

# BERGEN COUNTY UTILITIES AUTHORITY

## Industrial Pretreatment Program

### Application or Renewal Application for a Waiver and Permit to Discharge Treated Groundwater

The Applicant being the  Owner  Tenant (If the applicant is not the owner of the property, the applicant shall submit written consent of the property owners, and one (1) copy of the lease (title and signatory pages only) does hereby request a permit to discharge industrial process wastewater to the BCUA Treatment Works.

PREFACE: Every effort has been made to simplify the following application. If this is for a renewal application, please be advised that **renewal applications must be returned a minimum of 180 days prior to expiration of the current Permit.** If there are any questions with regard to the completion of this application, please contact the BCUA's Industrial Pretreatment Program at (201) 807-8631.

#### **Section A - General Information**

Facility: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

#### **Mailing Address**

(If same as above, please check here  )

Facility: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

#### **Type of Ownership for Facility(s)**

Private:  Yes  No  
Public Agency:  
Municipal:  Yes  No  
State:  Yes  No  
Federal:  Yes  No

Utility:  
Private:  Yes  No  
Public:  Yes  No  
Other:  Yes  No  
(specify) \_\_\_\_\_

**Designated Signatory Authority of Facility**

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_

**Designated Contact/Operator of Facility**

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_

**Consultant**

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_

**Consulting Firm**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**Section B - Fees**

The applicant shall fill in the following information and submit the appropriate fees:

Gallons per day (daily average) of treated groundwater discharged to the sewer: \_\_\_\_\_

Application fee per Application Fee Schedule. *THIS FEE MUST BE SUBMITTED WITH THIS APPLICATION.* Make checks payable to the Bergen County Utilities Authority. (Not applicable to Permit Renewal Applications) \$ \_\_\_\_\_

Annual Fee, per Annual Fee Schedule. This fee need not be paid until the Authority advises applicant of intent to issue the permit. \$ \_\_\_\_\_

**TREATED GROUNDWATER DISCHARGE PERMIT  
APPLICATION FEE SCHEDULE**

<u>Average Daily Discharge Flow (gpd)</u>	<u>Application Fee (\$)</u>
≤999	500
1,000 - 1,999	1,000
2,000 - 4,999	2,000
5,000 - 9,999	2,500
10,000 - 24,999	3,000
≥25,000	4,000

**TREATED GROUNDWATER DISCHARGE PERMIT  
ANNUAL FEE SCHEDULE**

<u>Average Daily Discharge Flow (gpd)</u>	<u>Annual Fee (\$)</u>
≤999	750
1,000 - 1,999	1,500
2,000 - 4,999	2,000
5,000 - 9,999	2,500
10,000 - 24,999	3,250
≥25,000	4,500

## **Section C - Submittal Requirements**

In accordance with the specific requirements set forth in the Rules and Regulations for the Direct and Indirect Discharge of Wastewater to the Bergen County Utilities Authority Treatment Works, the following shall be submitted:

1. Applicant shall submit a description of the pretreatment system or proposed pretreatment system, including a list of all equipment to be used, schematics of proposed treatment system, and description of target pollutants to be treated through each unit process of the proposed treatment system.
2. Applicant shall submit a site plan of the property with location of structures, test wells, treatment system, connection or proposed connection into sanitary sewer, sampling points, and other relevant information, if not already submitted.
3. Applicant shall submit a description of flow meter or other equipment that shall be utilized to monitor the flow of treated groundwater discharged to the sewer system, if not already submitted.
4. Applicant shall submit an explanation as to why proposed discharge of groundwater into the sanitary sewer represents the best or only disposal method available compared to surface water, storm sewer, subsurface reinjection well, or off-site disposal. This is to justify waiving the BCUA's prohibition against the discharge of groundwater into the BCUA Treatment Works.
5. Applicant shall submit a plan to discontinue the discharge of treated groundwater to the sewer system during wet weather periods to reduce the impact of the discharge on the BCUA Treatment Works during periods of high demand, if not already submitted. The plan shall include, at a minimum, a description of the methodology and/or instrumentation that will be utilized to discontinue the discharge during wet weather. For the purposes of this section, a wet weather event is defined as rainfall resulting in accumulation of greater than one (1) inch during less than one twenty-four (24) hour period, or rainfall of any amount of a duration greater than one twenty-four (24) hour period.
6. Applicant shall submit a report of analytical results of expected pollutants and a list of analytical methods used.
7. Applicant shall submit a description of sampling preservation and chain of custody procedures.
8. Applicant shall submit a description of expected duration of discharge, volume of wastewater, and rate of discharge.
9. Applicant shall submit copies of receipts from Municipal Environmental Commission, Planning Board, Construction Official, and Licensed Collection System Operator providing written notification to those local agencies of discharge or proposed discharge of treated groundwater into sanitary sewer with, at a minimum, a description and reason for the activity or proposed activity.
10. If the applicant is not the owner of the property, the applicant shall submit written consent of the property owners, and one (1) copy of the lease (title and signatory pages only).

