

COPY



505 Swift Blvd. • Box 190 • Richland, Washington 99352 • (509) 942-7390 • FAX (509) 942-5666

Public Works Department
October 1, 2001

Mr. Roby D. Enge, Director
Environment, Safety and Health
Battelle Pacific Northwest Division
P. O. Box 999
MSIN P7-75
Richland, WA 99352

Re: Renewal of Industrial Wastewater Permit No. CR-IU005, William R. Wiley
Environmental Molecular Sciences Laboratory (EMSL)

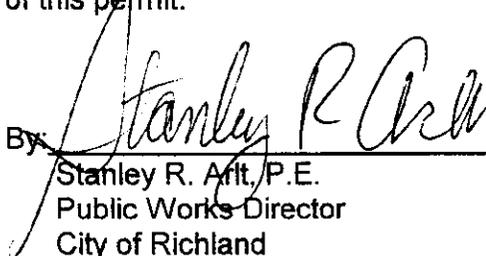
Dear Mr. Roby:

Your application for an industrial wastewater permit has been reviewed and processed in accordance with the City of Richland Municipal Code, Richland Pretreatment Act – Chapter 17.30.

The enclosed Permit No. CR-IU005 covers the wastewater discharged from the facility located at 3335 Q Avenue (Building 3020, 300 Area), into the City of Richland sewer collection system. All discharges from this facility, actions and reports relating thereto shall be in accordance with the terms and conditions of this permit.

If you wish to appeal or challenge any conditions imposed in this permit, a petition shall be filed in accordance with the requirements of City of Richland Municipal Code, Richland Pretreatment Act – Chapter 17.30, Part 3.9, within 30 days of your receipt of this correspondence. Pursuant to Part 3.9, failure to petition for reconsideration of the permit within the allotted time is deemed a waiver by the permittee of his right to challenge the terms of this permit.

By


Stanley R. Arlt, P.E.
Public Works Director
City of Richland

Issued : October 1, 2001



**CITY OF RICHLAND
INDUSTRIAL WASTEWATER DISCHARGE PERMIT
PERMIT NO. CR-IU005**

In accordance with the provisions of City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30,

BATTELLE MEMORIAL INSTITUTE
P.O. BOX 999
Richland, WA 99352

is hereby authorized to discharge industrial wastewater from the William R. Wiley Environmental Molecular Sciences Laboratory (EMSL), located at 3335 Q Avenue (Building 3020, 300 Area), Richland, Washington 99352 through the designated outfall identified herein into the City of Richland sewer system in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulations, standards, or requirements under local, state, and federal laws, including any such regulations, standards, requirements, or laws that may become effective during the terms of this permit.

Non-compliance with any term or condition of this permit shall constitute a violation of the City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30.

This permit shall become effective on **October 1, 2001** and shall expire at midnight on **September 30, 2006**.

If the permittee wishes to continue to discharge after the expiration date of this permit, an application must be filed for a renewal permit in accordance with the requirements of City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30, Part 3, Section 3.14, a minimum of 90 days prior to the expiration date.

