

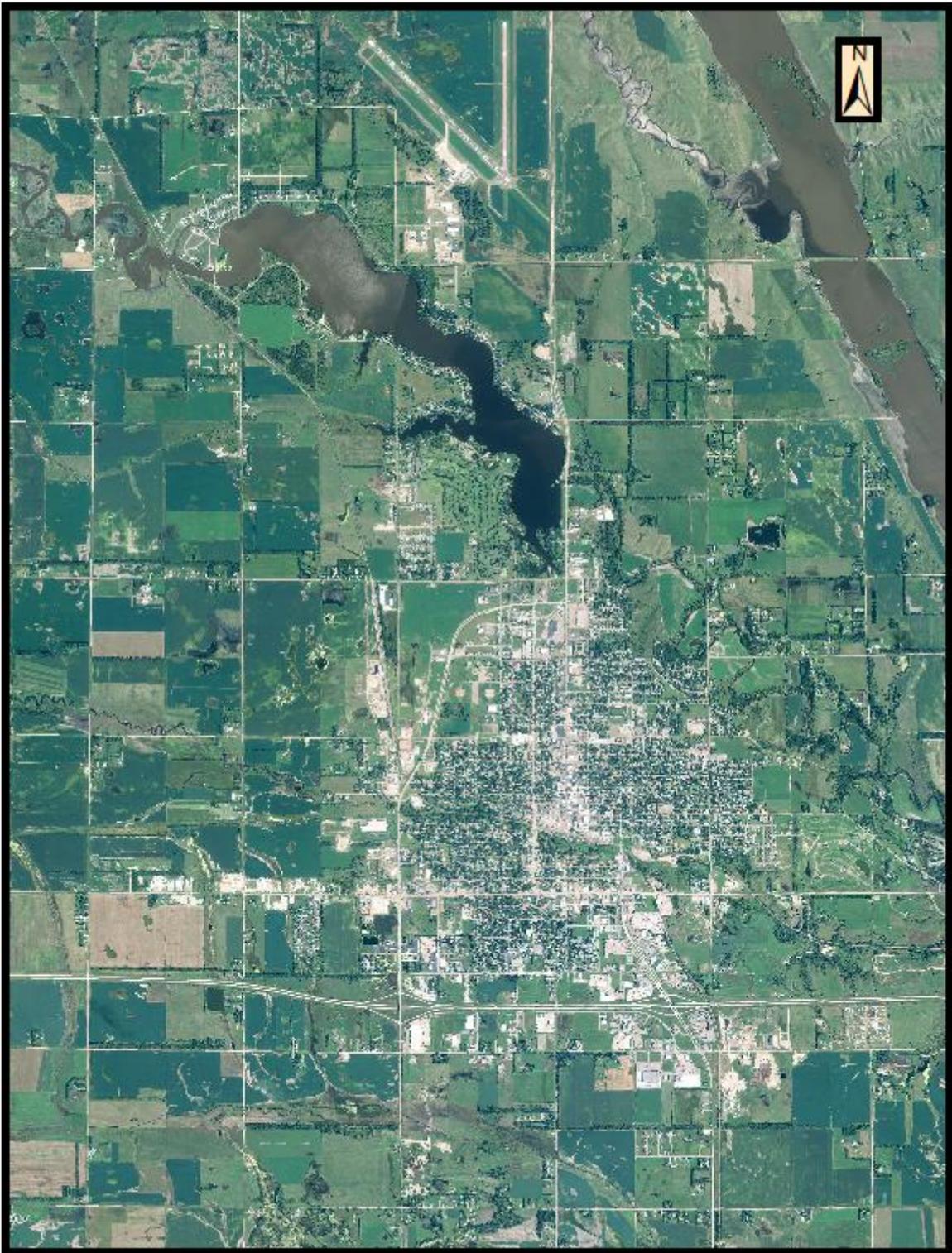
**2014
YEAR END REPORT
CITY OF MITCHELL
DEPARTMENT OF PUBLIC WORKS**



**North Sanborn 7th to 9th Avenue
Water Main, Storm and Concrete Panel Improvements**

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Aerial View of the City of Mitchell

City of Mitchell Public Works

The Public Works Department is dedicated to enhancing the quality of life in the City of Mitchell by providing the highest quality of public works services, facilities and infrastructure to meet the needs of the community.

After serving 23 years as Public Works Director Tim McGannon retired in December of 2013. Shane Crowe was hired in September of 2014 as the new Public Works Director.

Cathy Krall is the Public Works Administrative Assistant. She has many tasks that she does along with payroll and payment entries to the finance office including assisting other staff with many duties.

2014 Public Works Projects

The following projects were let to bid and/or completed (in-house), some of these projects are completed and some still under construction.

VFW Building Demolition

Vanderpol Dragline was awarded the bid to demo the VFW building on Main Street just North of 1st Avenue. The building was connected to the Longhorn Bar which was demolished last year and had common wall issues and public health and safety concerns and was proposed as a future site of City Hall.



Garden of Eden Building Demo

Ironman Construction was awarded the bid for demolition of the existing Garden of Eden building. It had Public Health and Safety issues along with asbestos that needed to be removed prior to the demolition. It was also an effort to clean up the Downtown District.



Concrete panel Repair

Sanborn Panel repair was done in conjunction with the replacement of water main from 7th to 9th Avenue and Storm Sewer Improvements at 9th and Sanborn. 13,030 S.F. of Concrete Panel Repair was removed and replaced. The Public Works Department has had long term issues with the water main in this area due to old cast iron pipe and the condition of the pipe let to water main breaks for many years.



400-600 Blocks of West 2nd Avenue

This section of street had straight face curb with rough asphalt surface and aging Water and Sanitary Sewer. The Street Department removed existing asphalt paving, curb and gutter and portions of sidewalk for the rebuilding of West 2nd from Sanborn to Minnesota. Thorstad Companies was awarded the bid to replace Water, Sanitary and Storm Sewer. Rexwinkle Concrete installed concrete curb and gutter, portions of sidewalk, new handicap ramps and concrete approach pavement and Commercial Asphalt paved the street with new asphalt.



Lake Mitchell Shoreline Concrete Mat Shoreline Project

Vanderpol Dragline was awarded the bid to use concrete mats built by Cretex to stabilize the shoreline just north of the spillway. The concrete mat replaces falling gabion rock baskets that were falling into Lake Mitchell. SPN and Associates designed and observed the construction of this project.



Avera / City of Mitchell Storm Sewer Improvements

Avera Queen of Peace Hospital and City of Mitchell partnered up in a EPA grant to make some major improvements to the storm sewer on Hunter, 6th and 7th Avenue. Larger storm sewer and the construction of a retention pond which is located just east of 7th and Foster was installed for this project to help relieve flooding issues for the hospital on larger rain events. SPN designed and conducted construction observation and the general contractor was Menning Backhoe.



Worlds Only Corn Palace building Renovation

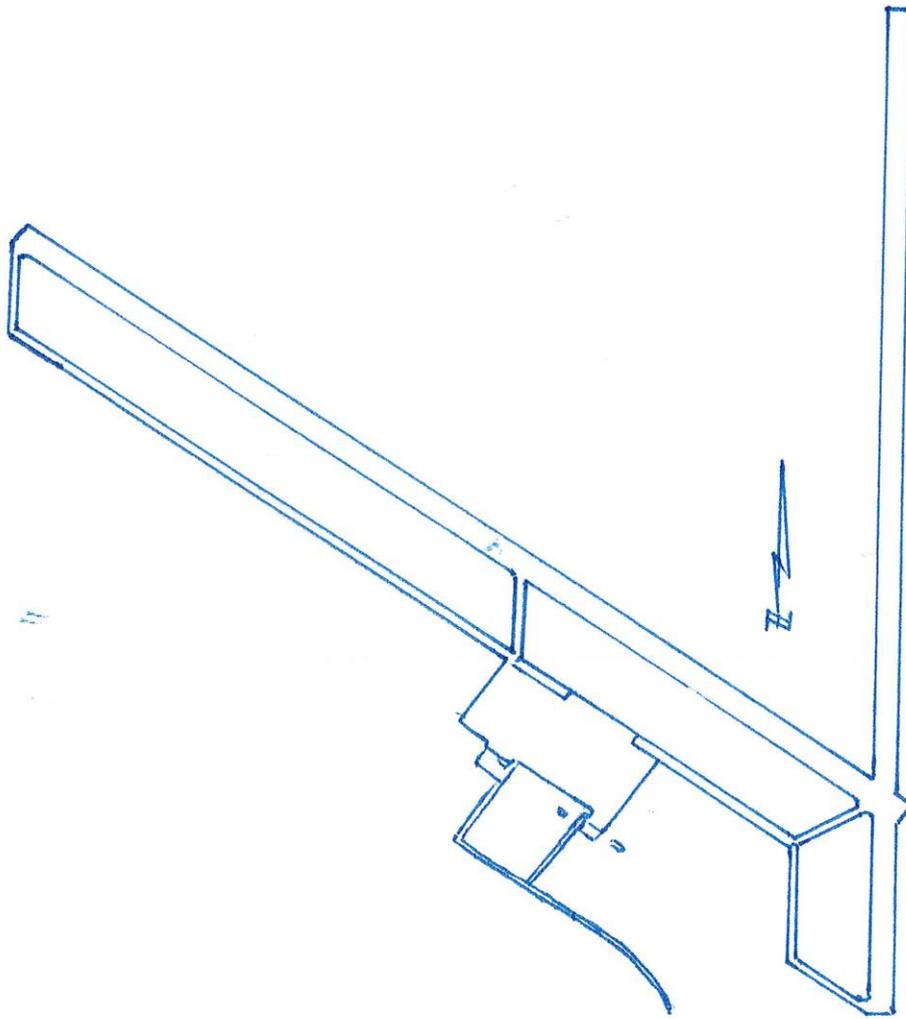
Public Works Department has been working with the Architect, Contractor, Corn Palace Building Committee and City Staff with the Corn Palace Renovation project. This project includes a major renovation to the lobby on 1st and 2nd floor, new led lighting in the lobby, elevator, balcony, additional restrooms, new box office, front sign and new Corn Palace Domes.



