

Clerk's Annotation for Official By-Law Books:
Town of Lunenburg Bylaw #34 Sewer Discharge Bylaw Amendment

Date of first reading: December 9, 2014

Date of advertising of Notice of Intent to Consider: January 14 & 21, 2015

Date of second reading: March 10, 2015

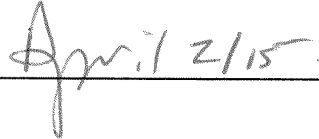
Advertisement date of By-Law passage and effective date: March 25 & 27, 2015

Mailing date to Department of Municipal Affairs three (3) certified copies of By-Law amendment:
April 2, 2015

I certify that this Sewer Discharge By-Law amendment was adopted by Council and published as indicated above.



Clerk



Date

RESOLUTION

WHEREAS:

The Town of Lunenburg wishes to amend its Sewer Discharge By-law, being By-law #34, to include additional requirements for food establishments to maintain their grease traps and prevent the discharge of fat, oil and grease into the sewer collection system.

BE IT THEREFORE RESOLVED THAT:

By-law #34, being the Town of Lunenburg “Sewer Discharge By-law”, shall be amended by adding the following section as Section 3.1.4 after Section 3.1.3:

“3.1.4. Food Related Grease Traps or Interceptors

- i) The provisions of this Section 3.1.4 of the Sewer Discharge Bylaw are effective only on and after June 1, 2015.
- ii) Every owner or operator of a restaurant or other industrial, commercial or institutional premises where food is cooked, processed or prepared, for which the premises is connected directly or indirectly to a sanitary or combined sewer, shall take all necessary measures to ensure that oil and grease are prevented from entering the sanitary or combined sewer in excess of the provisions of this By-law. In addition thereto:
 - a. Grease interceptors shall not discharge to storm sewers.
 - b. The owner or operator of the premises as set out in this Section shall install, operate, and properly maintain an oil and grease interceptor in any piping system as its premises that connects directly or indirectly to a sewer.
 - c. The oil and grease interceptors shall be installed in compliance with the most current requirements of the applicable Building Code.
 - d. The installation of the oil and grease interceptor shall meet the requirements of the Canadian Standards Association national standard CAN/CSA B481.3, as amended.
 - e. Maintenance requirements shall be posted in the workplace in proximity to the grease interceptor.
 - f. A maintenance schedule and record of maintenance shall be available to the Engineer or other representative of the Town upon request for each interceptor installed.
 - g. The owner or operator of the restaurant or other industrial, commercial or institutional premises where food is cooked, processed or prepared, shall, for two years, keep the document of proof for the interceptor clean-out and oil and grease disposal.
 - h. Emulsifiers shall not be discharged into interceptors or the sewer system. No person shall use enzymes, bacteria, solvents, hot water or other agents to facilitate the passage of oil and grease through a grease interceptor.
 - i. 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.
 - j. Any reasonable request for inspection by the Engineer or other representative of the Town shall be granted by the owner or operator of the establishment.”

BY-LAW # 34

TOWN OF LUNENBURG SEWER DISCHARGE BY-LAW

A BY-LAW RESPECTING THE REGULATION OF DISCHARGES TO THE PUBLIC SEWER SYSTEMS

1. This By-law may be cited as the "Sewer Discharge By-law".

DEFINITIONS

2. In this By-law, unless the context otherwise requires, the expression:

- (a) "Biochemical Oxygen Demand" or "BOD" means the quantity of oxygen utilized, expressed in milligrams per litre, in the biochemical oxidation of matter within a one hundred and twenty hour period at a temperature of twenty degrees centigrade as determined in procedures set forth in "Standard Methods";
- (b) "Town" means the "Town" of "Lunenburg" or the area contained within its municipal boundaries as the context requires;
- (c) "Chemical Oxygen Demand" or "COD" means the quantity of oxygen utilized in the chemical oxidation of organic matter under standard laboratory procedure, expressed in milligrams per litre, according to "Standard Methods";
- (d) "Colour of liquid" means the appearance of a liquid from which the suspended solids have been removed;
- (e) "Combined Sewer" means a sewer intended to function simultaneously as a storm sewer and a sanitary sewer;
- (f) "Council" means the Council of the Town of Lunenburg;
- (g) "Domestic Waste" means waste derived principally from dwellings;
- (h) "Effluent" means treated wastewater flowing out of a treatment plant;
- (i) "Engineer" means the Engineer for the "Town of Lunenburg";