By: 
STANLEY R. ARLT, P.E.
Public Works Director

Issued: October 1, 2001



TABLE OF CONTENTS

PART I - WASTEWATER DISCHARGE LIMITATIONS	3
A. DESCRIPTION OF OUTFALL.....	3
B. EFFLUENT LIMITATIONS	3
C. DISCHARGE PROHIBITIONS.....	4
PART II - MONITORING REQUIREMENTS	8
A. OUTFALL MONITORING REQUIREMENTS.....	8
PART III - REPORTING REQUIREMENTS	11
A. REPORTING OF MONITORING RESULTS.....	11
B. NOTIFICATION OF VIOLATION.....	11
C. ACCIDENTAL OR SLUG DISCHARGE	11
D. CHANGES IN WASTEWATER CHARACTERISTICS	11
E. UPSET.....	12
PART IV - SPECIAL CONDITIONS/COMPLIANCE SCHEDULES	13
A. ACCIDENTAL SPILL PREVENTION PLAN (ASPP).....	13
PART V - STANDARD CONDITIONS	15
A. COMPLIANCE	15
B. INSPECTION AND ENTRY	15
C. RECORD RETENTION	15
D. RECORDING OF RESULTS.....	16
E. ANALYTICAL METHODS	16
F. CONFIDENTIAL INFORMATION.....	16
G. PROPER OPERATION AND MAINTENANCE.....	16
H. DILUTION.....	18
I. PROPER DISPOSAL OF PRETREATMENT SLUDGES AND SPENT CHEMICALS	18
J. SIGNATORY REQUIREMENTS	18
K. EMERGENCY SUSPENSION OF SERVICE AND REVOCATION OF PERMIT.....	19
L. LIMITATION OF PERMIT TRANSFER.....	19
M. FALSIFYING INFORMATION OR TAMPERING WITH MONITORING EQUIPMENT	20
N. MODIFICATION OR REVISION OF THE PERMIT	20
O. DUTY TO REAPPLY.....	20
P. SEVERABILITY	20
Q. PROPERTY RIGHTS	21
R. FLOW MEASUREMENTS	21
S. BYPASS OF TREATMENT FACILITIES.....	21
T. ENFORCEMENT PROVISION	22



PART I - WASTEWATER DISCHARGE LIMITATIONS

The permit limits are based on General and Specific National Prohibited Discharges, [40 CFR 403.5 (a) and (b)], and a combination of local and federal limits, whichever are more stringent. All pertinent data is on file in the City of Richland's industrial pretreatment office.

A. DESCRIPTION OF OUTFALL

During the period the permit is effective, the permittee is authorized to discharge process wastewater to the City of Richland sewer system from the outfall listed below:

<u>Outfall</u>	<u>Description</u>
001	Manhole L-186, located on the northwest side of the EMSL facility.

B. EFFLUENT LIMITATIONS

During the period the permit is effective, the discharge from Outfall 001 shall not exceed the following effluent limitations:

EFFLUENT LIMITS

<u>Effluent Parameter</u>	<u>Unit of Measurement</u>	<u>Daily Maximum⁽¹⁾</u>
Flow	gallons per day (gpd)	< 10,000
pH	pH units	Effluent discharged into the City's collection system shall not have a pH less than 5.0 or greater than 10.0 at any time.
Arsenic	mg/L lbs/day	0.10 0.01
Cadmium	mg/L lbs/day	0.32 0.05
Chromium	mg/L lbs/day	1.74 0.26
Copper	mg/L lbs/day	1.30 0.19



EFFLUENT LIMITS

<u>Effluent Parameter</u>	<u>Unit of Measurement</u>	<u>Daily Maximum⁽¹⁾</u>
Cyanide	mg/L lbs/day	0.22 0.03
Lead	mg/L lbs/day	0.37 0.05
Mercury	mg/L lbs/day	0.02 0.003
Molybdenum	mg/L lbs/day	0.07 0.01
Nickel	mg/L lbs/day	2.32 0.34
Selenium	mg/L lbs/day	0.04 0.01
Silver	mg/L lbs/day	0.20 0.03
Zinc	mg/L lbs/day	1.04 0.15

Notes:

⁽¹⁾ The "Daily Maximum" is defined as the greatest allowable value for any calendar day.

C. DISCHARGE PROHIBITIONS

The permittee shall not discharge wastewater containing the following substances which meet any of the criteria listed below from any outfalls (City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30, Part 2, Section 2.1, Prohibited Discharge Standards):

General Prohibitions: No user shall introduce or cause to be introduced into the POTW any pollutant or wastewater which causes pass-through or interference. These general prohibitions apply to all users of the POTW whether or not they are subject to



categorical pretreatment standards or any other federal, state, or local pretreatment standards or requirements.

