

City of Mitchell

Wastewater

2017 Year End Report

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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 2017. 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 three notices of violations for the year of 2017. The problems have been corrected.

Performance Pet Products was charged 3,000 dollars for exceeding BOD and TSS limits.

The City of Mitchell performed an inspection and self-monitoring sampling in 2017.

Trail King Industries

Trail King Industries was in compliance for the year of 2017.

The City of Mitchell performed an inspection and self-monitoring sampling in 2017.

Twin City Fan

Twin City Fan was in compliance for the year of 2017.

The City of Mitchell performed an inspection and self-monitoring sampling in 2017.

Quality Wood Designs

Quality Wood Designs was in compliance for the year of 2017.

The City of Mitchell performed an inspection and self-monitoring sampling in 2017.

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 NW Quadrant/Lake
Adjusted (25) manholes to finish grade for overlay and paving projects
(9) Sewer plugs
(21) Private sewer plugs
Replaced sewer on Duff from Norway to Andrews (Contractor)
Relined (23) manholes on sewer line from the Wastewater Plant to Burr Street
Replaced Sewer service at 5th and Rowley
6th Street Plaza Sanitary Sewer (Contractor)

Sewer Camera

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

Camera sanitary sewer on Burr 700 Block to 800 Block
Camera sanitary sewer on Duff Street from Norway to Andrews
Camera sanitary sewer on 13th Street from Duff to Sanborn
Camera sanitary sewer at 1501 North Main to Burger King
Camera sanitary sewer on 13th Street from Rowley to Duff
Camera sanitary sewer on 20th Street new construction
Camera sanitary sewer on Carol Road around Cottonwood Street

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
Kynett Place to Mitchell Blvd
7th and Duff ½ block to the north
13th and Rowley to 13th and Sanborn
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 relief valves twice annually
Test alarm systems on all lift stations once a month
Ran Generator at different lift stations during power outages
Replaced alarm system at Daily Dr. and Airport with VT SCADA
Reline wet well at South Harmon (Indian Head East) lift station
Clean Daily Drive force main with the help of Benders Sewer Cleaning

Storm Sewer

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

Installed catch basin at Burr and Norway
Installed catch basin at 5th and Duff
Installed catch basin at 936 Kippes Cove
Installed 128' of 18" PVC and catch basin on Golf Course Road and Ohlman
Installed catch basin at Minnesota & Ninde
Clean storm sewer at South Davison & Hackberry to Langdon
Repaired drain tile at Life Quest
Clean storm sewer culverts on South Rowley
Installed 2 catch basins at Langdon and Douglas
6th Street Plaza storm sewer (Contractor)
Removed Beaver Dams on Dry Run Creek near West 2nd Trailer Court

Sinkhole Repairs

Repaired storm sewer sinkhole at 15th and Minnesota both catch basins

Repaired sanitary sewer sinkhole at 3rd and Kittridge
Repaired storm sewer sinkhole at South Langdon and East Douglas
Repaired storm sewer sinkhole at Industrial Road and Airport Road
Repaired storm sewer sinkhole at 16th and Wisconsin
Repaired storm sewer sinkhole at 7th and Kimball
Repaired storm sewer sinkhole at Hanson & Minnesota
Repaired storm sewer sinkhole at 415 Wildwood and Langdon
Repaired storm sewer sinkhole 19th and Sanborn
Repaired storm sewer sinkhole at Langdon and Oakmond

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 580,970,000 gallons of wastewater
Average influent of 1.592 mgd
Discharged 276,186,720 gallons of treated wastewater to the James River
Land applied 127,606,000 gallons of treated wastewater for crop irrigation
Treated 3,735,040 gallons of leachate from the landfill
Achieved 98.7% BOD removal
Achieved 98.0% TSS removal
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
Calibrated RSPs at the plant in the winter and summer
Completed DMRQAQC Study 37 for the DENR and EPA
Performed lab work and maintenance on a daily basis
Phase (3) of force main replacement (Contractor)
Installed By Pass Pump Station (Contractor)
Replaced Heat unit on the Grit Rom of Wastewater Plant (contractor)

MS4 Storm Water Regulations

Inspected all the City's Storm Sewer outlets in the spring and fall of 2017
Implemented erosion control on all sewer and storm sewer projects