

# 2010 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, collections and data entry at City Hall.

Name	years of service		Certificate grade and type
1. Gayle Sitzmann	22 years		Grade IV Treatment / Grade IV Distribution
2. Jim Conley	22 years	26 Total	Grade IV Treatment / Grade IV Distribution
3. Terry Singer	22 years		Grade II Treatment / Grade I Distribution
4. Mike Haverhals	15 years		Grade IV Treatment / Grade IV distribution
5. Roger Weisharr	12 years		Grade III Treatment / Grade II Distribution
6. Rich Sudtelgte	5 year		Grade III Treatment / Grade II Distribution
7. Alice Krienert	10 years		Meter Reader
8. Angie Kneip	3 year		Utility Billing and Collections
9. Christi Kilker	3 year	7 Total	Receptionist, collections and Data Entry

The water department operates the City of LeMars water system.

Which consist of over 74 miles of underground water main, 4284 meters, 1000 private meters, 613 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 shares. Over see Cellular companies at the LeMars 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 LeMars.

### Information of interest

Total water pumped from the 6 wells for the year.....	1,040,538,000 gallons
Total pumped into the distribution system.....	945,872,000 gallons
Total used for backwash .....	93,218,000 gallons
Average daily water pumped.....	2,666,833 gallons

The Backwash use for 2010 was between 9 & 10%

Number of Locates Total .....	1499
Fiber Locates .....	383
Water complaints .....	26
Work order completed at Water Treatment Plant.....	525
Water test done.....	5593
Meter replacements completed.....	50
Private meter sales.....	24
Shut-off and collections .....	430
Water main Breaks fixed .....	8
Fire Hydrants repaired, moved or replaced.....	9
Hours of snow moved in City with 4 pieces of equip...	203
Supplied one operator to Public works approximate hr's	80
Hours Airport manager and Sewer Dept. used back hoe.....	40
Finals and applications done .....	668
Service taps completed.....	13
Service leaks .....	22
Frozen meters .....	3
Call Outs not including leaks.....	48
Collection letters for Water, Sewer, storm and garbage ....	3034
Service call with fee's .....	35

### Review of water pumped monthly

	Ave. Daily Pumped	Monthly pumped	Well Total
<b>2010</b>			
<b>January</b>	<b>2,443,000</b>	<b>65,335,000</b>	<b>76,344,000</b>
<b>February</b>	<b>2,152,000</b>	<b>60,259,000</b>	<b>66,269,000</b>
<b>March</b>	<b>2,770,000</b>	<b>75,423,000</b>	<b>82,908,000</b>
<b>April</b>	<b>2,781,000</b>	<b>83,430,000</b>	<b>89,377,000</b>
<b>May</b>	<b>3,005,000</b>	<b>93,163,000</b>	<b>100,974,000</b>
<b>June</b>	<b>3,074,000</b>	<b>92,218,000</b>	<b>101,555,000</b>
<b>July</b>	<b>3,271,000</b>	<b>101,406,000</b>	<b>108,431,000</b>
<b>August</b>	<b>3,355,000</b>	<b>95,697,000</b>	<b>106,075,000</b>
<b>September</b>	<b>2,672,000</b>	<b>80,174,000</b>	<b>89,384,000</b>
<b>October</b>	<b>2,418,000</b>	<b>74,967,000</b>	<b>81,411,000</b>
<b>November</b>	<b>2,092,000</b>	<b>62,769,000</b>	<b>69,527,000</b>
<b>December</b>	<b>1,969,000</b>	<b>61,031,000</b>	<b>68,328,000</b>
<b>Total</b>	<b>32,002,000</b>	<b>945,872,000</b>	<b>1,040,583,000</b>
<b>Average</b>	<b>2,666,833</b>	<b>78,822,667</b>	<b>86,715,250</b>

**The water treatment plant continues to operating very well. Jim and all the operators do a fantastic job and take pride in the plant. It is maintained and kept clean in a manner the entire city can be proud of.**

### **Projects completed and worked on in 2009**

1. 2680 ft. of 12 " main on Key Ave.
2. 1400 ft. of 12" main on C-38
3. 12" main bore under Floyd River on C-38
4. Bored under RXR and By-Pass on C-38 and connected to Key Ave for looping
5. Valve insertions on 6th Ave for new main job.
6. Removed 2 hydrants and moved to accommodate Hwy.75 North job.
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. Rehabilitate well #9
9. Replaced motor on Well 10
10. Started rehabilitation of well 12
11. Meter maintenance.
12. Replaced 3 fire hydrants and valves.
13. Finished GPS on hydrants valves and curb boxes. (Not all resident boxes found)
14. Spring and fall flushing has been completed.
15. Hydrant maintenance has been completed
16. All required tests and forms are completed and sent to the IDNR
17. Maintenance, logging, mapping, data entry, and requested scenario were completed.
18. Wells and High service pump tests and maintenance completed.
19. 1350 work orders on maintenance at the Water Treatment Plant.
20. Several larger cost maintenance issues at WTP. (Warranty over)



### **Water main considerations and work to be done in 2011 & 2012**

1. Water main projects or in the 5 year plan
2. More backflow awareness, compliance, testing and checks
3. Monitor and set guidelines using codes for irrigation installation.
4. Continue on valve turning program and hydrant maintenance.
5. Water rate study analysis and set goals.
6. Approved work of Water Study for first year.
7. Use methods to reduce backwash gallons and possible chemical use.
8. Updates to HSP station check valves with water study recommendations.
9. Meter maintenance and some Radio read installs. Looking at current reading system and upgrade.
10. Spring and fall flushing.
11. Water main upgrades, repair and connect small mains into larger ones with valves.
12. Continue with updating and creating water maps with new GPS software (Arc View)