MITCHELL AIRPORT BOARD

CITY OF MITCHELL

MITCHELL, SOUTH DAKOTA 57301



Mitchell Airport
2014 Annual Report

The Mitchell Airport continues to play an important role in transportation and the General Aviation community. Airports are not just about airplanes, they are about commerce. Our goal is to provide modern aviation facilities and safe operations in a fiscally responsible manner while providing a variety of services including flight training, aircraft maintenance, emergency medical air support and more.

Throughout the year, general airport maintenance items continue to be performed by the airport manager. This includes turf maintenance, runway /lighting inspections-repairs, fencing, tree trimming, snow removal, runway advisories, equip maintenance and wildlife management. During the winter months, snow removal is completed by the airport manager and one part time plow operator from the waste water division. Snow removal operations continue to be the most challenging operation for the airport. The majority of equipment repairs and updates are completed at the airport as well. The airport manager also prepares board meeting agendas/minutes, monthly financial, and annual reports. Wright Brothers Aviation continues to maintain FBO facilities and perform a wide range of aviation services.

In 2014 all crop and pasture ground leases expired and were advertised for the next lease cycle. A change was adopted allowing an optional 3-year extension to approved leases. This will allow operators to re-seed alfalfa plots as required. Lease rates on the 882.75 acres of agricultural ground for the next lease cycle will be \$191.10 per acre. The 20 acre pasture ground will be \$52.65 per acre.

The airport hosted the 4th semiannual Air Venture Cup race launch in 2014. This event continues to interest many and is still free to the public. The event may have been considered somewhat hampered by severe weather on launch day. We also hosted the EA Young Eagles program. Through this program the airport provided 126 free airplane rides to youth. The event also sponsored Key note speaker Mark Baker, president of the AOPA (Aircraft Owners and Pilots Association).

The Mitchell Airport continues to operate under GA (General Aviation) status. The airport receives a significant amount of Federal and State improvement funding. The airport is home to 28 based aircraft with 24 hangers.

2014 AIP projects included the acquisition of an SRE tractor . The New Holland tractor was delivered in August. Other projects scheduled under State DOT and FAA authority were bid late in the year and rescheduled to be completed in the spring of 2015. This includes the proposed updates to runway 17-35 and crack-seal work on taxiways A & C.

The proposed 2015 (CIP/AIP) projects include milling and re-surfacing of Hanger road, and 2 airport parking lots. Additionally local airport funding has been approved for the placement of asphalt around SRE building #2. Please see -PAGE 4, (5-YEAR CIP).

Airport operations for the year remained consistent. Hunting activity was very close to 2013 total operations. The number of people and aircraft counted are daytime operations. It has been noted that many operations continue after hours during the height of hunting activity. -PAGE 5, (Operations Detail).

-----The vision and mission of the Mitchell Airport remains -----

***To provide a "Gate Way" for business to Mitchell and surrounding areas , while furnishing an essential tool for economic development.

***To provide safe operations , unmatched service and modern aviation facilities in the most financial prudent manners.

***To be a regional leader operating as a "General Aviation" Airport.

Mitchell Airport Financial Report

Total Revenue for the Airport 2014:

Crop and Pasture Ground Leases:	\$123,000.00
Hanger lot Leases @.10 sq. ft.	\$ 10,330.46
Fuel Flow Charges	\$ 2,489.52
Total	<u>\$135,819.98</u>

Total Operational Expenses 2014:

Full and part time Salaries	\$ 52,207.35
Airport Oasi	\$ 3,597.36
Retirement	\$ 3,121.86
Group (Health Insurance)	\$ 11,245.27
Airport Liability Insurance	\$ 15,280.00
General Maintenance & Utilities	\$ 38,977.46

Total \$124,429.30

Revenue Generated balance:

Total \$ 11,390.68

2014 John Deere X310 Lawn Tractor

Total \$ -4,000.00

-Semi-annual Air Venture Cup Race Launch Total \$2,000.50

-South Dakota Department of Transportation Grant \$2,000.50

-SRE New Holland TV-6070Tractor-

-Team co 8600A Snow Blower - Invoice Total \$132,268.00

Grant Total \$125,654.46

-City 5% Local Share Paid with Aviation Fuel Tax Fund \$ 6,613.40

MITCHELL MUNICIPAL AIRPORT
2015 CAPITAL IMPROVEMENT PLAN
NOVEMBER, 2014

PROJECT TO BE VALIDATED

YEAR	PROJECT DESCRIPTION	ESTIMATED COST
2015	MILL AND OVERLAY PARKING LOTS AND ACCESS ROAD	\$ 145,000.00
	PAVEMENT MAINTENANCE (ROUTE AND SEAL - TAXIWAY A AND C)	\$ 30,000.00
	TOTAL	\$ 175,000.00

CAPITAL IMPROVEMENT PLAN

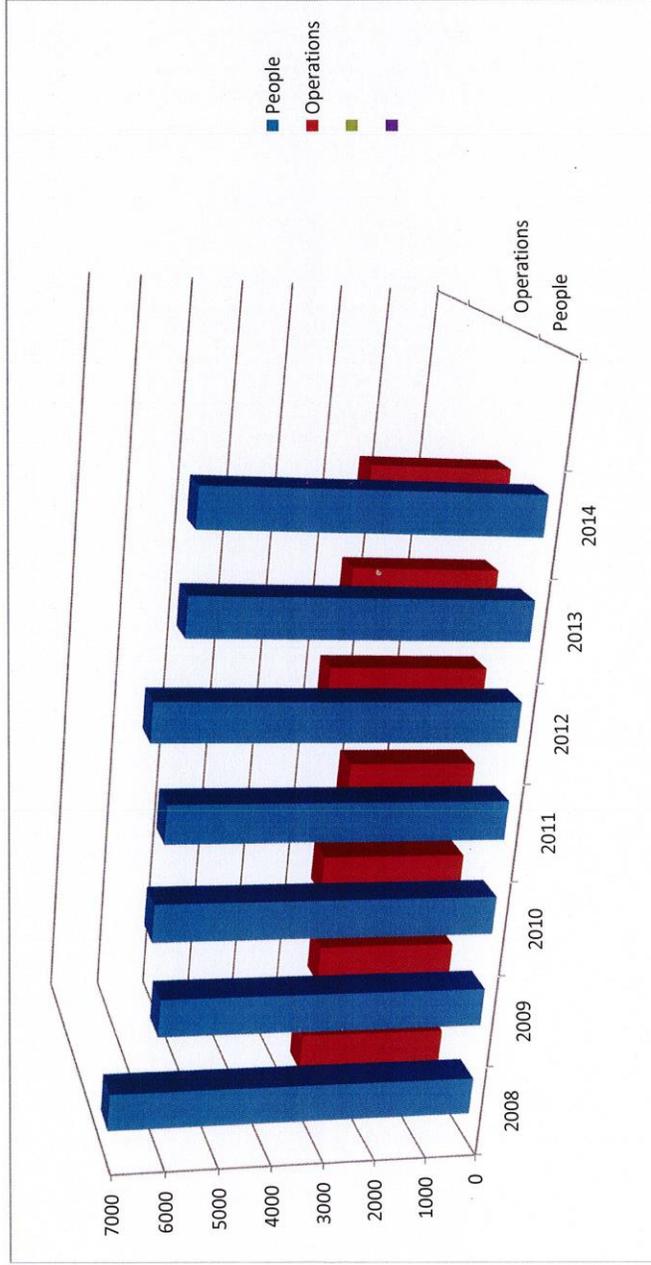
2016	APRON REHABILITATION (SELECT PANEL REPLACEMENT)	\$ 150,000.00
	TOTAL	\$ 150,000.00
2017	HAZARDOUS WILDLIFE ASSESSMENT	\$ 50,000.00
	REMOVE WILDLIFE HAZARD ATTRACTANTS (TREES)	\$ 100,000.00
	PAVEMENT MAINTENANCE (ROUTE AND SEAL HANGAR TAXILANES)	\$ 50,000.00
	TOTAL	\$ 200,000.00
2018	HANGAR TAXILANE REHABILITATION	\$ 250,000.00
	TOTAL	\$ 250,000.00
2019-2020 NPIAS	RUNWAY 17/35 REHABILITATION AND LIGHTING	\$ 6,000,000.00
	TOTAL	\$ 6,000,000.00
2021-2025 NPIAS	RUNWAY 17/35 PARALLEL TAXIWAY	\$ 1,500,000.00
	CONSTRUCT MIDFIELD TAXIWAY	\$ 750,000.00
	REPLACE SRE	\$ 700,000.00
	RUNWAY 12/30 PARALLEL TAXIWAY	\$ 500,000.00
	BLOWER FOR SRE TRUCK	\$ 100,000.00
	TOTAL	\$ 3,550,000.00

