



City of Duncan

Sewer Services Bylaw No. 1844, 1998

(With Amendments to September 20, 2010)

Consolidated for Convenience Only

This consolidation is not a legal document. Certified copies of the original bylaws should be consulted for all interpretations and applications of the bylaws of this subject

This Bylaw has been consolidated for convenience only and includes amendments from:

Bylaw No. 2018, 2006 – Adopted September 18, 2006

Bylaw No. 2033, 2007 – Adopted August 13, 2007

Bylaw No. 2097, 2010 – Adopted September 20, 2010

**THE CORPORATION OF THE CITY OF DUNCAN
BYLAW NO.1844, 1998
SEWER SERVICES BYLAW**

WHEREAS the Council of The Corporation of the City of Duncan has established a sewerage system within the City boundaries;

AND WHEREAS the Council may operate, maintain, improve, extend or alter municipal sewerage systems and may impose connection charges, user charges and frontage taxes, pursuant to Part 16 of the Municipal Act;

AND WHEREAS it is deemed to be desirable to consolidate the City’s regulations concerning the establishment, maintenance and use of the sewerage systems in a single bylaw;

NOW THEREFORE, the Municipal Council of The Corporation of the City of Duncan, in open meeting assembled, enacts as follows:

**PART 1
GENERAL PROVISIONS**

Title

1. This bylaw may be cited for all purposes as the “Sewer Services Bylaw, 1998 No. 1844”.

Definitions

2. In this bylaw:

Amend

#2018 “Apartment” means a building containing three or more dwelling units, all of which are accessible only from a common hallway or lobby.

“B.O.D.” (Biochemical Oxygen Demand) means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory conditions in five days at 20°C, expressed in milligrams per litre, as determined by the Standard Methods.

“Building Inspector” means the Building Inspector of the Corporation of the City of Duncan.

“Building Sewer” means a pipe installed between a building sewer outlet located outside the foundation of the building and the parcel boundary, and which leads to a service connection.

“City” means the Corporation of the City of Duncan.

“C.O.D.” (Chemical Oxygen Demand) means the oxygen-consuming capacity of inorganic and organic matter present in wastewater, as determined by the Standard Methods.

“Collector/Treasurer means the Collector/Treasurer of the City of Duncan.

“Commercial Establishments” includes hotels, apartment blocks, motels, schools and hospitals, multiple dwellings, and all premises not being private residences.

“Composite Sample” means a sample of water which is composed of equal portions of a specified number of grab samples collected at the same sampling point, at specified times or flow intervals during a specified sampling period.

“Council” means the Council of the Corporation of the City of Duncan.

“Daily Flow” means the total flow over a 24 hour period, as measured by an approved calibrated flowmeter.

“Domestic Wastewater” means water carrying wastes produced in residential premises as a result of normal human domestic activities.

“Duncan Sewer Area” means the land outlined in black in Schedule “A” to this bylaw.

**Amend
#2018**

“Dwelling Unit” means one or more rooms constituting a unit of living accommodation used or intended to be used for living, sleeping purposes, containing a sink, and cooking facilities.

“Effluent” means the liquid outflow of any facility designed to treat or convey wastewater.

“Flammable Liquid” means any liquid having a flash point below 38°C and a vapour pressure not exceeding 280 kPa at 38°C.

“Garbage” means solid waste resulting from domestic and commercial preparation, cooking, and dispensing of food, or the handling, storage and sale of produce.

“Grab Sample” means a sample of the water in a watercourse or discharge, collected at one time and place.

“Grease” means an organic substance recoverable by the procedures set out in the Standard Methods and includes without limitation hydrocarbons, esters, fats, oils, waxes and high molecular carboxylic acids.

“High Temperature Waste” means:

- (a) any waste which by itself or in combination with another substance, holds or creates heat which will interfere with the operation, maintenance or treatment of waste in the Sanitary Sewer System;
- (b) any waste which will raise the temperature of waste entering the Sanitary Sewer System to 40 degrees Celsius (104 degrees Fahrenheit) or more; and
- (c) any non-domestic waste with a temperature of 65 degrees Celsius (150 degrees Fahrenheit) or more.

“Industrial Facility” means any premises where wastewater is produced in the course of a manufacturing, processing, fabricating, waste treatment, recycling, resource extraction, warehousing or storage operation.

“Mass Loading” means the concentration of a constituent multiplied by the flowrate.

“Monthly Average” means the arithmetic mean of all measurements taken over one calendar month.

“Industrial Wastewater” means water carrying wastes from any manufacturing, processing, institutional, commercial or other premises where the wastewater which is discharged includes wastes of non-domestic origin.

“Municipal Engineer” means the Municipal Engineer of the City and includes the deputies of the Municipal Engineer.

Amend

#2018 “Multiple Family Dwelling” means a building containing three or more dwelling units, excluding an apartment.

“Offal” means waste portions of food, animals, fowl or fish.

“One-operating-day Composite Sample” means a composite sample discharge consisting of equal portions of Grab Samples collected during at least 8 consecutive one-hour intervals over the duration of one operating day.

“Owner” as defined in the Municipal Act and the Taxation (Rural) Area Act, as amended from time to time, and may include a lessee under a lease of 99 years or more when the lessee is bound to pay municipal taxes.

