

## SCHEDULE “C”

### HALIFAX REGIONAL WATER COMMISSION

### SCHEDULE OF RULES AND REGULATIONS FOR WASTEWATER SERVICE

(Effective for wastewater services rendered on and after March 3, 2008)

#### Definitions

1. In this Schedule of Rules and Regulations (“Regulations”), unless the context otherwise requires, the expressions:
  - a) **“Commission”** means the Halifax Regional Water Commission, a body corporate;
  - b) **“Municipality”** means the Halifax Regional Municipality;
  - c) **“Customer”** means a person, firm, or corporation who or which arranges to be supplied with wastewater service at a specified location or locations;
  - d) **“Board”** means the Nova Scotia Utility and Review Board;
  - e) **“Wastewater Building Service Connection”** means a piping system that conveys sewage or liquid waste from a property to a sewer main;
  - f) **“Biochemical Oxygen Demand”** means the quantity of oxygen utilized, expressed in milligrams per litre, in the biochemical oxidation of matter within a 120 hour period at a temperature of 20 degrees centigrade;
  - g) **“Blow Down”** means the discharge of recirculating non-contact cooling water for the purpose of discharging materials contained in the water;
  - h) **“Chemical Oxygen Demand”** means the quantity of oxygen utilized in the chemical oxidation of organic matter under standard laboratory procedure, expressed in milligrams per litre;
  - i) **“Combined Sewer”** means a sewer intended to function simultaneously as a stormwater and a wastewater sewer;
  - j) **“Combustible Liquid”** means a liquid that has a flash point not less than 37.8 degrees Celsius and not greater than 93.3 degrees Celsius;

- k) **“Cooling Water”** means water that is used in a process for the purpose of removing heat and that has not, by design come into contact with any raw material, intermediate product, waste product, or finished product, but does not include blow down water;
- l) **“Discharge”** means to discharge, release, permit or cause to be discharged into the Commission wastewater facilities;
- m) **“Discharger”** means the owner, occupant or a person who has charge, management or control of effluent, sewage, stormwater, uncontaminated water or any combination thereof, which is discharged to the Commission wastewater facilities;
- n) **“Fuel”** includes alcohol, gasoline, naphtha, diesel fuel, fuel oil or any other ignitable substance intended for use as a fuel;
- o) **“Hauled Industrial Wastewater”** means any industrial wastewater transported to and deposited into any location in the municipal wastewater facilities;
- p) **“Industrial, Commercial or Institutional”** includes or pertains to industry, manufacturing, commerce, trade, business, or institutions, as distinguished from domestic or residential;
- q) **“Leachate”** includes any liquid that has percolated through solid waste and has extracted dissolved or suspended materials from it, including the liquid produced from the decomposition of waste materials and liquid that has entered the waste material from external sources including surface drainage, rainfall and groundwater;
- r) **“Pathological Waste”** includes those fluids or materials which may contain pathogens of human or animal origin;
- s) **“Pesticides”** includes any substance that is a pest control product within the meaning of the “Pest Control Products Act” (Canada) or a fertilizer within the meaning of the “Fertilizers Act” (Canada) that contains a pest control product;
- t) **“Phenolic Compounds”** means hydroxyl derivatives of benzene and its condensed nuclei;
- u) **“Wastewater”** means a sewer receiving and carrying liquid and water-carried wastes and to which storm, surface or groundwaters are not intentionally admitted;
- v) **“Sewage”** means the combination of liquid and water-carried wastes from buildings, containing animal, vegetable or mineral matter in suspension or solution, together with such groundwater, surface water or stormwater as might be present;

