

2009 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	21 years		Grade IV Treatment / Grade IV Distribution
2. Jim Conley	21 years	25 Total	Grade IV Treatment / Grade IV Distribution
3. Terry Singer	21 years		Grade II Treatment /Grade I Distribution
4. Mike Haverhals	14 years		Grade IV Treatment / Grade IV distribution
5. Roger Weisharr	11 years		Grade III Treatment / Grade II Distribution
6. Rich Sudtelgte	4 year		Grade II Treatment / Grade II Distribution
7. Alice Krienert	9 years		Meter Reader
8. Angie Kneip	2 year		Utility Billing and Collections
9. Christi Kilker	2 year	6 Total	Receptionist, collections and Data Entry

The water department operates the City of LeMars water system. Which consist of over 72 miles of underground water main, 4269 meters, 1000 private meters, 609 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.....	1,009,766,500 gallons
Total pumped into the distribution system.....	936,542,000 gallons
Total used for backwash	88,235,000 gallons
Average daily water pumped.....	2,587,750 gallons

Annual flushing was 4 Million; new main and well flushing was 4 Million. This and all other City facilities, hydrant meter sales, contractors, leaks and street use accounts for 5% of the water pumped. Over 15 Million gallons of water were used at City facilities or 6 days of pumping capacity.

Number of Locates Total	1444
Fiber Locates	390
Water complaints	49
Work order completed at Water Treatment Plant.....	1348
Water test done.....	5382
Meter replacements completed.....	118
Private meter sales.....	22
Shut-off and collections	430
Water main Breaks fixed	4
Fire Hydrants repaired, moved or replaced.....	12
Hours of snow moved in City with 4 pieces of equip...	260
Supplied one operator to Public works approximate hr's	100
Hours Airport manager and Sewer Dept. used back hoe.....	80
Finals and applications done	746
Service taps completed.....	9
Service leaks	21
Frozen meters	1
Call Outs not including leaks.....	49
Collection letters for Water, Sewer, storm and garbage	2801
Service call with fee's	55

Review of water pumped monthly

	Average Daily Gallons	Monthly Gallons
2009		
January	1,968,000	61,001,000
February	2,287,000	64,033,000
March	2,355,000	72,997,000
April	2,440,000	73,195,000
May	2,727,000	84,525,000
June	3,134,000	94,033,000
July	2,995,000	92,835,000
August	3,040,000	94,226,000
September	2,863,000	85,897,000
October	2,400,000	74,411,000
November	2,075,000	62,236,000
December	1,957,000	60,662,000
Daily Average	2,587,750	
TOTAL		936,542,000

The difference in gallons per day is 45,523 gallons more in 2009 than in 2008 out into the system. It was 307,000 gallons per day less in 2008 from year 2007.

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. 5000 ft. of 12 in. water main along old Hwy. 75
2. 4000 ft of 10" on Madison Ave
3. 12" main bore under Floyd River west of 75
4. 800 Ft. 12" loop on 7th Ave. Happy Trails to 18th St.
5. 500 ft of 6" main along Yager Drive to behind Senior Center.
6. Lowered 8" main on 6th Ave & Hwy. 3 NE.
7. Removed 3 hydrants and moved to accommodate storm sewer job.
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 #7.
10. Meter maintenance.
11. Replaced 7 fire hydrants and valves.
12. GPS on hydrants valves and curb boxes. (Not all resident boxes found) started in the SE part of town done in other 3 quadrants.
13. Spring and fall flushing has been completed.
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. 1348 work orders on maintenance at the Water Treatment Plant.
19. Several larger cost maintenance issues at WTP.



Water main considerations and work to be done in 2010 & 2011

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. **(Council update)**
4. Continue on valve turning program and hydrant maintenance.
5. Water rate study
6. Approved part of 5 year plan
7. Meter maintenance and some Radio read installs. Looking at current reading system and upgrade possibilities.
8. Spring and fall flushing.
9. Water main upgrades, repair and connect small mains into larger ones with valves.