“Pesticide” means an organism or material that is represented, sold, used or intended to be used to prevent, destroy, repel or mitigate a pest and includes:

- (a) a plant growth regulator, plant defoliator or plant desiccant; and

- (b) a control product, other than a device that is a control product under the Pest Control Products Act (Canada).

“pH” means logarithm, to the base 10, of the reciprocal of the concentration of hydrogen ions in moles per litre of solution.

“Plumbing Code” means any regulation made under Section 692 of the Municipal Act in respect of plumbing systems.

“Plumbing Fixture” means a receptacle, appliance, apparatus or other device that discharges wastewater, and includes a floor drain.

“Premises” means a parcel of land or a portion of a building which is owned, leased or otherwise held as a single real estate entity.

“Public Works Superintendent” mean the Public Works Superintendent of the Corporation of the City of Duncan.

“Sanitary Sewer System” means all City sanitary sewerage works and their appurtenances within the Sewer Service Area, including without limitation sewer mains, service connections, pipes, conduits, manholes, apertures, pumping stations, treatment plants, lagoons and sewer outfalls which are operated or intended for the purpose of conveying, treating and disposing of wastewater.

“Septic Tank” means a device or structure designed for the temporary storage of wastewater.

“Service Connection” means that portion of a pipe located between a City sewer main and a parcel boundary line, which connects the Sanitary Sewer System to a building sewer or to the boundary of land on which building or structures are situated.

“Sewage Treatment Plant” means a facility or structure used for treating wastewater.

“Sewer” means a pipe in the Sanitary Sewer System, including manholes and other appurtenances but excluding a service connection.

“Sewer Service Area” means the areas of land within the City of Duncan outlined in Schedule “A”.

“Standard Methods” means the Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 and amendment thereto, as published by the American Public Health Association, the American Water Works Association and the Water Environment Federation.

“Storm Water” means water originating from rain water, snow melt or ground water, including roof drain water and foundation drain water.

“Suspended Solids” means the solid matter in a liquid, classified according to particle size and expressed in milligrams per litre, determined according to the Standard Methods.

“TN (Total Nitrogen)” means the sum of the concentrations or masses of organic nitrogen, total ammonia, nitrite and nitrate.

“Total Ammonia” means the sum of the concentrations or masses of ionized ammonia and un-ionized ammonia.

“TP (Total Phosphorus)” means the sum of the concentrations or masses of organic phosphates, ortho-phosphates and polyphosphates.

“Trucked Liquid Waste” means wastewater from a septic tank, holding tank or portable toilet.

“Two-Hour Composite Sample” means a composite sample consisting of equal portions of 8 Grab Samples collected at consecutive 15-minute intervals.

“Uncontaminated Wastewater” means spent cooling water, dechlorinated water discharged from a swimming pool and unused drinking water.

“Waste Discharge Permit” means a permit, in the form of Schedule “C” to this bylaw, to install sewerage works on property which is not owned or controlled by the City.

“Wastewater” means water which carries wastes derived from human or industrial sources, including domestic wastewater and industrial wastewater, but does not include storm water or uncontaminated wastewater.

“Watercourse” means:

- (a) a river, stream, lake, creek, lagoon, swamp, marsh or other natural body of water; and
- (b) a channel, ditch, reservoir or other man-made surface feature;

which contains or conveys water continuously or intermittently.

Continuation of Service Area

3. The Sanitary Sewer System which has been established within the Sewer Service Area shall be continued, operated, maintained, used and extended in accordance with this bylaw.

Prohibition

4. No person shall directly or indirectly discharge any substance into the Sanitary Sewer System except in accordance with this bylaw.

Interference with Sewer System

5. No person shall do any work upon or interfere in any way with the Sanitary Sewer System without the written permission of the Public Works Superintendent.

Septic Tanks and Trucked Liquid Waste

6. No septic tank shall be connected to the Sanitary Sewer System and no trucked liquid waste shall be discharged into the Sanitary Sewer System without the written approval of the Public Works Superintendent, who may withhold approval until the owner establishes that the connection or discharge will comply with this bylaw.
7. No person shall cause or permit any sludge or deposit contained in any septic tank to enter into the Sanitary Sewer System.

Right of Entry

8. The Public Works Superintendent and all employees of the City acting under the Public Works Superintendent's direction are authorized to enter upon any property in the Sewer Service Area at any reasonable time in order to ascertain whether or not the provisions of this bylaw are being observed.
9. No person shall interfere with or obstruct the entry of an authorized official onto any property under Section 8.

Standard Methods

10. All tests, measurements, analyses and examinations of wastewater shall be carried out in accordance with the Standard Methods.

PART 2 - SEWER CONNECTIONS

Connection Requirement

11. The owner of every parcel of real property which is:
- (a) within the Sewer Service Area;
 - (b) developed with a building or structure containing a plumbing fixture; and
 - (c) any part of which is crossed by, adjacent to or within 10 metres of a sewer;
- shall connect the building or structure to a service connection by installing a building sewer in accordance with this bylaw.
12. In the event that an owner fails to make a connection required under Section 11 within sixty days of being notified in writing by the City to do so, the Public Works Superintendent may order that the required connection be made by the City's employees or contractors at the owner's expense. The expenses incurred shall become a lien on the land or real property on or for which the work is performed and the City may recover the expenses in the same manner as municipal taxes. Expenses unpaid on December 31 of the year in which they are incurred shall be added to the tax roll as taxes in arrear.

