

CITY OF KELOWNA

BYLAW NO. 10549

Amendment No. 3 to City of Kelowna "Sanitary Sewer/Storm Drain Regulation Bylaw No. 6618-90"

The Municipal Council of the City of Kelowna, in open meeting assembled, enacts that the Sanitary Sewer/Storm Drain Regulation Bylaw No. 6618-90 be amended as follows:

1. THAT TABLE OF CONTENTS be deleted in its entirety;
2. AND THAT the pre-amble be deleted that reads:

"AND WHEREAS pursuant to Section 611 of the Municipal Act, being Chapter 290 of the R.S.B.C. 1979, and amendments thereto, the Municipal Council may by bylaw provide for the establishment of a system of sewerage and drainage works and regulate the design of said works by persons other than the municipality and require connection to said works;"

and replaced it with;

"AND WHEREAS pursuant to Section 8(2) and 8(3) of the Community Charter the Municipal Council may by bylaw regulate, prohibit and impose requirements in relation to municipal services."

3. AND THAT all references to "City Subdivision Bylaw No. 6050-86" be deleted and replaced with "Subdivision, Development & Servicing Bylaw No. 7900";
4. AND THAT all references to "City Engineer" be deleted and replaced with "Manager";
5. AND THAT all references to "Director of Works and Utilities" be deleted and replaced with "Manager";
6. AND THAT SECTION 1 - ADMINISTRATION AND GENERAL REQUIREMENTS, 1.2 DEFINITIONS be amended as follows:

- a) Deleting the definition for City Engineer in its entirety that reads:

"City Engineer means the City Engineer as appointed by resolution of the Municipal Council or his duly appointed representative. The range of authority of the City Engineer is intended to be, but not limited to, items involving Capital Works and expenditures, sewer infrastructure integrity and when other bylaws are involved.";

- b) Deleting the definition for City Inspector in its entirety that reads:

"City Inspector means the Manager of Inspection Services as authorized by the Municipal Council or his duly appointed representative."

and replacing it with:

"City Inspector means the Manager Building & Permitting Branch or duly authorized representative.";

- c) Deleting the definition for Director of Works & Utilities in its entirety that reads:

"Director of Works & Utilities means the person appointed by the Municipal Council as the head of the City's Works & Utilities Department and includes employees of the Works & Utilities Department of the City when acting under the direction of the Director of Works & Utilities."

- d) Adding in its appropriate location, the new definition for Manager that reads as follows:

"Manager means the City's Manager of Utility Services, along with other City staff, who oversee the day-to-day-operation of the Sanitary Sewer and Storm Drainage systems, and administers this bylaw.";

- e) Deleting the definition for Standard Methods in its entirety that reads:

"Standard Methods means the Standard Methods of Water and Wastewater Analysis (17th Edition, 1989, or current edition at the time of testing) as published by the American Public Health Association, the American Water Works Association, the Canadian Standards Association, and the Water Pollution Control Federation."

And replacing it with;

"Standard Methods means the Standard Methods for the Examination of Water and Wastewater (21st Edition, 2005, or current edition at the time of testing, as published by the American Public Health Association (APHA), the American Water Works Association (AWWA), and the Water Environment Federation (WEF)."

7. **AND THAT SECTION 1 - ADMINISTRATION AND GENERAL REQUIREMENTS, 1.4 APPLICATION FOR SANITARY SEWER OR STORM DRAIN CONNECTION** be amended by deleting sub-paragraphs (a) and (b) in sub-section 1.4.1 in their entirety that reads:

- "(a) No person shall connect any building sewer or storm building sewer to the sanitary sewer system or the storm drain system until he has completed an application and an agreement in the form of Schedule "A" of this bylaw and paid the connection fee as applicable. The applicant shall, in completing such form of application and agreement, provide true and accurate information as to all details called for therein.
- (b) The applicant or an agent on his behalf must also obtain a plumbing permit and pay a sewer or drainage development charge unless such charge has been collected under the Development Cost Charge Bylaw requirements."

And replacing it with;

- "(a) A Property owner must make application to the City to install a Service Connection to the City Sanitary sewer or Storm Drain System in the form prescribed for that purpose by the City.