	<u>2011</u>		<u>2012</u>		<u>2013</u>	
	People	Operations	People	Operations	People	Operations
January	213	97	355	213	273	172
February	296	156	287	208	239	163
March	261	143	376	260	286	227
April	276	142	284	184	305	155
May	330	161	283	147	273	199
June	383	171	334	205	577	238
July	374	207	704	373	497	241
August	596	295	596	301	467	298
September	398	206	522	285	486	326
October	1501	339	1442	372	1355	316
November	1084	295	1078	286	967	291
December	598	230	416	184	481	146
TOTAL	6310	2442	6677	3018	6206	2772
	526	204	556	252	517	231
	17	7	18	8		

For state & federal formula calculations multiply by 2

Airport Operations

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
People	8566	8738	8946	8673	8271	7926	6987	6175	6405	6310	6677	6206	6160
Operation	3536	3731	3942	3522	3341	2914	2866	2681	2783	2442	3018	2772	2628



Planning Department Report

City Planning Commission

Jay Larson – President

Bernie Schmucker

Bob everson

Larry Griffith

Craig Fergen

Doug Molumby

Don Meyers

Randy Doescher – Ex. Offcio

City Planner Neil Putnam

CITY OF MITCHELL

PLANNING COMMISSION SUMMARY OF ACTIVITIES

	2013	2014
PLATS	27	26
COND USES	16	15
VARIANCES	13	18
REZONING	4	10
AMENDMENTS	1	1
ANNEXATION	0	0
VACATIONS	0	0
TIF DISTRICTS	2	0

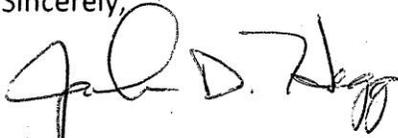
Date: January 13, 2015

To: Mayor and City Council

Re: Building Permits Issued in 2014

<u>TYPE OF BUILDING</u>	<u>NUMBER</u>	<u>VALUATION</u>	<u>PERMIT FEE</u>
New Residential	17	\$2,502,411.00	\$9,358.00
City Buildings	2	\$8,500.00	n/c
Duplexes	4	\$701,190.00	\$2,502.00
New Commercial	9	\$27,405,480.00	\$65,246.00
Residential Additions	34	\$672,960.00	\$4,287.50
Garages/Sheds	68	\$1,412,545.00	\$8,770.00
Commercial Additions	19	\$3,425,521.00	\$15,214.50
Demolitions	9		n/c
TOTALS	162	\$36,128,607.00	\$105,378.00

Sincerely,



John D. Hegg
Building Official

Date: January 8, 2014

To: Mayor and City Council

Re: Building Permits Issued in 2013

<u>TYPE OF BUILDING</u>	<u>NUMBER</u>	<u>VALUATION</u>	<u>PERMIT FEE</u>
New Residential	25	\$4,104,418.48	\$14,801.00
City Buildings	3	\$5,086,543.00	n/c
Duplexes	3	\$544,845.00	\$1,931.00
Towers	-	-	-
New Commercial	23	\$19,076,807.30	\$56,755.00
Residential Additions	30	\$517,682.00	\$3,171.50
Garages/Sheds	62	\$851,631.00	\$6,217.00
Commercial Additions	16	\$1,817,680.00	\$9,398.00
Demolitions	7		n/c
TOTALS	<u>169</u>	<u>\$31,999,336.30</u>	<u>\$92,273.50</u>

Sincerely,



John D. Hegg
Building Official

To Mayor and City Council
2014 Building Permits Report/Inspection

The 2014 Building season remained strong. Again the City eclipsed a new all-time high for fee income and construction valuation, in the City of Mitchell.

Total valuation of building permits issued in 2014 was: \$36,128,607, with \$105,378 in fee income, compared to valuation of \$31,999,336, and \$92,273 in fee income for 2013.

Some of the larger projects in 2014 were: The Avera Grassland Clinic, and DWU Health and Wellness Center, and various mercantile malls. The City also had several multi-family dwellings completed that were started in the 3rd and 4th quarters of 2013.

The adoption and implementation of a new code was also undertaken this year. The 2012 International code series was adopted and reviewed in conjunction with the Public Works Director, Fire Marshal, City Attorney, and the Building Official.

Much of the time issuing building permits revolves around preliminary work with contractors and building professionals, such as architects, engineers, and developers. Questions on building code and zoning are researched and answered at this time.

This year was unique in having numerous multi-level buildings erected. Code reviews become more involved due to many variations of firewalls, sprinklers, multi-stories, and elevators.

Other areas reviewed are: erosion control measures, drainage, flood ordinance compliance, and correspondence. Following application, review, and a permit being issued, the inspection process begins. Inspection will generally include footing, framing and a final inspection. Some other items considered within code standards are: construction type, allowable area, fire separations, occupancy classifications, exiting, accessibility, and if engineering and architectural services are required.

Flood plain management continued to be constant with Letter of Map Revisions or Letter of Map Amendments, according to FEMA guidelines. These are often due to requirements put forth by the financing institutions.

Respectfully,

John D. Hegg
City Bldg. Official



2014 Year End Report

The office of Code Enforcement was created to assist in the administration of and enforcement of City ordinances as related to public health and safety by performing the following duties:

1. Responds to complaints, investigates and enforces City ordinances regarding occupancy, public nuisance, zoning and land use regulation.
2. Inspects premises to verify type of business.
3. Detects and advises property owners of violations of code, provisions, issues citations and explains violations in written and verbal form.
4. Maintains inspections files and records, writes reports, chronologies citations, narratives and daily statistical logs.
5. Testifies in court on behalf of the city.
6. Proactive and reactive in the investigations of policy violations.
7. Enforce, interpret and apply municipal and state codes and ordinances, including nuisance abatement.
8. Refer violations to the appropriate board and follows up on recommendations.
9. Any other duties that may be assigned by the Public Works Director and the City.

In October I attended the South Dakota Municipal League meetings and training in Spearfish.

COMPLAINTS

A total of 56 complaints were issued during 2014, this is down 14 from 2013. These were in the form of written certified letters sent out to the landowner.

Door Hangars are still used for some nuisance properties in order to save on postage. If a nuisance property is found, the door hangar is filled out and left at the property with a date for re-inspection. If on the date of re-inspection the issue had not been resolved, a certified letter is then sent to the land owner. If at that point it is not resolved, then legal action commences. I was able to use the door hangar for mowing violations also. By leaving the door hangars, 37% compliance was achieved in the mowing. Other complaints ranged from overgrown vegetation (other than lawn mowing), unlicensed and/or inoperable vehicles and junk in yards.







MOWING

If I found a property or received a complaint on a property with overgrown vegetation, I left a door hanger notifying the resident of the violation. I then checked the property on the next business day to see if it was taken care of. If it had not been taken care of, I photograph the property and then call for a contractor to mow it. Throughout the warm weather months, the office of Code Enforcement handed out 300 door hanger notices on different properties throughout the city and hired contractors to mow 55 times. This resulted in billing out of \$7160.58 to property owners. The City of Mitchell has collected \$2,739.80.





