



REGULATED INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO. **XXX**

In compliance with the existing provisions of the City of Columbia Code of Ordinances, the Federal Clean Water Act (PL 95-217) and the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR Part 403), and any future supplements and/or changes thereto,

XXXXXX

(Industry Name)

XXXXXX

(Industry Address)

XXXXXX

(Industry Address)

XXXX

(Standard Industrial Classification Code(s))

is hereby permitted to discharge sewerage effluent into the City of Columbia's sewer lines at **ADDRESS** at a daily flow not to exceed **QUANTITY** gallons per day (GPD) and an instantaneous flow rate not to exceed **QUANTITY** gallons per minute (GPM).

This Permit is granted in accordance with:

- a. the Regulated Industrial Wastewater Survey Questionnaire/Discharge Permit Application dated **DATE RECEIVED**, a copy of which is attached hereto and made part of this Permit;
- b. any plans, specifications and/or other data submitted to and approved by the City in support of the above referenced Questionnaire/Application and on file in the office of the Pretreatment Program under File Reference: **XXXXXX**; and
- c. the effluent limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

This Permit shall become effective on **TBD**.

This Permit and authorization to discharge shall expire at midnight on **TBD**.

(Date)

(Wastewater Compliance Manager)



PART I - SPECIAL CONDITIONS

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this Permit and lasting through the expiration date of this Permit, discharges shall be limited and monitored by the Permittee as follows:

a. Limitations on Wastewater Strength

	Category		Monthly Average		Daily Maximum	
	Local	Local				
Flow	Local	Local	XXX GPD		XXX GPM	
Flow Rate (if needed)	Local	Local			XXX GPM	
pH	Local	Local	Min:	6.0	Max:	9.0
Parameter	Category		Monthly Average		Daily Maximum	
	Local		Mg/l	Lbs/Day	Mg/l	Lbs/Day
	Average	Maximum				
Oil and Grease	Local					
BOD	Local		M&R	M&R	M&R	XXX
TSS	Local		M&R	M&R	M&R	XXX
Ammonia	Local		M&R	M&R	M&R	XXX
Total Kjeldahl Nitrogen	Local		M&R	M&R	M&R	XXX
Total Phosphorous	NA		M&R	M&R	M&R	M&R
Arsenic, Total	Local		M&R	M&R	M&R	XXX
Cadmium, Total	Local		M&R	M&R	M&R	XXX
Chromium, Total	Local		M&R	M&R	M&R	XXX
Copper, Total	Local		M&R	M&R	M&R	XXX
Cyanide, Total	Local		M&R	M&R	M&R	XXX
Lead, Total	Local		M&R	M&R	M&R	XXX
Mercury, Total	Local		M&R	M&R	M&R	XXX
Nickel, Total	Local		M&R	M&R	M&R	XXX
Selenium, Total	Local		M&R	M&R	M&R	XXX
Silver, Total	Local		M&R	M&R	M&R	XXX
Zinc, Total	Local		M&R	M&R	M&R	XXX

BOD = 5-day Biochemical Oxygen Demand
 Local = POTW – Local Limit
 M&R = Monitor & Report
 MDL = Method Detection Limit
 NA = Not Applicable at this time
 POTW = Publicly Owned Treatment Works
 TSS = Total Suspended Solids



2. During the period beginning on the effective date of this Permit and lasting through the expiration date of this Permit, discharges shall be monitored by the Permittee as follows:

a. Monitoring Requirements

Parameter	Frequency of Monitoring	Sampling Point	Method of Collection	Method of Analysis
Flow	Daily	001	Continuous	--
pH	Weekly	001	Grab	40 CFR Part 136
BOD	Monthly	001	Composite	40 CFR Part 136
TSS	Monthly	001	Composite	40 CFR Part 136
Ammonia	Monthly	001	Composite	40 CFR Part 136
Total Kjeldahl Nitrogen	Monthly	001	Composite	40 CFR Part 136
Total Phosphorous	Semiannual	001	Composite	40 CFR Part 136
Arsenic, Total	Semiannual	001	Composite	40 CFR Part 136
Cadmium, Total	Semiannual	001	Composite	40 CFR Part 136
Chromium, Total	Semiannual	001	Composite	40 CFR Part 136
Copper, Total	Semiannual	001	Composite	40 CFR Part 136
Cyanide, Total	Semiannual	001	Grab	40 CFR Part 136
Lead, Total	Semiannual	001	Composite	40 CFR Part 136
Mercury, Total	Semiannual	001	Note 1	40 CFR Part 136
Nickel, Total	Semiannual	001	Composite	40 CFR Part 136
Selenium, Total	Semiannual	001	Composite	40 CFR Part 136
Silver, Total	Semiannual	001	Composite	40 CFR Part 136
Zinc, Total	Semiannual	001	Composite	40 CFR Part 136