- (j) "Grease" means total oil and grease extracted from aqueous solution or suspension according to the laboratory procedures set forth in "Standard Methods", and includes, but is not limited to, hydrocarbons, esters, oils, fats, waxes and high molecular fatty acids;
- (k) "Industrial Premises" means an area of land with or without buildings or structures on which activities pertaining to industry, manufacturing, commerce, trade, business, or institutions occur, (as distinguished from domestic dwellings);
- (l) "Inspector" means a person authorized by the Council to carry out observations and inspections and to take samples as prescribed by this By-law;
- (m) "Matter" includes any solid, liquid, or gas;
- (n) "Natural Outlet" is any outlet from a natural watercourse into another watercourse, pond, ditch or lake, or other body of surface or ground water;
- (o) "Owner" is defined to have the same meaning as in the Municipal Government Act;
- (p) "Pathologic Waste" means waste generated in a hospital or similar institution, including without limiting the generality of the foregoing, veterinarian's office and doctor's office, which contains human or animal tissue, and instruments or other materials which may have come in contact with such tissue. For greater certainty, for the purposes of this By-law, the terms "human or "animal tissue" shall also include blood and other bodily fluids;
- (q) "Person" shall mean any individual, firm, company, association, society, corporation or group;
- (r) "pH" means the measure of the intensity of the acid or alkaline condition of a solution determined by the hydrogen ion concentration of the solution in accordance with the "Standard Methods";
- (s) "Phenolic Compounds" means hydroxyl derivatives of benzene and its condensed nuclei, concentrations of which shall be determined by "Standard Methods";
- (t) "Professional Engineer" means a registered member in good standing of the Association of Professional Engineers of Nova Scotia;

- (u) "Provincial Regulations" means the requirements and provisions of the Province of Nova Scotia contained in any Provincial Statute or in any Regulation or Order made pursuant to the authority of any Statute of Nova Scotia;
- (v) "Sanitary Sewer" means a sewer receiving and carrying liquid and water - carried wastes and to which storm, surface or ground waters are not intentionally admitted.
- (w) "Sewage" is defined to have same meaning as in the Municipal Government Act;
- (x) "Sewer" is defined to have same meaning as in the Municipal Government Act;
- (y) "Standard Methods for the examination of Water and Wastewater" (herein referred to as "Standard Methods") means the 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 deemed appropriate by the Engineer;
- (z) "Storm sewer" is defined to have same meaning as in the Municipal Government Act;
- (aa) "Stormwater" is defined to have same meaning as in the Municipal Government Act;
- (ab) "Suspended Solids" means insoluble matter than can be removed by filtration through a standard glass fibre filter as provided by "Standard Methods";
- (ac) "True Colour Units" means the measure of the colour of the water from which turbidity has been removed;
- (ad) "Uncontaminated Water" means any water, including water from a public or private water works, to which no matter has been added as a consequence of its use, or to modify its use, by any person, and may include cooling water;
- (ae) "Waste" means any material discharged into the wastewater facilities;
- (af) "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 and, for the purposes of this By-law, includes a combined sewer.

- (ag) "Wastewater" means any liquid waste containing animal, vegetable, mineral, or chemical matter in solution or suspension carried from any premises;
- (ah) "Watercourse" means the bed and shore of every river, stream, lake, creek, pond, spring, lagoon, swamp, marsh, wetland, ravine, gulch or other natural body of water and the water therein, and any channel, ditch, reservoir, drain, land drainage works or other man-made surface feature, whether it contains or conveys water or not.

USE OF SEWERS

3.1 Discharges to Combined and/or Sanitary Sewers:

- 3.1.1 Except as otherwise provided in this By-law, no person shall discharge, release, suffer or cause to be discharged into any sanitary sewer, combined sewer, public or private connections to any sanitary sewer or combined sewer any of the following:
 - (a) hydrogen sulphide, mercaptans, carbon disulphide, other reduced sulphur compounds, amines and ammonia;
 - (b) Ashes, cinders, sand, potters clay, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics or wood;
 - (c) Paunch manure or intestinal contents from horses, cattle, sheep or swine, hog bristles, pig hooves or toenails, animal intestines or stomach casings, bones, hides or parts thereof, manure of any kind, poultry entrails, heads, feet or feathers, eggshells, fleshing and hair resulting from tanning operations;
 - (d) Animal fat or flesh in particles larger than will pass through a quarter (1/4) inch screen;
 - (e) Gasoline, benzene, naphtha or fuel oil or wastewater containing any of these in any quantity;
 - (f) Wastewater or uncontaminated water having a temperature in excess of sixty (60) degrees Celsius;

