

Rock River Water Reclamation District
3501 Kishwaukee Street
P.O. Box 7480
Rockford, Illinois 61126-7480
Telephone #: (815)-387-7555
Engineering Fax #: (815)-387-7665

Date Received: _____
Receipt #: _____
Received By: _____
Application #: _____
LUC #: _____
NAICS #: _____
PERMIT #: _____
ACCOUNT #: _____

INDUSTRIAL/COMMERCIAL APPLICATION FOR SEWER CONNECTION PERMIT

(Sections I-III, and Supplemental Schedules A & B to be completed by the Applicant)

SECTION I - GENERAL

- A. New facility requiring permit: _____
- B. Address of facility requiring permit: _____
- C. County: _____
- D. Current mailing address: _____
- E. Property code(s): _____
- F. Legal description/Parcel size: _____
- G. Owner/User: _____
- H. Name of person completing the application: _____
Title: _____ Phone #: _____ Email: _____
Company: _____
- I. Water received from:
Rockford _____ Loves Park _____ North Park _____ Cherry Valley _____
Rockton _____ Well _____ Other _____

J. Flow metering (please check all that apply):

Water meter _____ Wastewater flow meter _____ Well meter _____

Lawn sprinkler meter _____ Other credit meter (describe) _____

Provide an estimate of the anticipated wastewater discharge volume: _____ gallons per day*

Connection fees are calculated using projected flows provided in this Industrial/Commercial form. Supplemental connection (surcharge) fees may be imposed should actual flows (or wastewater pollutant strengths) exceed the projected flows (or wastewater pollutant strengths) pursuant to Title 5 of the District Code of Ordinances; this includes flow or wastewater pollutant changes due to changes in the use of properties. Surcharge fees shall be calculated annually. Connection fee rates are subject to change pursuant to District Board action.

The Rock River Water Reclamation District bills on metered water; owner may install a credit meter or wastewater flow meter to more accurately measure discharge to sewer for sewer billing purposes. Surcharge fees will be based solely on information available at the time of the surcharge calculation.

***Until the Rock River Water Reclamation receives the water meter consumption records from the water provider, the District will use the water consumption stated in this application to calculate wastewater treatment bills.**

K. Number of fixture(s) / type(s): _____

L. Number of floor drain(s) / type(s): _____

M. Previous Industrial/Commercial User operations address and RRWRD Account No. (If applicable):

Address(s): _____ Account Number(s): _____

N. TYPE OF WASTEWATER DISCHARGED

_____ Chemicals
_____ Food Processing
_____ Domestic
_____ Grease, Oil
_____ Other (Specify): _____

Is food prepared at this establishment? Yes _____* No _____

***If "Yes", the user must also complete the Supplemental Schedule B of this application.**

O. METER INFORMATION

Is this facility currently, or will be, located in a multi-use building? Yes _____ No _____

If yes, will this facility have a separate meter to measure its flow independently from the other tenants in the building? Yes _____ No _____

SECTION II – BUILDING AND SITE PLUMBING PLAN

Provide an engineered, to scale, site drawing showing all existing and proposed site features and required fixtures, including but not limited to, all utilities/sanitary sewer service connections; sampling manholes, water meters, and building footprint, North arrow, property lines, etc., plumbing plan and plumbing schematic to include 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.

SECTION III– CERTIFICATION

I/We have personally examined and are familiar with the information submitted in this application. Moreover, based on our inquiry of those individuals immediately responsible for obtaining the information reported herein, we believe that the submitted information is true, accurate and complete.

As Owner/User, I also understand that should the type of process activity as indicated in Supplemental Schedule A, change because of additions, expansions, or deletions, I am to report such changes to the Rock River Water Reclamation District – Plant Operations Department (815) 387-7635.

Owner/User

Plumber/Contractor

Signature: _____

Signature: _____

Name: _____

Name: _____

Title: _____

Title: _____

Company: _____

Company: _____

Email: _____

Email: _____

Date: _____

Date: _____

SUPPLEMENTAL SCHEDULE A

Indicate by placing a check in front of those process activities that will occur at the facility for which this permit application is submitted.