Specific Prohibitions: No user shall introduce or cause to be introduced into the POTW the following pollutants, substances, or wastewater:

1. Pollutants which create a fire or explosive hazard in the POTW, including, but not limited to, wastestreams with a closed-cup flashpoint of less than 140°F (60°C) using the test methods specified in 40 CFR 261.21;
2. Wastewater having a pH less than 5.0 or more than 10, or otherwise causing corrosive structural damage to the POTW or equipment;
3. Solid or viscous substances in amounts which will cause obstruction of the flow in the POTW resulting in interference;
4. Pollutants, including oxygen-demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference with the POTW;
5. Wastewater having a temperature which will inhibit biological activity in the treatment plant resulting in interference, but in no case wastewater which causes the temperature at the introduction into the treatment plant to exceed 104°F (40°C) unless the Approval Authority, upon the request of the POTW, approves alternate temperature limits;
6. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through;
7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
8. Trucked or hauled pollutants, except at discharge points designated by the City;
9. Noxious or malodorous liquids, gases, solids, or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or a hazard to life, or to prevent entry into the sewers for maintenance or repair;
10. Wastewater which imparts color which cannot be removed by the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent, thereby violating the City's NPDES permit. Color (in



combination with turbidity) shall not cause the treatment plant effluent to reduce the depth of the compensation point for photosynthetic activity by more than ten percent (10%) from the seasonably established norm for aquatic life;

11. Wastewater containing any radioactive wastes or isotopes except as specifically approved by the Public Works Director in compliance with applicable State or Federal regulations;
12. Storm water, surface water, ground water, artesian well water, roof runoff, subsurface drainage, swimming pool drainage, condensate, deionized water, non-contact cooling water and unpolluted wastewater, unless specifically authorized by the Public Works Director;⁽¹⁾
13. Any sludges, screenings, or other residues from the pretreatment of industrial wastes or from industrial processes;
14. Medical wastes, except as specifically authorized by the Public Works Director;
15. Wastewater causing, alone or in conjunction with other sources, the treatment plant's effluent to fail a toxicity test;
16. Detergents, surface-active agents, or other substances which may cause excessive foaming in the POTW;
17. Any liquid, solids, or gases which by reason of their nature or 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 POTW or to the operation of the POTW. At no time shall two (2) successive readings on an explosion meter, at the point of discharge into the system (or at any point in the system), be more than five percent (5%) nor any single reading over ten percent (10%) of the lower explosive limit (LEL) of the meter;
18. Grease, animal guts or tissues, paunch manure, bones, hair, hides or fleshings, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dusts, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar asphalt residues, residues from refining or processing of fuel or lubricating oil, mud or glass grinding or polishing wastes;
19. Any substance which will cause the POTW to violate its NPDES and/or other disposal system permits;
20. Any wastewater, which in the opinion of the Public Works Director can cause harm either to the sewers, sewage treatment process, or equipment; have an adverse effect on the receiving stream; or can otherwise endanger life, limb,



public property, or constitute a nuisance, unless allowed under special agreement by the Public Works Director (except that no special waiver shall be given from categorical pretreatment standards);

21. The contents of any tank or other vessel owned or used by any person in the business of collecting or pumping sewage, effluent, septage, or other wastewater unless said person has first obtained testing and approval as may be generally required by the City of Richland and paid all fees assessed for the privilege of said discharge;
22. Any hazardous wastes as defined in rules published by the State of Washington or in EPA rules 40 CFR, Part 261;
23. Persistent pesticides and/or pesticides regulated by the Federal Insecticide Fungicide Rodenticide Act (FIFRA).

Pollutants, substances, or wastewater prohibited by this Section shall not be processed or stored in such a manner that they could be discharged to the POTW.

