
February 10, 2026

Email:cao.outlook@sasktel.net; townofoutlook@sasktel.net

Town of Outlook
Box 518
OUTLOOK SK S0L 2N0

Attention Waterworks Owner:

Permit to Operate a Waterworks

Please be advised that the Water Security Agency has hereby issued/alterd the Town of Outlook's Permit to Operate a Waterworks, pursuant to the authority of section 28(1)(h) of *The Environmental Management and Protection Act, 2010*. This permit (No. 00002399-10-00) is attached for your information and review.

This permit expires on 31st day of March 2046. Please ensure that a copy of this permit is provided to the operators and posted in a conspicuous place at the waterworks.

If you have any questions regarding the Permit to Operate a Waterworks or any other related matters, please contact the undersigned at 306-741-5421 or email Andrew.Hickey@wsask.ca.

Sincerely,



Andrew Hickey
Environment Officer
Water Security Agency

Attachment: Permit to Operate a Waterworks



Permit to Operate a Waterworks

Altered pursuant to section 28(1)(h) of *The Environmental Management and Protection Act, 2010*

Page: 1 of 10

Permit No.: 00002399-10-00

ISSUED TO **the Town of Outlook (the permittee)**, the person responsible for a waterworks that is used to provide water intended for human consumption to the Town of Outlook. The permittee shall ensure that the water supplied by this waterworks is safe for human consumption. This waterworks consists of a Class 2 water treatment facility located at 512 Railway Avenue (Lot 14-17, Block A, Plan G39) and a Class 2 water distribution facility, located in the Town of Outlook, in the Province of Saskatchewan.

PURSUANT to section 28(1)(h) of *The Environmental Management and Protection Act, 2010*, the Permit to Operate a Waterworks No. 00002399-09-01 issued to the permittee on 1st day of February 2025, whose waterworks is located in the Town of Outlook and at the water treatment works located at 512 Railway Avenue (Lot 14-17, Block A, Plan G39), in the Province of Saskatchewan, is hereby altered and amended, subject to the terms and conditions attached to this permit.

This permit takes effect on the **31st day of March 2026**.

This permit expires on the **31st day of March 2046**, unless cancelled or suspended before that date.

ISSUED

A handwritten signature in black ink, appearing to read "P. J. Hick", written over a horizontal line.

*

Environment Officer
Water Security Agency

* This digital signature affixed to the permit is legally binding and is considered a sufficient electronic signature as required under *The Electronic Information and Documents Act, 2000*. The original copy is retained by the Water Security Agency and shall be considered the official record.

Terms and Conditions

Section One: Definitions

- 1.1 All words and phrases have the same definitions as set out in *The Environmental Management and Protection Act, 2010*, or *The Waterworks and Sewage Works Regulations*, as the case may be.
- 1.2 In this permit:
- (a) “Act” means *The Environmental Management and Protection Act, 2010*;
 - (b) “Regulations” means *The Waterworks and Sewage Works Regulations*;
 - (c) “Water Security Agency” means the delegated ministerial authority pursuant to the Act and the *Regulations*;
 - (d) “Environment officer” has the same meaning as defined in the Act;
 - (e) “Accredited laboratory” means a laboratory accredited pursuant to the requirements of the Canadian Association for Laboratory Accreditation in accordance with the parameters for which the laboratory has been accredited;
 - (f) “Positive bacteriological result” means a test result showing the presence of total coliforms, *Escherichia coli* or 200 or more organisms per 100 milliliters as an overgrowth of background bacteria;
 - (g) “Water Rights License” is a water rights license issued pursuant to section 50 of *The Water Security Agency Act*;
 - (h) “Approval to Operate Works” is an approval to operate a raw water surface water/groundwater supply works that is issued pursuant to section 59 of *The Water Security Agency Act*;
 - (i) “Remote monitoring” is the ability to continuously receive real time data, operational conditions, and alarms indicating adverse operational conditions from a remote location via various methods of electronic data transfer; and
 - (j) “Remote process control” is the ability to employ remote monitoring in addition to having the ability to make operational or process adjustments from a remote location.

