442
Arkansas River at Avondale	20110519	938	637	8.8	8.1	593	12.7	25	36	650	0.03	8.6	388
Arkansas River at Avondale	20110609	3390	640	8.4	8.3	475	16.9	19				5.1	314
Arkansas River at Avondale	20110721	1940	647	7.8	7.9	292	20.4	18	130	830	0.03	2.8	167
Arkansas River at Avondale	20110819	1120	646	7.3	8.1	396	22.2	28	32	>2400	0.03	4.8	246
Arkansas River at Avondale	20110928	284	650	8.7	8.3	866	21.5	20	34	>2400	<0.02	11.6	593
Arkansas River at Avondale	20111026	351	651	10.8	8.2	864	10.2	26	140	2400	0.03	11.6	586
Arkansas River at Avondale	20111121	291	648	10.4	8.0	1000	4.6	24	16	630	0.37	13.8	700
Fountain Creek Near Colorado Springs	20110119	9.9	606	10.6	8.1	332	2.6	3.3	31	690	<0.02	0.12	189
Fountain Creek Near Colorado Springs	20110216	9.4	601	10.5	8.2	376	2.9	4.6	110	200	0.03	0.18	219
Fountain Creek Near Colorado Springs	20110328	8.5	601	10.5	8.4	389	4.4	0.6	19	170	<0.02	0.19	238
Fountain Creek Near Colorado Springs	20110425	9.9	602	9.9	8.2	387	8.8	30	47	770	<0.02	0.16	222
Fountain Creek Near Colorado Springs	20110523	10	606	8.9	8.3	353	10.1	6.0	980	>2400	0.02	0.14	199
Fountain Creek Near Colorado Springs	20110622	4.6	612	7.7	8.2	498	15.1	1.2	160	>2400	<0.02	0.15	393
Fountain Creek Near Colorado Springs	20110727	5.1	610	7.5	8.1	448	18.2	7.4	610	>2400	<0.02	0.13	260
Fountain Creek Near Colorado Springs	20110830	5.1	611	9.0	8.4	475	16.6	2.3	980	>2400	<0.02	0.15	269
Fountain Creek Near Colorado Springs	20110929	6.5	618	8.5	8.3	404	11.7	2.4	390	2400	<0.02	0.13	230
Fountain Creek Near Colorado Springs	20111027	11	611	11.1	8.1	287	1.5	6.0	99	770	<0.02	0.08	176
Fountain Creek Near Colorado Springs	20111129	10	614	11.1	7.8	293	3.1	1.9	34	310	<0.02	0.09	175
Monument Creek at Bijou Street	20110119	26	606	10.5	8.2	759	3.4	3.6	61	610	0.05	4.7	456
Monument Creek at Bijou Street	20110215	34	614	9.8	8.2	712	11.3	29	25	630	0.14	3.6	435
Monument Creek at Bijou Street	20110328	33	606	9.4	8.6	655	7.4	39	E30	E1400	0.06	4.0	393

