

ROCK RIVER WATER RECLAMATION DISTRICT

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**INDUSTRIAL/COMMERCIAL APPLICATION
FOR SEWER CONNECTION PERMIT INSTRUCTIONS**

General Instructions

1. Prior to receiving a connection permit for all industrial or commercial sewer connections to any Rock River Water Reclamation District (District) sewer, the Industrial/Commercial User (I/C U), his agent, or plumber, must satisfactorily complete Sections I-III, Supplemental Schedule A, and if applicable, Supplemental Schedule B, and sign the attached form.
2. Upon receipt, District staff will review the completed form for compliance with District Ordinances, and State and Local codes. The review period is seven days. If additional information is required, District staff will contact the user, his agent or plumber. Extended review time will be necessary to process further supplementary information.
3. When the completed Industrial/Commercial Application is reviewed and found in compliance with all requirements, the Engineering Department shall issue a sewer connection permit. Engineering Technicians are available on 24-hour notice to make the required field inspections for the sewer connections.
4. All commercial or industrial wastewater sources consisting of more than one (1) building or treating or discharging 1500 or more gallons per day of sewage, or both may be required to obtain a Construction/Operation Permit from IEPA prior to the issuance of a connection permit to District sewers. (See: EPA – WPCB – Title 35, Subtitle C, Chapter 1, Subpart B, Section 309.202)
5. An Industrial/Commercial Application Form is required for installations including, but not limited to, building connection, building addition, building repair or remodeling, special service devices and change of use (change of use is defined as a change in the characteristics of wastewater being discharged).
6. The applicant shall be required to pay the I/C Application fee, pursuant to District's current Ordinance Establishing Rates, Fees, Charges, Penalties, Bond Requirements, Permits and Additional Charges for the Rock River Water Reclamation District, at the time the Industrial/Commercial Application is submitted.

Specific Instructions

1. Section I – General

This section covers general information to be submitted by the Industrial/Commercial User that is relative to the prospective connection.

If food is prepared at this facility, mark Section I-N and complete Supplemental Schedule B of this form.

2. Section II – Building and Site Plumbing Plan

The user or plumbing contractor shall include an engineered site drawing, to scale, showing the entire parcel and adjacent streets, all existing and proposed building locations and existing utilities to and on the parcel, the sewer connection, the proposed building service, special service devices, sampling manhole (if applicable), North arrow, a plumbing plan and plumbing schematic including the building service and building plumbing. Required special service features, such as but not limited to, grease traps, grease interceptors, oil/water separators, sand catch basins, shall be shown on the detailed engineered site drawing, plumbing plan and plumbing schematic.

3. Section III – Certification

The owner/user of the facility and the plumber/contractor shall complete and sign the certification section and certify existing condition of the building plumbing, as well as new plumbing. Original signed documents must be submitted.

Plumber/contractor shall certify what he is installing/modifying.

4. Section IV – Requirements

District staff shall complete Section IV.

The District will indicate what permits and equipment will be required.

The District Engineering Department will furnish the results of staff review to the Industrial/Commercial User. Any District requirements shall be added as special conditions to the connection permit. A copy of the signed Industrial/Commercial Application will also be provided.

5. Supplemental Schedule A – Type of Wastewater Discharged

Mark the type of wastewater to be discharged to the sanitary sewer.

6. Supplemental Schedule B – Interceptors and Separators

This section applies if any of the following conditions are required to be met:

⇒ Grease and sand interceptors

- Interceptors may be required for the proper handling of liquid waste containing grease, flammable waste, oil, sand and any other ingredients that could be harmful to the building drainage system, the public sewer or processes involved in the treatment of sewage at the RRWRD Sewage Treatment Plant.
- No waste other than those requiring treatment or separation shall be discharged into an interceptor or separator.

⇒ Grease traps and interceptors

- Any new or altered food service establishment that introduces fats, oils or grease (FOG) into the drainage and sewage system in quantities large enough to cause line blockages or hinder sewage treatment, shall install a minimum capacity of 1000 gallons interceptor located outside the building. Multiple tenant strip malls shall install an exterior grease interceptor, properly sized pursuant to Title 2, Article II, Section 8.A.5. In no case shall any grease interceptor for a strip mall be less than 1500 gallons. Small volume food service establishments, which have limited menus, minimum dishwashing, and/or minimal seating, shall provide a grease trap built into the wastewater piping located a short distance from the grease producing fixture(s). The Plant Operations Manager shall approve the location and capacity of the grease trap(s). The minimum grease trap capacity may be determined using the equipment checklist calculation.

The minimum required features for grease interceptors include:

- Flow rate of the interceptors shall be sufficient to handle the maximum demand of the connected system, and the grease interceptors shall be constructed of durable, corrosion resistant materials and shall have watertight covers securely fastened in place.
- No interior grease interceptor shall receive the discharge from food waste grinder or commercial dishwashing machine. Exterior manhole-type grease interceptors may receive the discharge from a food waste grinder and/or a commercial dishwashing machine if allowed by the State and Local Plumbing Codes.

⇒ Oil/Flammable Liquid Interceptors/Separators

- All establishments, including but not limited to commercial vehicle storage garages, repair facilities, service stations and similar facilities that conduct servicing, repairing, maintenance or storage of motor vehicles where oil and/or flammable liquid is or may be introduced into the sewerage system shall have one or more approved oil separators installed into which all such wastes shall discharge prior to connection to the RRWRD sewerage system. In areas where vehicles are stored and not serviced, a combination oil/sand separator may be installed with a static water storage volume of one (1) gallon for every 100 square feet of area to be drained.
- In facilities designed for mechanical washing of vehicles, a sand and gravel separator shall be required to receive the wastewater from all washing facilities. In a one-vehicle manual washing facility, a combination oil/sand separator may be required with a minimum static water capacity of 30 gallons.

⇒ Solids Interceptor

- Commercial laundries shall be equipped with an interceptor having a screening or similar device that will prevent materials detrimental to the sewerage system from passing into such system.