MANUFACTURING

- _____ Apparel & Other Textile Products (Men's & Women's Clothing, Fur Goods, Misc., Fabricated Textile Products)
- _____ Chemical & Allied Products (Industrial Inorganic Chemicals, Plastic Materials & Synthetics, Drugs, Paints & Allied Products, Industrial Organic Chemicals)
- _____ Electrical & Electronic Equipment (Household Appliances, Electric Distributing Equipment, Communication Equipment)
- _____ Fixtures and Furniture
- _____ Food & Kindred Products (Meat Products, Fish Products, Poultry Products, Dairy Products, Bakery Products, Beverages, Dog Food)
- _____ Leather & Leather Products
- _____ Lumber & Wood Products (Wood Containers, Wood Kitchen Cabinets, Sawmills and Planing Mills)
- _____ Machinery (Engines & Turbines, Farm & Garden Machinery, Construction and Related Machinery, Metalworking Machinery, Special Industry Machinery, Office & Computing Machines)
- _____ Miscellaneous Manufacturing Industries (Jewelry, Silverware, Musical Instruments, Toys and Sporting Goods)
- _____ Fabricated Metal Products (Metal Cans & Shipping Containers, Cutlery, Hand Tools & Hardware, Screw Machine Products, Bolts, Etc., Metal Forging And Stamping)
- _____ Primary Metal Industries (Iron & Steel Foundries, Primary Nonferrous Metals, Secondary Nonferrous Metals, Nonferrous Rolling & Drawing, Nonferrous Foundries)
- _____ Paper & Allied Products (Pulp Mills, Paper Mills, Paperboard Mills, Converted Paper Products, Paperboard Containers & Boxes)
- _____ Printing & Publishing (Books, Commercial Printing, Greeting Card Publishing)
- _____ Rubber & Misc. Plastic Products
- _____ Stone, Clay & Glass Products (Flat Glass, Glassware, Cement Hydraulic, Pottery & Related Products.
- _____ Textile Mill Products
- _____ Truck Terminal with Vehicular Wash
- _____ Other (Specify): _____

COMMERCIAL

Wholesale Trade:

- _____ Apparel, Piece Goods & Notions
- _____ Groceries & Related Products
- _____ Beverages
- _____ Hardware, Plumbing & Heating Equipment
- _____ Drugs
- _____ Lumber & Construction Materials
- _____ Electrical Goods
- _____ Paper Products
- _____ Furniture & Home Furnishings
- _____ Sporting Goods, Toys & Hobby Goods
- _____ Other (Specify): _____

Retail Trade:

- _____ Apparel & Accessory Stores
- _____ Furniture & Home Furnishings
- _____ Auto & Home Supplies
- _____ Gasoline Service Stations
- _____ Building Materials & Garden Supplies
- _____ General Merchandise Stores
- _____ Liquor Stores
- _____ Eating & Drinking Places
- _____ Food Stores
- _____ New & Used Car Dealers
- _____ Other (Specify): _____

Institutions:

- _____ Clinics
- _____ Educational Facilities
- _____ Health Services (Doctors, Dental, Hospitals, Nursing, Etc.)
- _____ Retirement Centers
- _____ Other (Specify): _____

Office (Finance, Insurance and Real Estate, etc.):

- _____ Banks
- _____ Credit Agencies Other Than Bank
- _____ Insurance Services
- _____ Real Estate
- _____ Securities, Commodity Brokers & Services
- _____ Other (Specify): _____

SERVICES

- | | |
|--------------------------------------|--|
| _____ Advertising | _____ Diaper Service |
| _____ Amusement & Recreation Service | _____ Auto Repair, Service & Garage |
| _____ Hotels & Other Lodging Places | _____ Legal Service |
| _____ Barber Shop | _____ Misc. Repair (Watches, Clocks, Electrical) |
| _____ Beauty Shop | _____ Mobile Home Park/RV Park (Transient) |
| _____ Car Wash W/New Water | _____ Photographic Studio |
| _____ Car Wash W/Recycled Water | _____ Veterinary Service |
| _____ Club Organization | |
| _____ Coin Operated Laundry | |
| _____ Other (Specify): _____ | |

**SUPPLEMENTAL SCHEDULE B
INTERCEPTORS AND SEPARATORS**

A. Grease Interceptor

The use of any property serviced by a sanitary sewer shall install separators, as necessary, for the proper handling of liquid wastes containing grease, sand, oil or any other matters that may violate the provisions of Article 2, Section 1 of the Code of Ordinances. Such separators shall be installed by the user and be accessible for maintenance purposes.