Section Two: Operation

- 2.1 The permittee shall comply with the Act and the *Regulations*, and the terms and conditions of this permit.
- 2.2 In the event of an inconsistency between the Act and this permit, or the *Regulations* and this permit, the more stringent requirement shall apply.
- 2.3 The permittee shall have a valid Water Rights License and a valid Approval to Operate Works issued pursuant to *The Water Security Agency Act*.
- 2.4 The permittee shall not extend or alter the waterworks without approval of the Water Security Agency.
- 2.5 The permittee shall have a written quality assurance and quality control policy that is satisfactory to the Water Security Agency. The permittee shall update its quality assurance and quality control policy as needed to incorporate changes to the waterworks equipment, operational procedures, chemical use, or any other matter or thing that could affect the quality of the water produced by the waterworks. The permittee shall:
- (a) provide a copy of the policy to any employee, agent or contractor performing work or service in relation to the waterworks; and
 - (b) inform the persons mentioned in 2.5(a) of the contents of the quality assurance and quality control policy.
- 2.6 Where all or part of a distribution system is new, extended, altered or repaired, the permittee shall after completion of the new waterworks or the alteration, extension or repair:
- (a) disinfect the portion of the distribution system that is new, extended, altered or repaired, in accordance with American Water Works Association Standard C651 *Disinfecting Water Mains*, or a standard that would offer an equivalent or greater level of protection of human health, before the commencement of its use; and
 - (b) take water samples from the distribution system that is new or has been extended, altered or repaired, and have the samples analyzed for bacteria.
- 2.7 The permittee shall ensure that the operation, repair and maintenance of the waterworks is under the direction of an operator who holds at least the corresponding certificate for the classification of the waterworks as set out in the Saskatchewan Water and Wastewater Works Operator Certification Standards, December 2016 or the latest version.
- 2.8 The Permittee shall ensure that there is a chlorine gas alarm system that is operational at all times when chlorine gas is being utilized. The Permittee shall ensure that all requirements in EPB 265 Guideline for Chlorine Gas Use in Water and Wastewater Treatment or the latest version are maintained at all times and that an emergency response plan

for chlorine gas in the water treatment plant is incorporated into the quality assurance quality control policy required by 2.5.

Section Three: Sampling, Monitoring and Water Quality

- 3.1 The permittee shall cause water samples to be taken from the waterworks to test for bacteria, turbidity, chlorine and for the other parameters listed in Appendix A, at the locations, times and frequency set out in Appendix A.
- 3.2 The permittee shall ensure that the water provided to consumers does not exceed the limits set out in Appendix B for bacteria, turbidity, and the chemical parameters listed in that appendix. The permittee shall cause the chlorine residuals to be maintained as set out in Appendix B.
- 3.3 Subject to 3.4, the permittee shall have water samples analyzed by an accredited laboratory, in accordance with the *Regulations*.
- 3.4 The permittee may perform water sampling and on-site analysis for the parameters indicated for “on-site testing” in Appendix A or by continuous water quality monitoring equipment, when authorized to do so.
- 3.5 The permittee shall take water samples in accordance with the instructions provided by the institution or laboratory that provides the sampling bottles or containers.
- 3.6 The permittee shall ensure that all water quality monitoring and testing equipment is maintained and calibrated on a frequency as recommended by the manufacturer; verification of the accuracy of online continuous monitoring equipment shall occur weekly.
- 3.7 The permittee shall perform and record the turbidity analysis and chlorine analysis manually and by means of on-site test equipment every four hours in the event of an unplanned continuous online turbidimeter or chlorine analyzer failure or outage.
- 3.8 The permittee shall immediately notify the Water Security Agency if a continuous chlorine analyzer or continuous online turbidimeter failure or outage is expected to last longer than 24 hours and results in manual readings as per 3.7.
- 3.9 The permittee shall continuously be informed of the operating conditions of the waterworks when remote monitoring/process control of the facility is employed.
- 3.10 The permittee shall ensure that the remotely monitored/process-controlled facility is visited within three hours of being notified of any emergency, upset or significant treatment plant process control problem.
- 3.11 The permittee shall ensure that all critical treatment components and continuous monitoring equipment employed at a remotely monitored/process-controlled facility are maintained and calibrated on a frequency as recommended by the manufacturer; verification of the accuracy of online continuous monitoring equipment shall occur weekly.
- 3.12 The permittee shall perform, at least once per week, a check of the communication and control system for a remotely monitored/process-controlled facility, to ensure the reliability of the operation.
- 3.13 The permittee shall employ a security system at the waterworks that ensures the public water supply is protected from vandalism, tampering and other destructive activities.