Note 1 = EPA Analytical Method 245.1 or another approved analytical method in 40 CFR Part 136 with a lower method detection limit

3. Sampling point 001 shall be the location depicted on the diagram attached hereto and incorporated herein by reference as Attachment 1.
4. In addition to the above specified limitations and monitoring requirements, the pH of the effluent shall not be less than 6.0 standard units or greater than 9.0 standard units. pH measurements shall be conducted by a person who has obtained and possesses a valid Lab Certification from the South Carolina Department of Health and Environmental Control.
5. Flow monitoring data shall be submitted with monthly Discharge Monitoring Reports. Flow data shall include daily discharges and weekly discharge pH in a spreadsheet covering the flows during the reporting month.



6. Flow monitoring equipment shall be maintained according to the manufacturer's recommendations. A maintenance log shall be kept on site and available for review. Information shall include date(s) and time(s) of calibration if applicable to your flow monitoring equipment and any other pertinent activities related to Permittee's flow monitoring equipment. Flow monitoring equipment shall be calibrated at a minimum frequency of once every six months. Calibration records shall be maintained on-site and be made available to the City of Columbia upon request.
7. In addition to the above limitations and monitoring requirements, the Permittee shall not discharge or cause to be discharged into any portion of the sewerage system, directly or indirectly, any waste which may violate any law or governmental regulation or have an adverse or harmful effect on the sewerage system, wastewater treatment personnel or equipment, treatment plant effluent quality, or public or private property, or which otherwise endanger the public or the local environment or create a nuisance. Section 23-102 (Prohibited Discharges) of the City of Columbia's Sewer Use Ordinance is enclosed following the last page of the permit.
8. **Semiannual sampling shall be conducted in February and August of each calendar year.**

OR

Quarterly sampling shall be conducted in February, May, August, and November of each calendar year.

B. SCHEDULE OF COMPLIANCE

1. In accordance with Chapter 23 Article IV Section 23-105(h) of the City of Columbia Code of Ordinances, the Permittee shall comply with the following schedule:
To be determined in consultation with the Permittee during the comment period as required to comply with the final effluent limitations.
2. No later than fourteen (14) calendar days following a date identified in the above schedule of compliance, the Permittee shall submit either a report of progress or, in the case of specific actions being required by identified date, a written notice of compliance or non-compliance. In the latter case, the notice shall include the reason for non-compliance, any remedial actions taken, the date compliance is expected and steps being taken to return to the compliance schedule as originally set forth.



C. MONITORING AND REPORTING REQUIREMENTS

1. Samples and measurements shall be taken as required in Part 1.A.1.b and shall be representative of the volume and nature of "normal" daily operations as described and detailed in the Discharge Permit Application supporting this Permit.
2. Monitoring results shall be summarized monthly (reporting period) and reported on a Regulated Industrial Wastewater Discharge Monitoring Report provided by the City of Columbia. A copy of all monitoring data shall be submitted with the Discharge Monitoring Report.
3. Discharge Monitoring Reports shall be submitted by hand delivery or U.S. Mail no later than the 21st day of the month following the month this Permit becomes effective. For Discharge Monitoring Reports submitted by U.S. Mail, the report will be deemed submitted on the date postmarked and deposited in the U.S. Mail. For Discharge Monitoring Reports submitted by U.S. Mail, the City also requests that a courtesy copy of the Report be provided to the City on the same day by electronic mail to wastewater@columbiasc.gov.
4. Authorized or Duly Authorized Agent of the User.
 - (1) If the User is a corporation: (a) The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or (b) The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for individual wastewater discharge permit [or general permit {optional}] requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - (2) If the User is a partnership or sole proprietorship: a general partner or proprietor, respectively.
 - (3) If the User is a Federal, State, or local governmental facility: a director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or their designee.
 - (4) The individuals described in paragraphs 1 through 3, above, may designate a Duly Authorized Representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the facility from which the



