



Policy

Section: 5.0 General

Policy: Algae Clean Up Policy

By-Law: 2008-59, 2009-10, 2011-03, 2014-59

Date: 2 May 2008

Revision: 21 March 2022

Coverage:

This policy shall govern algae clean up along the Lake Huron beach in the Township of Huron-Kinloss.

Policy Statement:

Algae clean up shall be carried out within the Township of Huron-Kinloss on a limited basis in order to minimize the impact that such activity may have on the local ecology. *(Please refer to the Huron-Kinloss Beach Stewardship Manual.)*

Legislative Authority:

N/A.

Contents:

Authorization

All algae clean up activity shall only be authorized by the Director of Community Services, Director of Public Works or Chief Administrative Officer for the Township of Huron Kinloss.

Seasonal Operation Dates

The Algae Harvester may only be activated starting first week of May and terminate use Friday of Thanksgiving weekend.

Scheduled Clean-ups of Algae

- a) Algae Clean-ups are scheduled for two ~~7.5-hour days~~ **up to fifteen hours** to complete a lakeshore clean-up either the first or second week of May.
- b) All subsequent clean-ups are scheduled ~~once per week with rotating four or five hour schedule cleanups~~ **may be scheduled** with until the third week of June.
- c) Beginning the last week of June, Algae Clean-ups are ~~are~~ **may be** scheduled up to bi-weekly either Mondays and Thursdays or Tuesdays and Fridays until Labour Day

or as the lake levels dictate, and algae accumulations become more or less prevalent.

- d) After Labour Day, algae clean-ups are scheduled every two weeks until Thanksgiving weekend or as the lake levels dictate, and algae accumulations become more or less prevalent.
- e) A total of one hundred and forty four hours maximum, ~~Staff may reschedule hours as required due to weather, additional clean-ups or high water levels as required~~ may be scheduled for contractor clean-ups, or less as the lake levels dictate, and algae accumulations become more or less prevalent.
- f) Staff may reschedule hours as required due to weather, additional clean-ups, or high-water levels as required.
- g) ~~Municipal Staff shall~~ The contractor will photograph and document the algae wash-up using Appendix "A" – Algae Accumulation Record to document their findings.

Algae Wash-ups Reported by residents

1. Algae Clean-up may be scheduled upon sighting/notification, Municipal staff shall measure, photograph, and document the algae wash-up. Municipal staff will use Appendix "A" – Algae Accumulation Record to document their findings.
2. If the wash-up is less than 15 cm (12 in.) wide, 2.25 cm (1 in.) deep and 250 m (820 ft.) long, no action will be taken.
3. If the wash-up is greater than 15 cm (12 in.) wide, 2.25 cm (1 in.) deep and 250 m (820 ft.) long, authorized staff may contact the contractor for beach cleaning services.

Response Time

1. A requisition received Monday to Thursday shall be responded to by the contractor or municipal staff less than 24 hours after receipt.
2. Requisitions received Friday shall be responded to Monday morning.
3. Preferred hours of clean up operations shall be between sunrise and 12:30 p.m.
4. Exceptions to preferred hours or extended hours may occur as a result of extensive amounts of algae or the reduced number of people along the lakeshore.
5. Director of Community Services, Director of Public Works or Chief Administrative Officer for the Township of Huron Kinloss will determine if an immediate response is required or delay for the next scheduled clean up.

Staff Clean Up

1. The algae shall be placed in a tractor bucket and dumped into a truck or dumpster at lighthouse harbour located at a beach access point or stockpiled at a beach access point.

Contractor Services/Harvester

1. Only authorized Township of Huron Kinloss staff may contact the contractor for beach cleaning services.
2. The Harvester and hand tools are to arrive on site in a clean, sanitized condition, and are to be maintained free of fluid leaks.
3. An emergency spill kit will be located on the contractor's tractor in case of sudden fluid leaks or spills from machinery.
4. The Harvester and hand tools shall be washed, refueled and serviced away from the water to prevent any deleterious substances from entering the water.
5. The Harvester must be used within 4.9 meters (16 feet), of the waterline unless granted permission by authorized staff due to additional algae blooms washed up beyond the 4.9 meters
6. Harvester operating procedure depth shall be no greater than 5 cm (2 inches) to ensure minimal disruption or damage to the beach ecosystem.
7. The Harvester shall be emptied at either designated areas predetermined by Municipal staff or into trucks / dumpsters located at beach access points.
8. The dune safety zone set back shall be a minimum of ten meters (33 feet) if possible.
9. The Owner/Operator, at his/her expense, is responsible for the recording, reporting, and restoration of any dune disturbance, as per the Township of Huron Kinloss Beach Stewardship Manual.
10. All Harvester operators must be trained, at their expense to be familiar with the algae Clean-up Policy.

Disposal

1. Algae shall be disposed at the Huron Landfill.
2. The Township shall make a dump or one ton truck available for the disposal of algae material on a monthly basis, or at the discretion of authorized staff listed above.

3. Only a Township pay loader is used to remove algae from stockpiles **on the beach** and will attempt to avoid any dune or sand deposits where possible, no dump trucks or other vehicles shall be allowed on the beach.
4. The collection trucks shall be at beach access points or other municipally designated areas. The algae stockpile locations are Hwy #86 at Amberley Beach, Beside Harbour wall at Point Clark Lighthouse, Clark Creek Access north of Concession 2 on Victoria Street, Pine River Boat Club beach, North Street Access Lurgan Beach, Concession 6 access, Concession 8 access, and Concession 10 Access.

Surf Zone (section where water extends and recedes to during wave action)

1. The surf zone shall be avoided unless an extensive amount of algae material is visible within the surf zone.
2. Surf zone action must be minimal, less than 1.8 m (6 ft.), to operate the Harvester in the surf zone.

Lighthouse Beach

Authorized staff may permit the use of contractor services at the Lighthouse Beach volleyball courts at their discretion.

Administrative Reports

1. ~~Staff upon return to the office~~ **The contractor** upon completion will submit completed Appendix A report to Administrative Assistant.
2. The Administrative assistant will enter the Appendix A document into computer system, and attach any photos to the report, and consolidate all reports for a fall report to Council.
3. The Director of Community Services will include the consolidated Appendix A reports, and any other pertinent information for the fall report to Council.

Appendix "A"

<u>TOWNSHIP OF HURON-KINLOSS</u> <u>Algae Accumulation Report</u>	
DATE: _____	
CLEAN-UP LOCATION: _____	
BEACH NAME: _____	
ALGAE ESTIMATE	HEIGHT _____ WIDTH _____ ft
WAVE SURF	<input type="checkbox"/> HIGH <input type="checkbox"/> MEDIUM <input type="checkbox"/> LOW
REPORTED BY: _____	PH# _____
ADDRESS: _____	
BEACH SURFACING:	<input type="checkbox"/> SAND <input type="checkbox"/> GRAVEL <input type="checkbox"/> ROCK
ACCESS POINT TO BEACH USED _____	
# of Truckloads Removed _____ # of Hours with Algae Harvester _____	
Dump Truck	<input type="checkbox"/>
Pay Loader	<input type="checkbox"/>
One Ton	<input type="checkbox"/>
OTHER NOTED POINTS: _____	
Insert Photos Here	