SNOW REMOVAL

2014 was an average winter. When there was snow removal work to be done, it was completed by Code Enforcement Officer. The office of Code Enforcement office handed out 422 door hangers to properties throughout the city and had to remove snow 105 times from sidewalks on private property. This resulted in billing out of \$11,218.75 to property owners. The City of Mitchell has collected \$7,076.75. There was also some snow removal required on City owned property that was done by the Code Enforcement office.





TIPS HOTLINE

A Nuisance TIPS hotline is still in use. People can call 990-CODE (2633) and leave a message of nuisance issues. The message is then sent to my email so that I can follow up on it.

CASES

I am continuing to work with the City Attorney's office on a residential property at 205 N. Duff that has been considered a nuisance since 2003. The property had a fire in it in April of 2002.

The house at 822 E. 6th was razed and removed by city employees

The house at 323 S. Duff was razed and removed by city employees

The garage at 723 W. 5th was razed and removed by the city employees

I have continued to work with the owners of a trailer court on east Birch. The new owner has begun to remove the older trailers or repair them so that they can be used again. I continue to keep in contact with the owners in order to keep up with the progress

2014 Year End Report from the Engineer's Office

The Engineering Department was busy this year. This is a summary of what the Engineering Department was involved with this year. The Engineering Department works very close with many departments and other entities to get work done. The Engineering Staff works on different types of projects and at different levels. We are involved in prelim design, design, construction inspection, bidding, pay estimates, maintenance, GIS, mapping, code enforcement on sidewalks, roadway maintenance planning and many other duties too numerous to mention.

GIS Mapping and Database: The Engineering Department continues to GPS and add more information to their GIS Database. Different applications have been created are:

- Chip Seal Maps and Paving Maps
- Locating property corners to build a parcel layer and working with database provided from the county.
- Parcel Layer showing property lines and parcel database from the county will be used in the parcel layer, County Register of Deeds provided the city with all the parcels to build an accurate database.
- Sidewalk and Hazard Sidewalk – locating hazardous sidewalk due to holes, heave or falling apart, locate, address and take pictures.
- Hazardous or Overlay Curb – Locating Curb that needs to be repaired due to heaving, holding water
- Sign and Light Pole - locating existing signs to meet new MUTCD Sign standards. Also locating existing street light locations.
- ADA Ramp Inventory – Completed the location of all existing ramps in town and identified which areas need ramps. Such info that was collected was location of ramps, direction of ramp, slope of ramp, slope of landing, curb opening, identified if it had a detectable warning panel and photos of all the ramps.
- Address locating
- Exhibits
- Utility Mapping – locating of Water, Sewer and Storm Sewer Structures and locating of New Construction Services. This data is imported to map and information is imputed as far as depth, year, hydrant type, pipe size and pipe type.

This information is very helpful for different applications used in public works and contractors that call in and question a utility line and depth we can find out by pulling up the information on our GIS mapping system.

This system will be used for many things including inventory, locating structures in the field when they are buried.

Corey Beyer – Engineering Technician completed adding parcels of the city in GIS. This process consists of drawing in all the lots, blocks and subdivisions and then concerting to parcels.

Deb Hanson Sudbeck is the Engineering Administrative Assistant. She prepares all pay estimates for all projects that the city is involved in along with submitting paperwork and filing of documents for the many projects the city is involved in. Along with that she prepared bid documents for all city projects along with other items that need to be bid. Deb made 332 sets of bidding documents for contractors or suppliers for bidding. She also is involved with contract documents, change orders, engineering agreements, financial info, city council agenda items from Public Works and many other items.

Pay Estimates for completed project during 2014:

From Project Year 2010 totaled	\$ 11,041.00
From Project Year 2011 totaled	\$ 3,041.16
From Project Year 2012 totaled	\$ 929,921.73
From Project Year 2013 totaled	\$ 4,500,586.47
From Project Year 2014 totaled	\$ 2,910,673.78

Total of Pay Estimates prepared and submitted to
City Council Meetings totaled \$ 8,355,264.14

Curb Replacement: The Engineering Department inspected all curb along the streets that were overlaid this year. Due to replacing water valves, hydrants, hazardous curb and misc. areas around town the city removed a majority of the curb and the contractor replaced a lot of curb. The Engineering staff goes around and locates curb to be removed, marks the location and Corey Beyer and Kevin Roth saw-cuts the area to be removed. The Engineering Staff (Corey Beyer and Kevin Roth coordinate and inspect with the removal and replacement of the curb and gutter replacement.

This project had trees that had to be grinded or removed because they were the reason for the curb removal and replacement. The Park Department assisted in Grinding and Tree Removal along with cutting and digging of roots from the contractor.

Water Department and the Street Department removed a majority of the curb and was hauled out to the Street Shop. A total of 6961 L.F. of curb was installed.

Overlay: The following map indicates which areas were chip sealed and which ones were overlaid/rebuilt. The Engineer's Office prepared a bid, inspected and prepared Pay Estimates. 4192 Tons of Asphalt on Overlays Streets, TIF Paving – 509 Tons Asphalt.

6961 L.F. - Curb was replaced for Hazardous and Overlay Curb
1764 S.F. - 6" Reinforced Fillet Sections
222 S.F. - Valley Gutters 6" Reinforced Concrete
17478 - S.F. of 4" Concrete Approach Pavement and sidewalk repair for Street Projects
3569 - 6" Concrete Approach and Sidewalk repair for Street Projects

Proposed Sidewalk Projects: This Sidewalk Committee decided to create a safe place for people to walk, run, bike or people that need the use of a wheelchair decided on areas in town for the need for sidewalk.

The proposed sidewalk section consisted of Williams from Edgerton to University, Mitchell Blvd from University to Minnesota, Kynette from Minnesota to Miller, Hurst from Miller to Edgerton

Assessment Sidewalk 4" = 13986 S.F.
4" City Walk = 10157 S.F.
Replace Curb = 565 L.F.
Replace 6" Conc. or VG = 2160 S.F.



New Sidewalk on Williams Avenue

TIF Projects

North Montana was the TIF Project from 6th to 8th Avenue

Curb – 790 L.F.

Walk – 4922 S.F.

6" Walk – 638 S.F.

6" Valley Gutter – 793 S.F.

Fillets – 262 S.F.

Special Assessment Street Projects

East 1st Curb from Marshall to Tiger and the Mueller Development on West Norway

Curb – 3522 S.F.

Walk – 3310

Fillets – 340

Valley Gutter – 160



East 1st Curb and Gutter

Sanborn Boulevard Panel Repair: Sanborn Panel repair was done in conjunction with the replacement of water main from 7th to 9th Avenue and Storm Sewer Improvements at 9th and Sanborn. 13,030 S.F. of Concrete Panel Repair was removed and replaced. The Public Works Department has had long term issues with the water main in this area due to old cast iron pipe and the condition of the pipe let to water main breaks for many years.

Hazardous Sidewalk: Every year the city inspects and sends out letters to property owners to fix any sidewalk that is heaved, multi cracks, holes or falling apart to create a hazardous situation. The Engineer's Office inspects, marks the area, sends notice to homeowner and declares the area hazardous at city council. If the property owner doesn't fix the hazardous sidewalk then the city will have it fixed. This year the contractor that was awarded the work thru the bid process was Cowell Concrete.

Assessment 4" Conc. = 17,282 S.F.

Assessment 6" Conc. = 1209 S.F.

Sidewalk City = 10246 S.F.



Water Projects:

4" Concrete = 457 S.F.

Wastewater/Storm Projects:

Replace Curb = 207 L.F.

4" Concrete = 900 S.F.

2014 Year End Report
Corey Beyer
Engineering Technician

The year started out drawing in Parcels in GIS within the city limits. The project was completed in April and sent the data off to Planning and Development District III so they could link this data to the County Assessor's property information. This process consists of drawing in all the city lots, blocks and subdivisions and then creating the parcels. While working on the parcels, the department also was working on popping sanitary manholes and measuring depths for the City's GIS map. The design of the sanitary sewer manhole was followed by the storm sewer manhole design. The next project was to finish the topo survey of Lake Mitchell. Sonar equipment from Frontier Precision was rented to allow a grid to be shot with depth shots roughly 20-25 feet apart throughout the whole lake from a boat.

In the spring several projects were started including a topo survey for future projects like West Railroad Avenue and the 200-400 block of North Rowley was conducted. Inspection on the Sanborn water main project which was new water and services in the 700-900 block of North Sanborn. Modifications were made to improve the storm sewer at the intersection of 9th and Sanborn. The design for hazard curb and gutter for streets receiving an overlay this year also started in the spring. This process consists of marking, cutting, and removing the bad curb and gutter, then coordinating with the concrete contractor to pour-in-place the new curb and gutter. The overlay list included roughly 30 Blocks including our new construction projects. Throughout the summer period inspections on the sidewalk projects and answer was conducted and also meetings with the contractor took place to answer questions or to resolve project issues.