- (g) Wastewater having a pH less than 5.5 or greater than 9.5 or having any other corrosive or scale forming properties capable of causing damage or hazards to the wastewater facilities or personnel of the wastewater facilities;
- (h) Sewage containing dyes or colouring materials which pass through a sewage works and discolour the sewage works effluent;
- (i) Wastewater containing any of the following in excess of the indicated concentrations:

Aluminum (Al)	50 Milligrams/Litre
Antimony (Sb)	5 Milligrams/Litre
Arsenic (As)	1 Milligram/Litre
Barium (Ba)	5 Milligrams/Litre
Beryllium (Be)	5 Milligrams/Litre
Bismuth (Bi)	5 Milligrams/Litre
Cadmium (Cd)	0.1 Milligram/Litre
Chlorides expressed as Cl	1500 Milligrams/Litre
Chromium (Cr)	4 Milligrams/Litre
Cobalt (Co)	5 Milligrams/Litre
Copper (Cu)	1 Milligrams/Litre
Cyanide expressed as HCN	2 Milligrams/Litre
Fluorides expressed as F	10 Milligrams/Litre
Iron (Fe)	50 Milligrams/Litre
Lead (Pb)	2 Milligrams/Litre
Manganese (Mn)	5 Milligrams/Litre
Mercury (Hg)	0.1 Milligrams/Litre
Molybdenum (Mo)	5 Milligrams/Litre
Nickel (Ni)	2 Milligrams/Litre
Phenolic Compounds	1 Milligrams/Litre
Phosphorus (P)	30 Milligrams/Litre
Sulphates expressed as SO ₄	1500 Milligrams/Litre
Sulphide expressed as H ₂ S	2 Milligrams/Litre
Selenium (Se)	5 Milligrams/Litre
Silver (Ag)	2 Milligrams/Litre
Tin (Sn)	5 Milligrams/Litre
Zinc (Zn)	3 Milligrams/Litre

- (j) Wastewater of which the BOD exceeds three hundred (300) milligrams per litre;
- (k) Wastewater containing more than three hundred fifty (350) milligrams per litre of suspended solids;
- (l) Wastewater of which the COD exceeds one thousand (1000)

milligrams per litre.

- (m) Wastewater containing more than one hundred (100) milligrams per litre of fat, grease, or oil, and, in the case of mineral oils, in concentrations exceeding fifteen (15) milligrams per litre;

3.1.2 The presence in wastewater of any one of the matters in Section 3.1.1 in a concentration in excess of its limits constitutes a separate offence.

3.1.3 Compliance with any limit is not attainable simply by dilution.

3.2 Discharges to Storm Sewers:

3.2.1 Except as otherwise provided in this By-law, no person shall discharge, release, place or cause to be placed, any substance other than stormwater or uncontaminated water into a storm sewer.

SAMPLING AND ANALYSIS

4.1 If required by the Engineer, the owner or operator of industrial premises with one or more connections to a sewage works shall install and maintain in good repair in each connection a suitable manhole to allow observation and sampling of the wastewater and measurement of the flow of wastewater therein, provided that where installation of a manhole is not possible, an alternative device or facility may be substituted with the written approval of the Engineer.

4.2 The manhole or alternate device shall be located on the property of the owner or operator of the premises, unless the Engineer has given written approval for a different location.

4.3 Every manhole, device or facility installed as required by subsection 4.1 shall be designed and constructed in accordance with good engineering practice and the requirements of the Engineer, and shall be constructed and maintained by the owner or operator of the premises at his expense.

4.4 The owner or operator of industrial premises shall at all times ensure that every manhole, device or facility installed as required by subsection 4.1 is at all times accessible for purposes of observing and sampling the wastewater and measuring the flow of wastewater therein.

4.5 Where a sample is required for the purpose of determining the characteristics or contents of the wastewater, uncontaminated water or stormwater which is suspected to be out of compliance with this By-law:

- (a) one sample alone is sufficient and, without limiting the generality of the foregoing the sample shall be a composite sample, may contain additives for its preservation and may be collected manually or by using an automatic sampling device;
- (b) except as otherwise specifically provided in this By-law, all tests, measurements, analyses and examinations of wastewater, uncontaminated water and stormwater, shall be carried out in accordance with Standard Methods; and
- (c) for each of the metals whose concentration is limited in this By-law the analysis shall be for the quantity of total metal, which includes all metal both dissolved and particulate.

