

City of Barrie

Discharge Agreement Application

Sewer Use Bylaw 2021-002

Lee Roberts 4-14-2022 _{V06}

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All discharges to the Municipal Sewer Systems are regulated by the City of Barrie's Sewer Use Bylaw 2021-002. Discharge of water originating from a source other than the City's Municipal Drinking Water System and leachate to the municipal sanitary sewer is prohibited unless authorized by a Discharge Agreement. Discharge of non-contact cooling water and water from dewatering activities to the municipal storm sewer is prohibited unless authorized by a Discharge Agreement.

A Discharge Agreement may be entered with respect to the discharge of wastewater or groundwater which contains water that has originated from a source other than the City water supply system. Detailed information, samples and studies relating to the quality, quantity and flow rate of the discharge must be provided to the City of Barrie before an approval for a Discharge Agreement to the Municipal Sewer Systems can be considered.

Please note: An application for a Discharge Agreement does not guarantee one will be issued.

SECTION 1 – DEFINITIONS & ABBREVIATIONS

<u>Accredited Laboratory</u> – any laboratory accredited by an authorized accreditation body in accordance with a standard based on "ISO/IEC/EN 17025: General Requirements for Competence of Calibration and Testing Laboratories" Established by the International Organization for Standardization as amended.

<u>Authorized Representative</u> – a principal executive office of at least the level of vice president (if the owner or operator is a corporation), a general partner or proprietor (if the owner of operator is a partnership or proprietorship) or a duly authorized representative who is responsible for the overall operation of the Site from which the discharge originates.

<u>Bylaw</u> – City of Barrie's Sewer Use Bylaw 2021-002, as amended.

<u>City</u> – the Corporation of the City of Barrie or its designated representative.

<u>Dewatering activity</u> – taking water from a well or otherwise extracting groundwater, draining water from a permanent or temporary pond or other surface water body, whether natural or man-made, releasing water previously stored in a tank(s), vessel(s), or other means of water storage, or any other combination of previously noted activities where the water from such activities would be discharged into the Municipal Sewage Works and such activities are related to a construction, land development, renovation, repair, maintenance or demolition activity at a Site.



<u>Discharge Agreement</u> – a legal agreement made between the City and a Person pursuant to the provisions of the Sewer Use Bylaw 2021-002.

<u>EASR</u> – Environmental Activity and Sector Registry, as prescribed in the *Environmental Protection Act, R.S.O. 1990, c. E.19*, as amended.

<u>Environmental Officer</u> – a person authorized by the City to carry out observations, inspection and take samples as prescribed by the City's Sewer Use Bylaw 2021-002.

Groundwater – water beneath the earth's surface accumulating as a result of seepage.

<u>Land Drainage Works</u> – works of any sort for the draining of land in the City including drainage channels for receiving water in its natural flow on or from any hills or other lands, and works diverting or damming the same to prevent its overflow into any other lands at a lower level, as well as drainage channels for carrying off water from any land.

<u>Leachate</u> – the liquid containing dissolved or suspended contaminates which emanate from waste (solid waste or garbage) and is produced by water percolating through waste or by liquid in waste.

<u>LSRCA</u> – Lake Simcoe Region Conservation Authority

MECP – Ministry of the Environment, Conservation and Parks

<u>Non-contact cooling water</u> – water that is used in a process for the purpose of removing heat and that has not come into contact with any raw material, intermediate product, waste product or finished product.

NVCA - Nottawasaga Valley Conservation Authority

<u>Person</u> – includes any individual, corporation, partnership, company, association or party and the heirs, executors, administrators, or other legal representatives of such person, to whom the context can apply according to law.

<u>Pre-treatment Process</u> – one or more treatment processes or devices designed to remove sufficient matter from the discharge to enable compliance with the effluent limits established in the Sewer Use Bylaw 2021-002.

<u>PTTW</u> – Permit to take Water, issued under the *Ontario Water Resources Act, R.S.O.* 1990, as amended.

<u>QP</u> – Qualified person as defined by O.Reg 153/04 Records of Site Condition, as amended.

<u>Sewer</u> – a pipe, conduit, drain, open channel or ditch for the collection and transmission of wastewater, stormwater or uncontaminated water or any combination.