- w) **“Sewer”** means a pipe or conduit for carrying sewage, groundwater, stormwater or surface runoff, and includes all sewer drains, storm sewers, clearwater sewers, storm drains and combined sewers vested in, or under the control of, the Commission;
- x) **“Solvent Extractable Matter”** includes grease or oils from animal, vegetable, mineral or synthetic sources;
- y) **“Standard Methods”** means Standard Methods for the examination of water and wastewater by the utilization of analytical and examination procedures provided in the edition current at the time of testing, published jointly by the American Public Health Association and the American Water Works Association or any publication by or under the authority of the Canadian Standards Association for the testing of water and waterworks to determine water quality standards;
- z) **“Storm Sewer”** means a sewer that carries stormwater and surface runoff water, excluding sewage;
- aa) **“Suspended Solids”** means the insoluble matter suspended in wastewater that is separable by laboratory filtration;
- bb) **“Total Kjeldahl Nitrogen”** means organic nitrogen;
- cc) **“Uncontaminated Water”** means potable water or any other water to which no matter has been added as a consequence of its use;
- dd) **“Waste Radioactive Substances”** includes uranium, thorium, plutonium, neptunium, deuterium, their respective derivatives and compounds and such other substances as the Atomic Energy Control Board may designate as being capable of releasing ionizing radiation;
- ee) **“Wastewater Facilities”** means the structures, pipes, devices, equipment, processes or other things used, or intended, for the collection, transportation, pumping or treatment of sewage and disposal of the effluent;
- ff) **“Waste”** means any material discharged into wastewater facilities;
- gg) **“Wastewater”** means liquid waste containing animal, vegetable, mineral or chemical matter in solution or suspension carried from any premises.
- hh) **“Dwelling Unit”** means living quarters that are accessible from a private entrance either outside the building or in a common area within the building, are occupied or, if unoccupied, are reasonably fit for occupancy, contain kitchen facilities within the unit, and have toilet facilities that are not shared with the occupants of other dwelling units;

- ii) **“Infrastructure Charge”** means a charge levied as a condition of subdivision approval pursuant to a by-law adopted under the authority of Section 274 of the Municipal Act:
- jj) **“Large Volume”** means a discharge of wastewater from a single source of such a nature that it has a negative measurable impact on the operation of the collection or treatment systems of HRWC and would include such items as ships ballast, construction site dewatering or a change or expansion of an industrial process or institutional use that results in flows of the nature described above.

### **Wastewater Service**

- 2. The Commission is a water, wastewater and stormwater utility. The Commission collects a number of charges for the wastewater management services.

### **Liability for Payment of Wastewater Bills**

- 3. An agreement is deemed to exist between the customer and the Commission for the supply of wastewater services at such rates and in accordance with the Schedule of Rules and Regulations and the Schedule of Rates and Charges by virtue of:
  - a) The customer applying for and receiving approval for wastewater services;
  - b) The customer discharging water and/or wastewater into the sanitary sewer and/or combined sewer shall pay for wastewater service from the date that the customer who is a party to an agreement pursuant to clause 3(a). The customer of record moves out of the premises, in which case the customer of record shall remain jointly and severally liable for the wastewater service account up to the date the Commission is notified that the customer of record wishes to terminate the wastewater service.
- 4. At the direction of the Commission, a property owner who rents or leases a property or self-contained unit to a tenant or lessee may be required to open an account for the provision of wastewater service at the property rented or leased.
- 5. Any person, business or corporation that receives wastewater service without the consent of the Commission shall be liable for the cost of such wastewater service which cost shall be determined in the sole discretion of the Commission based upon its reasonable estimate of the amount of wastewater discharged.
- 6. Where service is supplied to a condominium unit, the Condominium Corporation in which the unit is situated shall be deemed the customer of record and shall be liable for payment of the wastewater bill for the condominium unit.

### **Deposits**

7. When required by the Commission, an applicant for wastewater service shall deposit with the Commission a sum equal to the estimated charges for six months of wastewater service. The deposit shall be held by the Commission as collateral security for the payment of the applicant's bills. When a customer ceases to use the wastewater service (fails to use water service), the deposit shall be returned to the customer with interest thereon at the current simple interest rate being paid by the Commission's chartered bank.

### **Payment of Bills**

8. Bills for wastewater service will be rendered as set out in the Schedule of Rates and Charges and are due and payable as noted therein.

### **Adjustment of Bills**

9.
  - (a) If the seal of a meter is broken or if the meter does not register correctly, the bill for that wastewater service shall be estimated in accordance with the rules and regulations for the supply of water service. If the premises is unmetered or a non-user of the water system, then the bill for wastewater service will be estimated in accordance with the best available data.
  - (b) Customers Under-billed - Should it be necessary for the Commission to make a billing adjustment as a result of a customer being under-billed for any reason, such adjustment shall be retroactive for a maximum of four billing periods or one year whichever is the longest. Notwithstanding the above, in the event that a billing adjustment is the result of the customer's illegal connection to the wastewater system, the billing adjustment in such circumstances will not be limited to one year or four billing periods, but rather the customer shall be responsible for all payments of such accounts from the date of such illegal connection.
  - (c) Customers Over-billed - Shall it become necessary for the Commission to make a billing adjustment as a result of a customer being over-billed for any reason, such adjustment will be estimated by the Commission, and the Commission will be responsible for payment of the over-billed amount with interest calculated on the basis current simple interest paid by the bank.

