

**CITY OF JACKSON WASTEWATER TREATMENT PLANT
225 WOOD AVENUE
JACKSON, OHIO 45640
740-286-1137**

HOURS: 7:30AM - 4:00PM Monday - Friday
Weekend hours may vary.

Ron Aldrich	-	Wastewater Superintendent
Kenny Staley	-	Chief Plant Operator
Pam Bowling	-	Administrative Secretary
Stacy White	-	Wastewater Plant Operator/Lab Tech
Matt Culbertson	-	Pretreatment Coordinator
Stacy Hobbs	-	Wastewater Plant Operator
Jim McCarty	-	Wastewater Plant Repairman/Operator
Matt Crabtree	-	Wastewater Plant Repairman/Operator

The City of Jackson operates an Ohio EPA Class 3 Advanced Treatment Plant with aerobic sludge digestion. The plant is divided into two treatment systems. Plant I was built in 1954 then upgraded in 2009 and Plant II was completed in 1984 then upgraded in 2009. A second up grade was completed in 2017.

Flow enters the plant through a 30 "interceptor sewer for Grit removal and is screened. An equalization basin is provided for storage of wastewater and will be drained back to plant I and II.

Proper operation of Plant I is as follows: Wastewater is pumped from the wet well to equalization basin then passes through a 1mm rotary screen to remove any item that may damage the Membrane system. After screening the flow enters the two (2) Aeration tanks, it is combined with return activated sludge from the Membrane system. From the aeration basins the flow enters the Membrane system here a filtering system removes the water and the solids remain in the system. This process replaces the need for final settling tank system. The effluent is monitored by a turbidity meter to determine process conditions.

Proper operation of Plant II is as follows: wastewater flows from the Equalization Basin into the oxidation ditches which operate in the extended aeration mode. Mixed liquor from the ditches is then settled in the settling tanks and either returned to the ditches or wasted.

Both plant I and II effluent passes through an Aeration tank to increase dissolved oxygen content along with seasonal disinfection prior to discharge to Salt Lick Creek.

The City also operates an Ohio EPA approved Industrial Pretreatment Program. Industrial wastewater flow is approximately 50% of the dry weather flow.

Treated bio-solids are land applied for nutrient benefit for farm land.

The City of Jackson Wastewater Plant Detailed Design is as follows:

Million Gallons per Day (MGD) - 3.79 MGD

BOD Loading lbs/day -7400 lbs/day

TSS Loading lbs/day - 3555 lbs/day

Ammonia loading lbs/day - 243 lbs/day

BIOSOLIDS REMOVAL PROGRAM:

The City of Jackson land applies all bio-solids treated by the Wastewater Plant (WWTP) located at 225 Wood Avenue, Jackson, Ohio.

Bio-solids are the settled material generated from the waste stream and are digested aerobically. This is the natural breakdown of Bio-solids in a controlled environment to allowing naturally accruing bacteria to reduce the organic material in the bio-solids.

The WWTP produces a Class B Bio-solids meeting the management practices in 40 CFR 503.14, the site restriction in 503.32 (b) (5), the vector attraction 503.33 (b) 4 and 7, and the pathogen requirement in 503.32 (b) - Alternative #1(1) and #2(1, 2, 3).

Both liquid bio-solids and dry bio-solids are land applied to fields following proper submission of data sheets and soil testing results, along with final approval granted by the Ohio EPA.

This material is provided at no cost to the land owner. Interested owners may contact Ron Aldrich, Wastewater Superintendent, at 740-286-1137 or E-Mail - raldrich@jacksonohio.us for further information on the City of Jackson Bio-solids Removal Program.

PRETREATMENT PROGRAM:

The City of Jackson Pretreatment Program represents a partnership in the regulatory community which includes Federal, State and Local regulatory agencies established to protect water quality. The Program controls pollutants from non-domestic sources discharging wastewater to the City of Jackson Wastewater Treatment Plant (WWTP). The U.S. EPA, the State and the Local authority establishes limits for allowable pollutant discharges from Industrial Users (IU).