<u>Spill</u> – a direct or indirect discharge into the Municipal Sewage Works or natural environment, that is abnormal in quantity or quality in light of all circumstances of the discharge as defined under the *Environmental Protection Act, R.S.O. 1990 c.E.19*, as amended.

SECTION 2 – APPLICATION INSTRUCTIONS

The approval and issuance of a Discharge Agreement by the City relies on the information and representations provided in this application. If any information or representation in this application is false, incomplete, inaccurate, or misleading, the City may terminate any Discharge Agreement issued in relation to that application.

All sections must be completed in full and be true and accurate in all respects. All required information and supporting documents must be submitted. The application must be signed by the applicant and the applicant shall be the legal entity to be named in the Discharge Agreement.

Incomplete applications will not be processed. The review and consideration of a completed application by the City requires a minimum of 4 weeks.

Completed application, with supporting documents can be submitted either by mail, in person or digitally by contacting Environmental.Compliance@barrie.ca to obtain a link for large file submissions. The application must be printed on standard letter size pages (8.5" x 11") apart from engineering drawings which must be submitted at a minimum size of 24" x 36"

By Mail	In Person
	City of Barrie Environmental Centre ATTN: Supervisor of Environmental Compliance, 272 Ferndale Dr N Barrie, ON

SECTION 3 - FEES

Application – currently there are no application fess related to the processing, approval, and issuance of Discharge Agreements

Sanitary Sewer Discharge Fee – the fees for discharge entering the Municipal Sanitary Sewer is calculated monthly utilizing the total volume discharged that month (based on



the discharge meter) with the non-residential wastewater rates from the City's current Fees Bylaw

Storm Sewer Discharge Fee – currently, there are no fees for the discharge entering the Municipal Storm Sewer

SECTION 4 – TERMS, CONDITIONS & LIMITATIONS

4.1 GENERAL

- 1. The applicant is responsible for all obligations of the discharger under the Discharge Agreement.
- 2. All information required must be submitted at the time of the Application. Failure to do so may result in the rejection of the Application.
- 3. The City reserves the right to request additional information which shall be provided within 30 calendar days of the request. Failure to do so will result in finding the Application withdrawn and the file closed.
- 4. Submission or acceptance of the Application shall in no way be constructed or be deemed to be an approval, authorization, or acceptance of any discharge into the City's sewers.
- 5. Where an Application is approved, no discharge into the City sewers shall be permitted until a Discharge Agreement has been signed by all parties and all the terms and conditions outlined in the Discharge Agreement have been met.
- 6. Neither the submission or acceptance of this Application nor the issuance of a Discharge Agreement shall in any way be constructed or be deemed to be an acceptance or waiver of any past discharge by the Site which is not in compliance with the Bylaw or otherwise relieve the Site of any liability.
- 7. The Municipal Storm Sewer is the preferred discharge location for non-contact cooling water and water from dewatering activities. Pre-treatment may be required for the discharge to comply with the Storm Sewer limits specified in the Bylaw.

4.2 DISCHARGE QUALITY

- 1. A sample of the representative discharge quality must be collected by the Applicant, submitted to an Accredited Laboratory for analysis and included in the application submission.
 - a. The sample must be collected within 1 year prior to this application.
 - b. All parameters listed in Appendix A must be included in the analysis.
 - c. Field or laboratory filtered samples will not be accepted.
- 2. Pre-treatment Plans shall include a detailed description of the proposed pretreatment systems(s), design capacities, contaminants to be removed, estimated

- removal efficiency, performance objectives, collection of any treatment byproducts (e.g. sludge, backwash water, etc.), operational and maintenance manuals for the devices and treatment system.
- 3. Dilution of discharge to achieve compliance with the Bylaw is prohibited.

