

# 2011 ANNUAL REPORT TO THE CITY COUNCIL

## NARRATIVE DESCRIPTION OF DEPARTMENT

The Water Department has: Seven full-time Employees a Utility Billing Clerk and part time receptionist doing collections and data entry at City Hall.

Name	years of service		Certificate grade and type
1. Gayle Sitzmann	23 years		Grade IV Treatment / Grade IV Distribution
2. Jim Conley	23 years	27 Total	Grade IV Treatment / Grade IV Distribution
3. Terry Singer	23 years		Grade II Treatment / Grade I Distribution
4. Mike Haverhals	16 years		Grade IV Treatment / Grade IV distribution
5. Roger Weisharr	13 years		Grade III Treatment / Grade II Distribution
6. Rich Sudtelgte	6 year		Grade III Treatment / Grade II Distribution
7. Alice Krienert	11 years		Meter Reader
8. Angie Kneip	4 year		Utility Billing and Collections
9. Christi Kilker	4 year	8 Total	Receptionist, collections and Data Entry

The water department operates the City of Le Mars water system. Which consist of over 72 miles of underground water main, 4269 meters, had 1000 private meters, 615 fire hydrants, over 1100 main line valves, 1- one million gallon elevated water tank, 1 - 1.5 million gallon underground storage tank, Over 1 million gallons in the distribution system, A 6 MGD Filtration Plant, 1 - high service pump station with a total of 4 pumps, 1 underground booster pump station w/ 2 pumps run in alteration, and 6 - Dakota aquifer wells.

The Water Department also handles locates for water and Fiber optic cables that city had shared in the past. Over see Cellular companies at the Le Mars water tower, Moves snow over 20 different locations in the downtown and surrounding areas, does small capitol projects, replaces valves and Fire Hydrants, changes water meters, customer service work orders, Water main breaks and many other maintenance in house tasks at a great cost savings to the Citizen's and customers of Le Mars.

### Information of interest

Total water pumped from the 6 wells for the year.....	1,058,228,000 gallons
Total used for backwash .....	88,600,000 gallons
Total pumped into the distribution system.....	965,449,000 gallons
Average daily water pumped.....	2,743,667 gallons
Metered water for 2011 .....	883,194,900 gallons
Flushing, WTP use, Hydrant meter sales, leaks & other ....	10,000,000 gallons
Difference between pumped and non accountable water	72,254,000 gallons
Percentage of non accountable .....	= 7.5%

Number of Locates Total .....	1595
Fiber Locates .....	423
Water concerns .....	46
Work orders completed at Water Treatment Plant.....	1446
Water test done.....	6462
Meter replacements completed.....	45
Shut-off and collections .....	370
Water main Breaks fixed .....	6
Fire Hydrants repaired, moved or replaced.....	9
Hours of snow moved in City with 4 pieces of equip...	96
Supplied one operator to Public works approximate hr's	45
Hours Airport manager and Sewer Dept. used back hoe...	65
Finals and applications done .....	659
Service taps completed.....	26
Service leaks .....	14
Frozen meters .....	9
Call Outs not including leaks.....	27
Collection letters for Water, Sewer, storm and garbage ...	.2946
Service call with fee's .....	36

### Review of water pumped monthly

	Average Daily Gallons	Monthly Gallons
<b>2011</b>		
<b>January</b>	2,263,000	61,215,000
<b>February</b>	2,106,000	58,961,000
<b>March</b>	2,552,000	71,726,000
<b>April</b>	2,770,000	76,882,000
<b>May</b>	2,790,000	86,509,000
<b>June</b>	3,024,000	90,705,000
<b>July</b>	3,600,000	111,606,000
<b>August</b>	3,552,000	110,112,000
<b>September</b>	3,907,000	87,660,000
<b>October</b>	2,907,000	82,229,000
<b>November</b>	2,136,000	64,090,000
<b>December</b>	2,057,000	63,754,000
<b>Daily</b>		
<b>Average</b>	<b>2,743,667</b>	<b>80,454,083</b>
<b>TOTAL</b>		<b>965,449,000</b>

## Projects completed and worked on in 2011

1. 480 ft. of 8 in. main along 12th street SE west of 7th Ave for future loop across 7th Ave in booster area.
2. 60 ft of 12 in across Lincoln at 18th St. SW for future loop under RXR and Business 75.
3. Replaced 4 in. main with 8 in. on 6th Ave NE by St. Joseph church also tied existing services to new main.
4. Replaced only known 3 in. main on 500 block of 2nd Ave SE. Also reconnected services on new main.
5. Along with above a 2 in service that at one time fed 4 homes was disconnected.
6. Several water main breaks have been fixed.
7. Completed service lines for the new airport building and service to the future rest area at Key and old 195th or walking trail.
8. Worked with several contractors shutting down, line stopping, tapping, draining, dig up to locate and get elevations, moved and change water mains to accommodate for new and future utilities and services.
9. Rehabilitate well #6 and Well # 10.
10. Meter maintenance as needed.
11. Replaced, added or eliminated 9 fire hydrants and valves.
12. GPS on hydrants and curb boxes. (Not all resident boxes found) mostly completed. We are re-shooting the valves as we do maintenance.
13. Spring and fall flushing has been completed with flushing of almost double the number of fire hydrants as in the past.
14. Hydrant maintenance has been completed
15. All required tests and forms are completed and sent to the IDNR
16. Maintenance, logging, mapping, data entry, and requested scenario were completed.
17. Wells and High service pump tests and maintenance completed.
18. Several larger cost maintenance issues at WTP.



## Water main considerations and work to be done in 2012 & 2013

1. More backflow awareness, compliance, testing and checks
2. Monitor and set guidelines using codes for irrigation installation. **(Council update)**
3. Continue on valve turning program and hydrant maintenance.
4. Work with city staff and firms on implementation of the water rate study.
5. Meter change out program
6. Spring and fall flushing.
7. Water main upgrades, repair and connect small mains into larger ones with valves.
8. Continue to work with contractors and other projects as they pertain to the water treatment and distribution system.
9. Water main projects in the 5 year plan
10. Water main extension to the North By-Pass Interchange Fedders and Ellensohn.
11. Water looping from 9th Ave & Hyw. 3 west to 3rd St. & 12th Ave SW
12. Extend Hyw. 3 main from 16th Ave to Lake Ave west.
13. Re- route 8 inch main by Mc Donalds for storm sewer project.