Location	Date	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
Monument Creek at Bijou Street	20110425	48	607	8.5	8.3	486	10.5	55	38	730	0.41	2.3	298
Monument Creek at Bijou Street	20110526	44	612	8.8	8.3	610	12.5	95	520	>2400	0.08	2.9	371
Monument Creek at Bijou Street	20110622	31	617	7.2	8.3	629	21.0	55	1200	>2400	0.02	3.3	403
Monument Creek at Bijou Street	20110725	37	617	6.6	8.2	559	27.9	23	680	24000	0.28	2.4	326
Monument Creek at Bijou Street	20110830	36	614	7.0	8.3	609	21.2	16	550	>2400	0.06	3.1	387
Monument Creek at Bijou Street	20110929	43	623	8.6	8.6	689	15.3	20	520	>2400	0.04	3.8	445
Monument Creek at Bijou Street	20111024	37	615	7.6	8.3	729	10.9	11	E170	E1400	0.15	4.3	451
Monument Creek at Bijou Street	20111129	31	619	10.5	8.5	705	5.3	14	78	1400	0.03	4.1	475
Fountain Creek at Colorado Springs	20110119	40	613	9.9	8.1	669	4.9	2.8	13	380	0.03	3.6	409
Fountain Creek at Colorado Springs	20110216	46	611	9.4	8.3	679	9.8	20	22	490	0.09	3.3	434
Fountain Creek at Colorado Springs	20110328	39	607	10.0	8.7	630	12.1	16	19	500	0.02	3.6	390
Fountain Creek at Colorado Springs	20110426	51	603	8.4	8.2	608	11.4	21	96	2400	0.16	3.0	361
Fountain Creek at Colorado Springs	20110526	53	612	8.3	8.3	651	13.5	67	330	>2400	0.04	3.6	410
Fountain Creek at Colorado Springs	20110622	36	617	7.1	8.3	669	25.6	19	920	2400	<0.02	2.9	439
Fountain Creek at Colorado Springs	20110728	44	617	6.5	8.1	576	26.0	16	380	24000	<0.02	2.2	348
Fountain Creek at Colorado Springs	20110830	38	616	8.2	8.3	667	24.5	18	460	>2400	0.02	3.2	412
Fountain Creek at Colorado Springs	20110929	47	623	8.0	8.7	710	18.4	6.5	340	>2400	<0.02	3.3	426
Fountain Creek at Colorado Springs	20111027	58	617	10.5	8.0	620	4.9	20	690	2400	0.02	2.4	381
Fountain Creek at Colorado Springs	20111129	56	620	10.4	8.4	644	6.8	25	32	980	0.04	3.2	412
Fountain Creek below Janitell Road	20110119	59	614	8.6	7.9	747	9.8	2.7	44	650	0.06	3.4	441
Fountain Creek below Janitell Road	20110216	116	613	9.5	8.2	701	12.2	14	28	630	0.19	2.9	420
Fountain Creek below Janitell Road	20110329	97	615	9.8	8.2	742	12.0	14	E330	1600	0.04	3.9	444
Fountain Creek below Janitell Road	20110426	70	605	8.5	8.1	633	15.1	11	73	2000	0.06	2.8	399
Fountain Creek below Janitell Road	20110526	93	612	7.6	8.2	667	17.3	24	130	>2400	0.05	2.9	427
Fountain Creek below Janitell Road	20110620	239	612	7.6	8.0	485	16.4	250	>24000	>24000	0.16	2.5	285
Fountain Creek below Janitell Road	20110726	74	616	7.4	8.1	606	25.2	19	440	1000	0.05	2.2	372
Fountain Creek below Janitell Road	20110830	74	617	6.4	8.2	705	24.9	14	210	>2400	0.04	2.9	454
Fountain Creek below Janitell Road	20110926	74	627	7.8	8.3	731	21.2	8.0	270	>2400	0.07	3.7	467
Fountain Creek below Janitell Road	20111027	114	618	9.6	7.9	630	13.3	14	610	>2400	0.03	<0.03	408
Fountain Creek below Janitell Road	20111128	65	619	9.6	8.0	620	11.3	6.7	67	1000	0.07	3.0	409
Fountain Creek at Security	20110121	55	624	11.2	8.2	832	3.3	11	88	610	0.50	4.1	533
Fountain Creek at Security	20110217	95	621	9.7	8.4	791	8.8	39	E11	E480	0.25	4.0	495
Fountain Creek at Security	20110329	106	620	10.1	8.6	879	11.5	50	440	>2400	0.10	5.5	587
Fountain Creek at Security	20110427	79	618	9.4	8.3	819	10.9	42	88	>2400	0.10	5.6	549
Fountain Creek at Security	20110525	106	621	7.4	8.3	649	14.5	61	360	>2400	0.12	2.7	409
Fountain Creek at Security	20110622	77	623	6.6	8.4	752	28.0	19	140	>2400	0.06	2.7	481

