

Information Requirements Table for MWR Registrations

Application Tracking Number: [Click here to enter text.](#)
 Authorization Number: [Click here to enter text.](#)
 [Insert company / project name]

Applicant Summary	
Application Tracking #	
Authorization #	
Applicant / Facility Name	

Ministry of Environment and Climate Change Strategy	
Prepared by:	
Title	
Date	

The *Information Requirements Table (IRT) for Municipal Wastewater Regulation (MWR) Registrations* is a tool used by Ministry of Environment and Climate Change Strategy (ENV) staff to document specific guidance and instructions given to a registrant pursuing an exemption from sections 6(2) and (3) of the *Environmental Management Act (EMA)* to discharge municipal effluent or provide reclaimed water in accordance with the MWR.

Note - this document was developed to capture all the items and complexities concerning municipal wastewater regulation registrations. Accordingly, for any given application, not all the items will apply and not all required items will warrant detailed discussion of methods and other concerns.

As part of the Preliminary Application Phase, ENV will discuss with the applicant the items listed in this table to determine what will be required in support of their final application. A tick mark in the “Required” column of the table indicates an information item to be included into the application package as agreed to by both parties or as directed by ENV. Should it be determined that specific methods will be used to derive this information, this will be specified with a tick mark in the “Methods” box and specific details in the “Comments” column. Specific methods may not be necessary for applications that will not require a subject matter expert review. In cases where complex impact assessments are to be undertaken, agreement on the methods used will be required. For simple methods, the methods used could be discussed with the applicant in a meeting and noted as agreed to in the “Comments” column. For more complex methods, the applicant may be required to submit a “Methods Package” by an agreed date for ENV review, comment and acceptance. Once methods are accepted by ENV they should be either described in the “Comments” column and/or a reference made to the document describing the Methods Package.

If required, this document will form part of an Application Instruction Document (AID) which documents application submission requirements for the applicant. The AID is issued by the Director after a preliminary application meeting has occurred.

The Ministry of Environment and Climate Change Strategy will be assessing this application against this table and it is expected that the applicant does the same prior to any preliminary meetings and/or prior to any final submissions. The Ministry will be screening the final received application against the requirements noted in the AID to ensure it is complete before resources are dedicated to a full, detailed review.

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1 TECHNICAL ASSESSMENT REPORT			
1.1 Describe the project including the source of municipal wastewater, the type of treatment, applicable effluent quality requirements or reclaimed water category and discharge or reuse location.	Required <input type="checkbox"/>	Municipal Wastewater Regulation MWR Reference: [12]	
1.2 Provide a detailed map of the project location including the treatment works, discharge location and surrounding land and water uses and potential environmental receptors.	Required <input type="checkbox"/>		
1.3 Provide full characterization of the influent and any source control measures.	Required <input type="checkbox"/>	MWR Reference: [7]	
1.4 Provide the maximum daily flow calculation and average dry weather flow calculation, if applicable.	Required <input type="checkbox"/>	MWR Reference: [2, 45 (b)(i)]	
1.5 Treatment			
1.5.1 Provide a process flow diagram for the wastewater facility	Required <input type="checkbox"/>		
1.5.2 Specify the treatment design criteria including treatment capacity, retention times, and input and output water quantity and quality. Include a description of the method of disinfection and the treatment of flows above 2xADWF, if applicable.	Required <input type="checkbox"/>	Authorization from the Director is required to use chlorine. MWR Reference: [51-52, 69, 77, Table 3, 94-98, Table 9-11, 104, 107, 113, Table 13]	
1.5.3 Provide treatment system detailed design drawings including discharge works, certified, signed and stamped by a qualified professional.	Required <input type="checkbox"/>		
1.5.4 Provide rationale for expected treatment effectiveness (e.g., examples with similar conditions, bench scale test, pilot tests), including an evaluation of effectiveness under potential variable operating conditions (e.g., flood or storm events).	Required <input type="checkbox"/>		
1.5.5 Describe how the design of the wastewater facility meets component and reliability requirements including pumping facilities.	Required <input type="checkbox"/>	MWR Reference: [34-37 & Table 1]	
1.5.6 If using septic tanks, confirm that the septic tank has a hydraulic capacity of at least 2 days minimum detention time at the design maximum daily flow.	Required <input type="checkbox"/>	MWR Reference: [39 (a)]	
1.5.7 If using septic tanks, confirm the septic tank is fitted with an effluent filter, a screen or an equivalent measure to protect pumps.	Required <input type="checkbox"/> Waiver Requested <input type="checkbox"/>	MWR Reference: [39 (c)]	