### **Suspension of Water Service for Non-Payment of Bills**

10. The Commission shall have the right to suspend water service to a customer whose bill remains unpaid for more than:
  - a) Forty (40) days in the case of customers who are billed for water service on a quarterly basis.

- b) Thirty-five (35) days in the case of customers who are billed for water service on a monthly basis.

### **Access to Customer's Premises**

- 11. Representatives of the Commission shall have the right of access to all parts of a customer's property or premises at all reasonable hours for the purpose of inspecting any sewer pipes, fittings, appliances, or for the purpose of installing, removing, repairing, testing or inspecting the wastewater service connection. The Commission shall have the right to use all legal means including suspension of water service to any customer who refuses such access or does not respond to requests by the Commission for such access.

### **Cross Connection of Wastewater and Stormwater Discharges**

- 12. The Commission may from time to time undertake testing for cross connections to the wastewater system.
- 13. No owner, customer, or other person hereinafter collectively referred to in this rule and regulation as "person" shall connect, cause to be connected, or allow to remain connected to the wastewater system or plumbing installation, without the express written consent of the Commission, any piping, fixtures, fitting or appliance in a manner which, under the circumstances, may allow water, stormwater, or any other liquid as specific elsewhere in these regulations to ingress or flow into the wastewater system. This regulation does not apply to existing premises currently connected to the combined sewer system.
- 14. Where in the opinion of the Commission, there may be a risk of water, stormwater and/or any other liquid as specified elsewhere in these regulations, flowing into the wastewater system, the Commission may require the customer, at the customer's sole cost and expense, to install (or remove) at any point on the customer's wastewater system, one or more fittings or appurtances to prevent such connection.
- 15. In the event of any breach, contravention or non-compliance by a customer of any of the provisions and regulations in Sections 13 or 14, the Commission may:
  - a) suspend water service to such customer, or
  - b) give notice to the customer to correct the breach, contravention or non-compliance within 96 hours, or other specified period. If the customer fails to comply with such notice, the Commission may immediately thereafter suspend wastewater and/or water service to such customer.

### **Plumbing to be Satisfactory**

- 16. Within the service boundary of the Commission, all plumbing, pipes, fittings, vents, fixtures, and other devices for conveying, distributing, controlling or handling wastewater, which are

used by a customer and are not the property of the Commission, shall be installed in a manner provided by the plumbing ordinance of the Municipality and be approved by the plumbing inspector of the Municipality. The wastewater shall not be connected (except for construction and testing purposes) until the applicant for service has satisfied the Commission that the requirements have been met. The supply of the water service may be discontinued at any time, if in the opinion of the Commission, the plumbing, pipes, fittings, vents, fixtures, and other devices as hereinbefore mentioned, or any of them, fail to comply with the above requirements. Wastewater service shall not be re-established until the condition is corrected to the satisfaction of the Commission.

### **Wastewater Building Service Connection**

17. Every wastewater building service connection shall be designed and constructed at the expense of the customer served by the connection, whether on privately owned property or not.
18. Should any person make application for more than one wastewater building service connection to a premises, the decision as to the necessity of the additional service connection shall be made by the Commission. All wastewater service connections shall be installed to the satisfaction of the Commission.
19. When a wastewater building service connection has been installed without objection from the customer as to location of the same, no subsequent removal of or alteration to the position of the service pipe shall be made except at the expense of the customer requesting such removal or alteration.
20. In the event of a change of the use of premises, by way of rezoning, re-subdivision, condominium conversion or otherwise, where such use would result in an increased occupancy of the premises, the owner of such premises shall apply to the Commission for a determination as to whether the existing wastewater building service connection(s) is/are of a suitable size to provide the increased demand required. The applicant may be required to provide a hydraulic analysis of the proposed wastewater generation and existing system capacity to determine the suitability of the service connection for the new use. In the event that the Commission, in its sole discretion, determines that the existing wastewater service connection(s) is/are not suitable, the owner shall comply with the requirements of the Commission with respect to the appropriate type and size of wastewater service connection to be utilized. All such wastewater service connections shall be installed at the owner's expense, from the main sewer line to the premises, and all installation shall be to the satisfaction of the Commission.
21. The Commission may require the owner of a property to cap off abandoned wastewater service connections at the sewer main line as prescribed by and without cost to the Commission.

