

2007-2008
Annual Report
For
Jackson Wastewater Treatment Plant

The Jackson Wastewater Treatment Plant located on Lansing Avenue (north of town). The plant services the City of Jackson, parts of Blackman, Napoleon, Spring Arbor/Sandstone, Summit townships, and the State Prison of Southern Michigan. The wastewater coming to the plant in fiscal year 2007-2008 averaged about 12.3 million gallons per day. Many pollutants are removed from the wastewater in the treatment process. In the treatment process we produce sludge or bio solids as a result of our cleaning the water. The bio solids are then treated. The treated bio solids/sludge is recycled on area farm fields or disposed of at the county landfill. In fiscal year 2007-2008 around 3.37 million gallons were put on area farm fields and about 2,027 cubic yards were disposed of at the county designated landfill.

Our laboratory personnel perform many chemical tests on the plants incoming wastewater, in plant processes, and plant discharge. Our lab personnel also sample our bulk township sewage discharges so as to bill the townships for the services we perform. Our Industrial Pretreatment people inspect and sample various facilities in our service area, they also perform enforcement actions if required. Our maintenance and sludge personnel maintain 16 buildings, over 18 vehicles, 62 process tanks, and 9 City sewage lift stations. The property and buildings contain numerous pieces of machinery, plumbing, and electrical equipment.

In fiscal year 2007-2008 we let out 3 contracts for replacement/upgrade construction at the treatment plant. EarthTech of Grand Rapids an engineering firm designed and is overseeing the construction. The construction firms hired are:

1. Major pipe replacement in our powerhouse building. Paul Bengel Company of Jackson awarded the contract \$1,810,000.
2. Significant service water line replacement in various areas of the plant, sludge line replacement for primary tanks 1-6, scum line discharge installation for 1-12 primaries. 3 S Construction Inc of Midland awarded the contract \$369,000
3. Build a new locker room etc. replace a electrical motor control center etc. baseline Constructors Inc. of Chelsea awarded the contract \$598,000

We also purchased a mobile engine driven sewage pump and two generators to be used as emergency backup for some of our lift stations.