Section Four: Recordkeeping

- 4.1 The permittee shall maintain records containing the following information:
 - (a) total water pumped into the distribution system on a daily basis or the total raw water used;
 - (b) the types, dosages and total amounts of chemicals and ultraviolet light applied to the water for treatment;
 - (c) the locations from which samples for any tests conducted by the permittee of the waterworks were taken, in accordance with this permit, and the name of the person who conducted the sampling or testing and the results of those tests;
 - (d) any departures from normal operating procedures that may have occurred and the time and date that they occurred;
 - (e) any instructions that were given during operation of the waterworks to depart from normal operating practices and the name of the person who gave the instructions;
 - (f) any upset condition or bypass condition, the time and date of the upset condition or bypass condition and measures taken to notify others and resolve the upset condition or bypass condition;
 - (g) any condition of low disinfectant levels, the time, date and location of occurrence and measures taken to restore disinfectant levels to required values;
 - (h) the dates and results of calibrating any metering equipment and testing instruments; and
 - (i) the dates and types of maintenance performed on equipment and any actions taken to ensure the normal

- operation of the waterworks.
- 4.2 The permittee shall cause the operational records or logs mentioned in 4.1 to be recorded and maintained in the following manner:
- (a) operational records or logs must be made in chronological order, with the dates, times and testing locations clearly indicated;
 - (b) entries in an operational record or log must only be made by the permittee, which includes by definition any principal or agent of a permittee;
 - (c) any person making an entry in an operational record or log must do so in a manner that allows the person to be unambiguously identified as the maker of the entry;
 - (d) operational records or logs must be maintained on a daily basis and retained for at least five years;
 - (e) any anomalies or instances of missing entries in an operational record or log must be accompanied by explanatory notes;
 - (f) operational records or logs must only contain data or information that is actually observed or produced;
 - (g) operational records or logs must not contain default values generated manually or by automated means; and
 - (h) operational records or logs maintained pursuant to clause (d) must be made available promptly on request of the Water Security Agency.
- 4.3 The permittee shall review the records and logs mentioned in 4.1 on a monthly basis to ensure that the operating parameters are being achieved and that the limits set out in Appendix B are not exceeded.
- 4.4 The permittee shall report the findings to the Water Security Agency as soon as is reasonably practicable after each review required by 4.3 should the review of the records and logs indicate that the quality of water from the waterworks has been adversely affected, that any upset condition, bypass condition or event at the waterworks has not been reported, or that on-site water quality testing records are missing.