4.6 Where testing of a sample is required for the purpose of determining the characteristics of contents of the wastewater, uncontaminated water or stormwater to which reference is made in this By-law, said testing shall be conducted in accordance with the method hereinafter described or by mechanical sampling devices:

Method of Sampling and Analysis

- 4.6.1 (i) A minimum of four (4) - twenty-four (24) hour composite samples shall be taken, three (3) during the work week and one (1) on the weekend.;
 - (ii) Analyses shall be conducted separately on each day's grab sample;
 - (iii) The final results of these tests shall be averaged for this period to determine the characteristics and concentration of the effluent being discharged into the wastewater facilities or storm sewer system.
- 4.7 The Inspector may from time to time conduct such tests as are deemed necessary at the manhole, or may enter the industrial premises and conduct the tests as deemed necessary.

SPILLS

5.1 Every person who discharges or deposits or causes or permits the discharge or deposit of any matter in any sewer that in nature or quantity is different than matter

ordinarily deposited or discharged into a sewer pursuant to this By-law, shall forthwith notify the Engineer.

- 5.2 For any of the discharges in subsection 5.1 for which the person is required to forthwith notify the Engineer, the notification shall include the following information:
- (a) name of the owner of the property and the address of location of spill;
 - (b) name of person reporting the spill and telephone number where that person can be reached;
 - (c) time of the spill;
 - (d) type and volume of material discharged and any associated hazards; and
 - (e) corrective actions being taken to control the spill.
- 5.4 Within five days following a spill, the person shall submit to the municipality a detailed written report describing the cause of the spill and the actions taken or to be taken to prevent a recurrence.

REPORTS

- 6.1 Any person who deposits, intends to deposit or permits or intends to permit the deposit of any wastes except domestic wastes into a sanitary or combined sewer shall file a Waste Survey Report with the Engineer .
- 6.2 The Waste Survey Report shall contain the following information and shall be signed by an authorized representative of the owner or operator:
- (a) name and address of the premises, and names of its owner and operator;
 - (b) description of process operations, including waste discharge rates and contaminant concentrations, hours of operation and plans and reports certified by a professional engineer indicating proposed industrial expansion, addition, new construction, or proposed pre-treatment works; and

- (c) a schematic process diagram indicating waste discharge points and waste descriptions.

6.3 The Waste Survey report shall be in the form attached as Schedule "A".

6.4 Where a change occurs in the information contained in a Waste Survey Report, the owner or operator of the premises shall submit the new information within 30 days of the change.

6.5 Where a change occurs in any information described in a Waste Survey Report, the owner or operator of the premises shall submit a new Waste Survey Report setting out the changes.

6.6 No person shall deposit any wastes other than domestic waste in any sanitary sewer or combined sewer until:

- (a) a Waste Survey Report has been filed with the Engineer; and

- (b) the Engineer has confirmed that the wastes will comply with the requirements of this By-law.

GENERAL

7.1 For the purpose of the administration of this By-law, pursuant to Section 503 of the Municipal Government Act, the Inspector may, upon production of his identification, enter any industrial premises and have free unimpaired access, to observe, to measure the flow of wastewater to any sewer and to collect any samples required at reasonable times upon reasonable notice.

7.2.1 The Council shall have the power to stop and close up and prevent from discharging into the wastewater facilities, any private sewer or drain through which substances are discharged [or into which substances are thrown, deposited, or supposed to be put], where the substances are either prohibited by this By-law or are liable to cause personal injury or damage the sewers or obstruct the flow of sewage.

7.2.2 The Council shall not cause any sewer to be closed up pursuant to sub-section 7.2.1 unless the owner of the sewer is first notified and given an opportunity to be heard by the Council.

OFFENSES

8.1 Any person who contravenes any section of this By-law is liable on conviction to a penalty of not less than \$100.00 and not more than \$10,000.00 and in default of

payment to imprisonment for a term of not more than one year.