Application for Sanitary Sewer Connection

13. No person shall connect any building sewer or other pipe to the Sanitary Sewer System until a completed application in the form of Schedule "D" to this bylaw has been submitted to the City, the applicable connection fee under Part 8 of this bylaw has been paid and a Plumbing Permit has been issued by the City in accordance with "Building Bylaw No. 1848, 1998" and amendments thereto.
14. An applicant for connection to the Sanitary Sewer System shall provide accurate information as to all details in Schedule "D" when completing the application.

Service Connection Standards

15. Every service connection and every junction between a service connection and a building sewer shall be installed by the City.
- (a) Only one 4 inch sewer connection will be provided to each residential parcel, unless otherwise approved by Council.
 - (b) Unless otherwise approved by Council, only one sewer connection will be provided to each commercial parcel, and must be of such size as required by the Municipal Engineer.
 - (c) Where more than one property is serviced by one connection to the sanitary sewer system, the City must disconnect the building sewer or other pipe until such time that each property is individually connected to the sanitary sewer system, at the expense of each property owner, according to the provisions of this bylaw.

16. A service connection shall be installed prior to the installation of a building sewer and the City shall not be responsible for meeting the elevation of any building sewer which is installed prior to installation of the sewer connection.

PART 3 - BUILDING SEWERS

Building Sewers

17. Every building sewer shall be constructed by the owner in accordance with the requirements of the Plumbing Code.
18. The owner shall apply for and obtain a Plumbing Permit prior to constructing a building sewer.
19. No building sewer work shall be covered until it has been inspected and approved by the City's Building Inspector or the Public Works Superintendent.
20. Every building sewer shall be repaired and maintained by the owner. Service connections will be repaired or replaced by the City as deemed appropriate.
21. Where any building sewer is abandoned, the owner shall notify the Public Works Superintendent, and upon receiving authorization, the owner shall arrange for the City to block or seal the service connection.
22. The service connection shall be blocked at the property line, or at the sewer main, as specified by the Public Works Superintendent, and the cost of the work shall be borne by the owner.

PART 4 - WASTE DISCHARGE

Prohibited Wastes

23. No person shall discharge or permit to be discharged into any part of the Sanitary Sewer System, directly or indirectly, any:
- (a) gasoline, benzene, naphtha, alcohol, fuel, oil, solvents, acetone or flammable or explosive liquid, solid or gas;
 - (b) pesticides, insecticides, herbicides or fungicides;
 - (c) corrosive, noxious or malodorous gas, liquid, or substance which either itself or by interaction with other wastes, is capable of:
 - (i) creating a public nuisance or hazard to life;
 - (ii) preventing human entry into a sewer or pump station; or
 - (iii) causing damage to the Sanitary Sewer System;
 - (d) radioactive material;

- (e) material from a cesspool;
- (f) substance capable of obstructing wastewater flow or interfering with the operation of the Sanitary Sewer System or treatment facilities, including without limitation ashes, cinders, grit, sand, mud, straw, grass clippings, insoluble shavings, metal, glass, rags, feathers, tar, asphalt, creosote, plastics, wood, animal paunch contents, offal, blood, bones, meat trimmings and waste, fish or fowl head, shrimp, crab or clam shells, fish scales, entrails, lard, mushrooms, tallow, baking dough, chemical residues, cannery or wine waste, bulk solids, hair and fleshings, spent grain and hops, whole or ground food or beverage containers, garbage, paint residues, cat box litter, slurries of concrete, cement, lime or mortar;
- (g) storm water or uncontaminated wastewater;
- (h) material classified as a 'Special Waste' pursuant to the Waste Management Act;
- (i) high temperature wastes;
- (j) human anatomical waste, animal waste, untreated microbiological waste, waste sharps and untreated human blood and body fluids known to contain viruses and agents listed in "Risk Group 4" as defined in "Laboratory Biosafety Guidelines" published by Health and Welfare Canada dated 1990; or
- (k) any waste, other than sanitary waste, which by itself or in combination with another substance:
 - (i) constitutes or may constitute a significant health or safety hazard to any person;
 - (ii) may cause a discharge from a sewage facility to contravene any requirement under any B.C. Waste Management discharge permit or any other law governing the quality of the discharge, or may cause the discharge to result in a hazard to people, animals, property or vegetation; or
 - (iii) that may cause biosolids to fail criteria for beneficial land application in British Columbia as set out in the draft "Guidelines for the Disposal of Domestic Sludge Under the Waste Management Act", prepared by the Ministry of Environment and dated 1983, or may cause the emissions from a wastewater sludge combustion facility to be out of compliance with relevant permits, or may cause the ashes from a wastewater sludge combustion facility to be considered a Special Waste under the Waste Management Act.

