

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 0937-CVKFTB  
Issue Date: February 29, 2024

Greenwood Mushroom Development Corporation  
9760 Heron Road  
Ashburn, Ontario  
L0B 1A0

Site Location: Greenwood Mushroom Farm  
1161 Scugog Line 6  
Township of Scugog  
Regional Municipality of Durham, Ontario

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

addition, usage and operation of Works including washwater effluent treatment and subsurface disposal system, sanitary sewage treatment and subsurface disposal system, as well as stormwater management system serving a mushroom growing farm located at the above Site location, consisting of the following:

**Washwater Effluent Treatment and Subsurface Disposal System**

**PROPOSED WORKS**

Washwater effluent treatment and subsurface disposal system, having a design capacity of 90,000 litres per day for the treatment of washwater effluent generated from mushroom growing and packaging process, for reclamation of a portion of treated effluent back to the mushroom growing and washing process and disposal of the other portion of treated effluent into Type A Dispersal Bed for subsurface disposal, consisting of the following:

- one existing and one new (provision for standby) screening devices (SWECO Separators), receiving process wastewater and discharging via gravity to a septic tank;
- one (1) existing 13,500 septic tank, discharging by gravity to a 9,000 litre septic tank;
- One (1) new 50,000 L septic tank, discharging by gravity to a new pump tank;

- two (2) new septic tanks, operation in series, each having a volume capacity of 27, 000 litres, discharging via gravity to a new pump tank;
- one (1) new 27,000 litre pump tank, equipped with two (2) effluent pumps, with an alternating dosing program, capable of pumping 100 litres per minute at a Total Dynamic Head (TDH) of 5 metres, operating via pump control panel with high level audible and visible alarm, to alternatively dose the Cells 1 and 2 of the Aqua Wetland System;
- one (1) Aqua Wetland System (AWS) five (5) cells, Cells 1 and 2 are designed for solids removal, dosed in parallel, and each have an area of 267.6 square metres and equipped with effluent pumps to transfer effluent to a 13,500 litre pump tank that doses Cell 3 of the AWS, Cell 3 has an area of 535.1 square metres and is equipped with an effluent pump to dose Cell 4 that then doses Cell 5, Cells 4 and 5 are each 267.6 square metre in area and each cell has the option to recirculate a portion of the effluent to the septic tanks described above or to a preceding AWS cell via pipe branches, valves, extra pumps, and controls; Cell 5 is equipped with an effluent pump to transfer treated effluent to a 27,000 litre pump tank; and
- one (1) 27,000 litre pump tank equipped with a pump(s) to discharge to two (2) 47,000 litre water storage tanks for the reuse/reclaim of treated effluent, and two (2) effluent pumps with an alternating dosing program, capable of pumping 100 litres per minute at a TDH of 5 metres, operating via pump control panel with high level audible and visible alarm, to alternatively dose a Type A Dispersal Bed;
- one (1) raised Type A Dispersal Bed configured as two cells, each cell having a stone area of 900 square metres and consisting of a 300 millimetre thick stone layer and a 150 millimetre thick imported sand layer a percolation time of 6 to 10 minutes per centimetre with an area of 2,280 square metres, installed on native sandy soil with a percolation time of 10 minutes per centimetre, with each stone layer protected with a permeable Geotextile fabric and includes 48 runs of 12.2 metre long 75 millimetre diameter distribution pipes, complete with a minimum of 200 millimetre thick topsoil cover, with 50 millimetre bed crown; and
- including all other mechanical system, electrical system, instrumentation and control system, standby power system, piping, pumps, valves and appurtenances essential for the proper, safe and reliable operation of the Works in accordance with this Approval, in the context of process performance and general principles of wastewater engineering only.

## **Sanitary Sewage Treatment and Subsurface Disposal System**

### **PROPOSED WORKS**

#### **System A**

- one (1) new leaching bed for the replacement of old leaching bed, having a treatment capacity of 8,500 litres per day, consisting of twelve (12) parallel runs absorption stone trenches each equipped with a 21.3 metre long 75 millimetre diameter perforated distribution pipe, spaced at a minimum separation (centre-centre) distance of 1.8 metres with a total length of 256 metres, each stone trench is installed in

soil with a percolation time of 6 minutes per centimetre, the bottom of the trench is to be minimum 900 mm from high groundwater or soil with a percolation time greater than 50 minutes per centimetre.

