



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Huron-Kinloss Wastewater Systems

Client Operations Report

First Quarter 2025

Lucknow Wastewater Treatment System
Ripley Wastewater Treatment System

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Compliance Summary

The two wastewater treatment plants and collection systems in Huron-Kinloss have performed well in the first quarter of 2025. However, there were two (2) Environmental Compliance Approval (ECA) limit exceedances and two (2) spills reported. No bypasses or overflows occurred in the first quarter.

Lucknow Lagoon Spills – In January, the Lucknow Lagoon gate valve froze causing the effluent chamber to fill and spill out a conduit hole. Because of the spill, approximately 9m³ of effluent spilled onto the laneway, which was then moved to the filter beds. This was reported to the MECP's Spills Action Centre, Ref # 1-G582FH.

In March, Lucknow Lagoon Cell 1 spilled. As a result of the spill, approximately 2300m³ of Cell 1 contents flowed over the banks of the lagoon. This spill was the result of snow melt and rain. This was reported to the MECP's Spill Action Centre, Ref#1-J2IY9S.

Lucknow Lagoon Non-Compliance – In February, the TSS monthly average exceeded the reportable limit of 5.0 mg/L, with a result of 7.5 mg/L. This was reported to the MECP.

Ripley Lagoon Non-Compliance – In March, the geometric mean for E.coli was exceeded with a result of 300mpn/100mL (limit is 200mpn/100ml). This was reported to the MECP. This exceedance is being attributed to the large amount of migrating waterfowl that reside at the Ripley lagoons.

Monitoring Results

During the first quarter, the Lucknow Lagoon met all ECA effluent limits and objectives except for a TSS exceedance, which was reported in February due to a sample being compromised.

During the first quarter, the Ripley Lagoon exceeded the ECA effluent geometric mean for E.coli in March and did not meet all effluent objective. There were 3 objective exceedances recorded in March for E.coli, TAN and TSS.

	Lucknow WWTP				Ripley WWTP			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
% Rated Capacity	103				84			
# of Effluent Objective Exceedances	1				5			
# of Effluent Limit Exceedances	1				1			

Maintenance and Capital Activities

Routine facility checks, meter readings, equipment inspections, process operations, generator testing, in house lab analysis and sample collection were completed as required; additional notable activities included:

First Quarter

Lucknow Wastewater Treatment Plant and Collection System

- High flows caused a spill at the lagoon. Wastewater was diverted to storage tank.

Ripley Wastewater Treatment Plant and Collection System

- Discharged lagoons until end of April.
- Changed pump at SPS.

Alarm Summary

First Quarter

Lucknow Wastewater Treatment Plant and Collection System

- High flows due to weather and snow melt
- Power failure

Ripley Wastewater Treatment Plant and Collection System

- High flows due to weather and snow melt
- SPS pump fail

	Lucknow WWTP # Alarms Received	Ripley WWTP # Alarms Received
Q1	2	2
Q2		
Q3		
Q4		
TOTAL		

Community Concerns

No community complaints or concerns received during the first quarter.