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1.6 Discharge to Ground			
1.6.1 Provide a site plan to scale that includes the drain fields, property boundary, building drain, buffer strips, nearby water wells and bodies of water, and monitoring locations.	Required <input type="checkbox"/>	MWR Reference: [82, 85]	
1.6.2 If actual daily flows are used, describe the water conservation measures proposed and include the restrictive covenant for the property.	Required <input type="checkbox"/>	MWR Reference: [74]	
1.6.3 Confirm that the local background concentrations and/or the Contaminated Sites Regulation (CSR) Groundwater Standards will be met at the Initial Dilution Zone (IDZ). Outline which chemicals were considered and what levels they are predicted to be attain at the IDZ.	Required <input type="checkbox"/>	MWR Reference: [51]	
1.6.4 Describe the infiltration system, including its design and operation, maintenance and equipment monitoring. Describe how the design and construction specifications of the system meet the MWR.	Required <input type="checkbox"/>	MWR Reference: [78-81; 83 or 84]	
1.6.5 Describe the 3-dimensional size of the initial groundwater dilution zone, including its edge where the local background concentrations and/or the CSR Groundwater Standards must be met. Describe the location of the edge of the dilution zone in relation to the property boundary, the nearest water supply well or surface water. Include a discussion of the subsurface travel time, including through the unsaturated zone, to the property line, capture zone of nearest water well or surface water.	Required <input type="checkbox"/>	MWR Reference: [71-72]	
1.6.6 Estimate the size of the groundwater mound from the proposed discharge including the minimum unsaturated soil depth and whether the mound or the discharge may extent to or daylight at ground surface.	Required <input type="checkbox"/>	MWR Reference: [73, 76]	
1.6.7 Describe whether the discharge will require advanced treatment based on its total nitrogen content and the discharge area.	Required <input type="checkbox"/>	MWR Reference: [77]	
1.7 Discharge to Water:			
1.7.1 Provide a site plan to scale showing the discharge location, the IDZ, other discharges and their IDZ, recreational areas, shellfish harvesting areas, domestic or agricultural water intakes and any other sensitive areas identified in the EIS.	Required <input type="checkbox"/>	MWR Reference: [91(2), 92, 93]	
1.7.2 Provide the dilution ratio calculation and identify any additional requirements resulting from this.	Required <input type="checkbox"/>	MWR Reference: [2 (2), 94]	

