

## Water and Wastewater Technician POA (2011) Subtask to Unit Comparison

	POA Subtask	Manitoba Unit(s)
Task	1 – Monitors control systems.	
1.01	Monitors electrical systems.	A1 Trade Safety Awareness. (A & C Board Standard) A4 Trade Science And Trade Electricity
1.02	Utilizes systems such as Supervisory Control and Data Acquisition (SCADA), Program Logic Controller (PLC),	A5 Computer Science Applications B1 Introduction to Process Control
	Distributed Control System (DCS).	
1.03	Applies computer knowledge and skills.	A5 Computer Science Applications B1 Introduction to Process Control
1.04	Monitors generators and back-systems.	A5 Computer Science Applications B1 Introduction to Process Control
1.05	Ability to perform tests on water and wastewater.	A4 Trade Science And Trade Electricity C3 Water Treatment Laboratory Analysis I D5 Wastewater Treatment Laboratory Analysis I
Tack	│ 2 – Applies, follows and conforms with le	paiclation regulation and by-laws
2.01	Complies with water and wastewater legislation, by-laws and codes.	A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard) A3 Orientation II: The Job of Journeywork: Workplace Skills-Coaching & Mentoring(A & C Board Standard)
2.02	Complies with operation license and environment license.	A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard)
Task	3 - Performs record keeping.	
3.01	Records data (e.g. daily, monthly yearly).	A5 Computer Science Applications
3.02	Generates reports.	A5 Computer Science Applications
Table		
	4 Communicates with internal nersonn	٥١
4.01	4 – Communicates with internal personn Accesses computerized management maintenance system.	el.  A5 Computer Science Applications
4.01	Accesses computerized management maintenance system.  Communicates in accordance with policies and procedures.  5 – Maintains safe workplace.	A5 Computer Science Applications  A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard)
4.01 4.02 <b>Task</b> 5.01	Accesses computerized management maintenance system. Communicates in accordance with policies and procedures.  5 - Maintains safe workplace. Follows provincial safety regulations.	A5 Computer Science Applications  A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard)  A5 Computer Science Applications  A1 Trade Safety Awareness. (A & C Board Standard)
4.01 4.02 Task 5.01 5.02	Accesses computerized management maintenance system.  Communicates in accordance with policies and procedures.  5 - Maintains safe workplace.  Follows provincial safety regulations.  Follows workplace safety policies and procedures.	A5 Computer Science Applications  A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard) A5 Computer Science Applications  A1 Trade Safety Awareness. (A & C Board Standard) A1 Trade Safety Awareness. (A & C Board Standard)
4.01 4.02 <b>Task</b> 5.01	Accesses computerized management maintenance system. Communicates in accordance with policies and procedures.  5 - Maintains safe workplace. Follows provincial safety regulations. Follows workplace safety policies and	A5 Computer Science Applications  A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard)  A5 Computer Science Applications  A1 Trade Safety Awareness. (A & C Board Standard)
4.01 4.02 <b>Task</b> 5.01 5.02 5.03	Accesses computerized management maintenance system.  Communicates in accordance with policies and procedures.  5 - Maintains safe workplace.  Follows provincial safety regulations.  Follows workplace safety policies and procedures.	A5 Computer Science Applications  A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard) A5 Computer Science Applications  A1 Trade Safety Awareness. (A & C Board Standard) A1 Trade Safety Awareness. (A & C Board Standard)
4.01 4.02 <b>Task</b> 5.01 5.02 5.03	Accesses computerized management maintenance system. Communicates in accordance with policies and procedures.  5 - Maintains safe workplace. Follows provincial safety regulations. Follows workplace safety policies and procedures. Follows standard operating procedures.	A5 Computer Science Applications  A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard) A5 Computer Science Applications  A1 Trade Safety Awareness. (A & C Board Standard) A1 Trade Safety Awareness. (A & C Board Standard)
4.01 4.02 Task 5.01 5.02 5.03 Task	Accesses computerized management maintenance system. Communicates in accordance with policies and procedures.  5 - Maintains safe workplace. Follows provincial safety regulations. Follows workplace safety policies and procedures. Follows standard operating procedures. 6 - Participates in security protocols.	A5 Computer Science Applications  A2 Orientation I: The Structure & Scope of Water & Wastewater Technician Trade Learning (A & C Board Standard) A5 Computer Science Applications  A1 Trade Safety Awareness. (A & C Board Standard) A1 Trade Safety Awareness. (A & C Board Standard) A1 Trade Safety Awareness. (A & C Board Standard) A1 Trade Safety Awareness. (A & C Board Standard)

	POA Subtask	Manitoba Unit(s)
6.04	Maintains security systems.	A5 Computer Science Applications
6.05	Operates security systems.	A5 Computer Science Applications
6.06	Troubleshoots security systems.	A5 Computer Science Applications
	– Monitors intake facility.	