Note:

⁽¹⁾ Small quantities of deionized water, non-contact cooling water, etc., have been authorized by the Public Works Director



PART II - MONITORING REQUIREMENTS

A. MONITORING REQUIREMENTS

All samples, excluding pH, temperature and conductivity, shall be submitted to an Ecology accredited laboratory (refer to Part V. E.). The industrial user shall monitor Outfall 001 and comply with the following monitoring requirements:

<u>Parameter</u>	<u>Unit of Measurement</u>	<u>Sampling Frequency</u>	<u>Type of Sample</u>
Flow	gpd	per batch	See note #2
pH	units	per batch	grab
Conductivity	umhos/cm	per batch	grab
Biochemical Oxygen Demand (BOD)	mg/L	1/year	grab
Total Suspended Solids (TSS)	mg/L	1/year	grab
Ammonia, as Nitrogen (NH ₃ -N)	mg/L	1/year	grab
Antimony	mg/L	4/year	grab
Arsenic	mg/L	4/year	grab
Beryllium	mg/L	4/year	grab
Cadmium	mg/L	4/year	grab
Chromium	mg/L	4/year	grab
Copper	mg/L	4/year	grab
Cyanide	mg/L	4/year	grab
Lead	mg/L	4/year	grab
Mercury	mg/L	4/year	grab



<u>Parameter</u>	<u>Unit of Measurement</u>	<u>Sampling Frequency</u>	<u>Type of Sample</u>
Molybdenum	mg/L	4/year	grab
Nickel	mg/L	4/year	grab
Selenium	mg/L	4/year	grab
Silver	mg/L	4/year	grab
Thallium	mg/L	4/year	grab
Zinc	mg/L	4/year	grab
Total Phenols	mg/L	1/year	grab
Priority Pollutants	ug/L	1/year	grab

Notes:

1. During any monitoring activities specified in this permit, the effluent retention tank shall be thoroughly mixed before collection of sample.
2. The permittee shall maintain records on the date, time and amount of wastewater discharged to the POTW. Copies of the discharge documentation will be submitted at quarterly intervals with monitoring requirements specified above.
3. All samples must be handled in accordance with the specific container storage requirements, preservation techniques, and holding times identified in 40 CFR 136.3, Table II, to ensure sample integrity.
4. A "Grab" sample is an individual sample collected in less than 15 minutes. The grab sample shall be collected after the effluent retention tank is thoroughly mixed to obtain a representative sample.
5. Individual grab samples for total cyanide analyses will be checked for sulfide and chlorine residual interferences before the sample is preserved with sodium hydroxide to insure sample integrity.
6. Sampling and analytical methods used to meet the monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater*, unless otherwise specified in this permit or approved in writing by the Washington State Department of Ecology.



7. The permittee shall perform chemical analyses for metals and other toxic pollutants (cyanide and total phenols) as specified in Table III, 40 CFR Part 122, Appendix D. Results for metals shall be expressed as total values and reported as milligrams per liter (mg/L). If an analyte is reported as non-detectable, the permittee shall include the analytical detection limit (e.g. < 0.02 mg/L).
8. The permittee shall perform chemical analyses on the final effluent for organic priority pollutants listed in Table II, 40 CFR Part 122, Appendix D. Sampling will correlate with one of the quarterly monitoring intervals for metal analyses.
9. Sampling frequency of 4/year shall require permittee to collect samples at quarterly intervals (once in the first 3 months of the year, once in the second 3 months of the year, etc.) for the calendar year. For sampling purposes, the calendar year will begin in January and end with the month of December.
10. After two years of sampling data and full compliance with permit conditions, the permittee may petition the City to modify the sampling frequency in their industrial wastewater discharge permit.