- (b) At the time of making the application referred to in section 1.4.1 (a), the Property owner shall pay an installation fee equivalent to the estimated cost of installing the Service connection, as determined by the Manager.
 - (c) After completion of the installation of the Service connection, the actual cost of the installation shall be determined by the Manager and any variation of more than 10% or \$500.00 whichever is greater from the fee paid under section 1.4.1 (b), shall be refunded by or be payable to the City, as applicable.
 - (d) The applicant or an agent on his behalf must also obtain a plumbing permit and pay a sewer or drainage development charge unless such charge has been collected under the Development Cost Charge Bylaw requirements.”;
8. AND THAT SECTION 1 - ADMINISTRATION AND GENERAL REQUIREMENTS, 1.7 INTERFERENCE WITH SEWER AND DRAIN SYSTEM, sub-section 1.7.2 be amended by deleting “Workers’ Compensation Act, being Chapter 437 of the R.S. B.C 1979 and amendments thereto.” and replacing it with “Workers’ Compensation Act, being Chapter 492 of the R.S. B.C 1996 and amendments thereto.”;
9. AND THAT SECTION 2 - WASTE DISCHARGE, 2.1 PROHIBITED WASTES, be amended by:
- a) Deleting sub-section 2.1.1 (b) in it’s entirety that reads:

“Any pesticides, insecticides, herbicides or fungicides save and except chemicals contained in storm water emanating from trees or vegetation treated in accordance with the Pesticide Control Act, R.S.B.C., 1979 C. 322 and regulations.”

And replace it with:

“Any pesticides, insecticides, herbicides or fungicides save and except chemicals contained in storm water emanating from trees or vegetation treated in accordance with the INTEGRATED PEST MANAGEMENT ACT, SBC 2003, and amendments thereto.”
 - b) Deleting sub-section 2.1.1 (i) in it’s entirety that reads:

“Any waste, liquid or material classified as a 'Special Waste' pursuant to the provisions of the WASTE MANAGEMENT ACT, R.S.B.C., 1979, C. 428.5 and amendments thereto.”

And replace it with:

“Any waste, liquid or material classified as a 'Hazardous Waste' pursuant to the provisions of the ENVIRONMENTAL MANAGEMENT ACT, S.B.C., 2003, and amendments thereto.”
10. AND THAT SECTION 2 - WASTE DISCHARGE, 2.2 STANDARDS FOR RESTRICTED WASTES, be amended by:

- a) Deleting sub-section 2.2.2(b)(i) in its entirety that reads "has a temperature greater than 40ø Celsius;" and replacing it with "has a temperature differential of +/- 5 degrees of background;"
- b) Deleting sub-sections 2.2.2(b)(vi) and 2.2.2(b)(vii) in their entirety that reads:
 - "(vi) would exceed those parameters as listed in "Approved and Working Criteria for Water Quality" as published by the Ministry of Environment, Lands and Parks, Water Management Division, May 1993, and "Urban Runoff Quality Control Guidelines for British Columbia: as published by Municipal Waste Branch, June 1992.
 - (vii) notwithstanding subsection 2.2.2 (b) (vi), would exceed 25.0 milligrams per litre above the background suspended solids of the downstream receiving environment during the months of May 15 to September 15, or 75 milligrams per litre above the background suspended solids of the downstream receiving environment during the months of October to April."

And replace them with:

- "(vi) would exceed those parameters as listed in "BRITISH COLUMBIA APPROVED WATER QUALITY GUIDELINES, 2006 Edition" and amendments thereto, as published by the Ministry of Environment and Lands, Environmental Management Branch.
 - (vii) notwithstanding subsection 2.2.2 (b) (vi), induced suspended sediment concentrations should not exceed background levels by more than 25 mg/L at any time when background levels are between 25 and 250 mg/L. When background exceeds 250mg/L, suspended sediments should not be increased by more than 10% of the measured background level at any one time."
11. **AND THAT SECTION 3 - ADDITIONAL REQUIREMENTS FOR CONNECTION TO THE SEWERAGE SYSTEM, 3.2 DESIGN REQUIREMENTS FOR NON-RESIDENTIAL USES CONNECTING TO THE SEWERAGE SYSTEM**, be amended by deleting sub-sections 3.2.5 to 3.2.7 inclusive that reads as follows:
- "3.2.5 Grease and oil interceptors shall be installed as close to the source of the material as practical and provided upstream of the service connection on private property for all food preparation facilities including restaurants, canning operations, killing and processing facilities. Such interceptors shall be so located as to be readily and easily accessible for cleaning and inspection. All interceptors shall be maintained by the owner at his expense in continuously efficient operation such that all provisions of this bylaw are complied with at all times.
 - 3.2.6 Grease, oil and sand interceptors shall be installed as close to the source of the material as practical and provided upstream of the service connection on private property for all vehicle repair and maintenance establishments and service stations. Interceptors will be required for other types of industries or commercial establishments as appropriate for the proper handling of liquid waste containing grease in excessive

amounts or any flammable wastes, sand, grit or other harmful ingredients. Such interceptors shall be so located as to be readily and easily accessible for cleaning and inspection. All interceptors shall be maintained by the owner at his expense in continuously efficient operation at all times. These types of building services shall be connected to the sanitary sewer where available.