- discharge originates or having overall responsibility for environmental matters for the company, and the written authorization is submitted to the City.
5. The "Monthly Average" discharge limit means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
 - a. For monthly reporting, the monthly average shall be the arithmetic mean of all samples collected during the report month.
 - b. For reporting periods greater than one month, the monthly average shall be the arithmetic mean of all monthly averages calculated as specified in Part I.C.4.a during the reporting period.

The arithmetic mean of any set of values is the summation of the individual values divided by the number of individual values.
 6. The daily flow limit expressed in this Permit is the 24-hour total flow.
 7. Daily Maximum is the highest average value recorded of samples collected on any single day during the calendar month.
 8. A "composite sample" shall be defined as one of the following types:
 - a. An effluent portion (of at least 100 ml) collected continuously over a 24-hour period of time at a rate proportional to flow unless another time period is approved prior to implementation.
 - b. A combination of not less than 8 effluent grab samples of constant (equal) volume at regular (equal) time intervals over a specified period of time (prior approval needed).

*Composite sampling shall be flow-proportional unless time-proportional composite sampling is authorized by the City of Columbia with approval by the South Carolina Department of Health and Environmental Control in accordance with Section 403.12(g)(3) of R.61-9 - *Water Pollution Control Permits*.

All samples shall be properly preserved in accordance with 40 CFR Part 136. Flow shall be documented for the compositing time period for use with the composite results to calculate mass. The Permittee shall document the method of compositing for composite samples.
 9. A "grab sample" is an individual discrete sample or single effluent portion of at least 100 milliliters collected at a time representative of the discharge and over a period not exceeding 15 minutes and retained separately for analysis.



10. Weekly sampling shall be between Sunday and Saturday of a calendar week.
11. Instantaneous maximum or minimum is the highest or lowest value recorded of all samples collected during the calendar month.
12. Testing and sampling procedures for the analysis of pollutants as required in Part I.A.1.b above, shall conform with procedures contained in 40 CFR Part 136 and amendments thereto and shall be performed by a laboratory certified by the South Carolina Department of Health and Environmental Control.
13. If the Permittee monitors any pollutant at the location(s) designated herein more frequently than required in Part I.A.1.b using 40 CFR Part 136 test methods as specified herein, such increased frequency shall be reported, the results of such monitoring shall be included in the calculation and reporting of the values required in the Regulated Industrial Wastewater Discharge Monitoring Report, and a copy of the monitoring data shall be submitted with the Monitoring Report.
14. For each measurement or sample taken using 40 CFR Part 136 test methods, the Permittee shall record, at a minimum, the following information:
 - a. The exact place, date and time of sampling;
 - b. The method of compositing for composite samples (if applicable);
 - c. The dates the analyses were performed;
 - d. The person(s) who performed the analyses; and
 - e. The analytical techniques or methods used.
15. Practical Quantitation Limit (PQL) is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. It is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method-specific sample weights, volumes, and processing steps have been followed. It is also referred to as the reporting limit.
- 16.
17. If sampling performed by the Permittee indicates a violation, the Permittee shall notify the City of Columbia, Utility Operations, Wastewater Compliance Section at (803) 545-0203 within 24 hours of becoming aware of the violation. The Permittee shall also repeat the sampling and analysis and submit the results of the repeat analysis to the City of Columbia within 30 calendar days after becoming aware of the violation.
18. Regulated Industrial Wastewater Discharge Monitoring Reports, and all other reports required herein, shall be submitted to:



Industrial Pretreatment Program Coordinator
City of Columbia
Utility Operations
Wastewater Compliance Section – Pretreatment
1200 Simmon Tree Lane
Columbia, South Carolina 29201

19. Pounds per Day (lb/d) is a mass-based limitation that is determined by taking the Maximum Allowable Discharge Limitation and multiplying it by the Permittee's flow (MGD) times 8.34 lbs (weight of 1 gallon of water).