PART III - REPORTING REQUIREMENTS

A. REPORTING OF MONITORING RESULTS

Monitoring results in Part II of this permit shall be summarized each month on a Discharge Monitoring Report form. The reports shall be submitted each month and are to be postmarked by the 15th of the following month. An additional 30 days will be allowed for submittal of metal and organic analyses reports. In the event that additional monitoring is conducted, all results shall be contained in the report. Legible copies of these and all other reports required of this permit shall be signed and certified in accordance with the requirements of Part V, Section J, Signatory Requirements, and submitted to the City pretreatment coordinator at the following address:

City of Richland
Wastewater Treatment Facility
Attn: Pretreatment Coordinator, MS27
P. O. Box 190
Richland, WA 99352

B. NOTIFICATION OF VIOLATION

If self-monitoring analytical results indicate a violation of discharge limits contained in this permit, the permittee must notify the City within 24 hours of becoming aware of the violation. The permittee must also repeat the sampling and submit the analysis to the City within 30 days of becoming aware of the violation.

C. ACCIDENTAL OR SLUG DISCHARGE

The industrial user shall notify the City immediately, either by person or by phone (942-7485, or during non-business hours, 539-3779), upon any accidental or slug discharge to the sanitary sewer as outlined in the Accidental Spill section of City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30, Part 4, Section 4.7. Formal written notification discussing circumstances and corrective actions shall be submitted to the City within five working days of occurrence.

D. CHANGES IN WASTEWATER CHARACTERISTICS

The industrial user shall notify the City, in person or by phone, 90 days prior to any substantial change in the volume or characteristics of the wastewater being introduced into the POTW from the permittee's industrial processes. Formal written notification shall be made at least ten days prior to such introduction, and the permittee shall obtain approval from the City to do so.



E. UPSET

1. Definition

For the purpose of this section, "Upset" means an exceptional incident in which there is unintentional and temporary non-compliance with applicable pretreatment standards because of factors beyond the reasonable control of the permittee. An upset does not include non-compliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless and/or improper operation.

2. Conditions Necessary for a Demonstration of Upset

A permittee who wishes to establish the affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, that:

- a. An upset occurred and the permittee can identify the specific cause(s) of the upset;
- b. The facility was, at the time, being operated in a prudent and workman-like manner and in compliance with applicable operation and maintenance procedures; and
- c. The permittee has submitted the following information to the City within 24 hours of becoming aware of the upset (if this information is provided verbally, a written submission must be provided within five working days):
 - (1) A description of the indirect discharge and cause of non-compliance.
 - (2) The period of non-compliance, including exact dates and times, or if not corrected, the anticipated time the non-compliance is expected to continue.
 - (3) Steps being taken and/or planned to reduce, eliminate, or prevent recurrence of the non-compliance.

3. Burden of Proof

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset shall have the burden of proof.

4. Permittee Responsibility in Case of Upset

The permittee shall control production of all discharges to the extent necessary to maintain compliance with applicable pretreatment standards upon reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost, or fails.



PART IV - SPECIAL CONDITIONS/COMPLIANCE SCHEDULES

A. ACCIDENTAL SPILL PREVENTION PLAN (ASPP)

The permittee shall continue to implement the ASPP for hazardous substances, as specified by the City's Identification of Potential Spill and Slug Discharge Sites and Pathways manual. The ASPP shall address the following categories of management practices and apply AKART (all known, available, and reasonable methods of prevention, control and treatment) at all times:

1. Prevention--The plan must include prevention practices--i.e., monitoring systems, non-destructive testing, labeling, covering or enclosing materials, equipment or process operations, and other techniques used to prevent materials or spills.
2. Containment--Containment practices used to contain or capture releases of materials within the industrial premises.
3. Mitigation--Mitigation practices for the cleanup and treatment of spill materials.
4. Ultimate Disposition--Practices for the proper disposal of spilled materials.
5. Education and Training--Education and training of staff on proper procedures.