4.3 FLOW METER

- 1. A properly functioning flow meter shall be obtained and installed by the Applicant, as approved by the City prior to any discharge.
- 2. The flow meter shall:
 - a. be digital and non-resettable
 - b. register not less than 98.5% and not more than 101.5% of the water that actually passes through the flow meter
 - c. be designed to record the readings cumulatively in the units of litres
 - d. display instantaneous flow in litres per minute
- 3. The flow meter calibration certificate shall clearly indicate:
 - a. The flow meter make, model, unit of measure, serial number, accuracy and pipe size diameter
 - b. If applicable, the flow meter register (e.g. display) make, model and serial number
- 4. The flow meter purchase receipt shall clearly indicate:
 - a. The flow meter make, model, unit of measure and serial number
 - b. If applicable, the flow meter register (e.g. display) make, model and serial number

4.4 CONTINGENCY PLANS

- In the event the Discharge Agreement expires, is suspended, or is terminated by the City or the City can no longer accept the approved discharge into the City sewers, a Contingency Plan (alternate disposal) must be developed and submitted with this application that outlines the alternative methods to dispose of the discharge.
- 2. In the event of deviance from acceptable discharge, a Contingency Plan (discharge quality) must be developed and submitted with this application that outlines the actions to be taken by the Applicant to ensure the discharge complies with the Bylaw limits. This plan should include, but is not limited to, alternate treatment or disposal, communication protocols and monitoring plan.
- 3. In the event of a Spill on the Site, a Spill Management Plan must be developed and submitted with this application that outlines the actions to be taken by the Applicant to mitigate the risk of a spill incident including communication



protocols. This plan should address any spills on site including, but is not limited to, silt, fuel, chemical, wastewater and dewatering wastewater or by-products.

4.5 DISCHARGE AGREEMENT LIMITATIONS

- 1. This Application and any subsequent Discharge Agreement issued by the City shall be subject to the Bylaw.
- 2. Without limiting any other right, remedy or enforcement power under the Bylaw, where the Applicant makes any false, misleading or inaccurate representation, as determined by the City, the City may reject the Application or cancel or terminate any Discharge Agreement arising from the Application. It is an offense to make any false, misleading, or inaccurate representations in this Application.

4.6 PRIVACY POLICY

1. Pursuant to the City of Barrie's Privacy Policy, all information submitted to and collected by the City of Barrie that is contained in reports, monitoring and inspection and sampling activities will, except as otherwise provided sufficient details as to the reason for its purported exemption from disclosure under the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA), be available for disclosure to the public in accordance with the Municipal Freedom of Information and Protection of Privacy Act.

SECTION 5 – SITE INFORMATION 5.1 SITE ADDRESS The full municipal address of the Site where the discharge will be occurring. 5.2 CITY CONTRACT NUMBER Is the Discharge Agreement for a City Project?

If YES	3, plea	se referend	ce the City	's Contra	ct Number below.
5.3 APPLICANT II	NFOR	MATION			
The applicant shall be in the Discharge Agr			(person,	partnersh	ip, or corporation) to be named
The applicant is:	⊐a Co	rporation	□a Part	nership	☐ an Individual (includes sole Proprietorship)
			APPLICA	NT	
Name (full legal na	me)				
Full Mailing Addres	S				
Telephone Number	١				
Alternative Number	r				
Email					
	as the	authority to	bind the		ne authorized representative of and will sign the Discharge
A	PPLIC	ANT'S AU	THORIZE	D REPRE	SENTATIVE
Name (full legal name)					
Title					
Full Mailing Address					
Telephone Number					
Alternative Number					
Email					



5.4 PROPERTY OWNER INFORMATION

For the purposes of the Site.	the Application, the	term "Property Owner'	' shall mean all owners of
Is the Applicant the Owner?	Property	□YES	□NO
Is there only one P	roperty Owner?	□YES	\square NO
	If YES to both, ski	p remainder of Section	1 5.4
Is the Applicant a le	essee of the	□YES	□NO
Is the applicant the Operator and Controller of the sewer on the Site?		□YES	□NO
	PROPI	ERTY OWNER	
Name (full legal name)			
Full Mailing Address			
Telephone Number			
Alternative Number			
Email			
		e owner, indicate and id lude this as supporting	

If the Property Owner is a Corporation or Partnership, provide the information in the chart below of the authorized representative of the Property Owner.

PROPERT	Y OWNER'S AUTHORIZED REPRESENTATIVE
Name (full legal name)	
Title	
Full Mailing Address	
Telephone Number	
Alternative Number	
Email	

5.5 BILLING CONTACT INFORMATION

Billing contact information for the Applicant.

BILLING CONTACT		
Name		
Title		
Telephone Number		
Email		



5.6 CONTRACTOR CONTACT INFORMATION

Will a contractor be performing work related to the discharge?	□YES	□NO
If YES, please provide the con	tractor information in	the chart below.

