

**CITY OF COLUMBUS WASTEWATER FACILITY
APPLICATION PACKET**

**SPECIAL WASTEWATER DISCHARGE FOR
DOMESTIC HAULERS**

City of Columbus ordinances allow for discharge of special wastewater not covered under a pretreatment permit as long as such wastewater is not detrimental to the treatment facility and its operations. This application allows for the discharge of approved compatible liquid wastes on a short term basis from approved domestic haulers.

All dischargers must provide evidence that assures that constituents within the wastewater to be discharged will not interfere with operations, create a pass-through condition, create a dangerous condition, or otherwise create a violation (Ordinance Sec 102-264 and 102-265). An "Application for Private Discharge Authorization" form must be approved by the City of Columbus prior to any private discharging. This authorization allows the City to determine if the private waste can be safely added to the system without disrupting or interfering with the treatment plant operation. During review of the application for authorization to discharge, the City Staff will determine whether the load requested is a regular domestic waste or a high strength-domestic waste load. This determination will help classify which type of testing must be conducted.

For loads classified as high strength-domestic waste mandatory testing is required. Testing will be conducted by Columbus Wastewater Treatment Facility Lab to determine the amount of BOD, Suspended Solids, and Phosphorus within the private load. Any amounts found above the accepted thresholds (BOD: 220 mg/l, SS: 200 mg/l, and Phosphorus: 13 mg/l) are subject to a waste fee. These fees will be in addition to the standard testing charge applied to every load tested and is based on the formulas provided on the invoice. If the tests show no elevated levels of BOD, suspended solids, or phosphorus then no waste fee will be added in addition to the standards testing charge.

If the load is classified as regular domestic waste there is no initial testing required. Although the load has no initial tests, it is still subject to randomized testing. This randomized testing may occur on any load at any time at the discretion of City Staff. This testing will determine the amount of BOD, Suspended Solids, and Phosphorus within the private discharge waste. If the tests produce levels of BOD, Suspended Solids, and Phosphorus below the accepted thresholds (BOD: 220 mg/l, SS: 200 mg/l, and Phosphorus: 13 mg/l) only the testing charge will be applied to the hauler and the waste can be discharged into the treatment facility. If the waste produces elevated levels of BOD, Suspended Solids, and/or Phosphorus above the accepted thresholds the load will then become classified as high strength domestic waste. Once classified as high strength domestic waste, waste fees will be applied to the private hauler. These fees will be in addition to the testing charge and are calculated using the formulas provided on the high strength domestic waste invoice.

In addition to the specific fees for regular domestic waste and high-strength domestic waste two common fees will be charged to private haulers for both regular and high strength domestic waste. First, an entry or gate fee of \$10.00 per load of private wastewater will be charged to all domestic haulers discharging into the system. This fee is designed to help offset costs for the time of the City Staff to accept this private load. The second fee is a volume charge based on the number of gallons discharged

into the system per load (\$7.17/ 1000 gallons). This fee is designed to offset the cost to process and treat the additional waste being added to the system. These two costs are for both regular and high strength domestic waste and are in addition to any testing charges or waste fees.

All domestic haulers must fill out the "Application for Private Wastewater Discharge Authorization" form each time they intent to bring a load to the treatment facility (Blank forms can be found at the Columbus Wastewater Treatment Facility). This documentation will help ensure the treatment facility will continue to operate under safe conditions at all times. After acceptance and approval to discharge private wastewater into the system, City Staff will invoice all private haulers the amount due from entry fees, volume fees, testing charges and waste fees. A step by step process to gaining approval to discharge private wastewater into the Columbus Treatment Facility is shown on the following page.

If you have any questions or comments please contact the City of Columbus at (920)-623-5900.

Sincerely,

City of Columbus Staff

This form is authorized under Sec 102-268 of the City Ordinances.

Sec. 102-268. Submission of basic data.