The new construction and utility replacement projects were 10th from Main to Lawler, 2nd from Minnesota to Sanborn and Arrowhead Pass just off of North Ohlman. 10th Street consisted of new sanitary sewer, new water main and all services. There was also new storm sewer installed at the intersection of 10th and Lawler and new curb and gutter, some sidewalk and new pavement. 2nd street consisted of all new storm, sanitary, water and all services. Also new curb and gutter and pavement. The Arrowhead project added new storm sewer and new pavement for the north half of the street. The 700 block of North Iowa was also a new construction project. Another project included staking for the base and curb & gutter and inspected the new pavement for the 600-700 blocks of North Iowa. The water department installed a new 8" irrigation line for the cemetery which was staked and also helped with some of the install. The last project of the year was the 1300-1800 block of east 1st street curb and gutter which was staked and inspected.

Some of the miscellaneous jobs throughout the year include: mapping and GPS of all the new sewer and water infrastructure dug in which includes private infrastructure, helping with locating existing utilities, and using the GPS to shoot topo to aid with future project designs (like the fire station alley, golf course parking lot, airport parking lot and the force main replacement project).



Street & Sanitation Division 2014 - Annual Report

The winter of 2013- 2014 was a bitter cold winter but one with only one snow event where the city declared an emergency and did any ticketing or towing. There were several small events during the winter that the street department applied salt and did some plowing but did not declare a snow emergency. The last day the street department was out plowing and/or sanding in the spring was April 1st 2014.

The Street Division began the construction season working on Sanborn Street for a water main replacement project. That project began on April 14th by removing the outside lane of concrete from 7th Avenue north to 9th Avenue. After the concrete was removed the water department began the process of installing a new water main. Some storm sewer improvements were also made at the intersection of 9th & Sanborn.

The other construction projects that the Street Division was involved with included: demolition and reconstruction of 400 – 600 blocks of West 2nd Avenue, demolition and reconstruction of 100 block of East 10th Avenue, and the construction of the 700 block of North Montana. Approximately 1300 feet of East 1st Avenue was widened and curb & gutter was installed east of Taylor Street to Tiger Street.

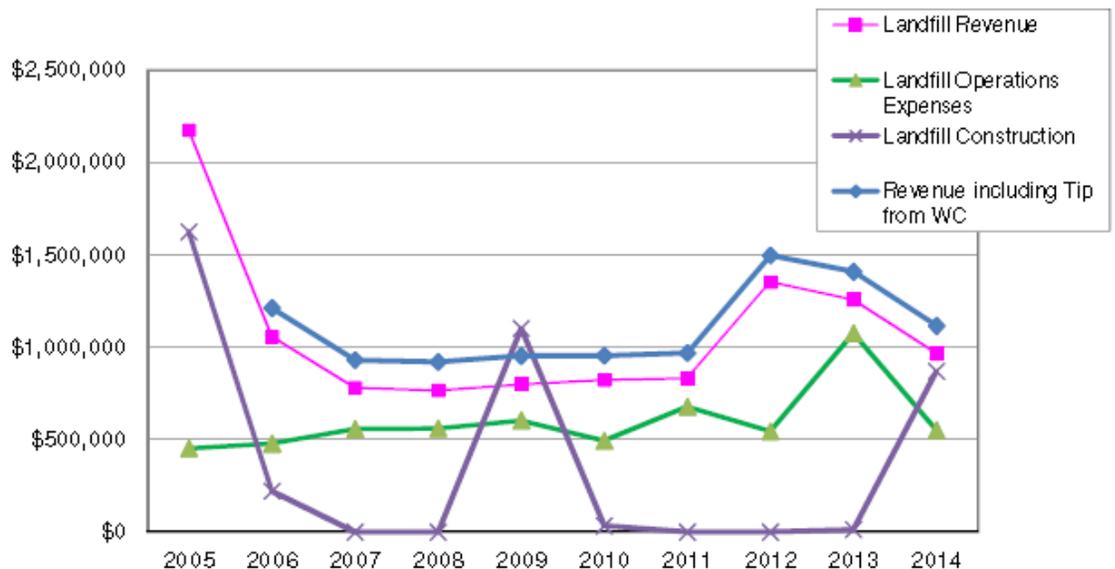
The Street Division also began two other street projects in late fall but were not completed. Those were assessment projects for the extension of Pheasant Street and 21st Avenue. Gravel base has been placed on these streets and they are waiting the pouring of curb & gutter.

One of the most important maintenance functions the street division works on each summer is preparing for and placing chip seals on streets around town. A great deal of work and time goes into preparation of the streets prior to chip sealing. In preparation of those streets for the 2014 chip sealing project, 1,027 ton of hot mix was laid in patches and 53,769 pounds of rubberized crack sealer material was poured into cracks.

Approximately 306 ton of liquid asphalt and 2,900 ton of crushed rock were applied to the chip seal streets at a cost of approximately \$209,000. The annual chip seal project was performed on approximately 169 blocks of street in 2014. The chip sealing is done in late July and early August every year.

The Mitchell Regional Landfill's revenue returned to a more "normal" range in 2014 for the first time since the hail storm that hit the city in May of 2012. When the 2014 revenue is compared to a pre-hail storm annual revenue, it appears our annual revenue is still up by over \$130,000 since 2011. It is hard to predict whether or not the revenue will continue to fall in 2015 or level off. I would think that most roof repairs would have been completed prior to 2014. Landfill revenue is purely based on the amount of waste that comes across the landfill scale.

Landfill Revenue & Expenses



The largest expense of a landfill is when new construction takes place. The landfill expanded in 2014 by constructing cell #3. This cell has an estimated life of 6 ½ years. That new space coupled with what remains in cell #2 should get the city just over 8 years before cell #4 needs to be available for garbage. Each new cell from this point forward will have a longer life expectancy. The extreme "peaks" in the above chart represents the construction of the three landfill cells that have been built up to this point in time. You will notice that the length of time between projects has increased for the construction of new cells. At this writing the estimated life expectancy of the remainder of the space in cells 1 – 3 is 8.4 years. With the current waste volume that is coming into the landfill, construction of cell #4 likely will not have to occur until the year 2022. It takes nearly one complete construction season to excavate a new cell and get it ready for waste.

The landfill revenue, with a tip fee from waste collection added, amounted to \$1.12 million for 2014. The landfill operations expenses, plus the construction costs totaled \$1.42 million. Of that \$1.42 million, the landfill spent over \$870,000 on construction of cell #3. The Sanitation Fund had been setting aside

cash in anticipation of those construction costs and was able to pay for the expansion with its cash reserves.

If you compare just the Landfill operational expenses with the landfill revenue for 2014 you see a profit margin of over \$400,000 (with a tip fee from the city owned waste collection operation). With that margin the city then sets aside, closure costs, future cell construction costs and money for equipment replacement.

If you take into consideration the city has been able to cash flow the construction of cell #2 in 2009 and cell #3 in 2014, I do not currently see a need to increase landfill fees at this time. However, that will need to be closely monitored for future projects and needs.

The current Landfill tipping fees for garbage were established by ordinance in 2003 in anticipation of construction of a new landfill. Those rates have served and continue to serve the City well in fulfilling the landfill's debt obligations and operational expenses. The operational costs of the landfill remain fairly constant. The purchase of replacement equipment from time to time causes a peak in those expenses.

There is a large cost that is looming far into the future for the landfill. The City will need to plan for the installation of a system to recover landfill gases at some point in time. Non Methane Organic Compounds (NMOC) are emitted from the landfill from decomposition of the waste.

Currently, the total quantity of NMOC emitted by the landfill annually is calculated by utilizing a default NMOC concentration value suggested by the EPA. Currently, the default concentration of NMOC being utilized is 4,000. Using this default value it appears like the city landfill will hit the 50 megagram threshold around the year 2027 or 2028.

When that happens, the city will be required to perform a Tier II NMOC evaluation. A consultant will poke holes in the garbage with a geoprobe rig where the garbage is greater than 2 years old. The holes would be 4-8 feet into the garbage. Then the consultant would collect field readings and collect samples for lab analysis. The results from the lab analysis are entered into a spreadsheet to come up with a "site specific" concentration of NMOC. Once the calculations utilizing the "site specific" NMOC reach that 50 megagram, is when a gas collection system would be needed.

The city can expect to begin paying out more consulting fees for those evaluations in the next 12 – 15 years and at some point in the future, install a landfill gas collection system.