### **Repairs to Wastewater Building Service Connections**

22. If a wastewater building service connection serving is obstructed, the following procedure shall be followed in removing the obstruction:
- a) The customer is responsible for the initial investigation and clearing of the obstruction. The customer shall secure the services of a licensed plumber to identify the cause and the location of the obstruction and take all necessary measures to remove the obstruction before requesting the Commission for assistance. The expenses of the plumber and any necessary video services shall be borne by the customer.
  - b) If the obstruction is located in the portion of the service connection on private property, the customer is responsible for all the costs of removal of the obstruction, including the expenses of any contractor to excavate and replace the pipe if necessary. The customer shall obtain any permits required by municipal by-laws and/or the Commission before commencing any excavation.
  - c) If the obstruction is located in the portion of the service connection on municipal property, and the plumber is unable to remove it pursuant to clause 22(a), the customer shall submit to the Commission a written report from the plumber and a video tape identifying the location and probable cause of the obstruction; and on receipt of the report and video tape, the Commission shall investigate the obstruction and if it is determined by the Commission that the cause of the obstruction was:
    - i) non-structural, the Commission shall advise the customer of its determination and the customer shall be responsible for clearing the obstruction, including replacing the pipe, if necessary;
    - ii) If the obstruction is caused by a broken, sheared, sagged or collapsed pipe or some other structural problem, the Commission will rectify the deficiency at its expense and reimburse the customer for the cost of plumbing and video services in an amount not exceeding \$250.00, including HST.

### **Discharge into the Wastewater System**

23. No person shall discharge into wastewater facilities, sewage or wastewater which causes or may cause or results or may result in:
- a) a health or safety hazard;
  - b) obstructions or restrictions to the flow in the wastewater facilities;
  - c) an offensive odour to emanate from wastewater facilities, and without limiting the generality of the foregoing, sewage containing hydrogen sulphide, mercaptans, carbon disulphide, other reduced sulphur compounds, amines, or ammonia in such

- d) quantity that may cause an offensive odour;
  - e) damage to the wastewater system;
  - f) interference with the operation and maintenance of wastewater facilities;
  - g) a restriction of the beneficial use of sludge from the Commission's wastewater facilities;
  - g) effluent from the Commission's wastewater facilities to be in violation of any Provincial or Federal Acts or Regulations.
24. No person shall discharge into wastewater facilities, sewage or wastewater with any one or more of the following characteristics:
- a) a pH less than 5.5 or greater than 9.5;
  - b) two or more separate liquid layers;
  - c) a temperature greater than 65 degrees Celsius.
25. No person shall discharge, into wastewater facilities, sewage or wastewater containing one or more of the following:
- i) combustible liquids;
  - ii) fuel;
  - iii) hauled sewage, hauled wastewater or leachate, except where written permission from the Commission has been obtained;
  - iv) ignitable waste including but not limited to, flammable liquids, solids, and/or gases, capable of causing or contributing to explosion or supporting combustion in wastewater facilities;
  - v) detergents, surface-active agents or other substances that may cause excessive foaming in the wastewater facilities;
  - vi) sewage containing dyes or colouring materials which pass through wastewater facilities and discolour the wastewater facility or effluent;
  - vii) pathological waste in any quantity;
  - viii) material containing polychlorinated biphenyls (PCBs);
  - ix) pesticides;
  - x) reactive materials;
  - xi) radioactive substances;
  - xii) leachate, except where the discharger has written permission from the Commission.
26. No person shall discharge, into wastewater facilities, sewage or wastewater containing a concentration in excess of any of the limits set out in Table 1:

**Table 1 - Concentration Limits - Wastewater Facilities**

<b>Substance</b>	<b>Milligrams Per Litre</b>
Aluminum, Total	50

Antimony, Total	5
Arsenic, Total	1
Barium, Total	5
Benzene	0.01
Beryllium, Total	5
Biochemical Oxygen Demand	300
Bismuth, Total	5
Cadmium, Total	1
Chemical Oxygen Demand	1000
Chlorides	1500
Chloroform	0.05
Chromium, Total	2
Cobalt, Total	5
Copper, Total	1
Cyanide, Total	2
1,2 - Dichlorobenzene	0.1
1,4 - Dichlorobenzene	0.1
cis - 1,2 - Dichloroethylene	4.0
Trans - 1,3 - Dichloropropylene	0.15
Ethylbenzene	0.15
Fluoride	10
Iron, Total	50
Lead, Total	1
Manganese, Total	5
Mercury, Total	0.01
Methylene chloride	0.2
Molybdenum, Total	5
Nickel, total	2