- 3.2.7 Separate sand traps and oil and grease interceptors shall be provided upstream of the service connection on private property for all establishments which provide car, 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."

and replacing them with sub-sections 3.2.5 to 3.2.8 inclusive as follows:

- "3.2.5 Grease, oil and sand interceptors, or other Canadian Standards Association (CSA) certified devices approved by the Manager shall be installed as close to the source of the material as practical and provided upstream of the service connection on private property for all food preparation facilities including restaurants, canning operations, killing and processing facilities. They shall be so located as to be readily and easily accessible for cleaning and inspection and shall be maintained by the owner in continuously efficient operation such that all provisions of this bylaw are complied with at all times.
- 3.2.6 Grease, oil and sand interceptors or other (CSA) certified devices approved by the Manager, shall be installed as close to the source of the material as practical and located upstream of the service connection on private property for all vehicle repair and maintenance facilities, and petroleum product storage or dispensing facilities. Interceptors, settling tanks or sumps, filter systems, or other types of wastewater treatment works will be required for other types of industries or commercial establishments for the proper handling of liquid waste containing any flammable wastes, sand, grit or other harmful substances.
- 3.2.7 Separate sand traps and oil and grease interceptors or other (CSA) certified devices approved by the Manager, shall be provided upstream of the service connection on private property for all establishments which provide car, 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, minimum length to width ratio of 5:1, and a maximum overflow rate under peak flow conditions of 8 L/min/m².

3.2.8 All such wastewater treatment works required by sections 3.2.6 and 3.2.7 shall be so located as to be readily and easily accessible for cleaning and inspection, and shall be maintained by the owner at their expense in a continuously efficient operation such that wastewater discharges remain compliant with this bylaw, at all times. Sand, silt and other contaminants shall be removed from traps and sumps before these materials occupy 25 percent of the liquid depth. Accumulated oil and grease or other contaminants shall be removed often enough to prevent these materials from escaping to the sewer.

3.2.9 For indoor facilities or facilities that are covered and do not collect storm water, these types of wastewater treatment works required by section 3.2.6 and 3.2.7, shall be connected to the sanitary sewer (where available). For facilities exposed to the weather and which may collect storm water, these types of wastewater treatment works required by section 3.2.6 and 3.2.7, shall be connected to an on-site storm drainage system. Direct service connections to the City storm systems are not permitted.”

- 12. AND THAT SCHEDULE “A” SERVICE APPLICATION be deleted in its entirety;
- 13. AND THAT SCHEDULE “B”, Section 3. Waste Discharge Permit Fees, sub-section 3.1 and 3.2 be amended by deleting the reference to “G.S.T.” and replacing with the words “Applicable Taxes”;
- 14. AND THAT SCHEDULE “C”, Temporary Waste Discharge Permit be deleted in its entirety and replaced with a new SCHEDULE C-1 Temporary Waste Discharge Permit and SCHEDULE C-2 Temporary Storm Discharge Permit as attached to and forming part of this bylaw;
- 15. AND THAT SCHEDULE “D”, WASTE DISCHARGE PERMIT be deleted in its entirety and replaced with a new WASTE DISCHARGE PERMIT as attached to and forming part of this bylaw;
- 16. AND THAT SCHEDULE “D”, be further amended by:
 - a) adding the Title “Appendix 1” above the words “This Appendix sets out the standard conditions, engineering units, and the requirements of emergency procedures.”

b) Deleting the following from Section B ENGINEERING UNITS:

“IGPD	ö	220	=	M3/day
IGPM	ö	0.22	=	l/min
Cfs	ö	35.31	=	m3/s
ppm	ö	1	=	mg/L
lb	ö	2.205	=	kg”

and replacing it with the following:

“IGPD		220	=	1 M3/day
IGPM		0.22	=	1 l/min

cfs	35.31	=	1 m ³ /s
ppm	1	=	1 mg/L
lb	2.205	=	1 kg

- c) Deleting from Section **D EMERGENCY PROCEDURES**, the words “the Permittee shall notify the City of Kelowna at 862-3341 (24 hours) at the first available opportunity,” and replace it with the following “the Permittee shall notify the City of Kelowna at 250 469-8577 (Fire Hall dispatch - 24 hours) at the first available opportunity,”;
 - d) Deleting from Section **G. pH MONITORING** the words “Appendix C of this Permit,” and replace it with the words “Appendix 3 of the Permit,”;
 - e) adding the Title “**Appendix 2**” above the words “This Appendix sets requirements for the monitoring of the discharge of Non-Domestic Waste from a”;
 - f) deleting from Section **1. Continuous Discharges**, sub-paragraphs (b) and (d), the words “Appendix B” and replacing it with the words “Appendix 2”;
 - g) deleting from Section **2. Batch Discharges**, sub-paragraphs (b) and (c), the words “Appendix B” and replacing it with the words “Appendix 2”;
 - h) adding the Title “**Appendix 3**” above the words “This Appendix sets requirements for quantity and quality of the discharge of Non-Domestic Waste from a”
 - i) adding the Title “**Appendix 4**” above the words “This Appendix sets out the waste sources, works and procedures for the authorized discharges to SEWER.”
 - j) adding the Title “**Appendix 5**” above the title “**REPORTING REUIREMENTS FOR WASTE DISCHARGE PERMIT**” AND deleting from sub-paragraphs (a) and (b), the words “Appendix B” and replacing it with the words “Appendix 2”;
17. This bylaw shall come into full force and effect on the day of adoption.
18. This bylaw may be cited as “Bylaw No. 10549, being Amendment No. 3 to Sanitary Sewer/Storm Drain Regulation Bylaw No. 6618-90”.