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1.7.3 Describe the IDZ and demonstrate how the IDZ meets applicable MWR requirements.	Required <input type="checkbox"/>	MWR Reference: [91-93]	
1.7.4 Describe the design of the outfall and describe how it meets the requirements of the MWR.	Required <input type="checkbox"/>	MWR Reference: [99]	
1.7.5 Provide critical flow calculation for discharges under 5,000 m ³ /d.	Required <input type="checkbox"/>	MWR Reference: [100]	
1.7.6 Identify whether the MWR requires advanced treatment (nutrient removal) for the proposed receiving environment.	Required <input type="checkbox"/>	MWR Reference: [97]	
1.7.7 Identify whether the MWR requires an enhanced EIS for the proposed receiving environment. If so, Terms of Reference for the EIS need approval by ENV.	Required <input type="checkbox"/> Method <input type="checkbox"/>	MWR Reference: [98] Submit Terms of Reference for the Environmental Impact Study for approval by ENV prior to undertaking the EIS.	
1.8 Reclaimed Water:			
1.8.1 Provide a site plan to scale showing all the reclaimed water use locations and all sensitive receptors identified in the EIS. If irrigating or impounding reclaimed water, include distance to nearest water well or in-ground reservoir used for domestic supply.	Required <input type="checkbox"/>	MWR Reference: [109(2)]	
1.8.2 Provide reason for proposed reclaimed water category based on the EIS, design, use and likelihood of exposure.	Required <input type="checkbox"/>	MWR Reference: [104]	
1.8.3 Provide an assessment of the maximum ground surface slope on which reclaimed water is being applied.	Required <input type="checkbox"/>	MWR Reference: [109(50)]	
1.8.4 Include information and communication materials for users.	Required <input type="checkbox"/>	MWR Reference: [109(6)]	
1.8.5 For Greater Exposure Potential, describe method of virus removal.	Required <input type="checkbox"/>	MWR Reference: [110]	
1.8.6 For Moderate Exposure Potential, confirm commercial crops irrigated with reclaimed water will undergo chemical or physical processing sufficient to destroy pathogens.	Required <input type="checkbox"/>	MWR Reference: [111]	
1.8.7 For Moderate Exposure Potential, if livestock grazing fields are irrigated, describe how grazing will be prohibited for 3 to 6 days after irrigation ends as applicable.	Required <input type="checkbox"/>	MWR Reference: [111]	
1.8.8 For Moderate or Low Exposure Potential, describe how worker contact will be minimized.	Required <input type="checkbox"/>	MWR Reference: [112]	
1.8.9 Describe the alternate disposal or storage system.	Required <input type="checkbox"/> Waiver Requested <input type="checkbox"/>	MWR Reference: [114]	

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1.8.10 If a dual distribution system is used, describe the design, construction, maintenance and inspection safeguards to prevent cross connection.	Required <input type="checkbox"/>	MWR Reference: [117]	
2 ENVIRONMENTAL IMPACT STUDIES			
2.1 Construction			
2.1.1 Description of site work, including location of roads, buildings, ditches or drainage, pipelines, excavation, berms and related issues such as slope stability, rainwater management, and erosion control measures.	Required <input type="checkbox"/>		
2.1.2 Do an assessment of potential impacts on terrestrial and aquatic vegetation, benthic invertebrates, fish and wildlife.	Required <input type="checkbox"/>		
2.1.3 Assess potential impact on sensitive habitats (e.g. ecosystems at risk, fish spawning/rearing habitats).	Required <input type="checkbox"/>		
2.1.4 Assess impact on quality of surface water and groundwater.	Required <input type="checkbox"/>		
2.1.5 Assess potential impacts on traffic patterns.	Required <input type="checkbox"/>		
2.1.6 Assess potential impacts of noise and air quality.	Required <input type="checkbox"/>		
2.1.7 Do an archaeological impact assessment	Required <input type="checkbox"/>		
2.2 Overflow			
2.2.1 Quantify overflow events based on 5-year return period precipitation.	Required <input type="checkbox"/>		
2.2.2 Establish receiving water beneficial uses and sensitive receptors.	Required <input type="checkbox"/>		
2.2.3 Determine guidelines, referencing BC Approved Water Quality Guidelines (WQG), to protect beneficial uses and sensitive receptors.	Required <input type="checkbox"/>		
2.2.4 Evaluate measures to protect public health and the receiving environment and any treatment needed to designated uses of waters, but as minimal control of floatables and materials of obvious sewage origin.	Required <input type="checkbox"/>		

