

Public Works Report - August 2011
Water and Wastewater

Summary of Information

Water Conservation Rebate - Clothes Washers 23)	\$2,875
Water Conservation Rebate - Toilets 12)	\$810
Meters and Remotes Repaired	77
Remotes Installed	12
Moves	670
Water Taps	33
City Project - Water Taps	21
Sewer Taps	16
City Project - Sewer Taps	26
Active Accounts	21,750
Water Billed	439,195,605 gal.
Water Produced	463,990,800 gal.
Peak Day	18,905,000 gal.
Average Per Day	14,967,445 gal.
Air Base Usage	22,319,572 gal.
City Water Revenue	\$ 1,772,153.81
Air Base Revenue	\$ 17,822.83
Total Water Revenue	\$ 1,789,976.64
Water Breaks	17
Locates	903
Sewer Line Jetted	94,998 ft.
Sewer Plugs	3
Root Cut Line	0 ft.
Televised Sewer Lines	3,505 ft.

Water Maintenance

Repaired water mains at Elm Avenue, Oakland St., Fairmont Ct., Ivy Ave. and E. Idaho Street.
 Responded to and repaired the water main on 7th Street and Flormann Street.
 Operated valves on Stonybrook Court, Anamosa Street, Willsie Avenue and College Avenue.
 Operated valves after hours at Summerset and Sheridan Lake Road.
 Replaced the poly-b water service lines at 2446 and 2445 Broadmoor Court.
 Constructed a 4" water tap for Iron Horse Excavating at 1718 Eglin Street.
 Operated valves on Canyon Lake Drive and Minnekahta Drive for RCS Construction.
 Operated valves on Chateaux Ridge Court for Site Works Specialists.
 Investigated a sink hole at 1121 Saint Charles Street.
 Operated valves on Saint Patrick Street for Kepps.
 Operated valves on Jackson Boulevard for Hills Materials Co.
 Attended the funeral for fallen Officer Armstrong.
 Operated valves on Haines Avenue and Cleghorn Canyon.
 Repaired mains at 2010 Sioux Avenue and 1212 Columbus Street.
 Operated valves on Wood Avenue, Anamosa Street and Willise Avenue for Highmark Inc.
 Operated valves on E. Denver Street for Beka Corporation.
 Checked tap tee test for Site Works Specialists at Fire Station #5 on Park Drive.
 Replaced poly-b water service lines at 823 Sycamore, 623 E. Centennial, and 603 Fairmont.
 Constructed a 4" water tap for Iron Horse Excavating at 504 Main Street.
 Operated valves on 5th Street for Nold Excavating.
 Operated valves on South Street and Cambell Street for Heavy Constructors Inc.
 Constructed a 6" water tap on Morningside Drive for Warax Excavating.
 Constructed a 4" water tap on Evergreen Drive for RCS Construction.
 Constructed an 8" water tap on Pevan's Way for Hills Material Co.
 Responded to and repaired a water main at 7th Street / East Saint Charles Street.

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:

Lacrosse Street / Anamosa Street	Eglin Street
Wonderland Court	Pool Drive
5th Street / Catron Boulevard	15 Quincy Street

Water Plant Maintenance

Weekly security checks of all pits and reservoirs.
Grounds maintenance of the reservoirs and sources.
Monitored the water conservation measures.
Maintenance of the PRV at Enchanted Hills.
Maintenance at Well #12.
Maintenance of the chlorine system at the Water Treatment Plant.
Placed the Mountain View Booster back in service.
Turned the breakers back on at Well #9.
Investigated the Skyline Reservoir level readings.
Reset the alarm at Redrocks Booster.
Attended the funeral for fallen Officer Armstrong.
Replaced the battery in the chlorine detector at Well #1.
Pulled the sump pump out of the Cedar Hills Booster pit.
Repaired the chlorine water line at Well #9.
Maintenance of the communication system at Terracita.
Maintenance at North Rapid #1.
Changed the charts at the Water Treatment Plant.
Adjusted the new PRV at Pinedale #2.
Maintenance on the RTU to change path on Terracita radio.
Maintenance of the communication system at Skyline Booster.
Mounted plexiglass in the RTU cabinet at Well #10.
Replaced the chlorine tank at the Water Treatment Plant.
Operated the bypass valves at Springbrook Acres for repair of water main.

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

Sewer Maintenance

Maintenance at the Country Road and Elk Vale lift stations.

Televised the sewer mains on Canyon Lake Dr., Cliff Drive, Quincy Street and Myrtle Avenue.

Performed maintenance on the flow meter at Terra Cotta.

Televised the sewer main at 114 San Marco Boulevard.

Attended the funeral for fallen Officer Armstrong.

Hauled bioxide to Hwy 16 lift station.

Attended a pipe inspection class.

Attended training on odor control on Saint Patrick Street.

Televised the sewer main on Evergreen Drive.

Conducted smoke tests on Knollwood Drive and Maple Avenue.

Televised the sewer main at Pine Street and E. North Street.

Televised the sewer main on Denver Street, Racine Street and Lacrosse Street.

Located manholes on Racine Street and Lacrosse Street.

Located manholes at McKeague Field and Mary Hall Park.

Televised the sewer mains on Monroe Street, Seeaire Street, West Chicago Street, North Street, Haines Avenue, Wonderland Homes, East Blvd and Kansas City Streets

Televised the sewer mains on Silver Street, Short Street, Van Buren Street, Evergreen Drive and Canyon Lake Drive.

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

3030 West Main Street

2906 Ivy Avenue

1126 Haines Avenue

1802 9th Street

4521 West Chicago Street

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

Girl Scouts Gallery	1,730,000
Meadowbrook Gallery	299,800
Jackson Springs	0
Well #1	0
Well #4	0
Well #5	39,978,000
Well #6	31,084,000
Well #8	0
Well #9	21,634,000
Well #10	49,037,000
Well #11	24,046,000
Well #12	38,490,000
Mtn View Treatment Plant	<u>257,692,000</u>
TOTAL	463,990,800

PEAK DAY	18,905,000
AVERAGE PER DAY	14,967,445
AIR BASE USAGE	22,319,572
RAPID VALLEY USAGE	0

<u>Raw Water Usage</u>	Arrowhead Country Club	7,655,780
	Meadowbrook Golf Course	8,174,144
	Executive Golf Course	1,641,860
	Sioux Park	
	TOTAL	<u>17,471,784</u>

<u>Water Revenue</u>		
City Billing	\$	1,772,153.81
Air Base Billing	\$	17,822.83
TOTAL	<u>\$</u>	<u>1,789,976.64</u>

All Usage Calculated in Gallons