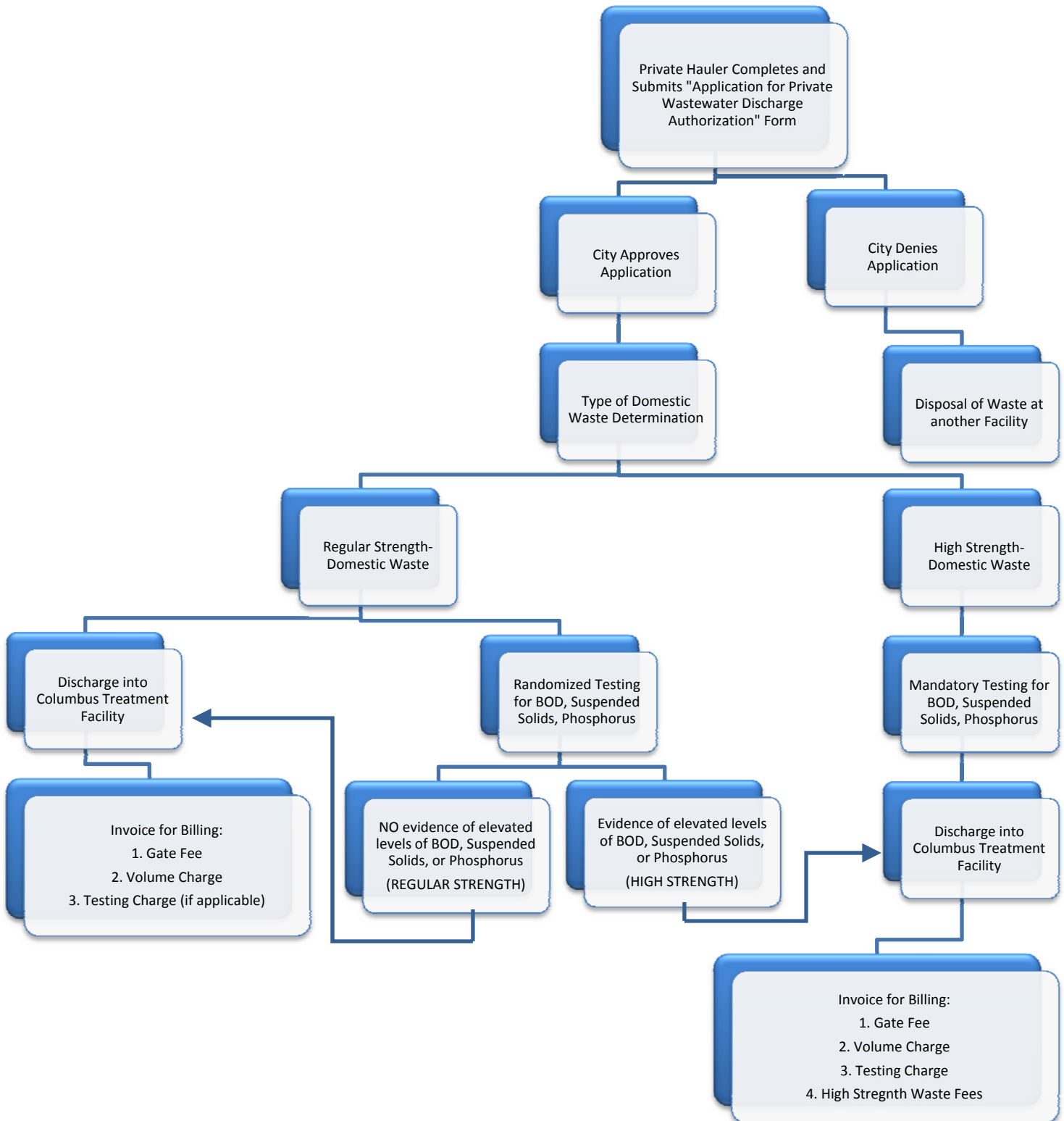
(a) Establishments discharging industrial wastes to a public sewer shall prepare and file with the approving authority a report that shall include pertinent data relating to the quantity and characteristics of the wastes discharged to the wastewater works. Such information shall be provided as per Wis. Admin. Code Ch. NR 101.

(b) Similarly, each establishment desiring to make a new connection to public sewer for the purpose of discharging industrial wastes shall prepare and file with the approving authority a report that shall include actual or predicted data relating to the quantity and characteristics of the waste to be discharged.

(Code 1978, §19.04(1) Reference: 40CFR 403.5)

Applications will not be processed unless all required information is submitted and applicable fees are paid. No partial applications will be accepted and final acceptance will be determined by City Staff.