Section Five: Reporting and Consumer Reporting

- 5.1 The permittee shall submit the results of water sampling analysis performed in accordance with this permit to the Water Security Agency:
- (a) in the case of a positive bacteriological result, within 24 hours following completion of the sampling analysis; and
 - (b) in the case of all other parameters, within 7 days following completion of the sampling analysis.
- 5.2 The permittee shall direct the laboratory performing its water sampling analyses to submit the results within the timeframes mentioned in 5.1 directly to the Water Security Agency, in a format in accordance with EPB 383 Water Security Agency and Ministry of Environment - Environmental Management System (SEEMS) Lab-Operator (LAB-OPR) Data File Format, in addition to submitting the written results to the permittee.
- 5.3 The permittee shall immediately report to the Water Security Agency any known or anticipated upset condition, bypass condition or events at or affecting a waterworks that could adversely affect the quality of water produced by the waterworks.
- 5.4 The permittee shall immediately report to the Water Security Agency any instance where:
- (a) disinfection equipment fails including ambient ozone/chlorine gas alarms;
 - (b) the level of disinfection identified in Appendix B is not achieved or is not anticipated to be achieved;
 - (c) any other parameter level identified in Appendix B is not achieved or is not anticipated to be achieved;
 - (d) there is a retirement, suspension, resignation, scheduled absence or termination of employment of any certified waterworks distribution or waterworks treatment operator, or any anticipated retirement, suspension, resignation or termination that results in the waterworks not being under the direction of a certified operator that holds at least the corresponding certificate for the classification of those works; or
 - (e) a system depressurization has occurred.
- 5.5 The permittee shall instruct its employees, agents and contractors performing work or service in relation to the waterworks, of their obligation under section 34(1) of the *Regulations* and to report to the Water Security Agency any instance as described in 5.4 and any known or anticipated upset condition, bypass condition or events at or affecting a waterworks that could adversely affect the quality of water produced by the waterworks.
- 5.6 The permittee shall as soon as reasonably practical report any of the events mentioned in 5.3 or 5.4 to the Water Security Agency.
- 5.7 The permittee shall, once per calendar year, provide the consumers supplied by the waterworks with a notification of:

- (a) the quality of water produced or supplied by the waterworks in comparison with the levels set out in this permit; and
 - (b) the permittee's compliance with sample submission requirements described in this permit.
- 5.8 Within 30 days after providing consumer notification required by 5.7, the permittee shall provide a written copy of the notification to the Water Security Agency.
- 5.9 The permittee shall maintain records for all parameters that are specified to be tested "on-site" as indicated in Appendix A and make them available to the Water Security Agency upon request. For all other parameters, the permittee shall ensure that reporting is conducted in accordance with section 37 of the *Regulations*.

Section Six: Inspection

- 6.1 An environment officer may enter the waterworks at any time to conduct an inspection to ensure that the permittee is complying with this permit, the *Act* or the *Regulations*.
- 6.2 Upon the request of an environment officer, the permittee shall immediately provide any books, records, logs, graphs, papers, documents, or data, including any computer, digital or electronic records, logs, graphs, files or data maintained with respect to the waterworks.

Section Seven: General

- 7.1 A copy of this permit shall be posted in a conspicuous place at the waterworks.
- 7.2 The permittee shall provide each operator of the waterworks with a copy of this permit and the *Regulations*.
- 7.3 The Water Security Agency may cancel, alter or suspend this permit for the reasons and in the manner set out in the *Act*.
- 7.4 The permittee shall apply for renewal/alteration of this permit at least 60 days prior to its expiry.
- 7.5 In the event of any inconsistency between a previously issued Permit to Operate a Waterworks, and the terms and conditions of this Permit to Operate a Waterworks, the terms and conditions of this permit prevail.
- 7.6 This permit does not replace or supersede any approvals, licenses or authorizations that may be required due to municipal, provincial or federal legislation. The permittee shall maintain in force any and all such approvals, licenses or authorizations that may be required.
- 7.7 Where any notice or reporting is required to be given by the permittee, it shall be provided to:

Water Security Agency
Andrew Hickey
101 - 111 Fairford Street SK, S6H 7X9
Moose Jaw SK, S6H 7X9
Telephone: 306-741-5421
Email: WSAEOGravelbourg@wsask.ca

After hours, weekends and holidays, the Water Security Agency can be contacted by calling the Upset Report Line at 1.844.536.9494.

Appendix A

Permit to Operate a Waterworks Monitoring Schedule Permit No.: 00002399-10-00

Parameter(s)	Station Number	Testing Required	Limit Applied	Raw Water Sampling Locations and Minimum Sampling Frequency ¹
		Yes	Yes	
1. Turbidity (on-site testing)	N/A	X		Once (1) per week from the raw water entering the water treatment facility.

