



Government of Newfoundland and Labrador  
 Department of Environment and Conservation  
 Water Resources Management Division

### Checklist of Community Information for DBP Management

	Data	Qualifier
Community		
LPG Number		
Source Name		
Water Supply Number		
Population		
Watershed size- surface water source		km2
Reservoir contains flooded vegetation		Yes/No, area flooded
Length of intake into water		m
Depth of intake below water surface		m
Distance from nearest edge of surface water source to ocean		m
Direction of ocean to surface water source		N, S, E, W
Surface water and groundwater mixed in distribution system		Yes/No
Average DOC in source water		mg/L
Average Bromide in source water		mg/L
Average pH of source water		
Average iron in source water		mg/L
Average manganese in source water		mg/L
Pumped or gravity distribution system		pumped, gravity
Amount of Chlorine gas used per day		kg, lb
% solution of liquid chlorine		%
Volume of liquid chlorine tank		L
Volume of liquid chlorine to water used to fill tank		L:L
Frequency chlorine tank refilled		days
Chlorine dose		mg/L
Max chlorine residual at 1st user		mg/L
Min chlorine residual at 1st user		mg/L
Max chlorine residual at last user		mg/L
Min chlorine residual at last user		mg/L
Max chlorine residual after chlorine booster		mg/L
Min chlorine residual after chlorine booster		mg/L
Point of application of chlorine in WTP		start, middle, end
Increase in total chlorine use with a chlorine booster		Yes/No
Bulk chlorine demand		1/d
Wall chlorine demand		m/d
Chlorination control system		manual, flow proportional, residual analyser
Length of longest run of pipe in distribution system- intake to end		km
Total length of pipe in distribution system		km
Number of dead ends in distribution system		
Distance of main chlorination system to first point of use		m
Contact time at peak flow		min
CT value at 1st user		



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Meter on distribution system		Yes/No
Velocity range in mains		m/s
Pipe size range		mm
Average daily flow		L/s, m3/d, Gal/d
Max peak flow observed		L/s, Gal/s
Retention time in network		hours
Pipe material		DI, CI, PVC, HDPE
Year oldest pipe on distribution system installed		
Water treatment plant is undersized		Yes/No
Large occational demand on system		Fishplant, Tourism, Golf course, No
Non-residential demand (fishplant)		m3/d
Per capita demand		L/p/d
Maximum water pressure in distribution system		m
Minimum water pressure in distribution system		m
Number of fire hydrants on distribution system		
Pump operation		constant, with demand, tank levels
Type of tank		standpipe, elevated, in ground, on ground
Tank location		beginning, middle, end
Tank volume		m3
Tank dimensions		L-W-H, D-H, D
Maximum water height in tank		m
Water level variation in tank		m
Time to fill tank: Time to empty tank		hours: hours
Retention time in tank		hours
Inlet/outlet in tank the same		Yes/No
Location of inlet/outlet- height		bottom, middle, top
Length and height between inlet/outlet		m
Percent inactive volume in tank		%
Percent dead volume in tank		%
Percent active volume in tank		%
Frequency tank is cleaned		times/yr, every x yrs
Does all water spend time in storage tank		Yes/No
Level of operator certification		I, II, III, IV
Frequency distribution system is flushed		