7.01	Operates intake facility.	C1 Water Treatment I
		C2 Water Treatment I sharetony Analysis I
		C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II
7.02	Maintains intake facility.	C1 Water Treatment I
7.02	Maintains intake facility.	C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
	- Receives raw water.	T
8.01	Checks influent flow.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
8.02	Checks reservoir level.	C4 Water Treatment Laboratory Analysis II C1 Water Treatment I
0.02	Ondoks reservoir level.	C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
		C6 Water Distribution II
8.03	Adjusts influent flow.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
Task 9	- Sampling and testing of water.	
9.01	Collects water samples.	C1 Water Treatment I
	'	C5 Water Distribution I
		C6 Water Distribution II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
9.02	Performs laboratory tests.	C1 Water Treatment I
9.03	Adjusts water treatment process.	C1 Water Treatment I
Task 1	0 – Maintains pumps.	
10.01	Operates pumps.	B3 Hydraulics & Blueprint Reading
10.02		B3 Hydraulics & Blueprint Reading
10.03	Troubleshoots pumps.	B3 Hydraulics & Blueprint Reading
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	1 – Operates treatment systems.	C1 Water Treatment I
11.01	Operates chemical handling systems.	C1 Water Treatment I
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
		C6 Water Distribution II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.02	Maintains chemical handling systems.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II C5 Water Distribution I
		C6 Water Distribution II
	1	1 00 ator Brothodion II

	POA Subtask	Manitoba Unit(s)
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.03	Troubleshoots chemical handling	C1 Water Treatment I
11.03	systems.	C2 Water Treatment II
	Systems.	C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
		C6 Water Distribution II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.04	Operates clarification system.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		D3 Wastewater Treatment I
11.05	Maintaina alavification avatam	D4 Wastewater Treatment II
11.05	Maintains clarification system.	C1 Water Treatment I C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.06	Troubleshoots clarification system.	C1 Water Treatment I
	•	C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.07	Operates sedimentation system.	C1 Water Treatment I
		C2 Water Treatment II C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.08	Maintains sedimentation system	C1 Water Treatment I
	•	C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		D3 Wastewater Treatment I
44.00	<del>-</del> 11 1	D4 Wastewater Treatment II
11.09	Troubleshoots sedimentation system	C1 Water Treatment I
		C2 Water Treatment II C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.10	Monitors coagulation process.	C1 Water Treatment I
	, , , , , , , , , , , , , , , , , , , ,	C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		D3 Wastewater Treatment I
44		D4 Wastewater Treatment II
11.11	Maintains coagulation process.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II D3 Wastewater Treatment I
		D4 Wastewater Treatment II
11.12	Troubleshoots coagulation process.	C1 Water Treatment I
	Sabissitions obagaianon process.	1 C. Tato. Frommon.