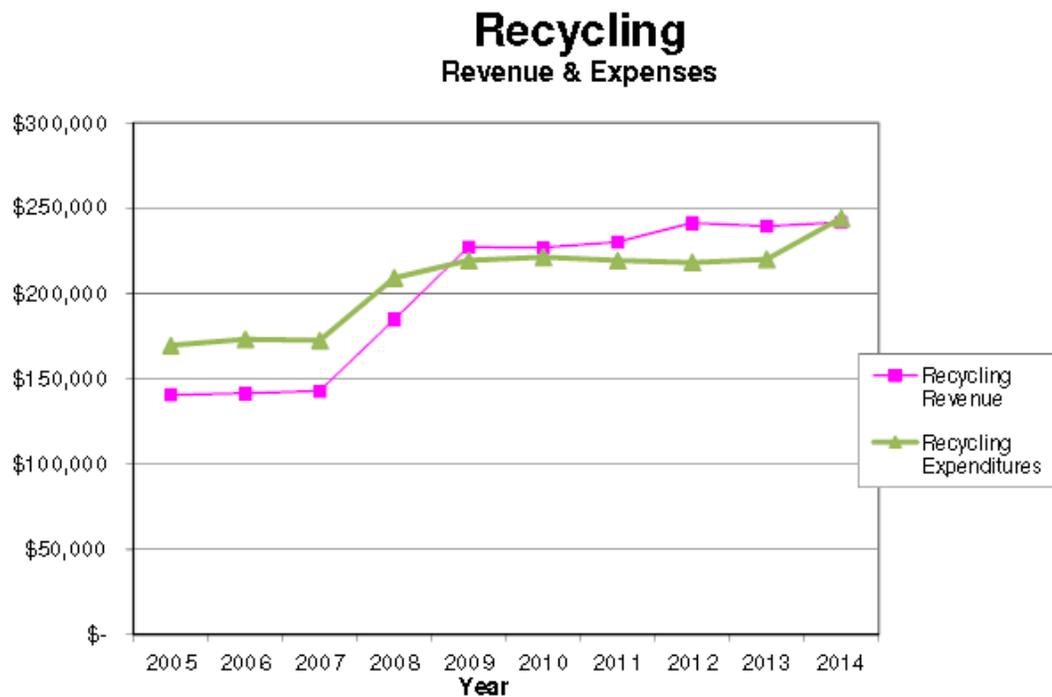
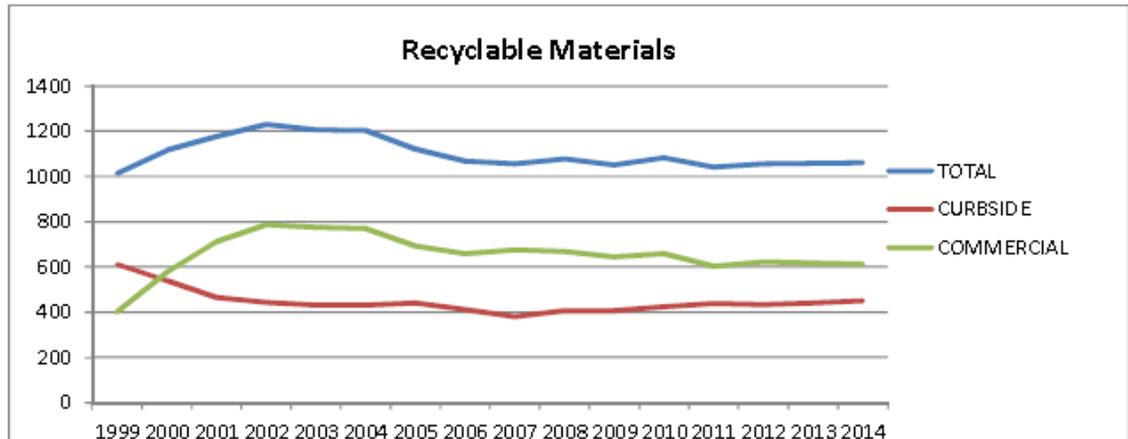


In the Waste Collection graph above you will notice an additional line plotted to show operating expense along with a tip fee (\$159,328) that would be paid to the landfill (shown as revenue for landfill) for disposal. This is important when you look at fees being collected to make sure waste collection is paying its' share of the disposal costs of the business. Even with the addition of those disposal costs it appears that the waste collection division generated a profit of over \$100,000. It is my opinion that the current waste collection fees are adequate for the time being. There is a planned replacement of a garbage truck in 2015.

The waste collection crew hauled 4,148 ton of waste to the landfill. This was slightly lower than last year. The customer base remained nearly the same as the previous year with only 15 additional customers for last year.

The amount of compost collected remained about the same as the previous year at 759.7 ton collected from our 1,355 yard waste customers. An additional 833 ton of yard waste was dropped off at the yard waste site located on west 8th avenue.

In 2014 Dependable Recycling pulled 1,061.41 ton of recyclables from the waste stream. The curbside recycling collection accounted for 449.39 ton and another 612.02 tons were collected from their commercial accounts. The graph below shows the recycling program's diversion for the past 15 years.

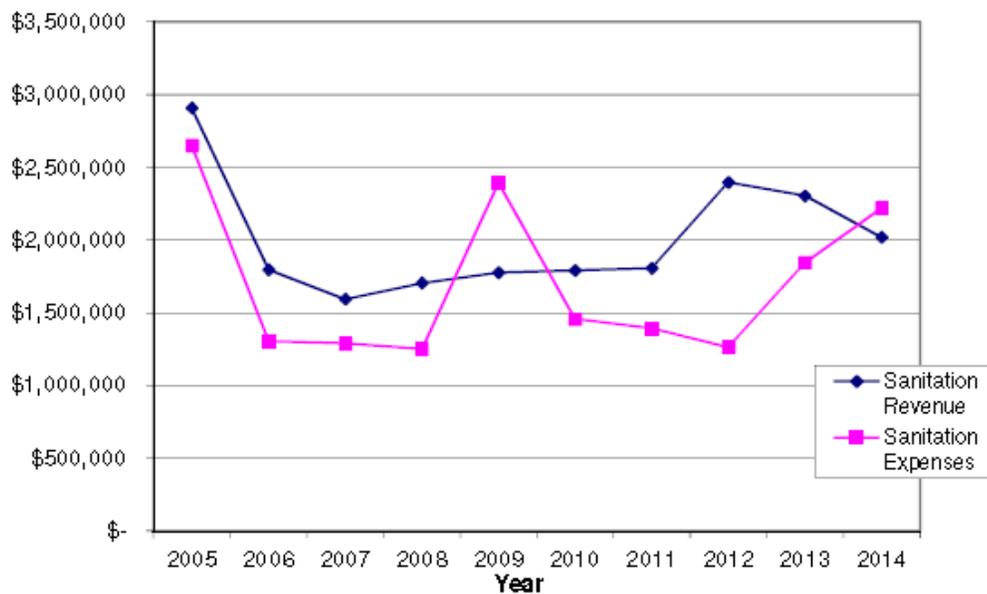


The recycling contract with Dependable Recycling was bid in December in 2013. With that new contract the cost of the service increased by over \$33,500 per year. The council passed a resolution to increase

the recycling fees to \$3.30 per month per residential unit in January of 2014 to cover those costs. However, the billing department did not implement that increase in 2014. The result in that was that expenditures outpaced revenue by approximately \$2,500. As the graph indicates, the recycling fee collected, adequately covered the expenses for the past contract but fell short in 2014 after the new contract took effect and the rate increase did not take place.

A shortfall has happened in the past with the recycling fee. As the graph indicates in years 2005 – 2007 the shortfall was close to \$30,000 per year. At that time landfill revenue was utilized to subsidize the recycling program. The council, at the time of bidding a new contract in 2008, decided the recycling program should pay for itself instead of raising rates at the landfill to cover the \$50,000 per year increase with the contract that was bid in 2008.

Sanitation Fund Revenue & Expenses - Including Grants & Loans



Overall, revenue for the Sanitation Fund fell short of meeting the expenditures for the year. That shortfall was anticipated because of the construction of cell #3. The total shortfall for Sanitation was approximately \$200,000 but keep in mind, approximately \$870,000 was spent on construction of cell #3 in 2014.

It is not unusual for revenue to fall short of expenditures on years that construction is taking place at the landfill. As you can see that also happened in 2009 when cell #2 was constructed. The Sanitation Fund

has plenty of time to recover for the next construction project that will need to take place in 2022 to build cell #4. The Sanitation Fund closed the year 2014 with over \$ 2 million in cash balance.

In review of the closure / post closure account for the current Mitchell Regional Landfill we have an estimated current liability of just over \$338,000 with \$ 349,522.69 in cash reserves in our closure / post closure account.