Standards for Restricted Wastes

24. No person shall discharge or permit to be discharged into any part of the Sanitary Sewer System any waste which, at the point of discharge, contains any contaminant at a concentration in excess of the limits set out below:
- (a) industrial wastewater having a B.O.D. in excess of 300 milligrams per litre as analyzed in a one-operating day Composite Sample;

- (b) industrial wastewater having a C.O.D. in excess of 600 milligrams per litre as analyzed in a one-operating-day Composite Sample;
- (c) industrial wastewater which contains suspended solids in a concentration that is in excess of 350 milligrams per litre as analyzed in a one-operating-day Composite Sample;
- (d) garbage that has not been ground or shredded by a domestic garbage disposal unit;
- (e) industrial wastewater which contains oil and grease in a concentration that is in excess of 100 milligrams per litre as analyzed in a one-operating day Composite Sample;
- (f) industrial wastewater which contains oil and grease derived from a petroleum source in a concentration that is in excess of 15 milligrams per litre as analyzed in a one-operating-day Composite Sample;
- (g) substance which may solidify or become viscous at temperatures above 0°C;
- (h) industrial wastewater which has a pH lower than 5.5 or higher than 10.5 as determined by a two-hour Composite Sample;
- (i) waste which itself or with other wastes in the sewerage system, releases noxious gases or create any other condition deleterious to the pipe, gaskets, structures or treatment processes;
- (j) waste containing dyes or colouring materials which discolour the effluent, with the exception of dyes used by the City for testing purposes;
- (k) material which exerts or causes:
 - (i) concentrations of inert suspended solids, including, but not limited to, fuller's earth;
 - (ii) concentrations of dissolved solids including but not limited to sodium chloride, calcium chloride or sodium sulphate;
- (l) water or waste added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentrations;
- (m) waste containing substances in concentrations that are not amenable to treatment or reduction by the sewage treatment process employed, or are amenable to treatment only to such a degree that the sewage treatment plant effluent cannot, during normal operation, meet the requirement of any other agency having jurisdiction over discharges to receiving waters;
- (n) any material or substance that alters the structure of waste but does not reduce the C.O.D. loading (e.g. enzymes or bacteria);
- (o) industrial wastewater which, at the point of discharge into a sewer, contains any substance, in a combined or uncombined form, with a concentration in excess of the levels set out below:

Substance	Expressed as	Concentration in milligrams per litre One Day Composite Sample
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Aluminium	AL	50.0
Arsenic	As	1.0
Boron	B	50.0
Cadmium	Cd	0.2
Chromium	Cr	4.0
Cobalt	Co	5.0
Copper	Cu	2.0
Cyanide	Cn	1.0
Iron	Fe	10.0
Lead	Pb	1.0
Manganese	Mn	5.0
Mercury	Hg	0.05
Molybdenum	Mo	1.0
Nickel	Ni	2.0
Nitrogen	N	80.0
Phenols	--	1.0
Phosphorus	P	10.0
Silver	Ag	1.0
Sulphate	SO ⁴	1500.0
Sulphide	S	1.0
Tin	Sn	5.0
Zinc	Zn	3.0

(All concentrations are expressed as total concentrations, which include both dissolved and undissolved substances.)

Reporting of Prohibited Discharges

25. Every person responsible for, or aware of, a discharge of a prohibited substance or an excessive amount of a restricted substance into the Sanitary Sewer System shall immediately report the discharge to the Public Works Superintendent.

Wastewater Treatment Facilities

26. Any industrial wastewater which exceeds a level of pollution or contamination specified in this bylaw, or which is likely to damage the sewerage system, or which may detrimentally affect a sewage treatment plant or contaminate surface or subsurface water, shall be pre-treated so as to fulfil all of the requirements of this bylaw prior to being discharged into the Sanitary Sewer System.
27. All wastewater treatment facilities must be kept clear of obstructions so as to provide immediate access for inspection and maintenance.

PART 5 - REQUIREMENTS FOR NON-RESIDENTIAL USES CONNECTING TO THE SEWERAGE SYSTEM

28. The owner or occupier of premises:
- (a) upon which an industrial facility or a service station, dental office, medical clinic, film processing facility or dry cleaning facility is proposed or is operated; and;
 - (b) where more than 300 m³ of non-domestic wastewater in any 30 day period, or any restricted waste, will be deposited in the Sanitary Sewer System shall submit an application to the City, in the form of Schedule "B" to this Bylaw, and shall obtain a Waste Discharge Permit before connecting the premises to the Sanitary Sewer System.
29. (a) An owner or occupier who intends to expand or alter an industrial or commercial facility described in Section 28 which is in existence at the date of adoption of this bylaw such that the quantity, biochemical oxygen demand, chemical oxygen demand, suspended solids concentration or grease concentration of the sewage discharge will be increased more than 25% above the level being discharged from the facility at the date of adoption of this bylaw shall comply with Section 28 before expanding or altering the facility.

(Notes:

1. Quantity based on a monthly average of the effluent daily flowrates.
2. Concentrations based on a monthly average of one-operating-day composite sample concentrations.)

Further, the discharger must apply for a new Waste Disposal permit should there be an increase in the effluent mass load of any constituent of more than 25% (based on a monthly average of the effluent daily flowrates multiplied by the monthly average of one-operating-day composite sample concentrations).

(Note: Establishing a maximum permissible increase of 25% for mass loads will prevent dischargers from increasing flows and concentrations by 25% each, which would result in a 50% increase in the mass load.)

