

# 2012 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	24 years	Grade IV Treatment / Grade IV Distribution
3. Terry Singer	24 years	Grade II Treatment /Grade II Distribution
4. Mike Haverhals	17 years	Grade IV Treatment / Grade IV distribution
5. Roger Weisharr	14 years	Grade III Treatment / Grade II Distribution
6. Rich Sudtelgte	7 year	Grade III Treatment / Grade II Distribution
7. Alice Krienert	12 years	Grade I Distribution
8. Angie Kneip	5 year	Utility Billing and Collections
9. Christi Kilker	5 year	Receptionist, collections and Data Entry
	9 Total	

The water department operates the City of Le Mars water system. Which consist of over 74 miles of underground water main, 4286 meters, 618 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 many service calls for variable reasons. 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.....	1,106,548,000 gallons
Total used for backwash .....	74,966,000 gallons
Total pumped into the distribution system.....	1,039,751,000 gallons
Average daily water pumped.....	2,885,750 gallons
Metered water for 2012 .....	965,000,000 gallons
Flushing, WIP use, Hydrant meter sales, leaks & other ....	12,000,000 gallons
Leaks estimated .....	2,500,000 gallons
Difference between pumped and non accountable water	59,251,000 gallons
Percentage of non accountable .....	= 5.7%

This is an acceptable or low percentage number in the water industry.

### Work orders and Other

Number of Locates Total .....	1683
Water concerns .....	26
Work orders completed at Water Treatment Plant.....	1325
Work orders completed for meters and customer service ..	400
Water test done.....	6447
Meter replacements completed.....	1067
Number of disconnect notices .....	3022
Shut-off and collections .....	337
Water main Breaks fixed .....	6
Fire Hydrants repaired, moved or replaced.....	7
Hours of snow moved in City with 4 pieces of equip...	80
Supplied one operator to Public works approximate hr's	41
Hours Airport manager and Sewer Dept. used back hoe...	15
Finals and applications done .....	592
Service taps completed.....	15
Service leaks .....	8
Frozen meters .....	2
Call Outs not including leaks.....	23
Service call with fee's .....	22

## Review of water pumped monthly

	<b>Ave. Daily Pumped</b>	<b>Monthly pumped</b>	<b>Well Total</b>
<b>2012</b>			
<b>January</b>	<b>2,076,000</b>	<b>64,355,000</b>	<b>71,256,000</b>
<b>February</b>	<b>2,106,000</b>	<b>61,077,000</b>	<b>68,069,000</b>
<b>March</b>	<b>2,521,000</b>	<b>78,141,000</b>	<b>86,404,000</b>
<b>April</b>	<b>2,990,000</b>	<b>83,453,000</b>	<b>90,168,000</b>
<b>May</b>	<b>3,002,000</b>	<b>93,053,000</b>	<b>100,690,000</b>
<b>June</b>	<b>4,052,000</b>	<b>116,487,000</b>	<b>119,715,000</b>
<b>July</b>	<b>4,400,000</b>	<b>136,387,000</b>	<b>141,183,000</b>
<b>August</b>	<b>3,924,000</b>	<b>115,484,000</b>	<b>122,472,000</b>
<b>September</b>	<b>3,215,000</b>	<b>96,463,000</b>	<b>98,355,000</b>
<b>October</b>	<b>2,511,000</b>	<b>77,854,000</b>	<b>84,922,000</b>
<b>November</b>	<b>2,005,000</b>	<b>60,347,000</b>	<b>62,145,000</b>
<b>December</b>	<b>1,827,000</b>	<b>56,650,000</b>	<b>61,169,000</b>
<b>Total</b>	<b>34,629,000</b>	<b>1,039,751,000</b>	<b>1,106,548,000</b>
<b>Average</b>	<b>2,885,750</b>	<b>86,645,917</b>	<b>92,212,333</b>

## Projects completed and worked on in 2012

1. Tied 8" main at 12th street SE & 7th Ave for larger volume and fire flow in booster area East of town.
2. Installed over 1 mile of 12" pipe along Madison , Hwy 60 & 75 to Fedders Marine & RV.
3. Installed segments of 12" main along new 27th Street to allow for paving.
4. Repaired 2" main South of Airport.
5. Several water main breaks have been fixed.
6. Disconnected service line to old Sportsman's Club and plugged an old Well on Airport property.
7. 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.
8. Changed out over 1000 meters starting with known private meters.
9. Well tests done by Sargent Well Co.
10. Spring and Fall flushing completed.
11. Completed Hydrant maintenance.
12. New KMNO<sub>4</sub> chemical feed lines at WTP.
13. Repaired aerator motors at WTP.
14. Installed new 12" Mag meter out of Pump Station.
15. Received NPDES permit to discharge out of second lagoon to storm sewer.
16. DNR approved the request to raise the GPM flow out of the HSP Station.
17. Completed and all tests satisfactory and or below MCL levels including Lead and Copper.
18. All perimeters' are back in place for SCADA and reports.
19. 1067 meters installed and around 5 hundred Idlers have been installed where old private meters were.



## Water main considerations and work to be done in 2013 & 2014

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 West to Lake Ave.
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 Donald's for storm sewer project.
14. Water to new Waste Water Treatment Plant.