



# Rogers Water Utilities

## Oil Separator

### Management Policy

March 26, 2024

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## **1. Purpose:**

This policy is intended to minimize the introduction of materials such as, but not limited to sand, soil, grit and petroleum-based oils entering the City's wastewater collection system and its wastewater treatment plant. This policy works in conjunction with Chapter 54, Article VI, of the Code of Ordinances of the City of Rogers. It is intended to outline, implement and describe measures and controls designed to prevent the introduction of such materials into the Publicly Owned Treatment Works (POTW) for the City of Rogers, Arkansas.

## **2. Administration:**

Except as otherwise provided herein, the Superintendent of the Rogers Water Utilities or the Superintendent's duly authorized representative(s) shall administer, implement and enforce the provisions of this policy.

## **3. Applicability:**

This policy applies to any facility that has the potential to discharge waste containing sand, grit, gravel, aggregate and/or petroleum by-products into the City's POTW. Examples of such facilities include but are not limited to: manual and automatic car and/or truck washes, garages, service stations, vehicle maintenance facilities, fabricators, utility equipment facilities and any other facilities, as determined by the Control Authority. All applicable facilities must install and maintain an approved and properly sized oil separator. These facilities shall also include:

- New Construction;
- Facilities undergoing interior remodeling to accommodate expansion or operational modifications;
- Facilities undergoing change of ownership/occupancy;
- Facilities which are experiencing difficulty in achieving compliance with maintenance and or wastewater discharge limitations;
- Facilities adversely affecting the City's POTW, as determined by the Control Authority; and
- Existing facilities without oil separators unless specifically exempted by the Control Authority.

## **4. Definitions:**

The following words, terms, and phrases, when used in this policy shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*City* means the City of Rogers, Arkansas.

*Control Authority* means the jurisdictional entity that oversees the operation and protection of the City's POTW. The Control Authority is the Rogers Water Utilities. The Control Authority shall act through the Superintendent of Rogers Water Utilities or the Superintendent's duly authorized representatives.

*Discharge* means the introduction of waste into the Publicly Owned Treatment Works (POTW).

*Infiltration and Inflow (I&I)* is excess water that flows into sewer pipes from groundwater and stormwater via holes, cracks, faulty connections, downspouts, risers or holes in manhole covers/lids.

*Oil* means petroleum-based products.

*Oil Separator means* an approved and industry-standard system that is specifically designed and manufactured to separate oil from water.

*Pretreatment Devices means* any approved device, structure, system, or method used and maintained for the purpose of bringing a waste stream within acceptable limits and standards of quality prior to its discharge to the public sewer system. Examples of pretreatment devices include, but are not limited to: grease interceptors, oil separators, solids interceptors, lint interceptors, pH adjustment, etc.

*Publicly-Owned Treatment Works (POTW) means* any sewage treatment works, as defined by 33 USC § 1292, which is owned by the City. This definition includes any devices or systems used in the collection, storage, treatment, recycling, and reclamation of residential, commercial, or industrial wastewater and any conveyances, which convey the wastewater to a treatment plant.

*Sampling Port means* an apparatus installed downstream of a pretreatment device that allows visual inspection and sampling of the effluent before it connects to the sanitary sewer service lateral line and discharges into the POTW.

*Superintendent of the Rogers Water Utilities is* the chief administrator and manager of the Rogers Water Utilities (RWU) appointed by the Rogers Waterworks and Sewer Commission.

*User means* the responsible person, entity, or establishment that is required, under this policy, to install and maintain pretreatment devices, including, without limitation, persons, entities, or establishments located outside the corporate limits of the City who contribute, cause or permit the contribution or discharge of wastewater into the POTW. Users may be classified as:

- (1) The owner or proprietor of an individually owned pretreatment device;
- (2) The franchise owner when an establishment is part of a franchise;
- (3) A general partner when an establishment is part of a general or limited partnership;
- (4) The corporate or organizational representative when an establishment is owned or controlled by a corporation, limited liability company, or other entity; and
- (5) The owner or person who assumes control of the pretreatment device or the property on which the pretreatment device is located when two or more Users share a common pretreatment device.