	CONTRACTOR
Name (full legal name)	
Full Mailing Address	
Telephone Number	
Alternative Number	
Email	
CONTRA	ACTOR'S AUTHORIZED REPRESENTATIVE
Name (full legal name)	
Title	
Full Mailing Address	
Telephone Number	
Alternative Number	
Email	

5.7 TECHNICAL ADVISOR CONTACT INFORMATION

Will a technical advisor (e.g. Environmental Consultant, Engineering Consultant) be involved □YES \square NO with the discharge? If YES, please provide the technical advisor information in the chart below. TECHNICAL ADVISOR Name (full legal name) Full Mailing Address Telephone Number Alternative Number Email TECHNICAL ADVISOR'S AUTHORIZED REPRESENTATIVE Name (full legal name) Title Full Mailing Address Telephone Number Alternative Number Email SECTION 6 – BACKGROUND INFORMATION 6.1 DISCHARGE QUALITY Sample collection date Sample point



Accredited Laboratory

Were all the parameters in Appendix A analyzed?	□YES	□NO
If NO please list the parameters that were not analyze	ed.	
Does the sample analysis confirm the discharge quality complies with Section 3 and Appendix A – Table 1 of the Bylaw?	□YES	□NO
If NO please list the parameters that exceeded the By (mg/L).	law and subse	equent result
Does the sample analysis confirm the discharge quality complies with Section 4 and Appendix A – Table 2 of the Bylaw?	□YES	□NO
If NO please list the parameters that exceeded the By (mg/L).	law and subse	equent result

6.2 SIT	E CONDITIONS		
Is this application for dewatering activities?		□YES	□NO
	has a Hydrogeological een completed?	□YES	□NO
If YES	Name of Report Name of Company who prepared report		
		y of the seasonal groundwa evelopment phases below.	ter levels, depth of



6.3 EN	/IRONMENTAL CONI	DITIONS	
	Environmer	ntal Compliance Approvals (ECA's)	
	ne Site have any active	□YES	□NO
ECA's?		CA and associated number.	
11 1 1 2 3,	please list the Type of L	COA and associated number.	
	Rec	ord of Site Condition (RSC)	
Has a F	RSC been filed?	□YES	□NO
		imental Site Assessment (Phase I ESA)	
comple	Phase I ESA been ted?	□YES	□NO
	Title of Report		
If YES	Name of QP reviewer		
	Date of Report		
	Phase II Environ	mental Site Assessment (Phase II ESA)	
Has a F	Phase II ESA been	,	
comple		□YES	□NO
	Title of Report		
If YES	Name of QP reviewer		
	Date of Report		
	Certif	ficate of Property Use (CPU)	
Has a C	CPU been issued?	□YES	□NO
If YES,	CPU number		
) A 1	Risk Assessment (RA)	
Has a F	RA been completed?	□YES	□NO
	Title of Report		
If YES	Name of QP reviewer		
	Date of Report		
	Date of Nepolt		

SECTION 7 – DISCHARGE INFORMATION
7.1 TYPE
Check all that apply
 □ Dewatering □ Leachate □ Non-contact cooling water □ Other:
7.2 SOURCE
Please provide a description of the process producing the discharge, including the method of it's discharge.



7.3 LOCATION					
Proposed discharge location: ☐Stor				torm Sewer	□Sanitary Sewer
If sanitary sewer was selected, provide justinot feasible; this must include why pre-treat possible.				•	
7.4	7.4 DURATION & VOLUME				
	rt Date 'YY-MM-DD)			End Date (YYYY-MM-DD)	
Proposed Average Flow rate of discharge (L/min)		Proposed Maximum Flow Rate of Peak Discharge (L/min)			
Proposed Maximum Number of Hours of Discharge Per day (Hr/day)		Maximum Total Discharge Volume Per day (L/day)			
Flow Meter Information					
	Serial Number of	Flow Meter		Serial Number for reg	ster (e.g. display unit)
1.					
2.					
3.					