1. Grease Interceptor Capacity

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 1,000 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 will any grease interceptor for a strip mall be less than 1500 gallons.

2. Grease Traps

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 location and capacity of the grease trap(s) shall be approved by the Plant Operations Manager. The minimum grease trap capacity may be determined using the equipment checklist calculation.

Equipment Checklist

Fixture dimensions (Cu. Ft.): **Length (in.) x Depth (in.) x Width (in.) = Cu. Ft.**
1728

Fixture 1 _____
 Fixture 2 _____
 Fixture 3 _____
 Fixture 4 _____

Total Capacity (ft³) _____ x 7.48 gal/ft³ x [0.50] = _____ gallons.

3. Design Criteria

- a. Grease traps and interceptors shall be constructed in accordance with the design approved by the RRWRD.
- b. Grease traps and interceptors shall have a minimum of two compartments with fitting designed for grease retention.
- c. There shall be an adequate number of manholes on a grease interceptor to provide access for cleaning all areas of the interceptor. Manhole covers shall be gas-tight in construction with a minimum opening of twenty-four (24) inches.

- d. Grease interceptors shall have two (2) compartments. It is recommended that the inlet compartment be two-thirds (2/3) the total capacity of the interceptor with a minimum liquid volume of 666 gallons. The outlet compartment shall have a minimum capacity of one-third (1/3) the total capacity of the interceptor.
- e. The inlet and outlet shall have a baffle tee or similar flow device with a minimum cross-sectional area equal to the cross-sectional area of the inlet. Each baffle shall extend from at least four (4) inches above the liquid level to within at least twelve (12) inches of the inside floor of the interceptor.
- f. Adequate partitions or baffles of durable material shall be constructed between compartments of the grease interceptor and shall extend at least six (6) inches above the liquid level. Flow from the inlet compartment to outlet compartment shall be through a quarter bend, or similar device equivalent in cross-sectional area to the inlet into the interceptor and shall extend down to within twelve (12) inches of the inside floor. Wooden baffles are prohibited.

4. Capacity of grease Interceptor/s: _____

B. Gasoline, Oil and Flammable Liquid Interceptors

- 1. Commercial Vehicle Repair Garages, Gasoline Stations with Grease Racks or Pits and Oil Change Facilities.

Any commercial vehicle repair garage, gasoline station with a grease rack or pit and oil change facilities shall be provided with floor drains or a trench drain connected to a gas and oil separator.

The minimum size of the interceptor shall be six (6) cubic feet (45 gallons) for the first 500 square feet of floor area plus one cubic foot per each additional 500 square feet drained to the interceptor.

- 2. Commercial and Residential Vehicle Storage:

Commercial and Residential vehicle storage areas greater than 1,000 square feet shall comply with the requirements of Section B-3 below.

- 3. Other Facilities:

All facilities, other than those discussed in Section B-1 above that generate fuel, oil or flammable waste shall meet one of the following requirements:

- a. Provide floor or trench drains connected to a gas and oil interceptor.
- b. Provide an alternative system approved by the IDPH (i.e., an oil reclamation system or containment area).

The minimum size interceptor for these facilities shall be six (6) cubic feet (45 gallons) for the first 3,000 gross square feet plus 1 cubic foot per each additional 1,000 square feet to be drained to the interceptor.