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2.3 Discharges to Ground:			
2.3.1 Characterize the pre-discharge environmental baseline conditions at the property where the discharge is to occur and the receiving environment downslope of the discharge. This should include the baseline's spatial boundaries, conditions during the most critical times (e.g. low flow), monitoring rationale and locations, monitoring parameters, results and comparison to the water quality benchmarks (e.g. WQG or CSR groundwater standards). The applicant is encouraged to synthesize and present the environmental baseline conditions in a conceptual model. The environmental baseline monitoring should be developed in sync with the operational/discharge monitoring, so that a single monitoring network can be used for both monitoring.	Required <input type="checkbox"/>		
2.3.2 Assess the local hydrogeological conditions including stratigraphy, soil classification, water table elevations, fluctuation and flow direction, and soil and aquifer hydraulics including field-saturated hydraulic conductivity, groundwater quality and flux, and subsurface travel times in both unsaturated and saturated zones.	Required <input type="checkbox"/>		
2.3.3 Evaluate and describe the pathways and linkages between the proposed discharge and the users of the receiving environment.	Required <input type="checkbox"/>		
2.3.4 Evaluate potential impacts of the proposed discharge on the receiving environment, including whether the receiving environment quality will meet the water quality benchmarks, and under what conditions.	Required <input type="checkbox"/>		
2.3.5 Provide mitigation strategies to ensure that the proposed discharge will protect the receiving environment.	Required <input type="checkbox"/>		
2.3.6 Determine the reliability category used to inform the component requirements for the wastewater facility.	Required <input type="checkbox"/>		
2.3.7 Evaluate potential cumulative impacts of the discharge on the receiving environment.	Required <input type="checkbox"/>		
2.3.8 Propose additional effluent quality requirements if necessary to protect public health and the receiving environment.	Required <input type="checkbox"/>		

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2.4 Discharge to Surface Water			
2.4.1 Characterize the Receiving Environment			
2.4.1.1 Provide a figure at an appropriate scale that shows the location of the outfall terminus, the IDZ and the locations of any sensitive receptors (e.g. recreational areas, water intakes, shellfish beds, protected areas, ecosystems at risk etc.). The figure should include topology (contour lines, bathymetry), dominant current vectors and standard map features (north arrow, scale).	Required <input type="checkbox"/>		
2.4.1.2 Provide a summary of the seasonal hydrological conditions including tides, currents, flow rates, flushing rates.	Required <input type="checkbox"/>		
2.4.1.3 Provide a summary of the seasonal temperatures, precipitation, wind speeds and direction.	Required <input type="checkbox"/>		
2.4.1.4 Provide a summary of the current and future receiving environment water uses and locations of any public areas, private residences, commercial or recreational fisheries, water intakes or traditional food harvesting areas in relation to the discharge location.	Required <input type="checkbox"/>		
2.4.2 Characterize the pre-discharge environmental baseline conditions:		<i>Thorough desktop review and/or adequate field sampling of water, sediment and biota.</i>	
2.4.2.1 Describe pre-discharge monitoring locations, sampling parameters and frequencies including rationale for their selection.	Required <input type="checkbox"/>	MWR Reference: [19(2)(c)]	
2.4.2.2 Provide a summary of all existing water quality and sediment quality data compared to applicable water and sediment quality guidelines.	Required <input type="checkbox"/>		
2.4.2.3 Summarize existing benthic community data including species and abundance.	Required <input type="checkbox"/>		
2.4.2.4 Provide an assessment of seasonal current speed and direction through approved methods such as current meter and drogue study.	Required <input type="checkbox"/>		