**Section D - Compliance with Permit Limits**

Applicant shall indicate known or expected concentrations or quantity of the following pollutants in the wastewater discharge.

<u>Pollutant</u>	<u>Concentration</u>	<u>BCUA Standard</u>	<u>Not Expected</u>
Biochemical Oxygen Demand	_____ mg/l	350 mg/l*	<input type="checkbox"/>
Total Suspended Solids	_____ mg/l	350 mg/l*	<input type="checkbox"/>
Copper	_____ mg/l	1.0 mg/l	<input type="checkbox"/>
Oil or Grease (Non-Petroleum Origin)	_____ mg/l	200 mg/l	<input type="checkbox"/>
Oil or Grease (Petroleum Hydrocarbons)	_____ mg/l	100 mg/l	<input type="checkbox"/>
pH	_____ Std. Unit	5.5-9.5	
Other compounds:			
Acrolein	_____ mg/l	0.30 mg/l	<input type="checkbox"/>
Acrylonitrile	_____ mg/l	8.40 mg/l	<input type="checkbox"/>
Benzene	_____ mg/l	0.85 mg/l	<input type="checkbox"/>
Bromoform	_____ mg/l	1.00 mg/l	<input type="checkbox"/>
Carbon Tetrachloride	_____ mg/l	0.15 mg/l	<input type="checkbox"/>
Chlorobenzene	_____ mg/l	10.60 mg/l	<input type="checkbox"/>
Chloroethane	_____ mg/l	21.50 mg/l	<input type="checkbox"/>
Chloroform	_____ mg/l	1.75 mg/l	<input type="checkbox"/>
1,2-Dichlorobenzene	_____ mg/l	21.60 mg/l	<input type="checkbox"/>
1,4-Dichlorobenzene	_____ mg/l	26.30 mg/l	<input type="checkbox"/>
1,1-Dichloroethane	_____ mg/l	19.40 mg/l	<input type="checkbox"/>
1,2-Dichloroethane	_____ mg/l	4.50 mg/l	<input type="checkbox"/>
1,1-Dichloroethylene	_____ mg/l	0.14 mg/l	<input type="checkbox"/>
1,2-Trans Dichloroethylene	_____ mg/l	17.00 mg/l	<input type="checkbox"/>
1,2-Dichloropropane	_____ mg/l	21.20 mg/l	<input type="checkbox"/>
Ethyl Benzene	_____ mg/l	9.30 mg/l	<input type="checkbox"/>
Methylene Chloride	_____ mg/l	17.00 mg/l	<input type="checkbox"/>
1,1,2,2-Tetrachloroethane	_____ mg/l	3.85 mg/l	<input type="checkbox"/>
Tetrachloroethylene	_____ mg/l	1.80 mg/l	<input type="checkbox"/>
Toluene	_____ mg/l	8.10 mg/l	<input type="checkbox"/>
1,1,1-Trichloroethane	_____ mg/l	65.00 mg/l	<input type="checkbox"/>
1,1,2-Trichloroethane	_____ mg/l	8.60 mg/l	<input type="checkbox"/>
Trichloroethylene	_____ mg/l	3.30 mg/l	<input type="checkbox"/>
Trichlorofluoromethane	_____ mg/l	6.25 mg/l	<input type="checkbox"/>
Vinyl Chloride	_____ mg/l	0.005 mg/l	<input type="checkbox"/>
Cyanide	_____ mg/l	0.5 mg/l	<input type="checkbox"/>

*\*notification only*

**Section E- Certification**

Applicant shall indicate if proposed discharge of treated groundwater causes, threatens to cause, or is capable of causing alone or by interaction with other substances any of the following:

- fire or explosion hazard, including but not limited to wastestreams with a close cup flash point of less than 140°F or 60°F using the test methods specified in 40 CFR 261.21?  Yes  No
- obstruction of flow or injury to local sewer system or the Authority Treatment Works?  Yes  No
- toxic gases, vapors or fumes that may cause acute health or safety problems with personnel operating or maintaining the system or to the public?  Yes  No
- prevention of the effective operation or maintenance of the local sewer system or the Authority Treatment Works?  Yes  No
- a strong offensive odor or air pollution by the release of toxic or malodorous gases or malodorous gas producing substances?  Yes  No
- interference with the Authority’s treatment plant, effluent or any other product of the treatment process, residues, sludges, or scums, to be suitable for reclamation and reuse or disposal or to interfere with the reclamation and/or disposal process?  Yes  No
- a detrimental environmental impact or a nuisance in the waters of the State or a condition unacceptable to any public agency having regulatory jurisdiction over same or the right to withhold funds as a result thereof?  Yes  No
- discoloration or any other condition in the quality of the Authority Treatment Works effluent such that receiving water quality requirements established by law cannot be met?  Yes  No
- conditions at or near the Authority Treatment Works that violate any statute or any rule, regulation, or ordinance of any public agency, federal, state, county or local regulatory body?  Yes  No
- the Authority Treatment Works to be overloaded or cause excessive Authority collection or treatment costs?  Yes  No
- Does discharge of treated groundwater contain rain water, street drainage, subsurface drainage, or unpolluted water?  Yes  No
- Does discharge of treated groundwater contain any liquids, solids or gases which by reason of their nature of quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the Authority Treatment Works or its operation?  Yes  No
- Does discharge of treated groundwater contain any radioactive material? If yes, attach documentation authorizing use of radioactive materials and proof that all Federal, State, and Local regulations regarding the disposal of radioactive material are satisfied.  Yes  No

In consideration of granting a *Waiver and Treated Groundwater Discharge Permit*, the applicant certifies:

1. That sampling and analysis for this application is representative of expected pollutant discharges to the BCUA Treatment Works;
2. To furnish any additional information relating to the installation or use of the sewer for which this permit is sought as may be requested by the BCUA;
3. To accept and abide by all provisions of the Rules and Regulations for the Direct and Indirect Discharge of Wastewater to the Bergen County Utilities Authority Treatment Works and of all other pertinent Rules and Regulations, ordinances or requirements that may be adopted in the future;
4. To operate and maintain any groundwater pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the treated groundwater involved, in an efficient manner at all times and at no expense to the BCUA or municipalities;
5. To cooperate at all times with the BCUA and its representatives in their inspecting, sampling and study of the treated groundwater and any facilities provided for the pretreatment;
6. To notify the BCUA immediately in the event of any accident, negligence or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit; and
7. To be responsible for all costs incurred by the BCUA to correct or remedy the violation of any provision herein.

**Section F - Authentication**

We have personally examined and are familiar with the information submitted in this application, and we hereby certify under penalty of law that this information was obtained in accordance with applicable requirements. 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. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Authorized Representative:

_____	_____
Name	Signature
_____	_____
Title	Date

Qualified Professional:

_____	_____
Name	Signature
_____	_____
Title	Date

Submit Application and all required attachments to:

Bergen County Utilities Authority  
Industrial Pretreatment Program  
P. O. Box 9, Foot of Mehrhof Road  
Little Ferry, New Jersey 07643

Confidential Information:

Information and data on a user obtained from reports, surveys, wastewater discharge permit applications, wastewater discharge permits, and monitoring programs, and from the BCUA's inspection and sampling activities, shall be available to the public without restriction, unless the user specifically requests, and is able to demonstrate to the satisfaction of the BCUA, that the release of such information would divulge information, processes, or methods of production entitled to protection as trade secrets under applicable State law. Any such request must be asserted at the time of submission of the information or data. When requested and demonstrated by the user furnishing a report that such information should be held confidential, the portions of a report which might disclose trade secrets or secret processes shall not be made available for inspection by the public, but shall be made available immediately upon request to governmental agencies for uses related to the NPDES program or pretreatment program, and in enforcement proceedings involving the person furnishing the report. Wastewater constituents and characteristics and other "effluent data" as defined by 40 CFR 2.302 will not be recognized as confidential information and will be available to the public without restriction.