

**Public Works Report - October 2011**  
**Water and Wastewater**

**Summary of Information**

Water Conservation Rebate - Clothes Washers 14)	\$1,750
Water Conservation Rebate - Toilets 6)	\$435
Meters and Remotes Repaired	59
Remotes Installed	11
Moves	602
Water Taps	19
City Project - Water Taps	25
Sewer Taps	47
City Project - Sewer Taps	9
Active Accounts	21,788
Water Billed	415,618,720 gal.
Water Produced	291,004,900 gal.
Peak Day	15,425,600 gal.
Average Per Day	9,387,255 gal.
Air Base Usage	13,761,704 gal.
City Water Revenue	\$ 1,706,500.57
Air Base Revenue	\$ 11,209.90
Total Water Revenue	\$ 1,717,710.47
Water Breaks	14
Locates	683
Sewer Line Jetted	77,901 ft.
Sewer Plugs	7
Root Cut Line	0 ft.
Televised Sewer Lines	7,381 ft.

## Water Maintenance

Repaired a valve box on Park Drive and Corral Drive.  
 Clean out storm sewer inlet on Flormann Street.  
 Charged and flushed the water main on Pevan's Parkway.  
 Operated valves, charged and flushed the water main on Lacrosse Street and Anamosa Street.  
 Repaired a 6" water main on Jefferson Street.  
 Operated valves on Yucca Drive and Canyon Lake Drive.  
 Checked out sink hole at 4729 Windsor Drive.  
 Operated valves on East North Street for Beka Construction.  
 Operated valves on Cambell St., E. Denver Street, and E. North Street for Heavy Constructors.  
 Repair valve boxes on Anamosa Street, East Mall Drive, and Sagewood Street.  
 Operated valves on East Mall Drive east of Cabella's for Lind-Exco.  
 Operated valves on Flormann Street by Kepps.  
 Operated valves on 12" main on Jackson Blvd for Hills Materials Company.  
 Operated valves on Anamosa Street for Highmark Inc.  
 Operated valves on Canyon Lake Drive for RCS Construction.  
 Operated valves on Evergreen Drive, Hartland Court, 32nd Street and Canyon Lake Drive.  
 Operated valves on Frontier Drive for Rapid Construction.  
 Operated valves on Stummer Road for Nold Construction.  
 Operated valves on Anamosa Street for Highmark Inc.  
 Operated valves for Highmark Inc. on Anamosa Street and Lacrosse Street after hours.  
 Operated valves on Nugget Gulch Road for AAA Plumbing.  
 Operated valves on East Philadelphia Street and Cherry Street for Beka Construction.  
 Operated valves on Canyon Lake Drive and Forest Drive for RCS Construction.  
 Operated valves at 1905 38th Street and Juniper Street.  
 Repaired the water mains at 4536 Baldwin Street and at 2014 Buena Vista Drive.

### General Shop Maintenance.

Equipment clean up and maintenance.  
 Stockpile rock and re-stack pipe in yard.  
 Operate valves for contractor construction.  
 Flush hydrants and mains throughout the city.  
 Blow out valve and curb boxes.  
 Landscape repair areas.  
 Complete concrete work on repair areas.

### Hydrant repair and maintenance at the following locations:

Saint Martin's	2710 Mystic Mountain Road.
Minnesota Street	1220 East Saint Charles Street
behind Kmart	Canyon Lake Ball Park