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2.4.2.5 Assess seasonal water column stratification and ambient conditions through approved methods such as depth profiles of temperature, dissolved oxygen, conductivity, pH and salinity.	Required <input type="checkbox"/>		
2.4.2.6 Do a hydrodynamic analysis of minimum available dilution and mixing in the receiving environment using approved methods.	Required <input type="checkbox"/>		
2.4.2.7 Assess flushing rates or lack thereof and determination of any known back eddies. For proposed discharges into lakes assessment of limnology including stratification and overturn, average yearly lake outflow, theoretical detention time.	Required <input type="checkbox"/>		
2.4.2.8 If daily flow is more than or equal to 50 m ³ /day then the ammonia discharge limit must be back calculated from the edge of the IDZ. Provide the ammonia back calculation and provide rationale for assumptions used in the calculation.	Required <input type="checkbox"/>		
2.4.3 Impact Assessment			
2.4.3.1 Identify spatial and temporal boundaries for the effects prediction for each phase of the project.	Required <input type="checkbox"/>		
2.4.3.2 Provide an interaction table that identifies potential interactions between the various project phases and activities and the identified receptors. Describe how the phase or activity has the potential to interact with the receptors.	Required <input type="checkbox"/>		
2.4.3.3 Identify human and biological receptors that have potential to interact with the discharge. It is recommended that a Conceptual Site Model (CSM) is used as a framework to describe the environmental conditions, contaminant pathways and linkages between water, groundwater, and sediment, human and ecological receptors.	Required <input type="checkbox"/>		

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2.4.3.4 Evaluate and describe each contaminant in the discharge, its pathway through the receiving environment food web including linkages between environmental media types (e.g. water, sediment, groundwater), human and ecological receptors and potential for trophic transfer of contaminants (e.g. bioconcentration and/or bioaccumulation).	Required <input type="checkbox"/>		
2.4.3.5 Provide predicted concentrations of effluent parameters at the edge of the IDZ based on dilution and plume dynamics modelling under various effluent discharge scenarios (e.g. minimum, average and maximum flow) and receiving environment conditions (e.g. seasonal variations, average and storm conditions, tide cycles etc.).	Required <input type="checkbox"/>		
2.4.3.6 Compare predicted concentrations to applicable WQG (e.g. provincial or federal) and other relevant scientific studies of sensitivity estimates of biological effects. Include a comparison to Fecal Coliform limits from MWR s.96.	Required <input type="checkbox"/>	MWR Reference: [51, 96, 100(2)(c)]	
2.4.3.7 Provide a detailed discussion of predicted incremental increases in relevant ambient parameters and assess the residual impacts on identified receptors including but not limited to: assessment of acute and chronic toxicity, oxygen depletion, microbiological loading, nutrient loading, thermal effects, biodiversity effects, and bioconcentration or bioaccumulation effects.	Required <input type="checkbox"/>		
2.4.3.8 Establish applicable effluent and receiving environment water quality requirements and demonstrate that the proposed treatment works and discharges from these will not adversely affect public health or the receiving environment and, if necessary, establish additional municipal effluent quality requirements to ensure protection of public health and the environment.	Required <input type="checkbox"/>		
2.4.4 Cumulative Effects			
2.4.4.1 Identify current and future point and non-point sources of the discharge on the receiving environment.	Required <input type="checkbox"/>	(MWR S.19(2)(b))	

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2.4.4.2 Assess the impact of combined discharges on identified receptors including incremental changes in receiving environment water and sediment quality and the implication these impacts may have on identified receptors.	Required <input type="checkbox"/>		
2.4.4.3 Based on the EIS, determine which reliability category applies to the proposed wastewater facility.	Required <input type="checkbox"/>		
3 RECEIVING ENVIRONMENT MONITORING			
3.1 Discharge to Ground:			
3.1.1 Describe the proposed groundwater monitoring program, including the number of monitoring wells to measure the background and receiving groundwater levels and quality, and maps depicting the monitoring sites. The program should summarize the monitoring well installation details, such as geographical coordinates of all wells, installation depth, screen interval and geology, and water levels. The plan should detail the sampling methods, monitoring parameters, frequency and quality controls, and the applicable CSR groundwater standards that will be met at the edge of the IDZ.	Required <input type="checkbox"/>		
3.2 Discharge to Surface Water			
3.2.1 Provide a figure showing the location of the outfall, the IDZ, and all monitoring stations for water, sediment and biota including a reference (control) station.	Required <input type="checkbox"/>		
3.2.2 Locate at least one control sampling station upstream, upgradient or outside the influence of the IDZ.	Required <input type="checkbox"/>		
3.2.3 Provide a table that summarizes monitoring station ID, coordinates, water depth, monitoring parameters and frequencies. Include rationale for the selection of sites, parameters and frequencies.	Required <input type="checkbox"/>		
3.2.4 Describe sampling equipment, sampling methods, field and laboratory QA/QC methods and criteria, methods of data analysis including comparison to applicable water and sediment quality guidelines, reference sites and/or other established receiving environment benchmarks, data interpretation and reporting cycle.	Required <input type="checkbox"/>		
3.2.5 Follow ENV approved methods for sample collection and analysis of the environmental media type (e.g. water, sediment) and the specific parameters (e.g. 5 samples collected in 30 day period for microbiological and nutrient analysis).	Required <input type="checkbox"/>		