Location	Date	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
Fountain Creek at Security	20110728	75	624	6.1	8.3	728	27.3	48	550	>2400	0.20	3.0	465
Fountain Creek at Security	20110829	63	624	8.0	8.4	776	22.6	17	460	>2400	0.30	3.2	492
Fountain Creek at Security	20110927	68	626	8.1	8.3	854	17.1	14	84	>2400	0.30	4.0	543
Fountain Creek at Security	20111025	66	621	8.3	8.2	808	11.6	16	91	2400	0.31	3.5	494
Fountain Creek at Security	20111129	114	625	8.8	8.3	697	11.2	30	47	1000	0.28	3.2	463
Fountain Creek Near Fountain	20110124	69	631	11.0	7.9	920	2.4	22	5	290	0.28	4.0	591
Fountain Creek Near Fountain	20110217	108	624	8.8	8.1	870	10.1	68	11	290	0.07	4.2	570
Fountain Creek Near Fountain	20110330	97	625	9.6	8.3	860	9.4	33	26	870	0.02	3.7	556
Fountain Creek Near Fountain	20110426	57	616	7.8	8.2	965	12.8	23	21	1100	0.02	4.7	636
Fountain Creek Near Fountain	20110518	55	618	7.7	8.1	1000	16.7	15	23	220	0.06	3.9	638
Fountain Creek Near Fountain	20110620	105	622	7.0	8.1	816	19.2	200	2400	>2400	0.22	3.0	541
Fountain Creek Near Fountain	20110726	92	625	6.3	8.0	706	27.8	63	880	>24000	<0.02	2.8	452
Fountain Creek Near Fountain	20110831	52	629	7.2	8.2	973	21.4	11	130	2400	<0.02	3.7	654
Fountain Creek Near Fountain	20110926	83	622	6.7	8.3	1130	21.4	35	41	>2400	0.03	4.9	762
Fountain Creek Near Fountain	20111025	86	625	9.0	8.1	1020	13.8	19	23	2400	0.03	4.3	653
Fountain Creek Near Fountain	20111128	95	630	9.3	8.1	865	8.7	30	37	2000	0.04	4.8	578
Fountain Creek at Pinon	20110121	70	640	8.8	8.2	1040	6.9	52	2	280	0.04	4.8	688
Fountain Creek at Pinon	20110222	114	636	11.4	8.2	926	3.3	120	38	530	0.06	3.9	613
Fountain Creek at Pinon	20110328	105	629	8.2	8.4	965	15.3	59	14	1200	<0.02	4.3	634
Fountain Creek at Pinon	20110427	41	633	8.2	8.3	1050	15.5	32	16	820	<0.02	4.6	684
Fountain Creek at Pinon	20110531	47	638	6.9	8.5	1070	24.3	54	98	1600	0.02	4.5	712
Fountain Creek at Pinon	20110620	38	630	7.0	8.4	1020	21.1	99	400	>2400	0.02	4.3	687
Fountain Creek at Pinon	20110727	20	636	6.1	8.1	997	27.1	25	190	11000	<0.02	4.0	642
Fountain Creek at Pinon	20110831	8.1	636	6.0	8.3	1100	27.0	16	67	>2400	<0.02	3.8	716
Fountain Creek at Pinon	20110927	64	641	7.8	8.2	1210	19.8	42	47	>2400	<0.02	4.8	812
Fountain Creek at Pinon	20111025	76	634	8.7	8.3	1120	13.5	61	73	2400	0.02	4.4	723
Fountain Creek at Pinon	20111121	105	634	9.4	8.1	987	7.8	73	27	1700	0.05	4.1	666
Fountain Creek at Pueblo	20110125	70	648	11.3	8.1	1190	1.9	11	2	360	0.02	12.9	813
Fountain Creek at Pueblo	20110218	146	648	10.4	8.3	1080	5.7	180	17	920	0.02	10.0	717
Fountain Creek at Pueblo	20110331	98	638	9.8	8.4	1020	10.1	69	10	210	<0.02	11.4	739
Fountain Creek at Pueblo	20110425	274	635	8.3	8.3	975	14.8	1020	4100	22000	0.08	6.4	638
Fountain Creek at Pueblo	20110525	134	641	7.3	8.4	944	21.8	290	110	730	0.03	9.2	644
Fountain Creek at Pueblo	20110623	28	644	7.8	8.2	1420	18.2	21	11	460	<0.02	22.0	1020
Fountain Creek at Pueblo	20110729	54	648	7.2	8.3	1270	26.1	340	760	>24000	0.02	14.6	876
Fountain Creek at Pueblo	20110829	E16	644	7.8	8.7	1630	30.4	4.1	57	2000	0.02	32.2	1190
Fountain Creek at Pueblo	20110928	63	645	8.4	8.3	1480	15.6	22	32	>2400	<0.02	17.9	1060