## **EXISTING WORKS**

### **System A (with a treatment capacity of 8,500 litres per day serving Buildings A and B)**

- one (1) two-compartment septic tank, having a capacity of 27,000 litre and equipped with an effluent filter, discharging to a proposed pump chamber; and
- one (1) 27,000 litre balancing/pump tank, equipped with two (2) pumps with high level alarm system and control panel, discharging the above noted new leaching bed at a dosing rate of 402 litres per dose.

### **System B (with a treatment capacity of 3,105 litres per day serving Building C)**

- one (1) two-compartment septic tank, having a capacity of 13,500 litre and equipped with an effluent filter, discharging to a proposed pump chamber;
- one (1) 13,500 litre balancing/pump tank, equipped with two (2) pumps with high level alarm system and control panel, discharging the above noted new leaching bed at a dosing rate of 352 litres per dose; and
- one (1) leaching bed consisting of seven (7) parallel runs absorption stone trenches each equipped with a 15.2 metre long 75 millimetre diameter perforated distribution pipe, spaced at a minimum separation (centre-centre) distance of 1.7 metres with a total length of 106 metres, lying on native sand soil with a minimum thickness of 0.9 metre and a percolation time of less than 6 minutes per centimetres.

### **System C (with a treatment capacity of 1,600 litres per day serving a residence house)**

- one (1) two-compartment septic tank, having a capacity of 3,600 litre and equipped with an effluent filter, discharging to via gravity to a leaching bed;
- one (1) leaching bed consisting of six parallel runs absorption stone trenches each equipped with approximately 9.1 metre long 75 millimetre diameter perforated distribution pipe, spaced at a minimum separation (centre-centre) distance of 1.7 metres with a total length of 54.9 metres, lying on native sand soil with a minimum thickness of 0.9 metre and a percolation time of less than 6 minutes per centimetres.

## **Stormwater Management System**

## **EXISTING WORKS**

### **North-West Drainage Area**

stormwater drainage/management system to convey and manage rainfall runoff from a total drainage area of

4.97 hectares including parts of Buildings A, C, Buildings B and E, and other ground surfaces, consisting of the following:

- rooftop stormwater drainage pipe system, discharging into a sump known as "Central Stormwater Sump";
- stormwater drainage pipe system serving 1.1 hectares of ground surface drainage area, including an oil/grit separator described below, discharging into a sump known as "Central Stormwater Sump";
- one (1) oil/grit separator (Stormceptor Model EFO6) located west of the Central Stormwater Sump, having an oil volume of 610 litres and a maximum sediment volume of 3,470 litre, discharging into the Central Stormwater Sump; and
- one (1) Central Stormwater Sump, discharging via Cleanout Structure (North) and a 300 millimetre diameter and 525 metre long pipe (known as "North Storm Drain") to an outfall structure consisting of a small pool of water located within a Provincially Significant Wetland, with the water from the small pool discharging into the Nonquon River.

#### East Drainage Area

existing stormwater drainage system to convey rainfall runoff from a total drainage area of 4.25 hectares including parts of Buildings A and C, Buildings D and F, and other ground surfaces, consisting of the following:

- drainage pipe system connected to roof drain leaders, and drainage system serving gravel and paved roadway, all discharging into a sump known as "East Stormwater Sump";
- one (1) East Stormwater Sump, discharging via Cleanout Structure (East) and a 300 millimetre diameter and 310 metre long pipe (known as "East Storm Drain") to an existing small pool adjacent to Highway 7/12 and then overflow to existing roadside ditch along Highway 7/12;

#### Miscellaneous

- erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Stormwater Management System.

All in accordance with the submitted supporting documents listed in Schedule A.

*For the purpose of this environmental compliance approval, the following definitions apply:*

1. "Approval" means this entire Environmental Compliance Approval and any Schedules attached to it;
2. "CBOD5" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
3. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of

Part II.1 of the EPA;

