

# 2015 ANNUAL REPORT TO THE CITY COUNCIL

## NARRATIVE DESCRIPTION OF DEPARTMENT

The Water Department has: Four 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 Distribution	27 years	Grade IV Treatment / Grade IV
2. Mike Haverhals distribution	20 years	Grade IV Treatment / Grade IV
3. Rich Sudtelgte Distribution	10 year	Grade III Treatment / Grade II
4. Nick Door	1 years	Grade I Treatment
5. Angie Kneip	8 year	Utility Billing and Collections

The water department operates the City of Le Mars water system. Which consist of over 80 miles of underground water main, 4286 meters, 635 fire hydrants, over 1100 main line valves, 2- 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 booster pump station w/ 3 pumps run in alteration, and 6 - Dakota aquifer wells.

The Water Department also handles some locates for water, and many service calls for variable reasons. Oversee Cellular companies at the Le Mars water tower, moves snow over 10 different locations in the downtown and surrounding areas, does small capital projects, replaces valves and Fire Hydrants, changes water meters, customer service work orders, assists in 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 metered water pumped from 6 wells for the year...	980,346,000 gallons
Backwashes @ approximately 70,000 gallons each total	30,139,000 gallons
Backwash percentage of well water pumped	3.07%
Total metered pumped into the distribution system....	950,207,000 gallons
Average daily water pumped.....	2,600,583 gallons
Billed metered water for 2015 .....	908,085,000 gallons
Flushing, WTP use, Hydrant meter sales, leaks & other....	15,000,000 gallons
Leaks estimated .....	8,000,000 gallons
Difference between pumped and non-accountable water	19,000,000 gallons
Percentage of non-accountable .....	2 %

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

## Work Orders and Other

Number of Locates Total .....	783	
Water concerns .....	23	
Work orders completed at Water Treatment Plant.....	1375	
Work orders completed for meters and customer service...	276	
Water test done.....	6417	
Meter replacements completed .....	72	
Number of disconnect notices.....	2855	
Shut-off and collections .....	312	Water
main Breaks fixed .....	5	
Fire Hydrants repaired, moved or replaced.....	38	
Hours of snow moved in City with 4 pieces of equip...	44	
Supplied one operator to Public works approximate hr.'s	20	
Hours Airport manager and Sewer Dept. used equipment...	40	
Finals and applications done .....	632	
Service taps completed.....	16	
Service leaks.....	13	
Frozen meters .....	5	
Call Outs not including leaks.....	23	
Service call with fee's .....	14	

## Review of water pumped monthly

	Ave. Daily Pumped	Monthly Water Pumped	Well Total Pumped
<b>2015</b>			
<b>January</b>	1,999,000	61,973,000	63,576,000
<b>February</b>	1,999,000	55,958,000	59,147,000
<b>March</b>	2,291,000	71,019,000	73,776,000
<b>April</b>	2,571,000	77,117,000	80,946,000
<b>May</b>	2,912,000	90,282,000	89,474,000
<b>June</b>	3,238,000	97,129,000	101,553,000
<b>July</b>	3,424,000	106,144,000	108,042,000
<b>August</b>	3,112,000	96,470,000	101,077,000
<b>September</b>	2,996,000	89,877,000	91,354,000
<b>October</b>	2,575,000	79,829,000	83,939,000
<b>November</b>	2,092,000	62,774,000	63,746,000
<b>December</b>	1,998,000	61,635,000	63,716,000
Total		950,207,000	980,346,000 = 30,000,000 back wash = 3%

Average day pumped for year = 2,600.583 up 100,000 gallons per day from 2014



### **Projects completed and worked on in 2015**

1. 3000 Ft. of 12" main extended from 18<sup>th</sup> St. on 6<sup>th</sup> Ave SW
2. 2400 Ft. of 12" put in service on 27<sup>th</sup> Street SW
3. 13 private service leaks known about in town helped on several with contractors to fix.
4. 700 ft 8" main extended south on 14<sup>th</sup> Ave SE
5. Repaired 2" main South of Airport.
6. Lead & Copper, Radium 226 & 228 and Trihalomethanes all passed under MCL's
7. 5 water main breaks fixed 1 was bored through by contractor.
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. Completed all required tests for DNR
10. Well & HSP tests done by Sargent Well Co.
11. Pulled and rehabilitated 3 HSP, two completed and one of them to be put back in service soon. Also changed two of the check valves in front of pumps.
12. Spring and fall flushing completed.
13. Completed Hydrant maintenance.
14. Installed new 8" Check valve #3 and #1 HSP at Pump Station.

### **Completed many more tasks as some mentioned in Quarterly Reports**

### **Water main considerations and work to be done in 2016**

1. More backflow awareness, compliance, testing and checks along with compiling information on computer program.
2. Continue on valve turning program and hydrant maintenance.
3. Work with developers and contractors on codes and water issues.
4. Monitor and adjust parameters on SCADA with new booster station and tower.
5. Spring and fall flushing.
6. Water main upgrades, repair and connect small mains into larger ones with valves.
7. Continue to work with contractors and other projects as they pertain to the water treatment and distribution system.
8. Water main projects in the 5 year plan
9. Water looping from Lincoln & 18th SW across to West side of Business 75 by walking trail
10. Extend Hwy. 3 main from 16th Ave to Lake Ave west.

11. Re-route 8 inch main by Mc Donald's to 6<sup>th</sup> Street and 8<sup>th</sup> Ave SW along with new main along Diamond drive to Holton Dr.
12. Loop 1<sup>st</sup> ave to Lincoln SE
13. 9<sup>th</sup> Ave SW across river on south side of Hwy. 3 looping dead end
14. TIF used to replace 8 blocks of main 5<sup>th</sup> Ave SW and NW
15. TIF used to install new main for Crescent Ridge.
16. Bid out maintenance on old tower

**The New Tower is near ing completion , a report will be given separately at a later date.**