	POA Subtask	Manitoba Unit(s)
		C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II D3 Wastewater Treatment I
11.13	Operates softening system.	D4 Wastewater Treatment II C1 Water Treatment I C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II D3 Wastewater Treatment I D4 Wastewater Treatment II
11.14	Maintains softening system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II D3 Wastewater Treatment I D4 Wastewater Treatment II
11.15	Troubleshoots softening system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II
11.16	Operates a filtration system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II
11.17	Maintains filtration system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II
11.18	Troubleshoots filtration system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II
11.19	Operates disinfection system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II C5 Water Distribution I C6 Water Distribution II D3 Wastewater Treatment I D4 Wastewater Treatment II
11.20	Maintains disinfection system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II C5 Water Distribution I C6 Water Distribution II D3 Wastewater Treatment I D4 Wastewater Treatment II
11.21	Troubleshoots disinfection system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II C5 Water Distribution I C6 Water Distribution II D3 Wastewater Treatment I D4 Wastewater Treatment II
11.22	Operates recarbonation system.	C1 Water Treatment I C2 Water Treatment II C3 Water Treatment Laboratory Analysis I

POA Subtask		Manitoba Unit(s)
		C4 Water Treatment Laboratory Analysis II
11.23	Maintains recarbonation system.	C1 Water Treatment I
	-	C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
11.24	Troubleshoots recarbonation system.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
11.25	Operates solid handling system.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
11.26	Maintaine calid handling aveter	C4 Water Treatment Laboratory Analysis II C1 Water Treatment I
11.20	Maintains solid handling system.	C1 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
11.27	Troubleshoots solid handling system.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
T 4	O. Bassina trade lander	
	2 – Receives treated water.	C1 Water Treatment I
12.01	Performs point sampling.	C1 Water Treatment I
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
		C6 Water Distribution II
12.02	Collects samples for bacteriological	C1 Water Treatment I
12.02	analysis.	C2 Water Treatment II
	,	C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
		C6 Water Distribution II
12.03	Performs chlorines residual tests.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
		C6 Water Distribution II
12.04	Performs turbidity tests.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
		C6 Water Distribution II
	3 – Stores treated water.	
13.01	Operates storage facilities.	C1 Water Treatment I
		C2 Water Treatment II
		C3 Water Treatment Laboratory Analysis I
		C4 Water Treatment Laboratory Analysis II
		C5 Water Distribution I
12.00	Maintaina ataraga facilitis	C6 Water Distribution II
13.02	Maintains storage facilities.	C1 Water Treatment I

	POA Subtask	Manitoba Unit(s)
		C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II C5 Water Distribution I C6 Water Distribution II
13.03	Troubleshoots storage facilities.	C1 Water Treatment II C2 Water Treatment II C3 Water Treatment Laboratory Analysis I C4 Water Treatment Laboratory Analysis II C5 Water Distribution I C6 Water Distribution II
	4 – Distributes treated water.	DO I hadronilos 9 Dinopriot Decidios
14.01	Operates distribution pumps and/or water tower.	B3 Hydraulics & Blueprint Reading
14.02	Maintains distribution pumps and /or water tower.	B3 Hydraulics & Blueprint Reading
14.03	Troubleshoots distribution pumps and/or water tower.	B3 Hydraulics & Blueprint Reading
Took 4	5 – Reads distribution flow meters.	
15.01	Reads meter.	C4 Water Treatment Laboratory Analysis II C6 Water Distribution II D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment II
15.02	Interprets results.	C4 Water Treatment Laboratory Analysis II C6 Water Distribution II D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment II
<b>Task 1</b> 16.01	<b>6 - Operates pipeline system.</b> Operates valves.	C5 Water Distribution I
	Operates valves.	D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment I
16.02	Maintains valves.	C5 Water Distribution I D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment
16.03	Maintains fire protection flows.	C5 Water Distribution I D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment II
16.04	Operates hydrants.	C5 Water Distribution I D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment II
16.05	Maintains hydrants.	C5 Water Distribution I D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II D3 Wastewater Treatment I

Task 17 - Maintains pipeline system.		POA Subtask	Manitoba Unit(s)
17.01   Swabbing pipeline (a.k.a. pigging)			
17.01   Swabbing pipeline (a.k.a. pigging)			
17.02			
17.02   Flushing problems.	17.01	Swabbing pipeline (a.k.a. pigging)	
Da Wastewater Treatment I   DA Wastewater Treatment I   DA Wastewater Treatment I   DA Wastewater I   DA Wastewater I   DA Wastewater   DA W			