COMPLIANCE PROGRAM

- 9.1 A compliance program may be issued as set out in subsections 9.2 to 9.5 and 9.9 for the discharge of a non-complying effluent during the period of planning, design, construction or installation of facilities to eliminate the non-compliance with the limits prescribed in Sections 3 and 4.
- 9.2 The owner or operator of industrial premises may submit to the Engineer a program to prevent or to reduce and control the discharge or deposit of wastewater into or in land drainage works, private branch drains or connections to any sanitary sewer or combined sewer from premises.
- 9.3 The owner or operator of industrial premises may submit to the Engineer a program to eliminate the discharge or deposit of wastewater into or in land drainage work, private branch drains or connections to any storm sewer or combined sewer from the premises.
- 9.4 The Engineer may issue an approval for a compliance program to the person who submitted the program.
- 9.5 Every compliance program shall be for a specified length of time during which the facilities are to be installed and shall be specific as to the remedial actions to be implemented, the dates of commencement and completion, and the materials or other characteristics of the wastewater, uncontaminated water or stormwater to which it relates. The final activity completion date shall not be later than the final compliance date in the compliance program.
- 9.6 The compliance program shall be in the form attached as Schedule "B" and, upon recommendation to Council, the Engineer is authorized to execute such compliance programs under the authority of this By-law.
- 9.7 A person to whom a compliance program has been issued shall submit a compliance program progress report within 14 days after the scheduled completion date for each activity listed in the compliance program.
- 9.8 The compliance program progress report shall be in the form attached as Schedule "C".
- 9.9 Where the operating authority for the sewage treatment plant, land drainage work, or storm sewer which is receiving wastewater, uncontaminated water or stormwater from the premises identified in the letter of compliance program is not the owner, the compliance program does not become effective unless the operating authority has reviewed and approved the compliance program.

- 9.10 A person to whom a compliance program has been issued shall not be prosecuted under Sections 3 or 4 of this By-law so long as the compliance program is being fully complied with.
- 9.11 The former Sewer Use By-law of the Town of Lunenburg is hereby repealed and this By-law substituted therefor.

SCHEDULE A - WASTE SURVEY REPORT

TOWN OF LUNENBURG

SECTION 1 - General Information

(a) Name of Person Submitting Report:

_____ (name)

_____ (company name, corporation, owner) (telephone number)

_____ (postal address) (postal code)

(b) Company Officer responsible for effluent control:

_____ (name) (telephone number)

(c) Location of Premises:

_____ (number, street or road, municipality)

THE INFORMATION CONTAINED IN THIS REPORT IS TO THE BEST OF MY KNOWLEDGE AND BELIEF IS TRUE, COMPLETE AND ACCURATE.

_____ (signature of authorized representative)

_____ (title)

_____ (date)

SECTION 2 - Product or Service Information

(a) Canadian or Standard Industrial Classification Codes (SIC):

These are [] Canadian SICs or [] SICs.

(b) Brief description of manufacturing or service activities:

(c) Principal products produced or services rendered:

(d) Number of employees:

plant: _____ office: _____

(e) Number of shifts per day: _____ Number of days per week: _____

(f) Are major processes:

[] batch [] continuous [] both

If batch, average number of batches per 24-hour day: _____

SECTION 2 - Product or Service Information (continued)

(g) Is the production subject to seasonal variation:

yes no

If yes, briefly describe seasonal production cycle:

(h) Is there a special clean-up period: yes no

If yes, briefly describe clean-up period activities:

SECTION 3 - Waste Characteristics

(a) List all sources of water supply: _____

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

TYPE	AVE. FLOW/DAY (cubic metres/day)		
<input type="checkbox"/> sanitary	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> noncontact cooling	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> contact cooling	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> process	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> other	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured

(c) Wastes are discharged to (check all that apply):

TYPE	AVE. FLOW/DAY (cubic metres/day)		
<input type="checkbox"/> sanitary #1	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> sanitary #2	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> storm sewer #1	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> storm sewer #2	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> groundwater	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> surface water	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> evaporation	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured

(attach additional list as necessary)

(d) Expected characteristics of wastes discharged to sanitary and storm sewers (complete Pollutant Information Sheets, Sections 6 or 7 for the discharge to each sewer).

SECTION 4 - Physical Lay-out

Layout sketch of property (to scale or approximate) to co-ordinate buildings,

pretreatment works, property boundaries, effluent lines, and sanitary and storm sewer connections. (Number sewers so that they can be related to Pollutant Information Sheets, in Sections 6 or 7).