The post closure account for the old closed landfill has a cash balance of \$566,702 with a current liability of \$500,000. The old landfill has a declining liability since the landfill is closed. By EPA rules for landfills the city is required to monitor the closed landfill into perpetuity. South Dakota DENR has defined perpetuity as 30 years for landfills. The old landfill was closed in 2009 so it has now been monitored for 5 years. It is likely wise to leave the excess cash balance in the post closure account for the old landfill for some time to come. It is hard to know if indeed the State or the EPA will allow the city to completely stop monitoring the facility after the 30 years of post closure monitoring is completed. If at sometime, it is decided that money is not needed in that post closure account, it would be available for closure of the current landfill.

City of Mitchell

Water Department-2014 Year End Report

The City of Mitchell, Water Treatment Plant had an average year in 2014. Mitchell received less rain in 2014 than in 2013. We received 24.57 inches of rain during 2014. In 2013 Mitchell received 36.08 inches of rain. That averages out to be 2.05 inches per month. The water consumption was down from 2013. According to the Water Plant Pump Meters, which are not calibrated, and for comparison only, we pumped 667,994,000 gallons of water into the distribution system of Mitchell during 2014. In 2013 we pumped 690,800,000 gallons of water into the distribution system of Mitchell. According to these meters, we pumped 22,810,000 gallons less in 2014 than in 2013. We didn't operate the James River pumps in 2014, but we did start them and exercise them. We had a couple nice rains in the spring during 2014, and it kept the Lake fairly full most of the year. The Lake never did run over the spillway. We received water from B-Y Rural water all year long. We got about 99.95% of our water from B-Y. According to the B-Y system meters, which are used for payment, the City of Mitchell received 678.440 MG (million gallons) of water from the B-Y Rural Water System during 2014. We pumped .890 MG of water from Lake Mitchell during 2014 for a total use of 679.33 MG.

We have met and exceeded our standards as set by the National Safe Drinking Water Act. This good record of water treatment will be reflected in the Consumers Confidence Report we are required to mail to our customers every year during the summer months. The Lead & Copper tests were done in 2014. The next time we test for Lead & Copper will be in 2017.

There were times when we had to add Chlorine & Ammonia to the B-Y water because the Total Chlorine residual was not up to standards. Ammonia helps the chlorine stay in the system long enough to get to the far ends of the distribution system. Together they act as a disinfectant for the water system.

The SCADA system operates the high service pumps & monitors the clearwell & tower levels. The SCADA system also has an alarm system & auto dialer to call the person on call, in case there is an alarm at the Water Plant. We turned the Water Treatment Plant over to SCADA operation April 18th, 2007.

2014 COMPLETED PROJECTS

- *Consumer confidence report
- *Co2 tank inspection
- *Replaced the B-Y influent OCV control valve in the Water Plant
- *Backflow preventers inspection & repaired.
- *James River pump had repairs & maintenance done on electric heaters.
- *SCADA had some repairs & maintenance.
- *Fix OCV control Valve in the City's B-Y valve pit by Mti.

B-Y WATER ASSOCIATED COSTS

The total amount of Rural Water Influent used by the City of Mitchell was 678.44 MG.

Yearly- B-Y- water cost ----\$572,845.10

Raw water treated – .890 MG

Finished water ----- 667.994 MG.

Finished water Units – 890,659 Units

Chemical Cost for the year 2014 - \$15,707.87

(\$14,396.67 of that \$15,707.87 went to Aqua-Pure for chemicals on a Chemical/Service Contract with the remaining \$1,311.20 for other chemicals.)*

Chlorine Dioxide Generator Leased from Aqua-Pure at a yearly lease rate of \$3,000.

THE FOLLOWING ARE AQUA-PURE EXPSES AS PART OF THE CHEMICAL COST

- Poly-phosphate charge = \$1.75/ lb. - 8,100 lbs. X \$1.75 = \$14,175.00
- Raw Water treatment = \$226.95 - .255/1,000 Gals. X .890 MG= \$226.95
- Chlorine & Ammonia Costs - Total= \$773.15
- Activated Carbon Costs - \$ 0.00
- 2,081 lbs of lime = \$200.07
- Fluoride = \$0.00
- 3,800 lbs of CO2 = \$338.20

On January 1, 2015, the contract with Aqua-Pure was renewed for another 2 years with the 2014 rates remaining in effect.

-Raw Water treatment rates: .255 per 1,000 Gals.

-Poly-Phosphate treatment for B-Y Water: \$1.75 per pound of chemical.

The Ethanol Plant used 244,177 units or 183.1 Million Gallons from Lake Mitchell with an average daily rate of 501,733 GPD (gallons per day) and 15.3 MG (million gallons) per month.

Respectfully Submitted,
Richard Pollreisz
Water Superintendent

City of Mitchell Water Distribution -2014 Year End Report



Water Main Replacement on North Sanborn between 7th

Water Main Installation

April 2014:

7th & Sanborn valve going south new 4" valve with 2 dressers. North Sanborn – 6" C900 from 7th started with 2 – 45' fittings, 4" x 6" reducer and 4" dresser, new valve going north, tee with hydrant valve and hydrant @ 8th St., Tee and hydrant valve and main line valve with hydrant @ 9th, replace 6" thru intersection east & west, 6" x 4" reducer, 2 – 45' on each side, new Tee tied into new main going south. Tied in 9 existing 3/4" services, 10" sewer main sleeved on water under San. Sewer center of 9th & Sanborn

September 2014

1300 ft of 8" C900 – Cemetery/ Golf Course irrigation line from pump house to Cemetery
Fence, 8" 45' fitting into pump house, 2 – 8" 22.5' fitting coming down hill @ Indian Village Rd. 8" 90' fitting across road, 8" x 1 1/2" saddle with pipe into each basin for gravity drain

Hydrants 218 total Serviced, Repaired, or Installed

Many hydrants on dead ends throughout City were Flushed
514 W. Spruce – replaced East of tee and hydrant valve
Hackberry & Davison – converted with retro-fit mod kit
5 hydrants replaced complete seat assembly & spring
4 - Traffic Repair Kits
53 Hydrants with the caps replaced or greased
31 Hydrant heads greased and gaskets replaced
156 Hydrants oiled

4 Valves Installed/Repaired

Location	Description
	12th & Main replaced 6" valve connected to Tee, new 22 1/2' fitting, connected to existing 6" PVC with dresser, new road box and 18" riser
Havens & Ohlman	NW corner valve going west, 6" AVK valve with 1' C900 into 8" x 6" reducer 2' C900, 6" dresser tied into 6" C900 going west, complete road box
	1108 E. 6 th 4" valve tying 8" main to 12" main – replaced bonnet bolts & gasket
S. Rowley (2000 blk)	10" Clow valve, replaced bolts, replaced gasket

5 Valve Box Repairs

Location	Description
908 Kippes Cove	hydrant valve - replaced top section and 18" riser
2 nd & Lawler	west valve - replaced top section
200 blk of E. 3 rd	bank service valve – replaced top section
Ash & Capital	replaced curb box & top section
	E. 7 th by Firesteel replaced top section and lid

16 Water Service Taps

Date	Location	Plumber	Connection
4/18/2014	5 th & Capitol	Lemke	4" x 1" CI
4/9/2014	1812 N. Minnesota	Mitchell Plumbing	8" x 1½" PVC
4/28/2014	S. Edgerton Chiropractic	Schoenfelder	6" x 1½" AC
6/3/2014	803 W. 16 th	Mitchell Plumbing	8" x 1" PVC
6/12/2014	1100 blk. of S. Anderson	Krohmer	6" x 1" PVC
6/12/2014	1100 blk. of S. Anderson	Krohmer	6" x 1" PVC
6/18/2014	1100 blk. of S. Anderson	Krohmer	6" x 1" PVC
6/18/2014	1100 blk. of S. Anderson	Krohmer	6" x 1" PVC
7/14/2014	800 blk. of W. 16 th	Mitchell Plumbing	8" x 1" PVC
7/18/2014	1804 W. Havens-Pro Contr.	Pro Contracting	6" x 1" PVC
7/29/2014	Strip Mall by Menards	Schoenfelder	8" x 1½" PVC
			Was stubbed in west of curb
10/10/2014	176 N. Harmon	Mitchell Plumbing	10" x 1 AC
10/14/2014	2430 N. Main	Mitchell Plumbing	6" x 1" PVC
10/22/2014	315 N. Harmon	Krohmer	8" x 1" PVC
11/19/2014	120 E. Douglas	CMC Excavation	6" x 1" DI
12/9/2014	24930 407 th	Menning	6" x 1" PVC