D. OTHER SPECIAL CONDITIONS

1. The Permittee shall pay to the City of Columbia an annual fee for this permit of \$200.00.
2. The Permittee shall submit an updated slug control plan to the City of Columbia for review and approval within 60 days of the effective date of this Permit. [The previous slug control plan was received by the City of Columbia on XXXXXX.]

OR

The Permittee is not required to submit a slug control plan at this time.

3. The Permittee shall pay to the City of Columbia an Industrial Surcharge based on the amount and nature of compliance monitoring and analysis required and any other costs associated with the Permittee for services under the Industrial Pretreatment Program. This surcharge will be invoiced to the Permittee by the City monthly.
4. The Permittee shall have an operator-in-charge who has been certified by the Environmental Certification Board of the SC Department of Labor, Licensing and Regulations. Your facility has been classified in Group XXX requiring an operator holding a minimum Grade X-X Wastewater Operator License. The Permittee shall provide for the performance of FREQUENCY treatment facility inspections by a certified operator of the appropriate grade in accordance with its Wastewater Construction Permit (Permit No. XXXX) issued by the SC Department of Health and Environmental Control.
5. Surcharge for excess BOD or suspended Solids, Section 23-108 of the City of Columbia Wastewater Services Ordinance: Should the Permittee discharge into the sanitary sewerage system a waste containing BOD concentration or suspended solids in excess of 300 milligrams per liter, the permittee shall pay an additional cost according to rates determined by City Council. The monthly surcharge will be assessed on each pound of BOD and each pound of suspended solids in excess of 300 milligrams per liter.



PART II - GENERAL CONDITIONS

1. All discharges authorized herein shall be consistent with the terms and conditions of this Permit. The discharge of any pollutant identified in this Permit more frequently than or at a level in excess of that authorized shall constitute a violation of the Permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new Regulated Industrial Wastewater Survey Questionnaire/Discharge Permit Application for review. Following such review, the Permit may be modified to specify and limit any pollutants not previously limited.
2. All discharges authorized herein shall be consistent with the terms and conditions of the City of Columbia Code of Ordinances, Chapter 23, Articles IV and V and all Federal and State requirements and limitations on wastewater discharges. Federal and State requirements and limitations on discharges shall apply in any case where they are more stringent than and/or omitted from reference in the requirements set forth in the City of Columbia's Ordinances.
3. In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the Permittee shall notify the succeeding owner or controller of the existence of this Permit by letter, a copy of which shall be forwarded to the City of Columbia, Utility Operations, Wastewater Compliance Section. THIS PERMIT IS NON-TRANSFERABLE.
4. In the event the Permittee needs and/or is required to have a plan to control slug discharges. For the purpose of this section, a slug discharge is any discharge of non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge. Should a slug control plan be required, the plan shall contain, at a minimum, the following elements:
 - a. Description of discharge practices, including non-routine batch discharges;
 - b. Description of stored chemicals;
 - c. Procedures for immediately notifying the City of Columbia, Utility Operations, Industrial Pretreatment Program Coordinator of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5(b), with procedures for follow-up written notification within five (5) days; and
 - d. If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site run-off, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, and/or measures and equipment for emergency response.
5. The Permittee is required to report all slug discharges, spills or malfunctions of pretreatment equipment immediately by phone and followed in writing to City of Columbia, Utility Operations, Wastewater Compliance Section, 1200 Simmon Tree Lane, Columbia, South



Carolina 29201 at (803) 545-0203. Such report must include, at a minimum, a description of the nature and duration of the discharge and the steps necessary to remedy the situation.

6. Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this Permit is prohibited. If, for any reason, the Permittee bypasses and/or does not comply with or will be unable to comply with any effluent limitations specified in this Permit, the Permittee shall notify the City of Columbia, Utility Operations, Wastewater Compliance Section, 1200 Simmon Tree Lane, Columbia, South Carolina 29201 at (803) 545-0203 of the bypass and/or noncompliance condition within 24 hours of becoming aware of the violation. The Permittee shall provide the following information to the Wastewater Compliance Section in writing, within five (5) working days of becoming aware of such conditions:
 - a. A description of the discharge and cause of non-compliance; and
 - b. The period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.
7. Any dilution of wastes which would otherwise exceed applicable maximum concentration limitations for any wastewater constituent is prohibited.
8. Upon promulgation of Federal Categorical Pretreatment Standards, the City will notify the applicable Regulated Industries of any additional requirements which may require modifications to or reissuance of this Permit. Should the Permittee wish to contest the determination that the Standards are applicable, the City will provide the necessary steps to take in contesting this determination. Within 180 days after the effective date of a Categorical Pretreatment Standard, any non-domestic discharger that will have to meet that new Standard must notify the City of its existence and fill out a Regulated Industrial Wastewater Survey Questionnaire/Discharge Permit Application and a sampling report as described in 40 CFR Part 403.12(b), as amended.
9. After notice and opportunity for a hearing, this Permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
 - a. Violation of any terms or conditions of this Permit, the City of Columbia Code of Ordinances, Chapter 23, Articles IV and V, and South Carolina Code governing wastewater discharge and/or the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR Part 403);
 - b. Obtaining this Permit by misrepresentation or failure to disclose fully all relevant facts;
or
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
10. The City may modify or reissue the Permit as local, state or federal regulations change or as needed to prevent pass through or interference, regardless of the expiration date.



11. Any person who violates any provision of this Permit, or plan approval related thereto, shall be deemed in violation of the City of Columbia Code of Ordinances and as such shall be financially responsible and liable to the City, in addition to normal service charges, surcharges for industrial wastes, Permit fees and/or Industrial Pretreatment Program Surcharges for all costs incurred by the City associated with the violation of the Ordinance/Permit, including, but not limited to, the following.
 - a. Cost of mileage and labor incurred in detecting and correcting the violation;
 - b. Laboratory analysis cost associated with detecting and correcting violation;
 - c. Additional treatment costs caused by the violation or associated with detecting and correcting the violation;
 - d. Repair and/or replacement of any part of the sewerage system damaged by the violation;
 - e. Any liability, damages, fines or penalties incurred by the City as a result of the violation; and
 - f. Other costs as are associated with the detecting and correction of the violations.
12. Any person who violates any provisions of this Permit or plan approval related thereto; or who knowingly makes any false statement, representation, or certification in any application, record, report, plan or other document or files required pursuant to this Permit; or who falsifies, tampers with or knowingly renders inaccurate any monitoring device; or who violates any final determination of the City as required by state or federal law shall be deemed in violation of the City of Columbia Code of Ordinances and as such may be deemed guilty of a misdemeanor and/or may be subject to civil penalties as provided for in the Code of Laws of South Carolina, 1976, section 6-11-285 not to exceed \$2,000.00 per violation per day.
13. Any person who knowingly makes any false statement, representation or certification in any application, record, plan or document or any provisions in this Permit; or who falsifies, tampers with or knowingly renders inaccurate any monitoring device, shall be deemed guilty of a misdemeanor and/or may be subject to a criminal penalty, punishable, upon conviction, in accordance with section 1-5 of the City of Columbia Code of Ordinances and its approved Enforcement Response Plan. Each day on which a violation shall continue shall be deemed a separate and distinct offense with a maximum penalty of \$500.00.
14. The Permittee agrees to allow authorized employees of the City of Columbia, the South Carolina Department of Health and Environmental Control, or the Environmental Protection Agency on the premises at any time for the purposes of inspection, records examination and sampling as connected with the Pretreatment Program.



15. The Permittee is required to maintain and make available for inspection upon request all records required by 40 CFR Part 403.12. The Permittee must also maintain for a period of three (3) years and make available for inspection upon request the following records.
 - a. The date, the exact place and time, the method and the name(s) of person(s) taking samples;
 - b. The date and time each analysis was performed;
 - c. The name of the person performing the analysis; and
 - d. The analytical techniques and results of analysis.
16. All reports prepared in accordance with the terms and conditions of this Permit shall be available for public inspection at the offices of the City of Columbia. Effluent data shall not be considered confidential.
17. If the Industrial User wishes to continue an activity regulated by this permit after the expiration date of this permit, the user must apply for and obtain a new permit. An Industrial User with a currently effective permit shall submit a new Discharge Permit Application (Regulated Industrial Wastewater Survey Questionnaire) 180 days before the existing permit expires, unless permission for a later date has been granted by the City's Wastewater Compliance Section.