D4 Wastewater Treatment II			
17.02   Flushing problems.			
D1 Wastewater Collection Systems   D2 Wastewater Treatment   D3 Wastewater Treatment   D4 Wastewater Treatment   D5 Wastewater Collection Systems   D2 Wastewater Collection Systems   D2 Wastewater Collection Systems   D2 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D6 Wastewater Treatment   D6 Wastewater Collection Systems   D2 Wastewater Collection Systems   D2 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Treatment   D6 Wastewater Treatment   D6 Wastewater Treatment   D7 Wastewater Treatment   D8 Wastewater Wastewater Watewater Wastewater Was	17.00	Cluabing problems	
D2 Wastewater Collection Systems II D3 Wastewater Treatment II D4 Wastewater Treatment II D4 Wastewater Treatment II D5 Wastewater Treatment II D6 Wastewater Treatment II D7 Wastewater Collection Systems II D8 Wastewater Collection Systems II D8 Wastewater Collection Systems II D8 Wastewater Treatment II D8 Wastewater Treatment II D8 Wastewater Treatment II D9 Wastewater Collection Systems II D8 Wastewater Treatment II D8 Wastewater Collection Systems II D8 Wastewater Treatment II D9 Wastewater Vollection Systems II D9 Wastewater Collection Systems	17.02	Flushing problems.	
D3 Wastewater Treatment I			
D4 Wastewater Treatment II			
17.03   Maintains meters.			
D1 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Collection Systems   D2 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Treatment   D5 Wastewater Treatment   D6 Wastewater Treatment   D7 Wastewater Treatment   D8 Wastewater Collection Systems	17 03	Maintains meters	
D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment II D4 Wastewater Treatment II D4 Wastewater Treatment II D5 Wastewater Collection Systems I D6 Wastewater Collection Systems I D7 Wastewater Collection Systems II D8 Wastewater Treatment II D8 Wastewater Treatment II D8 Wastewater Treatment II D8 Wastewater Treatment II D8 Wastewater Collection Systems II D8 Wastewater Treatment II D8 Wastewater Wastewater Visit D8 Wastewater D8 Wastewater D8 Wastewater Visit D8 Wastewater Visit D8 Wastewater Visit D8 Wastewater Collection Systems II D8	17.00	Waintains meters.	
D3 Wastewater Treatment I   D4 Wastewater Treatment II   D4 Wastewater Treatment II   D5 Water Distribution I   D6 Wastewater Treatment II   D7 Wastewater Treatment II   D8 Wastewater D8 Wastewater IT   D8 Wastewater V8 Wastewater V8 Wastewater D8 Wastewater V8 Wastewat			
Installs cathodic protection system.   D4 Wastewater Treatment II			
Installs cathodic protection system.   C5 Water Distribution   D1 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Collection Systems   D2 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Collection Systems   D4 Wastewater Collection Systems   D4 Wastewater Collection Systems   D5 Wastewater Collection Systems   D6 Wastewater Collection Systems   D8 Wastewater Treatment   D8 Wastewater Collection Systems   D8 Wastewater Colle			
D1 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Collection Systems   D2 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Treatment   D5 Wastewater Treatment   D6 Wastewater Treatment   D7 Wastewater Treatment   D8 Wastewater Value   D8 Wastewater   D8 Wastewater Value   D8 Wastewater   D8 Wastewater Value   D8 Wastewater   D8 Wastewater   D8 Wastewater Value   D8 Wastewater   D	17.04	Installs cathodic protection system.	
D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment II D4 Wastewater Treatment II D5 Wastewater Collection Systems II D6 Wastewater Collection Systems II D7 Wastewater Treatment II D7 Wastewater Collection Systems II D7 Wastewater Collection Syst			
D3 Wastewater Treatment I   D4 Wastewater Treatment I   D4 Wastewater Treatment I   D4 Wastewater Collection Systems I   D2 Wastewater Collection Systems I   D3 Wastewater Collection Systems I   D3 Wastewater Treatment I   D4 Wastewater Treatment I   D6 Wastewater Treatment I   D7 Wastewater Treatment I   D7 Wastewater Treatment I   D8 Wastewater Collection Systems I   D			
17.05   Performs leak detection.   C5 Water Distribution   D1 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D5 Wastewater Treatment   D6 Wastewater Treatment   D6 Wastewater Treatment   D7 Wastewater Treatment   D8 Wastewater Collection Systems   D8 Wastewater			
17.05   Performs leak detection.   C5 Water Distribution   D1 Wastewater Collection Systems   D2 Wastewater Collection Systems   D3 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D4 Wastewater Treatment   D5 Wastewater Treatment   D6 Wastewater Treatment   D6 Wastewater Treatment   D7 Wastewater Treatment   D8 Wastewater Collection Systems   D8 Wastewater			D4 Wastewater Treatment II
D2 Wastewater Collection Systems II D3 Wastewater Treatment I D4 Wastewater Treatment II D5 Wastewater Treatment II D7 Wastewater Treatment II D7 Wastewater Treatment II D7 Wastewater Collection Systems II D2 Wastewat	17.05	Performs leak detection.	