Installed Tee and 6" C900, fire hydrant supplied by city

13 Main Breaks

Location	Size\Parts Used
803 N. Sanborn	6" x 12" w/ 1" tap, 3/4" copper service & 4" sewer service cast iron
605 W. 13 th	2 - 6" x 15" Cast Iron
1110 S. Miller	6" x 15" Cast Iron
1402 E. Birch	6" x 8" with 1" tap, corp, 15' of 1" copper Cast Iron
Ash & Marshall	6" x 15" Cast Iron
320 E. 15 th	6" x 15" Cast Iron
418 S. Iowa	6" x 15" Cast Iron
4 th & Kittridge	8" x 16" Cast Iron
610 W. Birch	6" x 8" with 1" tap, corp, coupling, copper & Mitchell Plumbing
2800 N. Main-shop service	12" x 1" Saddle, corp, 8' of copper, Ductile Iron
400 Block of W. 1 st Across from 3125 Maui	8" x 48" Cast Iron stubbed out to north, leaking bell, 12" piece of C900 and 2 dressers

Water Meters

Read non upgraded meters monthly
60 New Meters were installed for new construction
49 meters were removed
33 meters were reinstalled
893 meters were swapped out to new meter program
Turn water on and off for plumbers or home owners
Shut off delinquent customers for non payment
2313 locates total for water, sewer, and storm sewer

Water Other

Worked with Contractors on W. 2nd Street & E. 10th Street Projects
Many hours of Digging out soft spots for street repair
Shut down water for contactors for water connections.
Updated Maps where needed
Used the tractor backhoe to remove curb, gutter, and sidewalk

City of Mitchell Wastewater 2014 Year End Report

Prepared by: Jon Vermeulen Wastewater Superintendent



Annual Report for Pretreatment Program Mitchell, SD Permit # SD-0023361

Listed below are the Industrial Users that are permitted by the City of Mitchell in 2013. The City of Mitchell is continuing to improve, develop and enforce the goals of the Industrial Pretreatment Program.

Performance Pet Products, (American Food Group)

Performance Pet Products, (American Food Group) had two notices of violations for the year of 2014. The problems have been corrected.

The City of Mitchell performed an inspection and self-monitoring sampling in 2014.

Trail King Industries

Trail King Industries was in compliance for the year of 2014.

The City of Mitchell performed an inspection and self-monitoring sampling in 2014.

Twin City Fan

Twin City Fan was in compliance for the year of 2014.

The City of Mitchell performed an inspection and self-monitoring sampling in 2014.

Quality Wood Designs

Quality Wood Designs was in compliance for the year of 2014.

The City of Mitchell performed an inspection and self-monitoring sampling in 2014.

Wastewater Collection

Projects that have (Contractor) identified are projects that were built by private contractors but inspected by SPN and Associates or City (Public Works, Water or Wastewater Departments) and/or help with contractor on locating, questions and turn on/off City Utilities.

Sanitary Sewers

Helped City Engineering Division with GIS mapping
Performed annual maintenance (cleaning) of sanitary sewers in the NE Quadrant
Adjusted manholes to finish grade for overlay and paving projects
(7) Sewer plugs
(23) Private sewer plugs
Reline manhole on the Interceptor line behind Shorty's Locker (Contractor)
Reline manhole on 12 and Sanborn (Contractor)
Reline manhole and 6' of 8" clay tile on Isadore and Birch (Contractor)
Reline manhole on Isadore and Douglas (Contractor)
Reline (2) manhole on Ohlman and Pinehurst (Contractor)
Baited manholes to eliminate rodent problems
Repaired sewer line at Isadore & Birch
Repaired sewer line at 2nd & Duff
Pheasant Street sewer project (Contractor)
Woods Addition sewer project (Contractor)
Muller Development sewer project (Contractor)
10th Street from Main to Lawler sewer replacement (Contractor)
2nd Ave from Sanborn to Minnesota sewer replacement project (Contractor)
Replaced Manhole at 6th and Edmonds (Contractor)

Sewer Camera

Camera several sewers to help plumbers find sewer service for replacement or new install

Camera Sanitary Sewer at 7th & Duff to 8th & Duff
Camera Sanitary Sewer at 1200 block of East 3rd
Camera Sanitary Sewer on 600 block of S Rowley
Camera Sanitary Sewer on 2nd Street from Sanborn to Minnesota
Camera Sanitary Sewer 1200 block of East 3rd
Camera Storm Sewer on the 1000 block of East Elm
Camera Sanitary Sewer on Pheasant Street from 21st to 23rd
Camera Sanitary Sewer on New construction in the Woods Addition
Camera Sanitary Sewer on the 500 block of N Edmonds
Camera Sanitary Sewer on Williams between Ohlman & Edgerton

Preventative Maintenance

Preventative Maintenance was performed on the following sewers every three months

800 West Ash to 1500 West Ash

900 West Birch to 1200 West Birch

Green Drive & Main to 23rd and Main

7th and Minnesota to 900 West 7th

13th and Capital to 15th and Capital

University and Mitchell blvd to Minnesota and Mitchell blvd

600 block of South Isadore

1st & Wallace to 1st & Foster

Hanson & Wallace

6th & Duff to 6th Alley Manhole

Lakeview Lane

Duff & McCabe to Duff & Milan

500 block of East 12th

Lift Stations

Cleaned Foster St lift station trash basket weekly

Calibrated lift stations annually

Maintenance & Inspection on all 14 stations twice a week

Clean wet wells three times on all 14 stations

Grease and exercise valves on all 14 stations twice a year

Serviced air relieved valves twice annually

Test alarm systems on all lift stations once a month

Ran Generator at different lift stations during power outages

Relined Wet Well at North Harmon Lift Station (Contractor)

Replaced base elbow on both pumps and replaced pump #2 at Maui Island

Replaced Cathedral Protection at Carl road lift station

Storm Sewer

Clean numerous catch basins and storm sewers during the spring, summer and fall rains

Moved catch basin near Iverson parking lot

Relined 6' of storm sewer that ran through sanitary manhole at 6th & Duff

Relined 6' of 15" RPC storm sewer behind Golf Course Club House

Installed four type S inlets and three manhole structures at 12th & Sanborn

Installed 150' of 12" RCP at 12th & Sanborn

2nd Ave storm sewer project Sanborn to Minnesota (Contractor)

Avera storm sewer project and pond (Contractor)

Installed three catch basin and 98' of 12" PVC at 10th & Lawler

North Arrowhead Pass storm sewer project (Contractor)

Sinkhole Repairs

Repaired sinkhole near the Dry Run Creek on South Main
Repaired sinkhole next to sanitary manhole at 5th & Gamble
Repaired sinkhole next to manhole at 6th & Gamble
Repaired sinkhole on the water tower drain line behind the traffic shop
Repaired sinkhole next to the catch basin at 2600 Thunderbird
Repaired sinkhole on the storm sewer at 1100 S Edgerton
Repaired sinkhole on sanitary sewer at 1st & Mentzer
Repaired sinkhole on sanitary sewer at 705 south Kimball

Wastewater Other

Removed chip seal from manholes
Removed curb and gutter at numerous locations
Helped with locates throughout the City
Helped on Water Main breaks

Wastewater Treatment

Treated 606,362,000 gallons of wastewater
Average influent of 1.660 mgd
Discharged 348,178,270 gallons of treated wastewater to the James River
Land applied 93,963,000 gallons of treated wastewater for crop irrigation
Treated 1,752,702 gallons of leachate from the landfill
Achieved 95.4% BOD removal
Achieved 95.7% TSS removal
Sprayed lagoon dykes for weeds
Clean Wet well and Grit chamber at the plant
Clean Equalization Tanks at the plant
Changed oils and pump down both clarifiers for annual maintenance
Hauled screening and grit to the landfill weekly
Completed DMRQAQC Study 34 for the DENR and EPA
Performed lab work and maintenance on a daily basis
Repaired Force Main brake (3) times on 18" Ductile Iron Force Main
Rebuilt Pump #1 and Replaced Soft Start at the RSPS
Replaced Pump #2 at the RSPS
Replaced bearing on Bar Screen
Replaced stand pipes on Airlift pumps #1 & #2 at the Lagoons
Rebuilt Mixer # 4 at the Lagoons
Rebuilt Electrical motor on Mixer #2 at the Lagoons

MS4 Storm Water Regulations

The City of Mitchell with the help of HR Green Engineering is setting up and developing a new program for MS4 regulations for the City of Mitchell.

Gave power point presentation to the Planning Commission

Inspected Storm Sewer outlets in the spring and fall of 2014

Set up and develop Storm Water Ordinances, waiting to be approved by council

Set up and develop Storm Water Management Plan (BMP)

Did a Presentation at the Water/Wastewater Conference on developing a MS4 Program

Set up Storm Water page on the City of Mitchell web site with MS4 video and brochures

Training with City of Mitchell and HR Green on out fall inspection