30. An owner or occupier who applies for a Waste Discharge Permit shall supply to the Public Works Superintendent plans and reports certified by a professional engineer registered in the Province of British Columbia indicating:
- (a) the proposed development or addition and any existing development, including flow schematic drawing;
 - (b) existing and proposed daily volumes and peak discharges of wastewater from the premises into the Sanitary Sewer System;
 - (c) the type of waste to be processed or discharged;
 - (d) anticipated biochemical oxygen demand and the amount of suspended solids or grease;
 - (e) the pH factor and temperature of the wastewater;
 - (f) the type and level of any toxic chemicals contained in the wastewater;
 - (g) the proposed pre-treatment, including dimensions of the proposed facility;
 - (h) flow equalizing or mixing facilities;
 - (i) the location of a sampling manhole; and
 - (j) the monitoring equipment.
30. Grease and oil interceptors shall be installed for all food preparation facilities including restaurants, canning operations, killing and processing facilities, as close to the source of the waste material as practical.
32. Grease, oil and sand interceptors shall be installed for all vehicle repair and maintenance establishments and service stations, as close to the source of the waste material as practical.
33. Separate sand traps and oil and grease interceptors shall be installed for all establishments which provide vehicle or equipment washing facilities. Sand traps shall be located upstream from the oil and grease interceptors, and shall have a minimum liquid depth of 1 metre and a maximum overflow rate of 8 L/m/m² under peak flow conditions. Sand and silt shall be removed from sand traps before these materials occupy 25 percent of the liquid depth. Accumulated oil and grease shall be skimmed off the surface of the interceptors and other sumps often enough to prevent these materials from escaping to the sewer.
34. Interceptors are required for all industries or commercial establishments as necessary for the removal of grease, flammable wastes, sand, grit or other restricted substances.
35. All interceptors shall be installed on the parcel, upstream of the service connection and shall be located as to be readily accessible for cleaning and inspection.

36. All interceptors shall be maintained by the owner or occupier in efficient operation at all times.

Volume Restriction

37. Wastewater or other water shall not be discharged into the Sanitary Sewer System in a volume which causes the Sanitary Sewer System to back up or leak at any point.

Special Control Manholes and Flow Meters

38. Any owner or occupier of premises which are the location of a facility which is discharging or likely to discharge industrial wastewater to the Sanitary Sewer System in a volume which exceeds 300 m³ per month shall install a control manhole and flow meter on the building sewer at a location which is suitable for the inspection and sampling of the discharged waters.
39. The control manhole shall be installed and maintained at the expense of the owner or occupier of the premises and shall be accessible at all times to the Public Works Superintendent.
40. The control manhole shall have a barrel diameter of 1200 mm, and shall be located on a straight run of building sewer extending at least 3 metres upstream of the manhole and 2 metres downstream. The section of building sewer on which the manhole is located shall have a gradient not exceeding 2 percent.
41. A permanent style Palmer Bowlus flume flow meter shall be installed as an integral part of the control manhole, and shall be sized to suit the peak design flows.
42. A Plumbing Permit shall be obtained by the owner or occupier prior to installation of a control manhole and flow meter.

PART 6 - MONITORING OF WASTEWATER

43. Should any testing of wastewater show that it is not in compliance with this bylaw, the Public Works Superintendent may direct the owner to comply with the bylaw and may, in addition, direct the owner at his expense to install such monitoring and recording equipment as is necessary to determine compliance and to supply the results of such monitoring to the Public Works Superintendent.
44. All tests, measurements, analyses and examinations of wastewater shall be carried out at the cost of the owner or occupier of the premises where a discharge occurs.
45. Sampling shall be carried out on samples composited by volume.

- 46. The Public Works Superintendent may require the owner or occupier of premises where wastewater is produced to provide an analysis, prepared by a qualified chemist, of the wastewater.

PART 7 - PROTECTION OF THE SANITARY SEWER SYSTEM

Disconnection of Sewer

- 47. Where any wastewater which:
 - (a) creates an immediate danger to any person, or
 - (b) endangers or interferes with the operation of the Sanitary Sewer System
 is discharged to the Sanitary Sewer System, the Public Works Superintendent may disconnect, plug or seal off the building sewer or drain line discharging the wastewater into the Sanitary Sewer System or take such other action as is necessary to prevent such wastewater from entering the Sanitary Sewer System, including the shut-off of water service to the subject property.
- 48. Wastewater described in Section 47 may be prevented from being discharged into the Sanitary Sewerage System until evidence satisfactory to the Public Works Superintendent has been produced to ensure that no further discharge of hazardous wastewater will be made to the system.

PART 8 - CONNECTION CHARGES

Amended
#2097

- 49. Every owner of land who connects a building or structure to the Sanitary Sewer System shall pay a connection charge to defray the cost of laying sewer connections as specified by Council by Bylaw.

Amended
#2097

- 50. The connection charge for a standard four inch (4”) diameter sewer connection shall be payable prior to the approval of the connection application as specified by Council by Bylaw.

Amended
#2097

- 51. The connection charge for a service connection with a diameter in excess of four inches (4”) shall be the actual cost of installation (including labour, materials and incidental expenses) with a minimum charge as specified by Council by Bylaw.
- 52. When a charge is payable under Section 51, the applicant shall pay the estimated amount of the charge, as determined by the Public Works Superintendent, at the time of the application for a connection. The actual charge shall be determined, and the balance paid or refunded, within 21 days after installation of the service connection.

- 53. Any charge which is payable under this Part and is unpaid on December 31 shall be entered on the tax roll by the Collector, as taxes in arrear.