Oil & Grease - mineral or synthetic in origin	15
Oil & Grease - animal or vegetable in origin	150
o-Xylene	0.5
Phenolic Compounds (4AAP)	1
Phosphorus, Total	10
Selenium, Total	1
Silver, Total	2
Sulphates Expressed as SO <sub>4</sub>	1500
Suspended Solids, Total	300
1,1,2,2 - Tetrachloroethane	1.0
Tetrachloroethylene	1.0
Tin, Total	5
Titanium, Total	5
Toluene	0.01
Total Kjeldahl Nitrogen	100
Trichloroethylene	1.0
Vanadium, Total	5
Xylenes, Total	1.5
Zinc, Total	2

A reference to "Total" in this table denotes total concentrations of all forms of the metal and ion including both particulate and dissolved species.

27. No person shall discharge, into wastewater facilities, sewage or wastewater under circumstances where water has been added for the purpose of dilution to achieve compliance with Sections 24 and 26.
28. No person shall discharge cooling water or uncontaminated water to wastewater facilities unless the discharge has been permitted by the Commission.

**Grease, Oil, Sediment, Sand Traps or Interceptors**

29. Grease, oil, sediment and sand traps or interceptors shall be installed in all food service establishments or operations, vehicle service facilities, and car or truck washes when, in

the opinion of the Commission, such a device is necessary for the proper handling and control of wastewater being discharged to the Commission wastewater facilities.

30. Traps or interceptors shall be installed such that they are easily accessible for all aspects of cleaning and inspection.
31. Traps or interceptors shall be maintained by the owner or operator in a condition of continuous efficient operation at the owner's expense.
32. No retained or trapped oil, grease, sediment, sand, silt or other matter in any form shall be allowed to pass from the installed trap or interceptor into the wastewater facilities. Instead, removal of retained or trapped materials shall be achieved by pumping or other physical means and shall be hauled away and disposed of as required by law.
33. Whenever an inspection of an installed trap or interceptor results in a written notice for action on the part of the person(s) responsible for the installed device, such action shall be completed within the compliance period granted by the written notice.
34. The owner or operator of an establishment shall provide the Commission, upon request, with the frequency of inspection and maintenance of any installed grease, oil, sediment and sand traps or interceptors, as well as information as to the disposal method employed and location of hauled waste material.
35. Any reasonable request for inspection by the Commission shall be granted by the owner or operator of the establishment.

### **Reporting Requirements**

36. No industrial, commercial or institutional discharger shall discharge sewage, wastewater, cooling water, uncontaminated water or any combination thereof, to wastewater facilities without first submitting to the Commission reports as identified by the Commission.
37. If a discharger has been discharging to wastewater facilities prior to the enactment of these Rules and Regulations, the discharger shall comply with the requirements set out in Section 36 within thirty (30) days of receipt of written notice from the Commission.
38. The discharger shall provide written notification to the Commission of any changes to the information filed pursuant to Sections 36 and 37 within sixty (60) days of the change.

### **Discharger Self-Monitoring**

39. The discharger shall undertake the monitoring or sampling of any discharge to the wastewater facilities as may be required by the Commission, and provide the results in accordance with written notice from the Commission.

40. The obligations set out in or arising out of Section 39 shall be completed at the expense of the discharger.

#### **Extra Strength and Volume Surcharge Agreement**

41. Where large volumes of sewage, extra strength sewage or wastewater is discharged to wastewater facilities, the Commission may enter into a surcharge agreement with a discharger permitting exceedances of the limits set out in Section 26, including, but not limited to, any one or more of the following:
- a) biochemical oxygen demand;
  - b) solvent extractables - animal or vegetable in origin;
  - c) total kjeldahl nitrogen;
  - d) phosphorous, total;
  - e) suspended solids, total; or
  - f) large volumes.
42. The agreement may include terms and conditions under which the discharge is permitted and the method by which the Commission shall recover costs incurred by the pumping and treatment of the wastewater.
43. During the term of the agreement, the discharger shall be exempt from meeting the limits set out in Section 26 for the parameter(s) included in the agreement, if all conditions stipulated in the agreement are met.
44. Notwithstanding Section 41, where a discharger has entered into an extra strength surcharge or large volume agreement, any anticipated change in the information provided pursuant to Sections 36 to 38 inclusive must be submitted to the Commission prior to the change to allow an assessment of the impact of the change on the agreement.
45. The Commission may terminate the agreement at any time and the termination shall be effective within thirty (30) days of the delivery of a written notice to the discharger's site or head office.