## **Water Plant Maintenance**

Weekly security checks of all pits and reservoirs.  
Grounds maintenance of the reservoirs and sources.  
Maintenance at Low Level Reservoir.  
Cleaned the stabilization basin at the Water Treatment Plant.  
Maintenance on the #2 pump at Robbinsdale Booster.  
Built a step and stained at Northridge Booster.  
Training for security door system at Water Treatment Plant.  
Finished the pump maintenance and put the pump back in service at Robbinsdale Booster.  
ChlorTech maintenance at Well #12.  
Roof maintenance of the gate house at Deerfield Dam.  
Replaced the hatch at Low Level Reservoir.  
Winterized the TU meters and the chlorine analyzers in the Water Treatment Plant.  
Repaired pipes at Redrocks Booster.  
Maintenance at Well #9.  
Maintenance of the #2 pump at Terracita.  
Equipment troubleshooting at Kepps reservoir.  
Attended water treatment training classes at Ramkota.  
Winterized Girl Scouts, Robbinsdale, and Redrocks booster houses.  
Closed exhaust vents at booster stations.  
Replaced the faucet at Well #11.  
Repaired the dam at the Water Treatment Plant.  
Performed security checks at Pactola and Deerfield dams.  
Maintenance of the reservoir valve and actuator at High Level Reservoir.  
Maintenance of the intake pump house at the Water Treatment Plant.  
Maintenance at Well #12.  
Filled the North Pinedale Reservoir.

Rang in monthly alarms.  
Lab work.  
General Plant Maintenance.  
Daily Rounds.  
Weekly Samples.

## Sewer Maintenance

Televised the sewer main at East Denver Street and Spruce Street.  
 Located valve on City View Drive.  
 Hauled bioxide to Hwy 16 and Red Rock Meadows lift stations.  
 Repaired flow meters at Terra Cotta and Anderson Road.  
 Check odor control station on Saint Patrick Street.  
 Vactored and televised at the Water Reclamation Facility.  
 Inspected manholes at Omaha Street and Corral Drive.  
 Televised the sewer main at Waterloo Street and Monroe Street.  
 Vactored the wet well at Red Rock Meadows.  
 Located manholes behind Menard's.  
 Televised the sewer main at Mount Rushmore Road.  
 Responded to odor call at County Building on 4th Street.  
 Televised the sewer service line at 228 Anamosa Street.  
 Checked manhole at Mary Hall Park.  
 Investigated a pressure complaint at 611 Magnolia Street.  
 Televised sewer mains on Mt. Rushmore Road, E. Denver Street and Eagle Ridge Development.  
 Televised sewer mains at 821 Joy Avenue, Woodlawn Drive, and East North Street.  
 Televised sewer mains on Frontier Place, Eagle Ridge Development, and Knollwood Drive.  
 Responded to odor complaint at Fire Station 1.  
 Televised sewer mains on Outfitter's Road, Lacrosse Street and Watertown Street.

Check Lift Stations daily.

General Shop Maintenance.

Equipment clean up and repair.

Blow out valve and curb boxes.

Vactor sewer lines - When jetting with the Guzzler, the mains are being vacuumed at the same time. On a sewer backup the mains are followed up with vacuuming.

Jetted lines at the following locations:

Bluebook: North, South, West, Downtown - Rapid City

18 Oakland Street

728 Saint Charles Street

228 Anamosa Street

821 Joy Avenue

807 East Saint Andrew Street

135 East Philadelphia Street

Elm Street

**Rapid City Water Division  
Water Production for October 2011**

Girl Scouts Gallery	19,612,000
Meadowbrook Gallery	10,167,900
Jackson Springs	0
Well #1	0
Well #4	0
Well #5	66,006,000
Well #6	20,066,000
Well #8	0
Well #9	94,449,000
Well #10	51,635,000
Well #11	18,043,000
Well #12	11,026,000
Mtn View Treatment Plant	0
<b>TOTAL</b>	<b>291,004,900</b>

PEAK DAY	15,425,600
AVERAGE PER DAY	9,387,255
AIR BASE USAGE	13,761,704
RAPID VALLEY USAGE	0

<b><u>Raw Water Usage</u></b>	Arrowhead Country Club	4,689,960
	Meadowbrook Golf Course	7,007,264
	Executive Golf Course	1,439,900
	Sioux Park	0
	<b>TOTAL</b>	<b>13,137,124</b>

**Water Revenue**

City Billing	\$ 1,706,500.57
Air Base Billing	\$ 11,209.90
<b>TOTAL</b>	<b>\$ 1,717,710.47</b>

●●All Usage Calculated in Gallons●●