The objectives of the Pretreatment Program are to prevent the introduction of pollutants into the WWTP that will interfere with the operation of the WWTP, including interference with its use or disposal of bio-solids; to prevent the introduction of pollutants into the WWTP that will pass through or are incompatible with the treatment works; to improve opportunities to recycle and reclaim municipal and industrial wastewater and bio-solids; and reduce the health and environmental risk of pollution caused by the discharge of pollutants to the WWTP.

The Pretreatment Program is governed by 40 CFR Part 122 - National Pollutant Discharge Elimination System (NPDES) program; and 40 CFR Part 403 - General Pretreatment Regulations for Existing and New Sources of Pollution.

The City of Jackson's Pretreatment Program was approved by the Ohio EPA on June 13, 1985. The Program consists of one Categorical Industrial User, three Significant Industrial Users, five Non-Significant Industrial Users and one Dry Industry. Sampling and Inspections of these industrial users are conducted to ensure compliance of all rules and regulations pertaining to the pretreatment program.

The City of Jackson has developed procedures that enable the approved Pretreatment Program to effectively exercise its legal authority. The Pretreatment Program is managed by the Sewer Use Ordinance as contained in Chapter 926 of the Codified Ordinances of the City of Jackson, along with an approved Enforcement Response Plan.

For more information, please contact, Matt Culbertson, Pretreatment Coordinator, City of Jackson WWTP, 740-286-1137 or E-Mail mculbertson@jacksonohio.us

Guidelines for Proper Disposal of Household Medication

Over the counter and prescription medication should not be disposed down the drain because wastewater treatment facilities are not designed to remove pharmaceutical compounds and they may end up in your local waterways, that may eventually be found in drinking water. Proper disposing of unwanted and expired prescriptions and over-the-counter medications in the trash promotes a healthy aquatic environment and prevents accidental poisoning and intentional abuse.

Improper disposal in your trash allows others to divert the substance and consume medication that was not prescribed to them.

1. Keep medicine in original container. Mark out or remove personal information on prescription bottles
2. Mix liquid medicine with undesirable substances like coffee grinds, cat litter, or dirt. Dilute pills with water, then add coffee grinds, cat litter, or dirt.
3. Place bottles in an opaque container, like a yogurt container, and secure lid; or wrap in a dark colored plastic bag.
4. Hide the container in the trash. Do NOT recycle.

Step 1



Mark out or remove personal information

Step 2



Mix with water, coffee grinds, cat litter or dirt.

Step 3



Place in opaque container

Step 4



Hide in the trash

Prevent water pollution, Promote a healthy environment, Properly dispose of your unneeded and expired medication.

Do NOT dispose
of medication
down the drain or
toilet.

Do NOT keep excess or expired
medication
around the home.

For more Information Contact: Wastewater Treatment Plant at (740) 286-1137.

CITY OF JACKSON WASTEWATER TREATMENT PLANT
Code of Ethics

As one engaged in providing the public Wastewater treatment for the City of Jackson whom I serve, I hold to these principles:

1. To the best of my ability I shall conduct all operation under my control in such a manner that will, as far as the means made available permit, provide adequate services, preserve the public health and furnish protection to property.
2. In every legitimate manner I shall encourage the construction of Wastewater treatment structures, the use of materials, management practices and operating procedures which are economically sound and in the public interest.
3. I shall not accept any remuneration or benefit from any interested party other than my employer. Neither shall I accept any collateral employment which might in any degree adversely affect the performance of my duties of obligations to my regular employer.
4. I believe that honorable competition for advancement and for opportunity to render more responsible service is an essential part of democratic civilization-upon which rests real improvement and progress. I shall not permit my own ambition for advancement to cause me to act unfairly toward other associated with me.
5. I shall by all legitimate and reasonable means strive to improve the public appreciation of the services rendered by myself and by my associates to the end that employment in Wastewater treatment operations is recognized by all as a profession having great responsibility for the health and welfare of all people.

I shall always bear in mind my obligation as a citizen to my nation, my state and my community, and to give to them my unswerving loyalty in word, act and deed.

In accepting this Code of Ethics, I do fully understand my obligations to my community and having accepted responsibilities upon which depend public health and safety.