



June 19, 2023

Skaha Estates Improvement District
PO Box 455
Okanagan Falls, BC
V0H 1R0

Mr. Wayne Watson:

RE: Skaha Estates Improvement District (13-105-00068) – Conditions on Permit

Name of Water Supply System: Skaha Estates Improvement District
Facility Number: 13-105-00068
Location: 1109 Willow St, Okanagan Falls, BC

Further to our assessment of the water system, conditions have been placed on the Permit to Operate. It is the responsibility of the water supplier to comply with the [Drinking Water Protection Act \(DWPA\)](#), the [Drinking Water Protection Regulation \(DWPR\)](#), and the [Drinking Water Treatment Objectives \(Microbiological\) for Surface Water Supplies in British Columbia \(DWTO\)](#), for the Skaha Estates Improvement District.

The following terms and conditions on your Permit to Operate are placed under Section 8 of the Drinking Water Protection Act. As such, there is a legal requirement to comply with all terms and conditions of the permit. Please contact the undersigned if you have comments for consideration with respect to the permit changes. Otherwise, the terms and conditions in this letter will supersede and update previous terms and conditions:

Terms and Conditions:

Condition 1: Provide treatment for Skaha Estates Improvement District that meets the BC Drinking Water Treatment Objectives

Status: Pending

Actions Required:		Timeline
1.	Contact a qualified professional (engineer) to conduct a system assessment and options analysis.	February 01, 2024
2.	Create an options analysis of the potential treatment plans to address deficiencies with the current water system. Create a financial plan for the water system to support treatment improvements.	August 01, 2024
3.	Narrow down the options to introduce to the public and create a communication plan for water users.	May 01, 2025

Interior Health would like to recognize and acknowledge the traditional, ancestral, and unceded territories of the Däkelh Dené, Ktunaxa, Nlaka'pamux, Secwépemc, St'át'imc, Syilx, and Tšilhqot'in Nations where we live, learn, collaborate and work together.

4.	Provide Interior Health with a treatment improvement plan and implementation schedule for bringing Skaha Estates Improvement District into compliance with the Drinking Water Protection Act.	June 01, 2025
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Condition 2: Install an in-line continuous chlorine monitor

Status: Pending

Actions Required:	Timeline
1. The chlorine monitor must continually monitor chlorine levels and ensure adequate contact time concentration is being met.	June 01, 2024

Condition 3: Install an in-line continuous turbidity monitor prior to treatment

Status: Pending

Actions Required:	Timeline
1. The turbidity data must be representative of the water source.	June 01, 2024

Condition 4: Calculate the chlorine contact time to the first residents during high flow and low flow season

Status: Completed

Actions Required:	Timeline
1. Hire a qualified professional (engineer) to calculate the chlorine contact time to the first customer. The contact time must take into account high flows and low flow based on the water system chemistry/physical parameters and configuration. Submit the completed report to Interior Health.	December 20, 2022

Condition 5: Water Quality Monitoring Plan

Status: Pending

Actions Required:	Timeline
1. Include source water quality monitoring in the plan. The plan must include an annual standard potability analysis, which takes into account source water turbidity, UV Transmittance, Total Organic Carbon, Disinfection By-Products (quarterly), Iron, Manganese, and Sulphates. Submit the plan to Interior Health for review.	June 30, 2023

Condition 6: Provide an EOCP Certified Operator to Operate the Water System

Status: Ongoing

Actions Required:	Timeline
1. Provide an EOCP Certified Operator to ensure the safe and continuous operation and maintenance of the drinking water system. The operator must, at minimum, hold valid certification that meets or exceeds the classification assigned by the EOCP. Provide evidence that an appropriately certified operator operates the water supply system.	September 01, 2023

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Condition 7: Record Daily Chlorine Residuals at First User**Status:** Not Complete

Actions Required:	Timeline
1. Chlorine must be recorded, at a minimum, daily at the first user (139 Devon Drive) to ensure calculated contact time is being met. Chlorine readings must be submitted to Interior Health every week. If the contact time is not achieved, corrective actions must be taken, a notification issued, and threats to the water system reported to Interior Health.	Ongoing

Interior Health Authority reserves the right to change the terms and conditions of your operating permit provided the drinking water officer or issuing official has first consulted with you (the water supplier) respecting the proposed changes, and has given consideration to any of your comments in our response, in accordance with Section 8(4) of the Drinking Water Protection Act.

For more resources and information, please refer to the following websites: [Online Help centre for BC Small Water systems](#), the [Small Water Systems Guidebook](#), [EOCP](#), and [the Interior Health Drinking Water for Everyone](#).

Sincerely,



Keyana Bjornson
Environmental Health Officer, CPHI(C)

cc: Rob Birtles, Team Leader, Small Water Systems, Drinking Water Systems Program, IHA

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