C. Catch Basins

Sand catch basins or similar interceptors for heavy solids shall be so designed and installed to be accessible for cleaning and shall be sized to meet the following criterion:

1. Motor Vehicle Wash Racks.

In all motor vehicle wash racks, drainage shall discharge into a water-tight catch basin at least 36 inches in diameter, or three (3) feet by two and one half (2-1/2) feet (rectangular shape). The bottom shall not be less than 27 inches below the invert of the outlet pipe.

2. Commercial Laundries

Commercial laundries shall be equipped with an interceptor having a removable wire basket or similar device that will prevent materials detrimental to the sewage system from passing into the system.

D. Approval

All plumbing work must be completed in compliance with applicable State and Local Plumbing Codes. Equipment installation shall also meet all applicable State and Local Public Health Codes.

SECTION IV (TO BE COMPLETED BY DISTRICT STAFF ONLY)

A. Permits Required

- _____ IEPA Construction/Operation Permit
- _____ RRWRD Industrial Wastewater Discharge Permit
- _____ Connection Permit from Engineering Department

B. Equipment Installation

- _____ Gas and Oil Separator
- _____ Grease Trap (size required _____ Gal.)
- _____ Grease Interceptor (_____ Gal.)
- _____ Pretreatment System
- _____ Sand Catch Basin
- _____ Junction (Service) Manhole
- _____ Sampling Manhole
- _____ Monitoring Manhole W/Flume
_____ 4' diameter _____ 5' diameter
- _____ Enhanced Monitoring Manhole (5' diameter)
(with electrical power, flume and flow meter)
- _____ Well Water Meter
- _____ Wastewater Flow Meter
- _____ Credit Water Meters
- _____ Other (Specify): _____

C. Specific instructions given by Supporting Services for connections, manholes, etc: _____

D. This operation is similar to _____ Account No. _____
(This example was used to forecast flow and charges.)

E. Has downstream sewer been accepted for permits? Yes _____ No _____
Downstream sewer is: _____

F. General
_____ IEPA Class K Operator _____ Inspection by IWS

G. Total Fee/s Owed: _____

Plant buy in (PBI) fee apply? Y N Plant buy in (PBI) fee credit apply? Y N

Basin fee apply? Y N (Name): _____ Basin fee credit apply? Y N

Payback fee apply? Y N (Name): _____

Credit applied (Account name/address): _____

Calculated Flow and LUC Credit: _____

PBI ERUs: _____ Less Credit PBI ERUs: _____ Chargeable PBI ERUs: _____

Basin ERUs: _____ Less Credit Basin ERUs: _____ Chargeable Basin ERUs: _____

Calculation of Charges:

PBI: _____ Basin: _____ Payback: _____

Rock River Water Reclamation District Signatures:

I.W.S./Engineering: _____ *Approval Date:* _____

Plant Ops: _____ *Approval Date:* _____

Supporting Services: _____ *Approval Date:* _____

Engineering Manager: _____ *Approval Date:* _____

Comments: _____

H. Standard Terms and Conditions

- _____ A sampling manhole (minimum 5' deep) of standard District design.
- _____ Requires a Private Property Plumbing Contractor, registered and bonded with the District, to schedule inspections with the Engineering Department for service connection at the defined point of connection and any required devices.
- _____ Requires a Public Property Plumbing Contractor, registered and bonded with the District, to schedule inspections of the new service cut-in and the service extension to the defined point of connection.
- _____ Provide detail drawings of _____ (device).
- _____ Provide signed Multi-Tenant Developer Agreement for multiple tenant buildings without food service establishments.
- _____ Provide the Engineering Department with detailed flow calculations to support the estimated sewage flow stated on the Application.
- _____ A new Industrial/Commercial Application must be submitted for any new tenant that has a sewage discharge of non-domestic characteristics.
- _____ All deficiencies and required documentation must be satisfactorily completed and received by the District and the Service Connection Permit issued within sixty (60) days of the initial Industrial/Commercial Connection Review Letter.
- _____ After the sanitary service connection inspection has been complete, please contact **Nancy Sisson, Wastewater Pretreatment Inspector, (815) 387-7633**, to obtain the required *General Industrial/Commercial Wastewater Discharge Permit for a Food Service Establishment*.