Examples of management practices include, but are not limited to the following:

1. If appropriate, the permittee shall obtain a hazardous waste generator number from EPA or the state for proper disposal of hazardous wastes.
2. If the permittee utilizes a pretreatment system for the purpose of reducing pollutant levels, prior to discharge to the City sewer, a sampling site acceptable to the City shall be maintained downstream of the final pretreatment system for monitoring the industrial discharge. City personnel shall have access to the sample site during normal business hours and in the event of an emergency.
3. The permittee shall use spill prevention practices to preclude the discharge of any substance that violates the Prohibited Discharge Standards in City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30, Part 2, Section 2.1, or conditions of this permit.
4. In the event of a concentrated solutions spill, such as a tank failure, the permittee shall not discharge any spilled solution into the municipal sewer system unless laboratory test results indicated that the substance meets the conditions of this permit. The permittee shall receive approval from the City prior to any discharge of spilled solution.



5. The permittee shall maintain and inspect all process solution tanks on a regular basis. Any leaks shall be repaired promptly.
6. Any spent plating, etching, and other concentrated process tank solutions, which are not or cannot be pretreated to meet permit discharge limits shall be disposed of according to the Hazardous Waste Regulations of the State of Washington and EPA.
7. The permittee shall forward the following information regarding any concentrated process tank solutions to the City prior to discharge to the sewer system:
 - a. Volume of tank,
 - b. Method used to treat the discharge to meet the effluent limits of this permit, and
 - c. Heavy metal (Cd, Cr, Cu, Ni, Pb, Zn) content, pH and cyanide concentrations of the treated discharge.

Any concentrated solution tank discharge which has not been approved by the City or whose contents do not meet effluent limits of this permit shall be treated as a discharge violation of the permit, and subject to penalty.



PART V - STANDARD CONDITIONS

A. COMPLIANCE

The permittee shall comply with all the Prohibited Discharge Standards in City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30, Part 2, Section 2.1, and is responsible to take whatever steps are necessary to ensure discharge requirements of this permit are met.

B. INSPECTION AND ENTRY

The permittee shall allow the City of Richland pretreatment coordinator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit;
4. Sample or monitor for the purposes of assuring permit compliance, any substances or parameters at any location; and
5. Inspect any production, manufacturing, fabricating, or storage area where pollutants, regulated under the permit, could originate, be stored, or be discharged to the sewer system.

C. RECORD RETENTION

1. The permittee shall retain and preserve for no less than three (3) years any records, books, documents, memoranda, reports, correspondence, and any and all summaries thereof relating to monitoring, sampling, and chemical analyses made by or in behalf of the permittee in connection with its discharge.
2. All records pertaining to matters that are the subject of special orders or any other enforcement or litigation activities brought by the City, shall be retained and preserved by the permittee. All records shall be retained until all enforcement activities have concluded and all periods of limitation, with respect to any and all appeals, have expired.



3. All records required by the permit shall be available for review at reasonable times by authorized representatives of the City.

D. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the user shall record the following information:

1. The exact place, date, and time of sampling;
2. Who performed the sampling and measurements;
3. The dates the analyses were performed;
4. The person(s) who performed the analyses;
5. The analytical techniques or methods used; and
6. The results of all required analyses.

E. ANALYTICAL METHODS

All analyses to determine compliance with permit limits shall be performed in accordance with 40 CFR, Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act" and amendments, or with any other current test procedures approved by EPA or the Washington State Department of Ecology. Analytical techniques for additional pollutants not contained in Part 136 must be performed by using validated analytical methods approved by EPA [40 CFR 403.12(b)(5)(vi)].

The analysis of samples collected pursuant to the requirements of this permit shall be performed by an Ecology accredited laboratory.

F. CONFIDENTIAL INFORMATION

Except for data determined to be confidential under City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30, Part 7, all reports required by this permit shall be available for public inspection at the City of Richland's industrial pretreatment office.