PART 9 - USER CHARGES

Amended
#2033
#2097

- 54. An annual charge is imposed upon each owner and occupier of real property who makes use of the Sanitary Sewer System as of March 31 in any year, as specified by Council by Bylaw.

Amended
#2097

- 55. In addition to the user charges payable under Section 54, if the volume of industrial wastewater discharged from any premises exceeds 300 m³ in any 30 day period, an additional user charge shall be payable to the City as specified by Council by Bylaw.

Amended
#2033

- 56. (a) User charges payable under Section 54.1 (a) shall be shown by the Collector on the real property tax notice and payment of the user charge shall be due in the same manner and on the same dates as municipal property taxes.

(b) User charges payable under Section 54.1 (b) and (c) shall be payable in accordance with the City of Duncan Fees and Charges Bylaw No. 1759, 1995 and amendments thereto. These charges will be billed at least twice annually.

- 57. User charges payable under Section 55 shall be billed separately by the Collector and payment shall be due within 30 days of the date of the City's invoice for the charges.

- 58. Any user charge which is payable under this Part and is unpaid on December 31 shall be entered on the tax roll by the Collector, as taxes in arrear.

PART 10 - OFFENCE AND PENALTIES

Offence

- 59. Every person who violates any provision of this bylaw commits an offence.

Penalty

- 60. Every person who commits an offence against this bylaw shall be liable upon summary conviction to a penalty of up to \$10,000.00.

PART 11 - MISCELLANEOUS

- 61. Schedules “A” through “D” are attached to and form part of this bylaw.
- 62. “Sewer Rent Bylaw 1977, No. 1162” and all amendments thereto are hereby repealed.
- 63. “Connection Fee Bylaw 1977, No. 1166” and all amendments thereto are hereby repealed.
- 64. Any provision of this bylaw which is declared invalid by a court of competent jurisdiction shall be severed from this bylaw.

READ THE FIRST TIME on the 13th day of July, 1998.

READ THE SECOND TIME on the 13th day of July, 1998.

READ THE THIRD TIME on the 13th day of July, 1998.

RECONSIDERED, FINALLY PASSED and ADOPTED by the Municipal

Council of the City of Duncan on the 10th day of August, 1998.

Deputy Clerk of the Municipal
Council of the Corporation of
the City of Duncan.

Mayor.

I HEREBY CERTIFY that the foregoing is a true copy of Bylaw No. 1844 of The Corporation of the City of Duncan, being “Sewer Services Bylaw No. 1844, 1998” as reconsidered, finally passed and adopted on the day of , 1998.

Dated at Duncan, B.C.

this day of
 , 19

City Clerk.

Schedule "A"

DUNCAN SERVICE AREA BOUNDARIES

Bylaw No. 1844

Schedule "B"

APPLICATION FOR A WASTE DISCHARGE PERMIT

Application for a WASTE DISCHARGE PERMIT under the City of Duncan "Sewer Services Bylaw, 1844, 1998". This application is to be filed with the City of Duncan, not less than 90 days prior to the date for which a Permit is required.

1.I, _____
(Full name-if a company, British Columbia registered name)

Business Address:

Registered Address: _____

Incorporation Number: _____

hereby apply for a WASTE DISCHARGE PERMIT to discharge **non-domestic waste** into sanitary sewer from a:

(type of business)

Located at: _____

2. Summary of Wastewater Discharge Characteristics

Maximum Duration of Operation: (hours/day) _____

(days/week) _____

(weeks/year) _____

Schedule "B" contd.

Flow

Will the discharge be greater than 300 m³ in a 30 day period?: () yes () no

Frequency

Maximum discharge flow rate: _____(m³/day)

Average daily discharge flow rate: _____(m³/day)

Method of flow rate determination: _____

() measured () estimated
(Note: 1 m³=220 Imperial gallons, or 264 U.S. gallons)

Type of Discharge

() continuous () batch () both

Quality

Use the check boxes to indicate whether any of the following types of wastes are discharged:

- Flammable or explosive waste () yes () no
- Obstructive waste () yes () no
- Air contaminant waste () yes () no
- High temperature waste () yes () no
- Corrosive waste () yes () no
- Biomedical waste () yes () no
- Food waste () yes () no
- Radioactive waste () yes () no

Special Waste

Will any process within the premises produce Special Waste as defined under the Special Waste Regulation of the Waste Management Act of British Columbia?

() yes () no () don't know

3. **Wastewater Characteristics**

In the space provided, check the appropriate box for each wastewater contaminant to indicate whether the contaminant listed is “**known to be present**”, “**suspected to be present**”, “**suspected to be absent**”, or “**known to be absent**”, in the wastewater discharge.

If a contaminant is “known to be present” or “suspected to be present”, estimate the expected average and maximum daily contaminant concentrations in the spaces provided.

If wastewater discharges have been sampled and analyzed in the past, please attach examples of sampling data.

Schedule "B" contd.