Location	Date	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
Fountain Creek at Pueblo	20111026	100	646	9.8	8.4	1360	8.0	89	93	>2400	<0.02	14.9	938
Fountain Creek at Pueblo	20111121	142	642	10.9	8.2	1160	4.4	51	15	1700	0.02	10.7	841
Fountain at E. River Street	20110124	78	644	10.2	8.3	1210	5.1	67	25	450	<0.02	12.1	819
Fountain at E. River Street	20110218	128	647	7.9	8.5	1090	8.2	180	7	1400	0.03	9.8	734
Fountain at E. River Street	20110330	119	645	8.9	8.6	1080	16.0	58	66	1400	<0.02	10.0	749
Fountain at E. River Street	20110428	50	644	9.3	8.3	1290	19.6	60	39	770	<0.02	17.3	914
Fountain at E. River Street	20110531	41	649	8.7	8.5	1310	16.2	22	78	980	<0.02	17.3	954
Fountain at E. River Street	20110621	77	643	6.3	8.4	1150	27.2	70	2000	>2400	<0.02	11.5	776
Fountain at E. River Street	20110728	30	649	6.3	8.3	1370	26.4	37	E110	E14000	<0.02	16.9	937
Fountain at E. River Street	20110819	29	643	7.8	8.2	1440	21.7	19	65	>2400	<0.02	19.2	1010
Fountain at E. River Street	20110928	70	646	7.6	8.3	1530	24.6	17	10	2400	<0.02	18.5	1100
Fountain at E. River Street	20111028	140	649	10.2	8.3	1220	7.0	180	370	>2400	0.06	10.3	851
Fountain at E. River Street	20111130	115	638	9.8	8.3	1250	6.3	57	27	1700	0.03	10.7	825
Fountain at 40th Street	20110124	68	645	10.4	8.1	1120	4.6	65	2	440	<0.02	6.0	758
Fountain at 40th Street	20110223	112	642	11.4	8.3	1030	3.6	110	120	610	0.03	5.5	694
Fountain at 40th Street	20110330	116	638	9.8	8.5	1040	13.2	130	84	1600	<0.02	5.5	706
Fountain at 40th Street	20110427	65	639	7.7	8.3	1110	19.5	56	21	770	<0.02	6.8	750
Fountain at 40th Street	20110526	72	635	7.3	8.5	1080	22.8	90	120	820	0.03	6.0	721
Fountain at 40th Street	20110621	75	641	6.6	8.3	1050	24.7	E100	2400	>2400	<0.02	5.4	687
Fountain at 40th Street	20110727	46	642	7.1	8.2	1090	22.5	82	350	20000	<0.02	6.8	716
Fountain at 40th Street	20110826	7.4	647	7.4	8.2	1370	24.8	0.4	23	2400	<0.02	10.5	935
Fountain at 40th Street	20110927	69	646	7.3	8.3	1380	22.8	21	39	2400	<0.02	8.9	948
Fountain at 40th Street	20111031	114	641	8.5	8.4	1180	12.7	92	44	2400	<0.02	5.9	804
Fountain at 40th Street	20111130	115	638	9.6	8.2	1171	4.5	62	34	2000	<0.02	7.5	780
Fountain Below Jimmy Camp Cr	20110121	59	628	10.1	8.2	883	5.1	12	11	580	0.20	3.9	581
Fountain Below Jimmy Camp Cr	20110217	125	624	8.8	8.3	857	12.0	62	35	550	0.14	4.1	548
Fountain Below Jimmy Camp Cr	20110329	119	624	9.4	8.7	851	15.5	51	60	>2400	0.03	4.5	565
Fountain Below Jimmy Camp Cr	20110426	61	613	9.3	8.2	829	10.8	26	59	2000	0.06	3.9	541
Fountain Below Jimmy Camp Cr	20110525	96	625	7.4	8.3	747	18.2	38	110	1300	0.05	2.8	488
Fountain Below Jimmy Camp Cr	20110621	83	626	7.2	8.2	738	19.8	29	730	>2400	0.28	2.4	468
Fountain Below Jimmy Camp Cr	20110726	140	625	6.6	8.1	568	23.1	110	1500	>24000	0.05	2.3	352
Fountain Below Jimmy Camp Cr	20110829	56	628	7.8	8.3	860	20.9	17	440	>2400	0.12	3.1	548
Fountain Below Jimmy Camp Cr	20110926	61	627	7.7	8.3	944	18.0	14	70	>2400	0.14	4.1	617
Fountain Below Jimmy Camp Cr	20111027	132	628	8.5	8.3	794	12.1	50	550	>2400	0.11	3.2	520
Fountain Below Jimmy Camp Cr	20111128	106	628	10.8	8.1	790	7.0	27	230	980	0.22	3.9	524