G. PROPER OPERATION AND MAINTENANCE

The permittee shall keep and maintain an operation and maintenance log on all facilities and systems of treatment and control (and related appurtenances), which are installed or used by the permittee to achieve compliance with the conditions of this



permit. The language in the permit referring to "pretreatment" refers to both administrative measures and physical systems. Proper operation and maintenance includes, but is not limited to effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

Water conservation practices, i.e., turning off hoses and faucets when not in use, source reduction, reuse, recycling, shall be used to reduce total effluent volume. Incoming rinse water shall be turned off and shut-off devices shall be closed at all times that the facility is not operating, i.e., nights, weekends, and holidays, to prevent accidental spills. Waste preventative practices shall be used to reduce or eliminate contaminate loading to the municipal sewer system. These will include, but will not be limited to, minimizing excessive dragout of cleaning, stripping, etching, and plating solutions. In addition, the following practices shall be used:

1. Chemicals stored in bulk chemical storage buildings shall be stored in a manner which will prevent the entry of these solutions into the sanitary sewer, storm sewer, or waters of the state. Chemical process tanks shall be located in an area that shall have no-outlet to the city sewer systems or waters of the state.

Less than 90-day accumulation for waste chemicals, chemical sludges, paint sludges, or other hazardous waste pursuant to WAC 173-303-200(1) shall take place in containers which meet the integrity requirements of WAC 173-303-630. Such containers will be provided with secondary containment meeting the requirements of WAC 173-303-630(7) in order to prevent spills to the sanitary sewer system, storm sewer system, or waters of the state. Waste chemicals, chemical sludges, paint sludges or other hazardous waste shall be disposed of according to EPA and Ecology regulations. The permittee shall provide positive protection (e.g. shut-off devices) for all drains located in permitted storage facilities. Bulk chemicals shall be stored and dispensed in areas that eliminate potential spills to the sanitary sewer system, storm sewer system, or waters of the state. Non-compatible bulk chemicals must be segregated.

2. No paint booth wastes or solvents shall be discharged to the sanitary sewer unless they meet the provisions of this permit, and are approved by the City.
3. The permittee shall provide access to a water and/or sewer meter which can provide accurate information regarding sanitary, industrial process wastewater, and cooling water discharges to the sewer.



H. DILUTION

The permittee shall not increase the use of potable or process water, or in any way intentionally attempt to dilute the final discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

I. PROPER DISPOSAL OF PRETREATMENT SLUDGES AND SPENT CHEMICALS

The disposal of generated sludges and spent chemicals shall be done in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act, and any state hazardous waste requirements.

J. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the City shall be signed and certified as follows:

1. All permit applications shall be signed by either a principal executive officer or ranking official.
2. All reports required by this permit and other information requested by the City shall be signed by a person described above, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described above and submitted to the City, and
 - b. The authorization specifies either individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
3. If an authorization under J.2.b is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of J.2.b must be submitted to the City prior to or together with any reports, information, or applications to be signed by an authorized representative.

4. Any person signing a document under this section shall make the following certification:

" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

K. EMERGENCY SUSPENSION OF SERVICE AND REVOCATION OF PERMIT

The City may, without advance notice, order the suspension of the wastewater treatment service and revoke the industrial wastewater discharge permit to a permittee when it appears to the City that an actual or threatened discharge:

1. Presents or threatens an imminent or substantial danger to the health or welfare of persons or substantial danger to the environment; or
2. Threatens to interfere with the operation of the POTW, or to violate any pretreatment limits imposed by the code.

The permittee notified of the City's suspension order shall immediately cease all discharges. In the event of failure of the permittee to comply with suspension orders, the City may immediately take all necessary steps to halt or prevent any further discharge by such permittee into the POTW. The City shall have the authority to physically cap, block, or seal the permittee's sewer line (whether public or private property) in order to terminate service; the City shall have the right to enter upon the permittee's property to accomplish the capping, blocking, or sealing of the permittee's sewer line; the City may also commence judicial proceedings immediately thereafter to compel the permittee's specific compliance with such order and/or to recover civil penalties. The City shall reinstate the industrial wastewater discharge permit and/or wastewater treatment service upon clear and convincing proof by the permittee of the elimination of the non-complying discharge or conditions creating the threat as set forth above.