Wastewater Contaminants	Known to be present	Suspected	Suspected to be absent	Known to be absent	Expected Concentration mg/L (ppm) Ave./Maximum
<u>Conventional Contaminants</u>					
Ammonia	()	()	()	()	____/____
Biochemical	()	()	()	()	____/____
Chemical Oxygen Demand (COD)	()	()	()	()	____/____
Suspended Solids	()	()	()	()	____/____
Oil and Grease (total)	()	()	()	()	____/____
PH Max. _____ Min. _____	()	()	()	()	____/____
<u>Organic Contaminants</u>					
Petroleum Hydrocarbons	()	()	()	()	____/____
Phenols (total)	()	()	()	()	____/____
Phenols (chlorinated)	()	()	()	()	____/____
Polycyclic Aromatic	()	()	()	()	____/____
Hydrocarbons (PAH)	()	()	()	()	____/____
PCB's	()	()	()	()	____/____

Schedule "B" contd.

Wastewater Contaminants	Known to be present	Suspected	Suspected to be absent	Known to be absent	Expected Concentration mg/L (ppm) Ave./Maximum
Pesticides	()	()	()	()	____/____
Benzene Ethylbenzene	()	()	()	()	____/____
Toluene	()	()	()	()	____/____
Xylenes	()	()	()	()	____/____
Solvents (specify)	()	()	()	()	____/____
<u>Inorganic Contaminants</u>					
Arsenic	()	()	()	()	____/____
Cadmium	()	()	()	()	____/____
Chromium	()	()	()	()	____/____
Cobalt	()	()	()	()	____/____
Copper	()	()	()	()	____/____
Cyanide	()	()	()	()	____/____
Iron	()	()	()	()	____/____
Lead	()	()	()	()	____/____

Schedule "B" contd.

Wastewater Contaminants	Known to be present	Suspected	Suspected to be absent	Known to be absent	Expected Concentration mg/L (ppm) Ave./Maximum
Molybdenum	()	()	()	()	____/____
Nickel	()	()	()	()	____/____
Nitrogen	()	()	()	()	____/____
Phosphorus	()	()	()	()	____/____
Sulphate	()	()	()	()	____/____
Sulphide	()	()	()	()	____/____
Zinc	()	()	()	()	____/____
Other (specify)	()	()	()	()	____/____

Number of Connections to Sewer

a. Sanitary Sewer

Domestic waste only _____

Non-domestic waste only _____

Combined domestic and non-domestic waste _____

(Note connection locations on attached site plan.)

Is stormwater discharged to sanitary sewer?
 yes () volume _____ m³/day no ()

Is uncontaminated water discharged to sanitary sewer?
 yes () volume _____ m³/day no ()

(Note connection locations on attached site plan.)

Schedule "B" contd.

b. Storm Sewer

Stormwater only _____

Uncontaminated water only _____

Combined stormwater and uncontaminated
Water _____

(Note connection locations on attached site plan)

Is non-domestic waste discharged to storm sewer?
yes () volume _____m³/day no ()

(Note connection location on attached site plan.)

Is nondomestic waste discharged to storm sewer?
yes () volume _____m³/day no ()

4. Sources of Wastewater Discharge to Sewer

(Note location of sources & control works on attached site plan.)

SOURCE OF WASTEWATER

(e.g. galvanizing line rise tank)

CONTROL WORKS TREATING

**EACH
SOURCE PRIOR TO DISCHARGE TO
SEWER***

(e.g. Trade Waste Interceptor)

a. Sanitary Sewer

Schedule "B" contd.

b. Storm Sewer

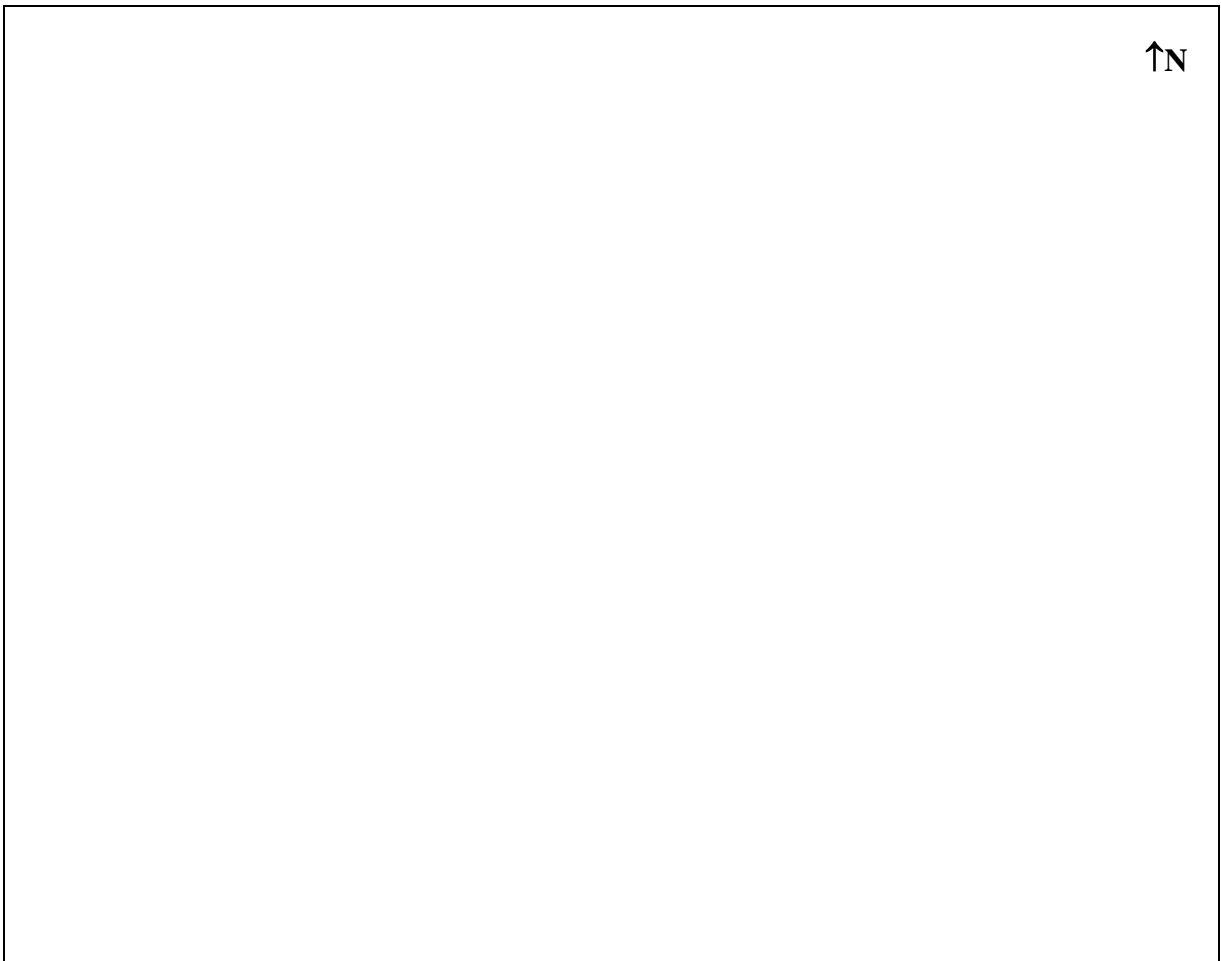
*Control Works include: oil/water separators, grease traps, filters, electrolytic precipitators, reverse osmosis units, ion exchange units, neutralization facilities and other wastewater pre-treatment works.