#### **Compliance Agreement**

46. Where the discharger, at the coming into force of these Rules and Regulations, is out of compliance with one or more conditions in Sections 23 to 28 inclusive, the Commission may enter into a compliance agreement with a discharger to provide a plan for achieving compliance with this Schedule of Rules and Regulations within a specified time.
47. The agreement shall:
- a) be for a fixed term;
  - b) contain reporting requirements to the Commission on significant stages in the progress towards compliance as determined by the Commission; and

- c) include a maximum interim limit for the parameter or parameters covered by the agreement.
48. During the term of the compliance agreement, the discharger shall be exempt from those parts of Sections 23 to 28 inclusive specified in the compliance agreement provided that all of the conditions of the agreement are met by the discharger prior to the expiry of the agreement.
49. The agreement may be terminated with 48 hours notice by the Commission at any time where the terms and conditions of the agreement are not being met.

### **Sampling and Analytical Requirements**

50. Where the Commission determines that monitoring of any discharge to the wastewater facilities is required, the owner or operator of residential, industrial, commercial or institutional premises may be required to monitor, analyse, and report to the Commission the results of the monitoring program at the owner's expense.
51. The Commission may specify specific time periods for collection of samples and analytical requirements based on practices of the business, as required.
52. The Commission may from time to time enter any premises and conduct such tests as deemed necessary.
53. All tests, measurements, analyses and sample handling shall be carried out in accordance with "Standard Methods" and by a laboratory certified by the Canadian Association of Environmental Laboratories.

### **Control Service Access**

54. The Commission may require the installation of a control service access or the upgrading of an existing control service access, for each connection to the wastewater facilities for the purpose of monitoring or sampling discharges.
55. A control service access required under Section 54 shall be:
- a) located on the property of the discharger unless the Commission permits an alternative location;
  - b) constructed and maintained at the expense of the discharger;
  - c) accessible at all times by the Commission;
  - d) constructed in a manner which meets the standards of the Commission; and
  - e) maintained to ensure access and structural integrity.

**Season for Laying Pipes**

56. The Commission shall not be required to lay pipe in any season of the year which, in its opinion, is not suitable. The Commission may not guarantee a free flow of wastewater in service pipes exposed, extended or installed in severe winter conditions.

**Unauthorized Extensions, Additions or Connections**

57. No person shall, without the written consent of the Commission, make or cause to be made any connection to any pipe or trunk sewer or any part of the wastewater system, or in any way obtain or use the wastewater system thereon in any manner other than as set out in these Regulations.

**Backflow Preventer Valves**

58. The Commission may recommend that customers install backflow preventer valves in their service lateral if, in the opinion of the Commission the area may be subjected to flow backups in the street system at that location. The customer is responsible for the maintenance and operation of valves including their replacement if they fail.

**Liability for Supply of Service**

59. The Commission shall not be deemed to guarantee an uninterrupted wastewater service. The Commission shall not be liable for any damage, direct or consequential, loss or liability or injury caused or done by reason of the interruption of the wastewater service, intermittent flow of the wastewater system or flooding of basements as a result of stoppages in the wastewater system for any cause.

**Interference with Commission Property**

60. No persons, unless authorized by the Commission in writing, shall discharge wastewater into, open, cut, break, or in any way injure or interfere with any wastewater main, manhole, service pipe, pumping station, or any property of the Commission, or obstruct the free access to any wastewater main, manhole, service pipe, pumping station, etc.

**Capital Cost Contribution**

61. The Commission may establish a Wastewater Capital Cost Contribution from developers and/or future users requiring extension or improvements of the wastewater system. The total amount of the capital cost contribution shall ensure that the Commission is cost neutral to the design, construction, financing and applicable overhead as prescribed by the Commission. Cost factors shall include, but not be limited to the transmission, pumping, temporary storage and treatment required by the Commission. The Commission will allocate the capital costs on the basis of the formula as set out in Schedule "A", Addendum "B" to the Schedule of Rates and Charges for Wastewater and Stormwater Service. Any changes in the method of calculation must be submitted to the Board for approval.