SECTION 5 - Pretreatment

Pretreatment devices or processes used for treating wastes or sludges before discharge to the sanitary sewer system (check as many as appropriate):

- Air flotation
- Centrifuge
- Chemical precipitation
- Chlorination
- Cyclone
- Filtration
- Flow Equalization
- Grease or oil separation, type _____
- Grease trap
- Grit Removal
- Ion Exchange
- Neutralization, pH correction
- Ozonation
- Reverse Osmosis
- Screening
- Sedimentation
- Septic tank
- Solvent separation
- Spill protection
- Sump
- Biological treatment, type _____
- Rainwater diversion or storage _____
- Other chemical treatment, type _____
- Other physical treatment, type _____
- Other, type _____
- No pretreatment provided

SECTION 6 - Pollutant Information Sheet (Controlled Matter)

Information for: sanitary sewer storm sewer

Sewer number _____

Indicate by placing an "x" in the appropriate box for each listed parameter whether it is "suspected to be absent", "known to be absent", "suspected to be present" or "known to be present" and the known or expected concentration ("Conc.") in milligrams per litre.

PARAMETER	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT	CONC. mg/litre
1) chlorides	[]	[]	[]	[]	_____
2) sulphates	[]	[]	[]	[]	_____
3) aluminum	[]	[]	[]	[]	_____
4) iron	[]	[]	[]	[]	_____
5) fluoride	[]	[]	[]	[]	_____
6) phosphorus	[]	[]	[]	[]	_____
7) antimony	[]	[]	[]	[]	_____
8) bismuth	[]	[]	[]	[]	_____
9) chromium	[]	[]	[]	[]	_____
10) cobalt	[]	[]	[]	[]	_____
11) lead	[]	[]	[]	[]	_____
12) manganese	[]	[]	[]	[]	_____
13) molybdenum	[]	[]	[]	[]	_____
14) selenium	[]	[]	[]	[]	_____
15) silver	[]	[]	[]	[]	_____
16) tin	[]	[]	[]	[]	_____
17) titanium	[]	[]	[]	[]	_____
18) vanadium	[]	[]	[]	[]	_____
19) copper	[]	[]	[]	[]	_____
20) cyanide	[]	[]	[]	[]	_____
21) nickel	[]	[]	[]	[]	_____
22) zinc	[]	[]	[]	[]	_____
23) arsenic	[]	[]	[]	[]	_____
24) cadmium	[]	[]	[]	[]	_____
25) phenolic compounds	[]	[]	[]	[]	_____
26) mercury	[]	[]	[]	[]	_____
27) BOD	[]	[]	[]	[]	_____
28) TSS	[]	[]	[]	[]	_____
29) COD	[]	[]	[]	[]	_____
30) oil & grease (animal/veg)	[]	[]	[]	[]	_____
31) oil & grease (mineral/syn)	[]	[]	[]	[]	_____
32) Kjeldahl nitrogen	[]	[]	[]	[]	_____

SECTION 7 - Pollutant Information Sheet (No Discharge)

Information for: [] sanitary sewer number _____

Indicate by placing an "x" in the appropriate box for each listed parameter whether it is

"suspected to be absent", "known to be absent", "suspected to be present" or "known to be present" and the known or expected quantity in kg/month.

PARAMETER	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT	CONC. kg/month
33) pesticides	[]	[]	[]	[]	_____
34) acute hazardous waste chemicals	[]	[]	[]	[]	_____
35) fuels	[]	[]	[]	[]	_____
36) hazardous industrial wastes	[]	[]	[]	[]	_____
37) hazardous waste chemicals	[]	[]	[]	[]	_____
38) ignitable wastes	[]	[]	[]	[]	_____
39) pathological wastes	[]	[]	[]	[]	_____
40) PCB wastes	[]	[]	[]	[]	_____
41) reactive wastes	[]	[]	[]	[]	_____
42) severely toxic materials	[]	[]	[]	[]	_____
43) waste radioactive materials	[]	[]	[]	[]	_____

*** End Waste Survey Report ***

SCHEDULE B - LETTER OF COMPLIANCE PROGRAM

LETTERHEAD

Address: _____ Date: _____

Attention: _____

Dear _____:

Re: Compliance Program Number: _____

In accordance with the provision of Section 9.1 of the Town of Lunenburg Sewer Discharge By-law, you are hereby granted a compliance program for the attached program identified in Appendix I subject to the following conditions:

- 1. During the period covered by this compliance program only, the quality of the _____ (sewage, uncontaminated water, or stormwater) discharged by your company from the said premises to the _____ (sanitary, combined or storm) sewer system or land drainage works may exceed the limits set by the Sewer Discharge By-law within the following limits at any time:

Parameter _____	Limit (mg/litre)
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- (a) _____
- (b) _____
- (c) _____
- (d) _____
- (e) _____
- (f) _____

- 2. The discharge of _____ (sewage, uncontaminated water or stormwater) by your company from the said premises containing the parameters listed in Item 1 in excess of the limits shall constitute a contravention of this compliance program and thus a contravention of the said By-law.