4. "District Manager" means the District Manager of the appropriate local district office of the Ministry where the Works is geographically located;
5. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19;
6. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
7. "Grab Sample" or "Grab" means an individual sample of at least 1000 millilitres collected in an appropriate container at a randomly selected time over a period of time not exceeding 15 minutes;
8. "Licensed Engineering Practitioner" means a person who holds a licence, limited licence or temporary licence under the *Professional Engineers Act*, R.S.O. 1990, c. P.28;
9. "Maximum Daily Flow" (also referred to as Peak Daily Flow Rate or Maximum Day Flow) means the largest volume of flow to be received during a one-day period for which the effluent treatment process unit or equipment is designed to handle;
10. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;
11. "Normal Operating Condition" means the condition when all unit process(es) in a treatment train is operating within its design capacity;
12. "OBC" means the Ontario Building Code, Ontario Regulation 332/12 (Building Code) as amended to January 1, 2015, made under the *Building Code Act*, 1992 , S.O. 1992, c. 23;
13. "Operating Agency" means the Owner, person or the entity that is authorized by the Owner for the management, operation, maintenance, or alteration of the Works in accordance with this Approval;
14. "Owner" means Greenwood Mushroom Development Corporation, including any successors and assignees;
15. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40;
16. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
17. "Single Sample Result" means the test result of a parameter in the effluent discharged on any day, as measured by a probe, analyzer or in a composite or grab sample, as required;
18. "Works" means the Works described above and approved herein being defined in the OWRA as sewage

works, and includes Proposed Works and Existing Works.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. GENERAL PROVISIONS**

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the terms and conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. The Owner shall design, construct, operate and maintain the Works in accordance with the conditions of this Approval.
3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.
4. The issuance of, and compliance with the conditions of this Approval does not:
  - a. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the Works; or
  - b. limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

### **2. CHANGE OF OWNER AND OPERATING AGENCY**

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
  - a. change of address of Owner;
  - b. change of Owner, including address of new owner;
  - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act, R.S.O. 1990, c. B.17* shall be included in the notification;
  - d. change of name of the corporation and a copy of the most current information filed under the *Corporations Information Act, R.S.O. 1990, c. C.39* shall be included in the notification.

2. The Owner shall notify the District Manager, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
  - a. change of address of the Operating Agency;
  - b. change of the Operating Agency, including address of the new Operating Agency.
3. In the event of any change in ownership of the Works, the Owner shall notify the succeeding owner in writing, of the existence of this Approval, and forward a copy of the notice to the District Manager.
4. The Owner shall ensure that all communications made pursuant to this condition refer to the number of this Approval.

### 3. CONSTRUCTION OF PROPOSED WORKS

1. All Proposed Works in this Approval shall be constructed and installed and must commence operation within **five (5) years** of issuance of this Approval, after which time the Approval ceases to apply in respect of any portions of the Works not in operation. In the event that the construction, installation and/or operation of any portion of the Proposed Works is anticipated to be delayed beyond the time period stipulated, the Owner shall submit to the Director an application to amend the Approval to extend this time period, at least six (6) months prior to the end of the period. The amendment application shall include the reason(s) for the delay and whether there is any design change(s).
2. The Owner shall ensure that an imported soil that is required for construction of any subsurface disposal bed as per this Approval is tested and verified by the Licensed Engineering Practitioner for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.
3. Upon completion of construction of the Proposed Works, the Owner shall prepare and submit a written statement to the District Manager, certified by a Licensed Engineering Practitioner, that the Proposed Works is constructed in accordance with this Approval.
4. **One (1) week** prior to the commencement of the operation of the Proposed Works, the Owner shall notify the District Manager (in writing) of the pending start-up date.
5. Within **one (1) year** of completion of construction of the Proposed Works, a set of record drawings of the Works shall be prepared or updated. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be readily accessible for reference at the Works.

### 4. DESIGN OBJECTIVES

1. The Owner shall design and undertake everything practicable to operate the Washwater Effluent Treatment and Subsurface Disposal System in accordance with the following objectives:

- a. Final Effluent parameters design objectives listed in the table included in **Schedule B**.
  - b. Maximum Daily Flow from the washwater effluent treatment system to the Type A Dispersal Bed is within the design capacity of 90,000 litres per day.
2. The Owner shall undertake everything practicable to operate the Stormwater Management System to ensure the final effluent from the Stormwater Management System is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film or sheen or foam or discolouration on the receiving waters.

## 5. COMPLIANCE LIMITS

1. The Owner shall operate and maintain the Washwater Effluent Treatment and Subsurface Disposal System such that compliance limits for the effluent discharging into subsurface disposal beds listed in the Table C-1 included in **Schedule C** are met.
2. The Owner shall operate and maintain the Stormwater Management System such that compliance limits for the effluent parameters listed in the Table C-2 included in **Schedule C** are met.