Complaint Log

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	7/20/2011	Steve Norris	Prairie dogs potentially disturbed by construction are impacting cattle grazing area nearby.	Met with Permitting/Environmental Team and Mr. Norris; Determined corrective actions were needed.	Arranged for contractor to relocate prairie dogs.	Property owner satisfied.
PC	8/23/2011	Mary Morrison	Concern about vacant house on Industrial that Utilities owns.	Permitting/Environmental Team met with Pueblo County regarding potential for early demolition. SDS staff met with resident to discuss next steps.	Vacant house on Industrial was demolished safely.	Resident satisfied
PC	8/24/2011	Renee Huddleson	Asking about payment for her easement.	Adressed concern with SDS Land team.	Land team reached her and provided information.	Resident seemed satisfied.
EPC	8/26/2011	John and Georgia Key	Residents concerned about upcoming fencing location and potential impacts to their septic system.	Met with property owners to explain fencing and answer questions.	None needed	Residents satisfied.
EPC	8/30/2011	Greg Fisher	Met with Mr. Fisher and construction team to discuss construction fencing and Fishers' access to electrical box in back yard	Construction team agreed to do fencing to permit Fishers' to access electrical box, to move shed debris so that Mr. Fisher could repurpose lumber, and take others to restore property after construction.	Plan to follow up after fencing is placed by construction team	Resident happy with efforts
EPC	9/12/2011	Greg Fisher	Fence posts placed do not appear to be as agreed	Discussed with construction team and construction team agreed to place a gate in the fence near the electrical box. Also, chain link strung by construction team was too low and might permit his small cattle to escape.	Follow up with Mr. Fisher to ensure gate is placed.	Resident satisfied with effort now because he has sold the two cattle.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
EPC	10/14/2011	Mark Mullet	Septic system relocation Homeowner worried about system freezing.	Vents are installed in leach field. Field depth discused. Contractor indicated that he has never seen and believes that bioaction in the cells will keep it warm. Seed applied by contractor. Homeowner worried seed won't take because it is so late in the season.	Reseeding requested in spring and six-month walkthrough to assess system and vegetation efforts.	Resident seemed satisfied.
EPC	10/14/2011	Charles Borden	Concern that construction is on his property and should not be	Met with Mr. Borden and went over boundaries of his property and showed him that fencing does not touch his property	None needed	Resident satisfied with outcome
PC	10/19/2011	Mr. C. Mullins	Concerned about off road vehicles using the easement and wondering what will be done to address the issue.	Spoke with Mr. Mullins about the contractors safety plans and use of afterhours security. Spoke with the Pueblo County Sheriffs Office during their monthly SDS meeting. PCSO reps said they will work with any residents that call with such a complaint and treat it as trespassing since SDS and the contractor wish to treat that as such.	PCSO followed up with resident. SDS will coordinate with resident for updates as crews near his property.	Resident satisfied with outcome and expressed interest in being kept informed as the project comes closer to his property.
PC	11/21/2011	Dwayne Maxwell	Concern about unexpected fencing activity in easement	Construction team gave direction for fencing crews to leave the area and recheck their plans for type of fence for these properties.	Reschedule fencing crews to do these properties in chain link, rather than orange construction fencing.	Resident was accepting of new fence plan and were cordial as chain link was placed on the easement a few weeks later.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	11/21/2011	Herbert Walsh	Concern about unexpected fencing activity in easement	Construction team gave direction for fencing crews to leave the area and recheck their plans for type of fence for these properties.	Reschedule fencing crews to do these properties in chain link, rather than orange construction fencing.	Resident was accepting of new fence plan and were cordial as chain link was placed on the easement a few weeks later.
PC	11/23/2011	Anonymous	Caller said he was driving by our site along Highway 50 and saw what he thought was dust and wondered what our dust mitigation plan is	Immediately contacted construction team. Call came late in afternoon. Team believes the caller saw water mist and hydromulch being applied to the site. Measurements of dust were well below limits set forth in 1041.	Caller declined further contact or to give his name. Call was blocked on hotline.	Unknown--contact refused by resident
PC	11/20/2011	Al Aldecocea	Concern about resident report that unidentified trucks have been stopping on the road in Midway Ranches and impeding traffic.	Project manager checked with contractor and provided guidance about maintaining traffic flow for neighborhood.	Continue to emphasize need for traffic flow in neighborhood.	Resident seemed satisfied.
PC	11/30/2011	Paul Langlois	Says he has not received paperwork about his relocated septic system	Checked and found that his attorney, Mr. Gradisar, had been e-mailed the documents and had not communicated with Mr. Langlois.	None needed	Resident satisfied with outcome.
PC	11/30/2011	Lavetta Kay	Wondering about status of her photos and video pre-existing condition assessment	Shared with her the technical process being used to achieve maximum accuracy and ease of use.	Get assessment to her as soon as possible	Ms. Kay would like her assessment as soon as possible.