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3.2.6 Provide monitoring results in tabular form and compare them to applicable benchmarks and reference sites.	Required <input type="checkbox"/>		
3.2.7 Design post-discharge monitoring to allow for verification of impact assessment predictions, ensure compliance with MWR requirements and monitor trends.	Required <input type="checkbox"/>	MWR Reference: [20, 51]	
4 MANAGEMENT PLANS			
4.1 Operating Plan:	Required <input type="checkbox"/>	MWR Reference: [19; 20; 23; 53-60; 62; 63-67; 102]	
4.1.1 Describe the proper operation, maintenance and monitoring of the wastewater facility, including lift stations.	Required <input type="checkbox"/>		
4.1.2 Include outfall inspections requirements and septic pump out requirements if applicable.	Required <input type="checkbox"/>		
4.1.3 Include a detailed description of the monitoring program for the discharge and the receiving environment including monitoring schedule, methods and data analysis, quality controls, and reporting requirements.	Required <input type="checkbox"/>		
4.1.4 Also provide response actions in the event of effluent quality or quantity exceedances and toxicity failures (if applicable).	Required <input type="checkbox"/>		
4.2 Commissioning Plan:	Required <input type="checkbox"/>	MWR Reference: [24]	
4.2.1 Include the operational procedures required to commission the wastewater facility and the monitoring required to demonstrate that no adverse environmental impacts will result from commissioning.	Required <input type="checkbox"/>		
4.3 Construction Environmental Protection Plan:	Required <input type="checkbox"/>	MWR Reference: [19]	
4.3.1 Contractor's plan to enact recommendations from the Construction Environmental Impact Study.	Required <input type="checkbox"/>		
4.4 Contingency Plan:	Required <input type="checkbox"/>		
4.4.1 Describe the emergency procedures to be followed if the wastewater facility or lift stations experience disruption including when to notify the health officer and when to report a spill.	Required <input type="checkbox"/>		
4.4.2 If reclaimed water is used, procedures for immediate diversion of the effluent to the alternate method of disposal or storage if effluent quality requirements are not met and conditions under which the reclaimed water can be redirected back to the reclaimed water use.	Required <input type="checkbox"/>		

