

Instructions: All applicants must complete items 1-11. Complete sections 12-17 as applicable. This form along with the Fee Schedule and drawings must be sent to the appropriate regional office. For more direction on the regulatory review process, refer to Section 1 of the *Guidelines for the Design, Construction and Operation of Water and Sewerage Systems*.

Notice: Please be advised that, in accordance with Government's Proactive Disclosure Initiative, your permit will be posted online subject to any exceptions to disclosure provided under the Access to Information and Protection of Privacy Act, 2015.

A. General

As required under Sections 36, 37 and/or 48 of the *Water Resources Act*, SNL 2002, cW-4.01, the undersigned as owner or agent do hereby apply for your permission for the construction and installation of:

1. _____
2. Name & address of proponent (owner) including contact person: _____

3. Email address of proponent (owner): _____
4. Location of project: _____
5. Project description: _____
6. Predesign report: Year: _____ Author: _____
7. Total service population: To date: _____ This project: _____ Future: _____
8. Status of units for servicing:

Type	No. to date	This project	Future
House	_____	_____	_____
School	_____	_____	_____
Medical Institution	_____	_____	_____
Industrial	_____	_____	_____
Other (specify)	_____	_____	_____

Number of units for water service only: _____ **Sanitary survey conducted:** _____

9. Permit Fee Submitted: \$ _____ Cheque #: _____
10. Date: _____ Signature: _____
(If signed by an agent, attach written authorization duly executed by owner)
11. Email address of Engineering Consultant (agent): _____

B. Water System

12. Details of Water Source and Distribution System

Source: _____

Available yield: _____ (m³/day) Source Reservoir Storage: _____ (m³)

Type (gravity or pumped): _____

Bacteriological condition of source: _____ Testing results submitted: _____

Chemical/physical water quality of source: _____ Testing results submitted: _____

Treatment proposed: _____ (Complete Section 11)

Type of disinfection proposed: _____ Contact time provided: _____ (min.)

Future flows: estimated _____ (m³/day) Present demand: estimated or metered (circle) _____ (m³/day)

Distribution system storage proposed (type): _____ Volume: _____ (m³)

Location of tank (Lat/Long): _____

Tank dimensions (w/l/h, h/d): _____ Tank Fill Rate: _____ (L/s)

Tank foundation elevation (m): _____ Max tank water level (m): _____ Min tank water level (m): _____

Expected tank residence time: _____ Tank mixing system: _____ Chlorination booster: _____

Estimated line pressure: _____ (kPa) Fire flows proposed: _____ Hydrants for this project: _____

Noted problems: _____

13. Water Treatment Plants:

Treatment Objective: _____

Treatment process proposed (e.g. conventional, membrane, etc.): _____

Plant capacity: _____ (m³/day) Maximum daily demand: _____ (m³) Design period: _____ (yrs) Storage: _____ (m³)

Pretreatment: _____

Process description: _____

Disinfection: Chlorination UV Other _____

Corrosion control proposed: Soda ash Lime Soda ash/lime combination Other: _____

Estimated sludge production: _____ (m³/year) Sludge disposal: _____

Testing facilities at plant: _____ Sanitary facilities: _____

Backflow prevention device(s) proposed: _____

Comments/other details: _____

C. Wastewater System

14. Sanitary Sewers:

Sewage characteristics:	Domestic	Schools	Institutional	Industrial	Other
% of total	_____	_____	_____	_____	_____
BOD ₅ (mg/l)	_____	_____	_____	_____	_____
TSS (mg/l)	_____	_____	_____	_____	_____

Technical study completed (if yes, study name and date): _____

Proposed sewer flows: _____ (l/s) Capacity of receiving sewer _____ (l/s) Condition of receiving sewer: _____

Storm water problems: _____

Location of new outfall (Lat/Long) _____

Length of outfall from last manhole: _____ (m) Depth of water cover over outfall pipe at LNT: _____ (m)

Serviced area: _____ (Ha) Total flow: _____ (m³/day)

Outfall area description: (pond/river/harbour/ocean, dispersion, dilution, tidal action, prevailing winds, etc.)

Existing or potential problems (shoreline impacts, fisheries impacts, damaged outfall, etc.)

15. Sewage Lift Stations Number: _____ Type (wet/dry/suction lift) _____

Capacity of each (l/s) _____ Estimated load on each (l/s) _____

Location of new or upgraded lift station (Lat/Long): _____

Is there an overflow on the new or upgraded lift station (yes/no): _____

Provisions for electrical/mechanical failure _____

16. Wastewater Treatment Plants:

Treatment process proposed (e.g. activated sludge, fixed film, etc.): _____

Plant capacity: Hydraulic _____ (m³/day) Organic BOD₅ _____ (kg/day) TSS _____ (kg/day)

Plant loading: Hydraulic: Average _____ (m³/day) Peak: _____ (m³/day)

Organic: _____ (kg/day BOD₅) Industrial loading: _____ (kg/day BOD₅) TSS _____ (kg/day)

Included components (check):

Pre/Primary: Bar screen Grit chamber Comminutor Microscreening Primary clarifier

Secondary: Extended aeration Contact stabilization Sequencing batch reactor Aerated lagoon
Wetland Rotating biological contactor Other _____

Disinfection: Chlorination/dechlorination UV Other _____

Estimated sludge production _____ (m³/year) Sludge digestion: Aerobic Anaerobic None

Sludge disposal _____

Provision for winter operation (enclosure, etc.) _____

Testing facilities at plant _____ Sanitary facilities _____

Potable water provided: Yes No If yes, backflow prevention device(s) proposed: _____

Proximity to residential/recreational areas: _____

Discharge location & area description: (pond/river/harbour/ocean, dispersion, dilution, tidal action, prevailing winds, etc.)

Existing and potential problems (shoreline impacts, fisheries impacts, damaged outfall, etc.)

The application must be forwarded to the appropriate personnel within the Department of Environment & Climate Change accompanied by the appropriate fee.

The completed application must be submitted to:

Department of Environment & Climate Change
Water Resources Management Division - Community Water & Wastewater Group

For applications including Gambo and east, please contact:

Eastern Region – Genny DeCoste

P.O. Box 8700, St. John's, NL, A1B 4J6
Tel: (709)729-2558
Email: GennyDeCoste@gov.nl.ca

For applications west of Gambo including Labrador, please contact:

Western Region – Chris Blanchard

P.O. Box 2006, Corner Brook, NL, A2H 6J8
Tel: (709) 637-2542
Email: cblancha@gov.nl.ca

Please ensure that all application emails are copied to the following:

Victoria Pelley, P.Eng.

P.O. Box 8700, St. John's, NL, A1B 4J6
Tel: (709) 729-7634
Email: victoriapolley@gov.nl.ca

If additional details are needed on the required information, please contact:

Victoria Pelley, P. Eng. at (709) 729-7634 or victoriapolley@gov.nl.ca.