Read a first, second and third time by the Municipal Council this 28th day of November, 2011.

Adopted by the Municipal Council of the City of Kelowna this

Mayor

City Clerk



Wastewater Treatment
 951 Raymer Avenue
 Kelowna, BC V1Y 4Z7
 250 469-8891
 kelowna.ca

Temporary Waste Discharge Permit

SCHEDULE C-1

CONTACT INFORMATION

Applicant Name:	
Address:	
Phone:	Fax:
Email:	

PERMIT NUMBER:
 Sanitary Sewer/Storm Drain Regulation By-Law No. 6618-90

Contact:	
Title:	
Phone:	Email:

DISCHARGE INFORMATION

Nature or type of wastewater (brief description)	
Discharge Location - Storm Drain or Sanitary Sewer:	
Estimate the total discharge and units of measure: (if applicable)	
How was discharge measured	
Permit Fee \$100.00 + \$12.00 (HST) Surcharge Fee Calculation (if applicable)	
Expiration date of permit or period of discharge:	

Specify the parameters of concern expected to be present in the discharge *(to be completed by City Staff)*

	Parameter	Parameter	Maximum Allowable Concentration	Units
i	Phosphorous	P	60	mg/L
ii	Copper	Cu	8	mg/L
iii	Zinc	Zn	12.5	mg/L
iv	pH	pH	6-9	
v				
vi				
vii				

Attach analytical results (as determined by certified laboratory) for all contaminants and corresponding volumes of substances noted above.	Does discharge contain constituents in concentration that meet or exceed Special Waste criteria as defined under the Special Waste Regulation of the Waste Management Act of British Columbia <input type="checkbox"/> Yes <input type="checkbox"/> No
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I, _____ declare that the information given on this form is correct and accurate to the best of my knowledge.

Dated: _____ Signature: _____

Approved by Source Control Technician: _____

RETAIN COPY OF THIS PERMIT ON SITE AT ALL TIMES



Civic Operations
 951 Raymer Avenue
 Kelowna, BC V1Y 4Z7
 250 469-8896
 kelowna.ca

Temporary Storm Discharge Permit

SCHEDULE C-2

CONTACT INFORMATION

Applicant Name:	
Address:	
Phone:	Fax:
Email:	

PERMIT NUMBER:
 Sanitary Sewer/Storm Drain Regulation By-Law No. 6618-90

Contact:	
Title:	
Phone:	Email:

DISCHARGE INFORMATION

Brief description of water to be discharged	
Discharge Location	
Estimate the total discharge and units of measure (if applicable)	
How was discharge measured	
Permit Fee \$100.00 + \$12.00 (HST)	Total: \$112.00
Expiration date of permit or period of discharge:	

Specify the parameters of concern expected to be present in the discharge (to be completed by City Staff)				
	Parameter	Result	Background	Maximum Acceptable Concentrations
i				
ii				
iii				
iv				
v				

Analysis must be completed by City Staff or a Certified Laboratory, if a certified lab is used results must be attached.	
I, _____ declare that the information given on this form is correct and accurate to the best of my knowledge.	
Dated:	Signature:
Approved by Water Quality Technician:	



Department Name -optional
1435 Water Street
Kelowna, BC V1Y 1J4
250 469-8500
kelowna.ca

Waste Discharge Permit

BYLAW NO. 6618-90 SCHEDULE D

Under the provisions of the City of Kelowna's Sanitary Sewer/Storm Drain Regulation Bylaw No. 6618-90

name

hereinafter referred to as the Permittee, is authorized to discharge Non-Domestic Waste to SANITARY OR STORM SEWER located at _____

(address)

This WASTE DISCHARGE PERMIT has been issued under the terms and conditions, including definitions, prescribed in the City of Kelowna's Sanitary Sewer/Storm Drain Regulation Bylaw No. 6618-90 hereinafter referred to as the BYLAW and in the attached Appendices 1, 2, 3, 4 and 5 for discharge sources and works existing or planned on _____

(date)

Issued _____
Waste Discharge Number WDP _____