7.5 PRE-TREATMENT PLAN		
Does the sample analysis provided in Section 6.1 confirm the discharge quality complies with the Bylaw?	□YES	□NO
If NO please provide a summary of the pre-treatmer be used.	nt methods and/o	r equipment to
Z O MONITORINO DI ANI		
7.6 MONITORING PLAN		
Please provide a description of the monitoring plan for	or the discharge.	
Please provide a description of the monitoring plan for	or the discharge.	
Please provide a description of the monitoring plan for	or the discharge.	
Please provide a description of the monitoring plan for	or the discharge.	
Please provide a description of the monitoring plan for	or the discharge.	
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Please provide a description of the monitoring plan for	or the discharge.	
Please provide a description of the monitoring plan for	or the discharge.	
Please provide a description of the monitoring plan for	or the discharge.	
Please provide a description of the monitoring plan for	or the discharge.	



7.7 OTHER APPROVALS

LSRCA		
Has a permit for work in a regulated area been issued?	□YES	□NO
If YES, permit number-		
If YES, is the Permit holder the same as the Applicant?	□YES	□NO
NVCA		
Has a permit for work in a regulated area been issued?	□YES	\square NO
If YES, permit number-		
If YES, is the Permit holder the same as the Applicant?	□YES	□NO
MECP		
Has an EASR been completed for the Site?	□YES	\square NO
If YES, Approval Number-		
If YES, is the EASR holder the same as the Applicant?	□YES	□NO
Has a PTTW been issued for the Site?	□YES	\square NO
If YES, PTTW Number-		
If YES, is the PTTW holder the same as the Applicant?	□YES	□NO

SECTION 8 – CONTINGENCY PLAN

The following Contingency Plans must be developed and submitted with the application. Failure to do so will result in the rejection of the application.

8.1 ALTERNATIVE DISPOSAL			
Has a Contingency Plan related to alternative disposal been developed?	□YES	□NO	
8.2 DISCHARGE QUALITY			
Has a Contingency Plan related to discharge quality been developed?	□YES	□NO	
Has the effectiveness of any proposed pre- treatment been determined?	□YES	□NO	
8.3 SPILL			
Has a Spill Management Plan related to spills been developed?	□YES	□NO	

SECTION 9 – SUPPORTING DOCUMENTS

9.1 - SITE INFORMATION DOCUMENTATION

If the	e Applicant (check applicable)		
	is an individual, a copy of government issued identification of the full legal name of the individual		
	operates under a business name, a copy of the business name registration is a corporation, a copy of the Letters of Incorporation, Letters Patent or Charter and any amendments		
	is a limited or general partnership, a copy of the partnership registration and any amendments		
If the	e Applicant is NOT the Property Owner,		
	a copy of government issued identification of the Property Owner a signed letter of authorization from the Property Owner consenting to the		
Ш	proposed discharge from the Site		
If the □	ere is more than one Property Owner, the following for EACH property owner, contact information of Property Owner (as outlined in Property Owner Table – Section 4.4)		
	a copy of government issued identification of the Property Owner		
	a signed letter of authorization from the Property Owner consenting to the proposed discharge from the Site		
If the	e Applicant has a (check applicable)		
	Contractor, a signed letter of authorization from the Applicant or Property Owner identifying any authority and the extent of such authority granted to the Contractor		
	Technical Advisor, a signed letter of authorization from the Applicant or Property Owner identifying any authority and the extent of such authority granted to the Technical Advisor		
9.2 –	BACKGROUND INFORMATION DOCUMENTS		
	harge quality, copies of the Certificate of Analysis		
	Chain of Custody Record		
If the application is for dewatering activities AND a hydrological study has been completed			
☐ A copy of the Hydrogeological Report			



If the	Site has an (check applicable) ECA, copies of all ECA's Phase I ESA, a copy of the report Phase II ESA, a copy of the report CPU, a copy of the certificate RA, a copy of the report
	DISCHARGE INFORMATION DOCUMENTS
J.J −	An aerial map of the Site that includes the discharge location, any storm or
	sanitary sewer infrastructure, creeks, Site servicing plan, grading, ESC Site map with locations of infrastructure, sump discharges, access points
For e	each flow meter,
	a copy of the manufacturer's specifications
	a copy of the signed calibration certificates
	IF the flow meter is newly purchased AND unused within the last 30 days, a copy of the purchase receipt will be accepted
	discharge requires pre-treatment, a copy of the Pre-treatment Plan, that includes the following: drawings/schematics indicating the installation location of the proposed pre-treatment system mechanical drawings showing the source of the pre-treatment systems intake water and backwash water discharge location (if applicable) process flow chart of the proposed pre-treatment system copies of the pre and posted treated water quality analysis report for all parameters listed in Appendix A of this application copies of the pre and posted treated water quality analysis report for all parameters listed in Appendix A of this application
If the	Site has been issued a LSRCA permit, a copy of the permit NVCA permit, a copy of the permit PTTW, a copy of the PTTW and any documents listed in the Schedule EASR, a copy of the EASR and copies of the following: Water Taking Plan Discharge Plan Notification issued to the Municipality