Domestic Hauler Waste Discharge Process





CITY OF COLUMBUS

105 N. DICKASON BOULEVARD * COLUMBUS, WISCONSIN 53925-1565
920.623.5900 * FAX 920.623.5901* www.cityofcolumbuswi.com

APPLICATION FOR PRIVATE WASTEWATER DISCHARGE AUTHORIZATION

Applications will not be processed unless all required information for the specific application type is submitted and applicable fees are paid. **No partial applications will be accepted and final acceptance will be determined by City Staff.**

Sec. 102-301 through 102-360 of the Columbus municipal code provides that no person shall dispose or discharge any private wastewater into the City of Columbus Wastewater Treatment system without prior approval and consent from plant operator or designee.

Applicant Information:

Name: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: (H) _____ (C) _____

Fax: _____ Email: _____

Property Owner information (if different from Applicant):

Name: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: (H) _____ (C) _____

Fax: _____ Email: _____

Load Information:

Source of Discharge: _____

Discharge Type: Storm Sanitary Combined Other: _____

Description of Location: _____

Type of Pretreatment (if applicable): _____

Volume of Discharge (gallons): _____



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COLUMBUS

Attach lab results from a certified lab for all industrial/commercial hauler loads. Results must clearly show all results for the list of required tested for inorganic/metal compounds in addition to the test results for BOD, Suspended Solids, and Phosphorus.

Conditions of permit issuance. Conditions may be required by the common council if it finds them necessary to fulfill the purpose and intent of this chapter.

Exceptions. Exceptions from ordinance or standards for construction may be authorized by the Common Council. Notification will be provided to applicant when present on agenda for consideration by Common Council.

See Ch. 102-301 through 102-360 for information on the requirements for wastewater private disposal sites.

I certify that all the above statements and lab results submitted with this application are true and accurate. I consent to the entry in or upon the premises described in this application by any authorized official of the City of Columbus for the purposes of inspection as may be required by law.

Date	Signature of Applicant
Date	Signature of Owner (if different from Applicant)

CITY STAFF USE ONLY

Waste Classification:

Domestic-Regular Waste Domestic-High Strength Waste

Industrial/Commercial Strength Waste (Note: Check if Property Owner completed Owner Preapplication to Discharge Private Wastewater Form.)

Approved: Signed: _____ Title: _____ Date: _____

Approval Conditions: _____

Denied: Signed: _____ Title: _____ Date: _____

Reason: _____

DOMESTIC HAULER DISCHARGE
FORM-REGULAR STRENGTH WASTE

INVOICE

City of Columbus
105 N. Dickason Blvd. Columbus, WI 53925
Phone 902.623.5900 Fax 920.623.5901
[e-mail]

DATE: OCTOBER 7, 2011
INVOICE # [100]

TO [Name]
[Company Name]
[Street Address]
[City, ST ZIP Code]
[Phone]
Customer ID [ABC12345]

SALESPERSON	JOB	PAYMENT TERMS	DUE DATE
		Due on receipt	

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
	Number of Loads	\$10.00	
	Gallons of discharge into Wastewater Treatment Facility	\$7.17/1000 gal	
	Randomized Testing Charge-When Sampled	\$25.00	

SUBTOTAL	
SALES TAX	
TOTAL	

Make all checks payable to CITY OF COLUMBUS

Thank you for your business!

**Formulas used by the City of Columbus for High Strength Waste
Domestic Haulers Discharging into the Treatment Facility**

HIGH STRENGTH DOMESTIC WASTE FEES:

BOD \$ = mg/L BOD-220 * 8.34 * .864 * volume/1000000

.864 is cost per pound of BOD

= _____ mg/L BOD-220 * 8.34 * .864 * _____ /1000000 = \$ _____

Suspended Solids \$ = mg/L SS-220 * 8.34 * .717 * volume/1,000,000

.717 is cost per pound of suspended solids

= _____ mg/L SS-220 * 8.34 * .717 * _____ /1,000,000 = \$ _____

Phosphorus \$ = mg/L P-13 * 8.34 * 3.979 * Volume/1,000,000

3.979 is cost per pound of phosphorus

= _____ mg/L P-13 * 8.34 * 3.979 * _____ /1,000,000 = \$ _____

TOTAL WASTE FEES = BOD \$ + Suspended Solid \$ + Phosphorus \$

TOTAL WASTE FEES = _____ + _____ + _____ = \$ _____