D3 Wastewater Treatment   D4 Wastewater Treatment   D6 Wastewater Treatment   D7 Wastewater Collection Systems   D2 Wastewater Collection Systems   D4 Wastewater Collection Systems			
Task 18 - Repairs pipeline system.  18.01 Repairs leaks.			D3 Wastewater Treatment I
18.01   Repairs leaks.   C5 Water Distribution			D4 Wastewater Treatment II
18.01   Repairs leaks.   C5 Water Distribution			
18.02   Thaws frozen line.   C5 Water Distribution   18.03   Replaces pipe.   C5 Water Distribution   18.04   Replaces curbstops.   C5 Water Distribution   18.04   Replaces curbstops.   C5 Water Distribution   18.04   Replaces curbstops.   C5 Water Distribution   18.04   Installs new distribution systems.   19.01   Installs new distribution piping and valves.   C5 Water Distribution   18.02   Installs service lines.   C5 Water Distribution   18.03   C5 Water Distribution   18.04   Installs distribution meters.   C5 Water Distribution   18.04   Installs distribution meters.   C5 Water Distribution   18.04   Installs distribution meters.   C5 Water Distribution   18.04   Installs distribution   18.04   Installs distribution   18.04   Installs distribution   18.05   Installs distribution   Inspects pipeline systems.   C5 Water Distribution   18.05   Installs distribution   18.05   Installs distribution   Inspects pipeline systems.   C5 Water Distribution   18.05   Installs distribution   Inspects pipeline systems   Inspects			
18.03   Replaces pipe.   C5 Water Distribution			
Task 19 - Installs new distribution systems.   C5 Water Distribution			
Task 19 - Installs new distribution systems.			
19.01   Installs new distribution piping and valves.   C5 Water Distribution I	18.04	Replaces curbstops.	C5 Water Distribution I
19.01   Installs new distribution piping and valves.   C5 Water Distribution I	T1 4	O bestalla mana Patribut'an accitoma	
Valves.   19.02   Installs service lines.   C5 Water Distribution I			OF Water Black Co. I
Task 20 – Installs distribution meters.  20.01 Maintains meters.  C5 Water Distribution I  20.02 Troubleshoots meters.  C5 Water Distribution I  20.03 Repairs meters.  C5 Water Distribution I  20.04 Flushing service line connections.  C5 Water Distribution I  Task 21 – Prevents cross connections.  21.01 Inspects pipeline systems.  21.02 Installs backflow prevention devices.  C5 Water Distribution I  21.03 Maintains backflow prevention devices.  C5 Water Distribution I *Requires certification through plumbing trade  C5 Water Distribution I *Requires certification through plumbing trade  C5 Water Distribution I *Requires certification through plumbing trade  C5 Water Distribution I *Requires certification through plumbing trade  D5 Wastewater Collection Systems I  D6 Wastewater Collection Systems I  D7 Wastewater Collection Systems I  D8 Wastewater Collection Systems I  D9 Wastewater Collection Systems II		valves.	