## 6. OPERATION AND MAINTENANCE

1. The Owner shall ensure that, at all times, the Works and the related equipment and appurtenances used to achieve compliance with this Approval are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and relevant regulations made under the OWRA, process controls and alarms and the use of process chemicals and other substances used in the Works.
2. The Owner shall prepare/update the operations manual for the Washwater Effluent Treatment and Subsurface Disposal System within **six (6) months** of completion of construction of the Proposed Works, that includes, but not necessarily limited to, the following information:
  - a. operating procedures for the Washwater Effluent Treatment and Subsurface Disposal System under Normal Operating Conditions;
  - b. inspection programs, including frequency of inspection, for the Washwater Effluent Treatment and Subsurface Disposal System and the methods or tests employed to detect when maintenance is necessary;
  - c. repair and maintenance programs, including the frequency of repair and maintenance;
  - d. procedures for the inspection and calibration of monitoring equipment;
  - e. operating procedures for the Washwater Effluent Treatment and Subsurface Disposal System to handle situations outside Normal Operating Conditions and emergency situations such as a



structural, mechanical or electrical failure, or an unforeseen flow condition;

- f. a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Spills Action Centre (SAC) and District Manager;
  - g. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
3. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference for the operational life of the Washwater Effluent Treatment and Subsurface Disposal System. Upon request, the Owner shall make the manual available to Ministry staff.
  4. The Owner shall ensure that grass-cutting is maintained regularly over the subsurface disposal beds, and that adequate steps are taken to ensure that the area of the underground works is protected from vehicle traffic.
  5. The Owner shall visually inspect the general area where all subsurface disposal beds are located for break-out **once every month** during the operating season.
  6. In the event a break-out is observed from a subsurface disposal bed, the Owner shall do the following:
    - a. sewage/washwater effluent discharge to that subsurface disposal bed shall be discontinued;
    - b. the incident shall be **immediately** reported verbally to the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060;
    - c. submit a written report to the District Manager within **one (1) week** of the break-out;
    - d. access to the break-out area shall be restricted until remedial actions are complete;
    - e. during the time remedial actions are taking place the sewage/washwater effluent generated at the site shall not be allowed to discharge to the environment; and
    - f. sewage/washwater effluent generated at the site shall be safely collected and disposed of through a licensed waste hauler to an approved sewage disposal site.
  7. The Owner shall ensure that the septic tanks be inspected **at least twice per year**, and the sewage sludge accumulated in the septic tanks be periodically withdrawn at the frequency required to maintain efficiency of the treatment system. The effluent filters in septic tanks shall be cleaned out at least once every six (6) months, when the tank is pumped out, or as determined by the Operating Agency, whichever comes first.
  8. The Owner shall inspect the Stormwater Management System at least two (2) times per year and, if necessary, clean and maintain the Stormwater Management System to prevent the excessive build-up of

sediments, oil/grit, and/or vegetation.

9. The Owner shall operate the oil/grit interceptor with the objective that no visible oil sheens occur in the effluent discharged from the oil/grit interceptor.
10. The Owner shall carry out and maintain an annual inspection and maintenance program on the operation of the oil/grit interceptor in accordance with the manufacturer's recommendation.
11. The Owner shall maintain a logbook to record the results of all inspections, repair and maintenance undertaken, calibrations, monitoring and spill response or contingency measures undertaken and shall make the logbook available for inspection by Ministry staff. The logbook shall include the following:
  - a. the name of the operator making the entry; and
  - b. the date and results of each inspection, repair, maintenance, calibration, monitoring, spill response and contingency measure.
12. The Owner shall ensure that the Operating Agency possesses the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.
13. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

## 7. MONITORING AND RECORDING

1. The Owner shall, upon commencement of operation of the Works, carry out a scheduled monitoring program of collecting samples at the required sampling points, at the frequency specified or higher, by means of the specified sample type and analyzed for each parameter listed in the tables under the monitoring program included in Schedule D and record all results, as follows:
  - a. all samples and measurements are to be taken at a time and in a location characteristic of the quality and quantity of the sewage/washwater effluent stream over the time period being monitored.
  - b. if conditions on the day of sampling exist where there is no flow or standing water at the sampling points identified in Table D-2 of **Schedule D**, the Owner shall record the condition as "Dry". The Owner shall not incorporate "Dry" conditions in rolling average calculations in accordance with the note "Understanding Four-month Rolling Average" included in **Schedule C**. In situations where "Dry" is recorded, the Owner shall use the four (4) most recent events where a sample was collected in calculating the four-month rolling average.
  - c. definitions and preparation requirements for each sample type are included in document referenced in Paragraph 2.a.