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	11/30/2011	Renee Kurkowski	Concerned about water trucks using Young Hollow Road and wants to make sure they are coming to a full stop at stop signs.	Spoke with caller to update her on the new activities along the road and assured her that all trucks will follow traffic signs in the area.	Spoke to the construction team about speaking with the truck drivers to make sure they know the safety hazards along the roadway. The construction team spoke with the drivers at the site to make sure they knew where all the traffic signs are.	The property owner was satisfied with the teams effort to reinforce obeying traffic signs.
PC	12/2/2011	Jack and Jill Fahrion	Experiencing slight vibration in home from nearby construction and wondering if this would cause any damage	Met with property owners to address their concerns. All parties agreed to conduct vibration testing to investigate further.	Vibration reports resulted in levels that were detectable but normal. Property owners reported no damages. Followed up with property owners the weeks following the initial call and the property owners reported that they were doing well and not experiencing anything else.	Property owner was satisfied with findings and appreciative of the teams efforts to address their concerns.
PC	12/5/2011	Pierre DeChabert	Questions/concerns about gates installed between his property and the construction easement	Met with Mr. DeChabert and arranged for wider gates to be installed.	Wider gates installed.	Resident satisfied with outcome

County	Date	Caller (Contact)	Reason	Response	Follow up	Disposition
PC	12/7/2011	Gary Maier	Email saying dust being generated and wanting water trucks	Emailed him back, asked for a phone number and a location, got no answer. Emailed several times with no response from Mr. Maier.	Checked with construction team and environmental team, confirmed watering and dust monitoring is under way.	Unknown--contact refused by resident
PC	12/7/2011	Mr. Carver	His land line isn't working and he wonders if stakes placed by fencing crews might have cut line accidentally.	Immediately sent construction team to assess the situation; A disposable cell phone was delivered to Mr. Carver at about 6 p.m. to ensure he had a phone overnight.	Checked in with Mr. Carver the next day to ensure his land line was repaired by phone provider.	Resident stated that he was very happy with the outcome.
PC	12/13/2011	Clarissa Arnot	Workers littering on easement near her home	Apology, offered to clean them up right away, which she already had done	Discussed with construction team, immediate correction for workers	Resident satisfied with outcome
PC	12/14/2011	Monique Mullis	SDS traffic using north entrance of park and not east entrance.	Construction team met with contractor that day to make them aware of entry point for SDS traffic.	Ms. Mullis was informed of team's response.	Ms. Mullis was satisfied with outcome.
PC	12/27/2011	Lavetta Kay	Checking up on new activity in the easement on her property and making sure they will protect cacti	Contacted construction team to make sure they moved away from the sensitive area to minimize damage to cacti.	Visited the field on 12/28 and spoke with Ms. Kay on the phone. Assured her that we will relocate the marked cacti away from the construction area and when revegetation occurs we will establish the cacti.	Ms. Kay was upset and wanted to be kept updated about our efforts to protect cacti in the easement area.