9.4 - CONTINGENCY PLAN DOCUMENTS

Copie	es of t	the Contingency plans that address the following;	
	Alte	rnative disposal	
	 Discharge quality, IF additional pre-treatment is proposed, the following documents shall be included 		
		drawings/schematics indicating the installation location of the prosed pre- treatment system	
		mechanical drawings showing the source of the pre-treatment systems intake water and backwash water discharge location (if applicable)	
		copies of the pre and posted treated water quality analysis report for all parameters listed in Appendix A of this application	
		copies of the operational and maintenance manuals for the pre-treatment device/system	
	Spil	Is	

SECTION 10 - DECLARATION

By signing this application, the Applicant

- Represents that they have the authority to bind all owners of the Site in respect to the terms and conditions contained in this Application and Sewer Use By-law 2021-002 (as amended) to an owner in respect to discharges from the Site;
- Agrees to assume all other responsibility and liability whatsoever in respect to any discharge from the Site;
- Accepts and agrees to abide by all the terms and conditions contained in this Application and any ensuring Discharge Agreement;
- Agrees to provide additional information in respect to this Application and the Applicant's operations as the City may require; and
- Understands that the submission of this Application for a Discharge Agreement does not guarantee that a Discharge Agreement will be issued.

The applicant acknowledges that the Applicant has read this document in its entirety, understanding its significance completely, has consulted with and obtained all such professional assistance, including legal, as may be prudent and agrees to be bound by the terms and conditions contained in this Application and any subsequent Discharge Agreement.



By submitting this Application, the Applicant confirms, represents, and warrants that:

- 1. The Applicant has authorization by the owner(s) of the Site to make this application;
- 2. This application is complete and compliant with the requirements of this application; and
- 3. All information contained in this Application is true and accurate in all respects.

The Applicant authorises the City's representatives to verify any information provided by the Applicant or within this applicant and will fully cooperate in respect to same.

FULL NAME OF APPLICANT (please print)	
CIONATURE OF ARRUGANT	
SIGNATURE OF APPLICANT	
DATE	

APPENDIX A

Analysis Parameters - Sewer Use By-law #2021-002

Ammonia (Total) Phenolics
Biochemical Oxygen Demand (BOD-5) Platinum

Chloride Polycyclic Aromatic Hydrocarbons (PAH's)

Chemical Oxygen Demand (COD) Sulphate
Cyanide Sulphides

Fluoride Total Kjeldahl Nitrogen (TKN)

Oil & Grease (animal & veg) Total Phosphorus (TP)

Oil & Grease (mineral) Total Suspended Solids (TSS)

Petroleum Hydrocarbons (PHC's)

(F1-F4)

METALS

Aluminum Copper Platinum
Antimony Gold Rhodium
Arsenic Iron Selenium
Barium Lead Silver
Bismuth Manganese Tin

CadmiumMercuryVanadiumChromiumMolybdenumZinc

Cobalt Nickel

VOCs

Benzene 1,2-Dichloroethane Toluene Bromodichloromethane 1,2-Dichloroethylene 1,2,4-Trichlorobenzene **Bromoform** 1,2-Dichloropropane 1,1,1-Trichloroethane **Bromomethane** Ethylbenzene 1,1,2-Trichloroethane Chlorobenzene Hexachlorobenzene Trichloroethylene Trichlorofluoromethane Chloromethane Methyl tert-butyl ether 1,2-Dichlorobenzene Methylene Chloride 1,3,5-Trimethylbenzene Vinyl chloride 1,3-Dichlorobenzene Styrene 1,4-Dichlorobenzene 1,1,1,2-Tetrachloroethane Xylenes, total 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane

Tetrachloroethylene



1,1-Dichloroethylene