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4.5 Irrigation Plan:	Required <input type="checkbox"/>	MWR Reference: [109, 111]	
4.5.1 Describe the appropriate use of reclaimed water for irrigation including time of use, method of distribution, maximum application rate, growing season for crops and vegetation, harvesting/grazing/processing restrictions and site-specific nutrient loading and metal limits.	Required <input type="checkbox"/>		
4.6 Closure Plan:	Required <input type="checkbox"/>		
4.6.1 In the case of a temporary treatment system, describe the procedures for decommissioning the system when it is no longer required.	Required <input type="checkbox"/>		
4.7 Inflow and Infiltration Reduction Plan:	Required <input type="checkbox"/>	MWR Reference: [44]	
4.7.1 If inflow and infiltration occurs such that the maximum average daily flow exceeds 2 times the ADWF at the treatment plant during a storm or snowmelt events with a less than 5-year return period, develop and implement, as part of a LWMP or a study, measures to reduce inflow and infiltration.	Required <input type="checkbox"/>		
4.8 Overflow Elimination Plan:	Required <input type="checkbox"/>	MWR Reference: [21, 42]	
4.8.1 If overflows occur during storm or snowmelt events with a less than 5-year return period, develop and implement, as part of a LWMP or a study, measures to eventually eliminate overflows.	Required <input type="checkbox"/>		
4.9 Discharge Monitoring Plan Provide a discharge monitoring plan that describes how effluent quality and quantity will be monitored evaluated and reported in accordance with the MWR requirements. Include:	Required <input type="checkbox"/>	MWR Reference: [51-60, 66, 67, 94, 95, 96, 97, 103]	
4.9.1 Discharge monitoring locations, parameters to be monitored and frequency	Required <input type="checkbox"/>		
4.9.2 Sampling methods, equipment, quality control and quality assurance methods	Required <input type="checkbox"/>		
4.9.3 Applicable effluent quality requirements	Required <input type="checkbox"/>	MWR Reference: (S. 94)	
4.9.4 Confirm if toxicity monitoring requirements apply to the municipal effluent discharge. If so, provide a sampling plan to monitor effluent toxicity as per MWR S. 58 to 60.	Required <input type="checkbox"/>	MWR Reference (S. 58 to 60)	
4.9.5 Methods of evaluating and reporting effluent quality and quantity	Required <input type="checkbox"/>	MWR Reference: [55, 66, 67]	

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5 MISCELLANEOUS REQUIREMENTS			
5.1 Substitutions	Required <input type="checkbox"/>	MWR Reference: [8, 9]	
5.2 Authorizations	Required <input type="checkbox"/>	MWR Reference: [2, 82, 84, 94(3), 106, 110(2), 114]	
5.3 Security, Capital Replacement Funds and Assurance Plans	Required <input type="checkbox"/>	MWR Reference: [27-31]	

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Guidance Documents:

1. [Municipal Wastewater Regulation](#)
2. [Environmental Impact Study Guideline - A Companion Document to the Municipal Sewage Regulation](#)
3. [Guidance on Applications for Permits Under the Environmental Management Act – Technical Assessment, BC Ministry of Environment, September 10, 2010](#)
4. [BC EAO \(2013\) Guideline for the Selection of Valued Components and Assessment of Potential Effects.](#)
5. [Approved Water Quality Guidelines](#)
6. [Contaminated Sites Regulation Numerical Water Standards](#)
7. [Water and Air Baseline Monitoring Guidance Document for Mine Proponents and Operators, BC Ministry of Environment, October 9, 2012](#)
8. [British Columbia Field Sampling Manual for Continuous Monitoring and the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples, BC Ministry of Water, Land and Air Protection, 2013](#)
9. [BC Environmental Laboratory Manual](#)

1

1 http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/87_2012

<https://www2.gov.bc.ca/assets/gov/environment/waste-management/sewage/eisguidelinedec2000.pdf>

<https://www2.gov.bc.ca/gov/content/environment/research-monitoring-reporting/monitoring/laboratory-standards-quality-assurance/bc-field-sampling-manual>

<https://www2.gov.bc.ca/assets/gov/environment/waste-management/waste-discharge-authorization/guides/assessment.pdf>

<https://www2.gov.bc.ca/assets/gov/environment/natural-resource-stewardship/environmental-assessments/guidance-documents/eao-guidance-selection-of-valued-components.pdf>

<https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/water-quality/water-quality-guidelines/approved-water-quality-guidelines>

http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/375_96_08#Schedule3.2

https://www2.gov.bc.ca/assets/gov/environment/waste-management/industrial-waste/industrial-waste/water_air_baseline_monitoring.pdf

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