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
PDC 1A	Saturday	5/14/2011	7 am - 6 pm	Excavation and Dewatering Activities
PDC 1A	Saturday	6/4/2011	7 am - 6 pm	Excavation and Dewatering Activities
PDC 1A	Saturday	6/18/2011	7 am - 6 pm	Excavation and Dewatering Activities
PDC 1A	Saturday	6/25/2011	7 am - 6 pm	Excavation and Dewatering Activities
PDC 1A	Saturday	7/30/2011	1:30 a.m. - 12:00 p.m.	Concrete Placement
PDC 1A	Friday	8/12/2011	1:30 a.m. - 12:00 p.m.	Concrete Placement
PDC 1A	Friday	8/19/2011	5:00 a.m. - 4:30 p.m.	Concrete Placement
PDC 1A	Saturday	8/27/2011	3:00 a.m. - 12:00 p.m.	Concrete Placement
PDC 1A	Wednesday	8/31/2011	5:00 a.m. - 4:30 p.m.	Concrete Placement
PDC 1A	Monday	9/19/2011	5:00 p.m. - 8:00 p.m.	Sandblasting
PDC 1A	Monday	9/26/2011	7:00 a.m. - 8:00 p.m.	Form Erection for Concrete
PDC 1A	Wednesday	9/28/2011	2:00 a.m. - 4:30 p.m.	Concrete Placement
PDC 1A	Saturday	10/29/2011	7:00 a.m. - 4:00 p.m.	Formwork
PDC 1A	Saturday	11/19/2011	7:00 a.m. - 4:00 p.m.	Welding in Buttress 16
PDC 1A	Saturday	12/3/2011	7:00 a.m. - 4:00 p.m.	Work in Buttress 16
PDC 1A	Saturday	12/10/2011	7:00 a.m. - 4:00 p.m.	Work in Buttress 16
PDC 1A	Saturday	12/17/2011	7:00 a.m. - 4:00 p.m.	Work in Buttress 16
FW1B	Sunday	10/16/2011	7:00 a.m. - 4:00 p.m.	Tunnel Boring 54" Casing
FW1B	Sunday	12/4/2011	7:00 a.m. - 4:00 p.m.	Tunnel Boring 54" Casing
FW1B	Sunday	12/11/2011	7:00 a.m. - 4:00 p.m.	Tunnel Boring 54" Casing

Expenditures for Wastewater System Improvements Annual Report for 2011



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

January 2012

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

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Introduction

On April 21, 2009, the Pueblo Board of County Commissioners passed Resolution No. P&D 09-22, approving 1041 Permit No. 2008-002 with terms and conditions for construction of the Southern Delivery System water project within Pueblo County, Colorado.

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

Expenditures for Wastewater System Improvements

In order to continue its efforts to protect against future spills to Fountain Creek, to increase its opportunities for reuse, and to mitigate possible water quality impacts by the SDS Project to Fountain Creek, Colorado Springs Utilities shall commit to invest an additional seventy-five million dollars (\$75,000,000) in its wastewater system. Expenditures will be made as part of the wastewater collection system rehabilitation programs or wastewater reuse systems between January 1, 2009 and December 31, 2024 as required. These expenditures shall be for projects not currently required by other regulatory permits, agency enforcement or court orders, consent agreements, or governmental regulations existing as of January 30, 2009. These expenditures will include the Local Collector Evaluation and Rehabilitation Program (LCERP) for the improvement and fortification of wastewater lines which could adversely affect Fountain Creek or its tributaries. These expenditures are subject to annual appropriation by the Colorado Springs City Council. Beginning in 2010, by January 31 of each year, Colorado Springs Utilities shall provide an annual report to Pueblo County describing such expenditures for the prior year.

The Wastewater Collection System Rehabilitation Programs are comprehensive programs that systematically inspect, evaluate, prioritize, and rehabilitate the entire Colorado Springs Utilities collection system. In 2011, the projects that met the terms of Condition No. 7 are: 1) the Local Collectors Evaluation and Rehabilitation Project (LCERP); 2), the Manhole Evaluation and Rehabilitation Project (MHERP); and 3) the Collection System Rehabilitation and Replacement Project (R&R). These projects are independent of Colorado Springs Utilities' normal operation and maintenance programs, and were not mandated by any permits, agency orders, court orders, consent agreements, or regulations existing as of January 30, 2009.

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

Project Descriptions

Local Collectors Evaluation and Rehabilitation Project (LCERP)

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

LCERP:

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

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

Manhole Evaluation and Rehabilitation Project (MHERP)

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

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

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

Collection System Rehabilitation and Replacement Project (R&R)

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

R&R:

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

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

Wastewater Reuse System

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

Wastewater Reuse Systems:

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

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

Summary

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

¹ The Sanitary Sewer Evaluation and Rehabilitation Program, which includes large diameter pipe installed prior to 1994, and the Sanitary Sewer Creek Crossing Project are compliance order Wastewater Collection System Rehabilitation Programs that do not meet the terms of Condition No. 7. The forgoing compliance activities resulted in an expenditure of \$6.39M in 2011.