## **5. GENERAL CRITERIA FOR OIL SEPARATORS**

- Each business establishment for which an oil separator is required shall have a separator(s) serving only that establishment. Common or shared separators are not permitted.
- Establishments described above shall discharge all process wastewater to an oil separator approved by the Control Authority.
- Oil separators shall be readily accessible for inspection, servicing, and maintenance/cleaning. Where feasible, all separators shall be located outside of the facility served. Oil separators should be installed outside of traffic lanes whenever possible to accommodate maintenance and inspection. Location and plumbing of all oil separators must be approved by the Control Authority and shall be shown on the approved building/plumbing plan.
- A sampling port must be installed in all new construction. The sampling port must be installed downstream of the oil separator prior to the connection of the sanitary sewer line. The sampling port shall only catch effluent from the oil separator. No sanitary sewage should pass through it. All sampling ports must be installed per manufacturers' specifications, be designed to prevent I&I, and provide proper vertical fall or slope. Sampling ports shall not hold water and shall have proper load bearing/finished to grade capacities (concrete pad).

- All separators must be installed per manufacturer's specifications. If manufacturer specifications are not provided or unknown, then installation shall be in accordance with the Arkansas Plumbing Code as adopted by the City. In no instance shall any separator be installed in violation of the Arkansas Plumbing Code as adopted by the City except as may be allowed by the Control Authority or by applicable law.
- All separators must have proper load bearing capacities/finish to grade/concrete pad requirements in vehicular and pedestrian and/or green space areas. If manufacturer specifications are not provided, then the design and detail shall be sealed by a professional engineer licensed in the State of Arkansas.
- Areas outside the process areas must be sloped to prevent stormwater entering the pretreatment device and POTW.
- Pretreatment devices to remove solids may be required before discharge to the oil separator.
- Anti-freeze, degreasers, detergents, fuel, alcohols or other solvents that are designed to absorb, purge, consume, treat, dissolve or otherwise eliminate oil are **prohibited**.
- Hydraulic elevator pits are prohibited from connecting to the sanitary sewer system (POTW). Barrel containment is recommended.

## 6. User's Responsibilities

- Oil separators shall be maintained, at the User's expense, by regularly scheduled removal of the accumulated material, so that the oil separators will properly operate as intended.
- A minimum of once-a-year pumping is required. However, if the Control Authority determines through inspections or analysis that the schedule established is deemed to be ineffective, the User will be required to update the cleaning/pumping frequency.
- All maintenance and pumping records must be kept on site for a minimum of three (3) years.
- Maintenance of sand/oil interceptors shall be done only by a business or professional that is licensed and/or permitted to handle and properly dispose of such waste.
- Users whose Oil separators are found to be under-sized, substandard, damaged, deteriorated, not functioning properly or which do not meet the requirements of this policy shall be required to upgrade the system so that the system meets the requirements of this policy or to replace the system with a system that meets the requirements of this policy. The Control Authority shall determine the allowable time frame for this work to be completed.
- Where floor drains are present, spills of oils and grease shall be dry-cleaned in order to keep the material out of the drain.
- Users of washing facilities shall use non-phosphate detergents.
- Separators are not intended to remove chemical solvents or other cleaners.
- At no time shall any hazardous waste be allowed to discharge to the separator or into the POTW.

## 7. OIL SEPARATOR ABANDONMENT

- a. All contents within the abandoned oil separator must be completely removed by a certified pumping company and disposed of at a permitted disposal facility authorized to handle such waste. The empty oil separator may be collapsed or removed and must be filled with earth, sand, gravel, concrete or other approved material. No void space should be left.

- b. All existing waste lines must be capped and properly sealed to eliminate I&I into the POTW.
- c. The opening(s) to the interceptor must be secured (if applicable).

## **8. ENFORCEMENT**

This Policy shall be enforced in accordance with Section 54-1014 of the Code of Ordinances of the City of Rogers, Arkansas and other applicable law.