**Suspending Service for Violation**

62. Whenever in the opinion of the Commission, violation of the Schedule of Rules and Regulations is existing or has occurred, the Commission may cause the water service to be suspended from the premises where the violation has occurred or is existing and may keep the same suspended from the premises where the violation has occurred or is existing.

**Halifax Water Pollution Prevention Program**

**Discharger Information Report  
(Form 1)**

**1. General Information**

\_\_\_\_\_  
(Company Name, Corporation, Owner)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(Fax Number)

\_\_\_\_\_  
(Mailing address)

\_\_\_\_\_  
(Postal Code)

Location of Premises:

\_\_\_\_\_  
(Street Name, Number, Block Number, Unit Number)

Company Officer responsible for waste effluent control:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Telephone Number)

**2. Product or Service Information**

(a) Number of Employees:

Plant: \_\_\_\_\_ Office: \_\_\_\_\_

(b) Number of shifts per day: \_\_\_\_\_ Number of days per week: \_\_\_\_\_

(c) What are your principal products produced or services rendered:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(d) Provide a brief description of your manufacturing or service activities:

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**3. Waste Characteristics and Disposal**

(a) Consumption of water:

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\_\_\_\_\_ (Please provide a recent copy of water billing records)

(b) Please list the types and volumes of chemicals used in your manufacturing process and/or stored on site:

Chemicals:

Quantities:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

(c) Please list the type of chemicals, cooling water or other waste materials that are discharged to the sanitary sewer.

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- (d) Is your wastewater subjected to any type of treatment before discharge into the sewer system? Please describe the treatment provided to the wastewater.

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- (e) Has your company sampled and analysed wastewater that is discharged to the sewer system? If yes, please provide details and attach a copy of any available sample information.

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Name of person submitting report:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date of Completion)

**Halifax Water Pollution Prevention Program**

**Discharger Information Report  
(Form 2)**

**1. General Information**

\_\_\_\_\_  
(Company Name, Corporation, Owner)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(Fax Number)

\_\_\_\_\_  
(Mailing address)

\_\_\_\_\_  
(Postal Code)

Location of Premises:

\_\_\_\_\_  
(Street Name, Number, Block Number, Unit Number)

Company Officer responsible for waste effluent control:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Telephone Number)

**2. Product or Service Information**

(a) What are your principal products produced or services rendered:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(b) Provide a brief description of your manufacturing or service activities:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(c) Standard Industrial or Canadian Codes (SIC) of those products produced:

\_\_\_\_\_  
\_\_\_\_\_

Indicate if these are ( ) SICs, or Canadian ( ) SICs

(d) Provide a brief description of the process(es) used in the manufacturing or servicing:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(e) Number of employees: \_\_\_\_\_

Plant: \_\_\_\_\_ Office: \_\_\_\_\_

(f) Number of shifts per day: \_\_\_\_\_ Number of shifts per week: \_\_\_\_\_

(g) Please indicate if major processes are:

( ) Batch ( ) Continuous ( ) Both

(h) Is the production subject to seasonal variation: ( ) yes ( ) no

If yes indicated, briefly describe your seasonal production cycle:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**3. Waste Characteristics**

(a) List all sources of water supply:

Municipal water	_____
Private well water	_____
Hauled water	_____
_____ Other sources (Describe)	_____
	_____

(b) Type of waste water discharged: (please check all that apply)

<input type="checkbox"/> Sanitary sewage	Estimated volume: _____ m <sup>3</sup> /day
<input type="checkbox"/> Non-contact cooling water	Estimated volume: _____ m <sup>3</sup> /day
<input type="checkbox"/> Contact cooling water	Estimated volume: _____ m <sup>3</sup> /day
<input type="checkbox"/> Process water	Estimated volume: _____ m <sup>3</sup> /day
<input type="checkbox"/> Others	Estimated volume: _____ m <sup>3</sup> /day

(c) Wastewater is discharged to: (please check all that apply)