Schedule "B" contd.

5. **Site Plan**

Sketch a site plan in the area provided below or attach a site plan to this application form. The plan shall include property lines, buildings, pre-treatment works, effluent lines, sanitary and storm sewer connections, flow measuring devices, and monitoring points (or available sampling locations).

(Include approximate scale on site plan)



Schedule "B" contd.

6. Declaration

I, _____, declare that the information given on this application form is correct to the best of my knowledge.

(Date) (Signature of Applicant or Agent)

(Title) (Phone Number)

If you elect to appoint an Agent, please complete the following:

I, _____

(Print Name) (Title)

(Signature)

hereby authorize _____

(Print Name) (Affiliation)

to deal with you directly on all aspects of the subject application.

Schedule "C"

WASTE DISCHARGE PERMIT

Permission is hereby granted to

_____ (name)

pursuant to the Corporation of the City of Duncan Sewer Services Bylaw # 1844, 1998 to discharge non-domestic waste into the sanitary sewer system from a

_____ (type of business)

located at _____ (civic address)

WASTE WATER DISCHARGE CHARACTERISTICS

Duration of Operation: (hours/day) _____
(days/week) _____
(weeks/year) _____

Maximum discharge flow rate: _____ (m³/day)

Average daily discharge flow rate: _____ (m³/day)

TYPE OF DISCHARGE

() CONTINUOUS () BATCH () BOTH

All wastewater characteristics shall be in accordance with the information supplied in the application for waste water discharge permit and as declared by the applicant or agent.

(date)

(signature)

(title)

(mailing address)

Schedule "D"

THE CORPORATION OF THE CITY OF DUNCAN
SERVICE APPLICATION

Applicant:

DATE: _____

FAMILY

NAME: _____

MAILING ADDRESS: _____

Service Type:

RESIDENTIAL

MULTI-

COMMERCIAL

INDUSTRIAL

Job Location:

LOT ____ BLOCK ____ SECTION ____ RANGE ____

PLAN _____ FOLIO NO. _____

CIVIC ADDRESS _____

Standard Services:

***Cost:**

<input type="checkbox"/>	UNMETERED WATER	SIZE: _____	_____
<input type="checkbox"/>	METERED WATER	SIZE: _____	_____
<input type="checkbox"/>	SANITARY SEWER	SIZE: _____	_____
<input type="checkbox"/>	STORM SEWER	SIZE: _____	_____
<input type="checkbox"/>	PAVEMENT REPLACEMENT		

<input type="checkbox"/>	SIDEWALK REPLACEMENT		

<input type="checkbox"/>	DRIVEWAY INSTALLATION/RELOCATION		

<input type="checkbox"/>	OTHER	_____	_____

***I AGREE TO ABIDE BY ALL THE CITY OF DUNCAN BYLAWS AND REGULATIONS IN CONNECTION WITH THE SERVICE APPLICATION. ALL SERVICES ARE CHARGED AT COST. A FLAT RATE IS CHARGED AT THE TIME OF APPLICATION, WITH ANY EXCESS AMOUNT BEING BILLED WHEN THE INSTALLATION IS COMPLETE.**

AMOUNT: _____ PAID: _____ DATE OF OCCUPANCY: _____

APPLICANT SIGNATURE: _____

Public Works Department:

Date work completed: _____

Superintendent's signature: _____

GL: _____ PO# issued: _____

Remarks: _____