20.01 Maintains meters.  20.02 Troubleshoots meters.  20.03 Repairs meters.  20.04 Flushing service line connections.  C5 Water Distribution I  C6 Water Distribution I  C7 Water Distribution I  C8 Water Distribution I  C9	19.02	Installs service lines.	C5 Water Distribution I
20.01 Maintains meters.  20.02 Troubleshoots meters.  20.03 Repairs meters.  20.04 Flushing service line connections.  C5 Water Distribution I  C6 Water Distribution I  C7 Water Distribution I  C8 Water Distribution I  C9	T	O Installa distribution of	
20.02   Troubleshoots meters.   C5 Water Distribution			CE Water Distribution I
20.03   Repairs meters.   C5 Water Distribution			
Task 21 - Prevents cross connections.   C5 Water Distribution			
Task 21 – Prevents cross connections.  21.01 Inspects pipeline systems. C5 Water Distribution I *Requires certification through plumbing trade   21.02 Installs backflow prevention devices. C5 Water Distribution I *Requires certification through plumbing trade   21.03 Maintains backflow prevention devices. C5 Water Distribution I *Requires certification through plumbing trade    Task 22 – Operates wastewater collection system.   22.01 Collects wastewater with gravity system. D1 Wastewater Collection Systems I   22.02 Operates lift stations. D1 Wastewater Collection Systems I   22.03 Maintains lift stations. D1 Wastewater Collection Systems I   22.04 Troubleshoots lift stations. D1 Wastewater Collection Systems I   22.04 D2 Wastewater Collection Systems I   22.05 D2 Wastewater Collection Systems I   22.06 D3 Wastewater Collection Systems I   22.07 D2 Wastewater Collection Systems I   22.08 D2 Wastewater Collection Systems I   22.09 D2 Wastewater Collection Systems I   23.00 D2 Wastewater Collection Systems I   24.00 D2 Wastewater Collection Systems I   25.00 D2 Wastewater Collection Systems I   25.00 D2 Wastewater Collection Systems I   25.00 D2 Wastewater Collection Systems I   26.00 D2 Wastewater Collection Systems I   26.00 D2 Wastewater Collection Systems I   26.00 D2 Wastewater Collection Systems I   27.00 D2 Wastewater Collection Sy			
21.01   Inspects pipeline systems.   C5 Water Distribution I	∠0.04	riushing service line connections.	Co vvaler distribution i
21.01   Inspects pipeline systems.   C5 Water Distribution I	Task 21 – Prevents cross connections		
21.02   Installs backflow prevention devices.   C5 Water Distribution I *Requires certification through plumbing trade			C5 Water Distribution I
Task 22 - Operates wastewater collection system.			
Task 22 – Operates wastewater collection system.  22.01 Collects wastewater with gravity system.  D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II			
Collects wastewater with gravity system.   D1 Wastewater Collection Systems	21.00	manifest provention devices.	20 Tracer Processarian Troquines continuation unough plumbing trade
Collects wastewater with gravity system.   D1 Wastewater Collection Systems	Task 22 – Operates wastewater collection system.		
System.   D2 Wastewater Collection Systems II			
D2 Wastewater Collection Systems II  D1 Wastewater Collection Systems I  D2 Wastewater Collection Systems I  D2 Wastewater Collection Systems II  D1 Wastewater Collection Systems I  D2 Wastewater Collection Systems I  D2 Wastewater Collection Systems II		system.	
D2 Wastewater Collection Systems II  D1 Wastewater Collection Systems I  D2 Wastewater Collection Systems I  D2 Wastewater Collection Systems II  D1 Wastewater Collection Systems I  D2 Wastewater Collection Systems I  D2 Wastewater Collection Systems II	22.02	Operates lift stations.	D1 Wastewater Collection Systems I
D2 Wastewater Collection Systems II  22.04 Troubleshoots lift stations. D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II			
22.04   Troubleshoots lift stations.   D1 Wastewater Collection Systems I D2 Wastewater Collection Systems II	22.03	Maintains lift stations.	