- 3. The compliance program may be terminated at any time on 30 days written notice sent by registered mail addressed to the company at the said premises, if:

- (a) the sewage is causing a health or safety hazard to a sewage works employee; or
- (b) the sewage is causing damage to the sewers, materially increasing their maintenance costs or causing a dangerous condition; or
- (c) the sewage is causing damage to the sewage treatment process or causing a dangerous condition in the treatment works; or

- (d) the sewage is causing the sludge from the sewage works to fail to meet criteria relating to contaminants for spreading the sludge on agricultural lands under Nova Scotia’s guidelines for sewage sludge utilization on agricultural lands; or
 - (e) the sewage is causing the sewage works effluent to contravene any requirements by or under the Environmental Protection Act or any other Provincial or Federal legislation;
 - (f) the sewage is causing a hazard to any person, animal, property or vegetation; or
 - (g) the sewage is contrary to the Sewage Discharge By-law in any way other than as provided herein. __
4. The compliance program may be terminated at any time where there is an emergency situation of immediate threat or danger to any program, property, plant or animal life or waters.
5. This compliance program shall remain in force until _____ provided the following timetable is adhered to:

Compliance Program Activities	Scheduled Commencement Date	Scheduled Completion Date
a) Select Engineer		
b) Engineering Investigation of Plant Conditions (Industrial Process Review & Wastewater Characterization)		
c) Select Treatment Process & Design Criteria (Treatability Studies)		
d) Detailed Design of Treatment System (Design & Specifications)		
e) Preparation of Operations Manual		
f) Select Contractor for Installation/Construction		
g) Commence Construction		
g)(i) Site Preparation (survey, excavation, etc.)		
g)(ii) Foundation Work & Underground Utilities (slabs, sewer, etc.)		
g)(iii) Structural Work (buildings, etc.)		
g)(iv) Mechanical Work (control panels, etc.)		

g)(v) Electrical Work (control panels, etc.)		
g)(vi) Site Finish Work (fences, clean up, etc.)		
h) Pretreatment System Start		

- 6. You must, however, take all necessary steps to ensure that all other conditions and parameters listed in the By-law are not exceeded, as there are no other exemptions.
- 7. This Compliance Program has been reviewed and is acceptable to the undersigned.
- 8. You must acknowledge your acceptance of this compliance program by returning a signed copy of this letter of compliance program within 30 days of your receipt of the letter.

Yours truly,

Town Engineer_____

Signed and Accepted by:

Authorized Representative

Company Name

Company Address

Phone Number

SCHEDULE C - COMPLIANCE PROGRAM PROGRESS REPORT

Company Name: _____

Address: _____

Date Submitted: _____

Authorized Representative: _____

1. Compliance program activity description:

2. Scheduled completion date for above activity: _____

3. Activity completed on schedule? Yes No

4. If not on schedule, indicate anticipated completion date:

5. State reason for delay, if applicable:

6. What action has been initiated to return project to original schedule?

***Report is to be submitted within 14 days after scheduled completion of each Activity listed in the Compliance Program.**

**BEA RENTON,
TOWN MANAGER/CLERK
TOWN OF LUNENBURG**

I, BEA RENTON, TOWN MANAGER/CLERK, FOR THE TOWN OF LUNENBURG, DO CERTIFY THAT THE ATTACHED IS A TRUE AND CURRENT COPY OF BY-LAW NO. 34 OF THE TOWN OF LUNENBURG, DULY PASSED BY THE LUNENBURG TOWN COUNCIL ON SEPTEMBER 28, 2000, WITH NOTICE OF MOTION HAVING BEEN GIVEN ON JUNE 29, 2000, FIRST READING ON JULY 27, 2000 AND SECOND READING ON AUGUST 31, 2000.