L. LIMITATION OF PERMIT TRANSFER

Industrial wastewater discharge permits are issued to a specific user for a specific operation and are not assignable to another business or company, or transferable to any other location without the prior written approval of the City. Sale of a permittee's

business shall obligate the purchaser to seek prior written approval of the City for continued discharge to the city sewer system.

M. FALSIFYING INFORMATION OR TAMPERING WITH MONITORING EQUIPMENT

Knowingly making any false statement on any report or other document required by this permit or knowingly rendering any monitoring device or method inaccurate may result in punishment under the criminal laws of the City, as well as being subjected to civil penalties.

N. MODIFICATION OR REVISION OF THE PERMIT

1. The terms and conditions of this permit may be subject to modification by the City at any time that limitations or requirements, as identified in the City's ordinance, are modified or other just cause exists.
2. This permit may also be modified to incorporate special conditions resulting from the issuance of a special order.
3. The terms and conditions may be modified as a result of EPA promulgating a new federal pretreatment standard.
4. Any permit modifications which result in new conditions in the permit shall include a reasonable time schedule for compliance as necessary.
5. The permittee may file a request for permit modification or revision provided such request does not create a violation of any existing applicable requirements, standards, laws, or rules and regulations.

O. DUTY TO REAPPLY

The City shall notify the permittee 180 days prior to the expiration of the permittee's permit. Within 90 days of the notification, the permittee shall reapply for reissuance of the permit on a form provided by the City.

P. SEVERABILITY

If any position, paragraph, word, or section of this permit is invalidated by any court of competent jurisdiction, the remaining provisions, paragraphs, words, and sections shall not be affected and continue in full-force and effect.



Q. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of federal, state, or local regulations.

R. FLOW MEASUREMENTS

If flow measurement is required by this permit, the appropriate flow measurement devices and methods consistent with approved scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than ten percent (10%) from true discharge rates throughout the range of expected discharge volumes. The flow measurement device must be approved by the City before installation.

S. BYPASS OF TREATMENT FACILITIES

1. Definitions:

- a. "Bypass" means the intentional diversion of wastestreams from any portion of a permittee's treatment facility.
- b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

2. Bypass Not Violating Applicable Pretreatment Standards or Requirements

The permittee may allow any bypass to occur which does not cause applicable pretreatment standards or requirements to be violated, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of paragraphs 3 and 4 of this section.

3. Notice:

- a. If the permittee knows in advance of the need for a bypass it shall submit notification to the City, if possible, at least ten (10) working days prior to the date of the bypass.
- b. The permittee shall submit verbal notice of unanticipated bypass that exceed applicable pretreatment standards to the City within 24 hours from the time the permittee becomes aware of the bypass. A written submission shall also be provided within five (5) working days of the time



the permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause, the duration of the bypass, including exact dates and times and, if the bypass has not been corrected, the anticipated time it is expected to continue and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass. The City may waive the written report on a case-by-case basis if the verbal report has been received within 24 hours.

4. Prohibition of Bypass

- a. Bypass is prohibited and the City may take enforcement action against the permittee for a bypass, unless:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal equipment downtime or preventative maintenance; and
 - (3) The permittee submitted notices as required under paragraph 3 of this section.
- b. The City may approve an anticipated bypass, after considering its adverse effect, if the City determines that it will meet the three conditions listed in paragraph A of this section.

T. ENFORCEMENT PROVISION

The City may seek any or all of the remedies or penalties provided in City of Richland Municipal Code, Richland Pretreatment Act - Chapter 17.30, including recovery costs incurred by the City, in response to the following:

1. Any violation by the permittee of the provision of the industrial wastewater discharge permit;
2. Any violation by the permittee of the provisions of the City code; and
3. Any violation by the permittee of any order of the City with respect to provisions set forth in the industrial wastewater discharge permit or the City Code.



The range or severity of remedial actions taken by the City against the permittee will be determined by, but not limited to the nature, duration, frequency, etc., of the violation.