Parameter(s)	Station Number	Testing Required	Limit ¹ Applied	Treated Water Sampling Locations and Minimum Sampling Frequency ¹
		Yes	Yes	
1. Bacteriological Total coliform <i>Escherichia coli</i>	SK05HF0022	X	X	2 samples every week from representative locations in the distribution system. Repeat and special samples resulting from follow-up to a contaminated sample, and other samples are not considered as regular sample submissions.
2. Chlorine Residual (on-site testing)	N/A	X	X	Once (1) per day for free residual in the water entering the distribution system; OR Continuously for free residual in the water entering the distribution system; AND At the same frequency and locations as for bacteriological sampling, for free and total residuals.
3. Turbidity (on-site testing)	N/A	X	X	Continuously from the treated water from the filter effluent from each filter; AND Once (1) per day from water entering the distribution system; AND at the same frequency and locations as for bacteriological sampling.
4. Chemical - General Alkalinity Bicarbonate Calcium Carbonate Chloride Conductivity Fluoride Hardness Magnesium Potassium Nitrate pH Sodium Sulphate Total dissolved solids	SK05HF0022	X	Limits apply to Nitrate and Fluoride	Once (1) every year, from the treated water at the water treatment plant.

5. Chemical – Health Aluminium Antimony Arsenic Barium Boron Cadmium Chromium Copper Iron Lead Manganese Selenium Silver Uranium Zinc	SK05HF0022	X	Limits apply to Arsenic, Barium, Boron, Cadmium, Chromium, Lead, Selenium and Uranium	Once (1) every year, from the treated water at the water treatment plant.
6. Trihalomethanes (THMs) and Haloacetic Acids (HAA₅)^{5,6}	SK05HF0022	X	X	Once (1) every three (3) months from the water in the distribution system. One sample must be taken in each of the following periods of every year: January to March, April to June, July to September, and October to December. Samples are to be collected from a single representative location at an extremity of the distribution system. The same sampling location is to be used each time the sample is collected. Sampling locations in the distribution system should represent locations with the highest THM formation potential.
7. Microcystin-LR and/or Total Microcystins	SK05HF0022	X	X	At the water treatment plant following detection of significant algal blooms affecting a water intake. AND Once (1) in August of each year.

¹ Limits for identified parameters are provided in Appendix B.

Appendix B

Permit to Operate a Waterworks Permit Limits Permit No.: 00002399-10-00

The following water quality limits apply where identified in Appendix A.

Bacteriological:

Accredited laboratory may use method 9222 or 9223 as per *Standard Methods for the Examination of Water and Wastewater, 22nd edition, 2012*, to comply with the following limits:

- (a) total coliform levels of zero organisms detectable per 100 millilitres;
- (b) *Escherichia coli* levels of zero organisms detectable per 100 millilitres; and

* If test is positive for the presence of total coliform or *Escherichia coli*, further testing is required to obtain a quantitative measurement for the number of bacteria.

Chlorine Residual

- (a) a free chlorine residual of not less than 0.2 milligrams per litre in the water entering a distribution system; and
- (b) a total chlorine residual of not less than 0.5 milligrams per litre or a free chlorine residual of not less than 0.1 milligrams per litre in the water throughout the distribution system.

Turbidity:

Waterworks, regardless of the source, must maintain turbidity levels for water in the distribution systems at levels that will always result in acceptable microbiological quality and that will not compromise disinfection.