<u>Location</u>	<u>Estimated Volume</u>
<input type="checkbox"/> Sanitary # 1	_____ m <sup>3</sup> /day
<input type="checkbox"/> Sanitary # 2	_____ m <sup>3</sup> /day
<input type="checkbox"/> Storm Sewer # 1	_____ m <sup>3</sup> /day
<input type="checkbox"/> Storm Sewer # 2	_____ m <sup>3</sup> /day
<input type="checkbox"/> Surface water, pond, creek, river, etc.	_____ m <sup>3</sup> /day
<input type="checkbox"/> Storage tank	_____ m <sup>3</sup> /day
<input type="checkbox"/> Ground water or well	_____ m <sup>3</sup> /day
<input type="checkbox"/> Liquid waste hauler - please indicate company used and disposal site if known.	
_____	
_____	
_____	
_____	

**4. Pre-treatment and Disposal**

(a) Pre-treatment devices or processes used for treating wastewater or sludges before discharge to the sewer system. (Please check as many as is appropriate):

- |   |  |
|---|--|
| <input type="checkbox"/> Air floatation                 | <input type="checkbox"/> Screening                 |
| <input type="checkbox"/> Centrifuge                     | <input type="checkbox"/> Sedimentation             |
| <input type="checkbox"/> Chemical Precipitation         | <input type="checkbox"/> Septic Tank               |
| <input type="checkbox"/> Chlorination                   | <input type="checkbox"/> Solvent Separation        |
| <input type="checkbox"/> Cyclone                        | <input type="checkbox"/> Spill Protection          |
| <input type="checkbox"/> Filtration                     | <input type="checkbox"/> Sump                      |
| <input type="checkbox"/> Flow Equalization              | <input type="checkbox"/> Biological Treatment      |
| <input type="checkbox"/> Grease or Oil Separation       | type: _____  |
|   | type: _____  |
| <input type="checkbox"/> Rainwater Diversion or Storage |  |
| <input type="checkbox"/> Grease Trap                    | type: _____  |
| <input type="checkbox"/> Grit Removal                   |  |
| <input type="checkbox"/> Other Chemical Treatment       |  |
| <input type="checkbox"/> Ion Exchange                   | _____  |
| <input type="checkbox"/> Neutralization, Ph Correction  | <input type="checkbox"/> Other treatment           |
| <input type="checkbox"/> Ozonation                      | type: _____  |
| <input type="checkbox"/> Reverse Osmosis                | <input type="checkbox"/> No Pre-treatment Provided |

(b) Describe in detail the treatment process for your waste streams:

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(c) Provide a flow diagram of your Pre-treatment Process in the space below:

(d) Provide a description of the identified pre-treatment facilities and operating data.

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(e) Describe how solids are handled, stored and disposed.

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(f) Describe any current operational problems or required shutdowns of pre-treatment facilities that may affect the quality of wastewater discharged to the sewer system.

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(g) Is sludge generated from the pre-treatment process: ( ) yes ( ) no  
If yes, please describe the treatment and disposal method for sludge removal.

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(h) Do you recover any chemicals from your wastewater: ( ) yes ( ) no  
If yes, please explain.

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**5. Pollutant Information (Sewer Discharge)**

(a) Please indicate in the appropriate location whether the chemical parameter is known, or suspected to be present in each waste stream leaving your facility.

**Sewer Discharge Characteristics**

Parameter	Known Present	Suspected Present	Concentration(mg/l)
Antimony			
Arsenic			
Bismuth			
BOD			
Cadmium			
Chromium			
Cobalt			
Copper			
Cyanide			
Kjeldahl			

Lead			
Manganese			
Mercury			
Molybdenum			
Nickel			
Oil/Grease (A/V)			
Oil/Grease (M/S)			
Phenolics			
Phosphorus			
Selenium			
Silver			
Tin			
Titanium			
TSS			
Vandium			
Zinc			

**6. Pollutant Information (No discharge)**

- (a) List pollutants or chemicals that have the potential to enter either sanitary or storm sewers due to accidental spills, machinery malfunctions or process upsets:

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(b) Does your Company have any existing agreements with the Municipality, former municipalities or the Province regarding wastewater discharged to the sanitary or storm sewers?

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(c) Does the Company have any flow measurement or sampling equipment available?

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(d) Has the Company ever conducted sampling and analysis of wastewater discharged to either the sanitary or storm sewer system? If so, please provide as an attachment to this report any copies of analysis that are available.

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Name of person submitting report:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date of Completion)