D2 Wastewater Collection Systems II			
	22.04	Troubleshoots lift stations.	

	POA Subtask	Manitoba Unit(s)
22.05	Operates force main systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
22.06	Maintains force main systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
22.07	Troubleshoots force main systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
22.08	Collects wastewater in low pressure	D1 Wastewater Collection Systems I
	system.	D2 Wastewater Collection Systems II
Tack 2	23 – Maintains wastewater collection sys	stams
23.01	Inspects manholes.	D1 Wastewater Collection Systems I
20.01	mopodo marmoros.	D2 Wastewater Collection Systems II
23.02	Performs flushing and/or sewer jetting.	D1 Wastewater Collection Systems I
	and the second s	D2 Wastewater Collection Systems II
23.03	Performs camera inspections.	D1 Wastewater Collection Systems I
	'	D2 Wastewater Collection Systems II
23.04	Performs root control.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
22.05	Classaharassas	*Requires chemical handling and RUL
23.05	Cleans bar screens.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II D3 Wastewater Treatment I
		D4 Wastewater Treatment II
23.06	Performs smoke testing.	D1 Wastewater Collection Systems I
23.00	*not typical in Canadian municipalities	D2 Wastewater Collection Systems II
	The Copy of the Carlos and the Carlo	D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
23.07	Performs mandrel testing.	D1 Wastewater Collection Systems I
	*not typical in Canadian municipalities	D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
Tools	A Installanavi visataviatar adlastian a	
24.01	<ul> <li>24 – Installs new wastewater collection s</li> <li>Installs new collection piping.</li> </ul>	D1 Wastewater Collection Systems I
27.01	motano now concentri piping.	D2 Wastewater Collection Systems II
		22 Tradionator Composition Cyclemon
24.02	Installs service lines.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
	25 – Receives wastewater.	DA Western stor Orllers' Or to 1
25.01	Monitors wet well levels.	D1 Wastewater Collection Systems I
25.00	Maintaina wat wall lavala	D2 Wastewater Collection Systems II
25.02	Maintains wet well levels.	D1 Wastewater Collection Systems I
25.02	Troubleshoots wet well levels.	D2 Wastewater Collection Systems II
25.03	Troubleshoots wet well levels.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		DT Wasiewater Heatilicittii
Task 2	26 -Sampling and testing of wastewater.	
26.01	Collects wastewater samples.	D1 Wastewater Collection Systems I
<del></del>	<u> </u>	,

	POA Subtask	Manitoba Unit(s)
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
26.02	Performs laboratory tests.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
00.00	A.P.	D4 Wastewater Treatment II
26.03	Adjusts wastewater treatment process.	D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
Task 2	7 – Services pumps.	
27.01	Operates pumps.	B3 Hydraulics & Blueprint Reading
27.02	Maintains pumps.	B3 Hydraulics & Blueprint Reading
27.03	Troubleshoots pumps.	B3 Hydraulics & Blueprint Reading
<b>-</b>		
28.01	8 – Services headworks. Operates headworks.	D2 Hydraulian & Pluantint Bonding
28.02	Adjust for conditions.	B3 Hydraulics & Blueprint Reading B3 Hydraulics & Blueprint Reading
20.02	Adjust for conditions.	B3 Hydraulics & Blueprint Reading
Task 2	9 – Services primary treatment systems	
29.01	Operates primary treatment systems.	D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
29.02	Operates sludge removal systems.	D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
29.03	Maintains primary treatment systems.	D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
29.04	Troubleshoots primary treatment	D3 Wastewater Treatment I
	systems.	D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
Task 3	0 – Services secondary treatment syste	ems.
30.01	Services secondary treatment systems.	D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
30.02	Maintains secondary treatment	D3 Wastewater Treatment I
	systems.	D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
30.03	Troubleshoots secondary treatment	D3 Wastewater Treatment I
	systems.	D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
Task 3	1 – Services tertiary treatment systems	
31.01	Operates tertiary treatment systems.	D1 Wastewater Collection Systems I
	,	D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
	1	
		D4 Wastewater Treatment II

	POA Subtask	Manitoba Unit(s)
		D6 Wastewater Treatment Laboratory Analysis I
31.02	Maintains tertiary treatment systems.	D1 Wastewater Collection Systems I
	,	D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
31.03	Troubleshoots tertiary treatment	D1 Wastewater Collection Systems I
01.00	systems.	D2 Wastewater Collection Systems II
	Systems.	D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
		20 Tradition Tradition 2 and orderly 7 analysis .
	2 – Services residuals handling system	
32.01	Operates residuals handling systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
32.02	Maintains residuals handling systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
32.03	Troubleshoots residuals handling	D1 Wastewater Collection Systems I
	systems.	D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
	3 – Services disinfection systems.	D4 Wastewater Callection Cyatema I
33.01	Operates disinfection systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
00.00		D6 Wastewater Treatment Laboratory Analysis I
33.02	Maintains disinfection systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I
33.03	Troubleshoots disinfection systems.	D1 Wastewater Collection Systems I
		D2 Wastewater Collection Systems II
		D3 Wastewater Treatment I
		D4 Wastewater Treatment II
		D5 Wastewater Treatment Laboratory Analysis I
		D6 Wastewater Treatment Laboratory Analysis I