Requirements by Source/Treatment type:

Source/Treatment	Routine Standard	Max. Allowable Exceedance Duration	Absolute Maximum
Surface water ^{1,2} - Monthly average source turbidity greater than or equal to 1.5 NTU and employing chemically assisted filtration	Not to exceed 0.3 NTU, in more than 5% of discrete measurements, each calendar month OR more than 5% of the time each calendar month, if continuous monitoring employed.	Not to exceed 0.3 NTU for more than 12 consecutive hours, if continuous monitoring employed.	Never to exceed 1.0 NTU.
Surface water ^{1,2} - Monthly average source turbidity less than 1.5 NTU and employing chemically assisted filtration	Not to exceed 0.2 NTU, in more than 5% of discrete measurements, each calendar month or more than 5% of the time each calendar month if continuous monitoring employed.	Not to exceed 0.2 NTU for more than 12 consecutive hours if continuous monitoring employed.	Never to exceed 1.0 NTU.

¹ Includes surface waters and groundwater under the influence of surface water.

² Turbidity value measured from each filter effluent

Chemical – Health

Parameter	MAC ¹ (mg/L)	IMAC ² (mg/L)
Arsenic	0.01	
Barium	1	
Benzene	0.005	
Benzo(a)pyrene	0.00001	
Boron		5
Bromate	0.01	
Cadmium	0.005	
Carbon tetrachloride	0.005	
Chlorate	1	
Chlorite	1	

Chromium	0.05	
Cyanide	0.2	
Dichlorobenzene,1,2	0.2	
Dichlorobenzene,1,4	0.005	
Dichloroethane,1,2		0.005
Dichloroethylene,1,1	0.014	
Dichloromethane	0.05	
Dichlorophenol,2,4	0.9	
Fluoride	1.5	
Haloacetic Acids ³	0.08	
Lead	0.01	
Mercury	0.001	
Microcystin-LR	0.0015	
Monochlorobenzene	0.08	
Nitrate as NO ₃	45	
Selenium	0.01	
Tetrachlorophenol,2,3,4,6	0.1	
Trichloroethylene	0.05	
Trichlorophenol,2,4,6	0.005	
Trihalomethanes ⁴	0.1	
Uranium	0.02	
Vinyl Chloride	0.002	

<u>Radiological</u> ⁵	Parameter	MAC (Becquerels/L)
	Gross Alpha	0.5
	Gross Beta	1
	Lead-210 (²¹⁰ Pb)	0.2
	Radium-226 (²²⁶ Ra)	0.5
	Tritium (³ H)	7000
	Strontium-90 (⁹⁰ Sr)	5
	Iodine (¹³¹ I)	6
	Cesium-137 (¹³⁷ Cs)	10

<u>Chemical – Pesticides</u>	Parameter	MAC (mg/L)	IMAC (mg/L)
	Atrazine		0.005
	Bromoxynil		0.005
	Carbofuran	0.09	
	Chlorpyrifos	0.09	
	Dicamba	0.12	
	2,4-D ⁶		0.1
	Diclofop-methyl	0.009	
	Dimethoate		0.02
	Malathion	0.19	
	MCPA ⁷		0.1
	Pentachlorophenol	0.06	
	Picloram		0.19
	Trifluralin		0.045

¹Maximum Acceptable Concentration

² Interim Maximum Acceptable Concentration

³ Haloacetic acids refer to the total levels of monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid and dibromoacetic acid and is based on a locational running average of a minimum of quarterly samples taken from the water mains within a distribution system.

⁴ Trihalomethanes refers to the total levels of chloroform, bromodichloromethane, dibromochloromethane, and bromoform and is based on an annual average of 4 seasonal samples collected from the water mains within the distribution system.

⁵ Radiological - Water samples may be initially screened for radioactivity using gross alpha and gross beta activity determinations. Compliance with the standards may be inferred if the measurements for gross alpha and gross beta activity are less than 0.5 Bq/L (becquerels per litre) and 1.0 Bq/L, respectively, as these are lower than the strictest Maximum Acceptable Concentrations. If these values are exceeded then Table 3 of the *Guidelines for Canadian Drinking Water Quality—Summary Table, Health Canada, 2012*, as amended from time to time, applies.

⁶ 2,4 Dichlorophenoxyacetic Acid

⁷ 2-Methyl-4-Chlorophenoxyacetic Acid