- d. definitions for frequency:
    - i. Monthly means once every month;
  - e. The measurement frequencies specified in Table D-1 of **Schedule D** in respect to any parameter may, after one (1) year of monitoring in accordance with this Condition, be modified by the Director in writing.
  - f. The sampling frequencies and/or parameters specified in the Table D-2 of **Schedule D** may be reduced where authorized in writing by the Director if the Owner is able to demonstrate satisfactory performance for two (2) consecutive years.
2. The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following documents and all analysis shall be conducted by a laboratory accredited to the ISO/IEC:17025 standard or as directed by the District Manager:
    - a. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended;
    - b. the publication "Standard Methods for the Examination of Water and Wastewater", as amended; and
    - c. for any parameters not mentioned in the documents referenced in Paragraphs 2.a, 2.b and 2.c, the written approval of the District Manager shall be obtained prior to sampling.
  3. The Owner shall monitor and record the flow rate and daily quantity using flow measuring devices or other methods of measurement as approved below calibrated to an accuracy within plus or minus 15 per cent (+/- 15%) of the actual flowrate from the washwater treatment system to the Type A Dispersal Bed, by continuous flow measuring devices and instrumentations/pumping rates.
  4. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval.

**8. REPORTING - Washwater Treatment and Subsurface Disposal System**

1. The Owner shall report to the District Manager orally **as soon as possible** any non-compliance with the compliance limits specified in Table C-1 of **schedule C**, and in writing within **seven (7) days** of non-compliance.
2. In addition to the obligations under Part X of the EPA and O. Reg. 675/98 (Classification and Exemption of Spills and Reporting of Discharges) made under the EPA, the Owner shall, within **fifteen (15) days** of the occurrence of any reportable spill as provided in Part X of the EPA and O. Reg. 675/98, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill, clean-up and recovery measures taken, preventative measures to be taken and a schedule of implementation.
3. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting

documentation available to Ministry staff.

4. The Owner shall prepare performance report for the Washwater Effluent Treatment and Subsurface Disposal System on a calendar year basis and submit to the District Manager in an electronic format by **March 31** of the calendar year following the period being reported upon. The reports shall contain, but shall not be limited to, the following information pertaining to the reporting period:
  - a. a summary and interpretation of all Influent monitoring data, and a review of the historical trend of the washwater effluent characteristics and flow rates;
  - b. a summary and interpretation of all flow data and results achieved in not exceeding the Maximum Daily Flow discharged into the subsurface disposal system;
  - c. a summary and interpretation of all washwater effluent monitoring data, including concentration, flow rates, and a comparison to the design objectives and compliance limits in this Approval, including an overview of the success and adequacy of the Works;
  - d. a summary of all operating issues encountered and corrective actions taken;
  - e. a summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
  - f. a summary of any washwater effluent quality assurance or control measures undertaken;
  - g. a summary of the calibration and maintenance carried out on effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
  - h. a summary of any complaints received and any steps taken to address the complaints;
  - i. a summary of all situations outside Normal Operating Conditions and spills within the meaning of Part X of EPA and abnormal discharge events;
  - j. any other information the District Manager requires from time to time.

## 9. **REPORTING - Stormwater Management System**

1. The Owner shall report to the District Manager orally **as soon as possible** any non-compliance with the compliance limits specified in the Table C-2 of **schedule C**, and in writing within **seven (7) days** of non-compliance.
2. In addition to the obligations under Part X of the EPA and O. Reg. 675/98 (Classification and Exemption of Spills and Reporting of Discharges) made under the EPA, the Owner shall, within fifteen (15) days of the occurrence of any reportable spill as provided in Part X of the EPA and O. Reg. 675/98, submit a full written report of the occurrence to the District Manager describing the cause and discovery

of the spill, clean-up and recovery measures taken, preventative measures to be taken and a schedule of implementation.

3. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
4. In the event of any non-compliance with the effluent compliance limit for a parameter listed in the table included in the Table C-2 of **Schedule C**, during the prescribed monitoring events listed in the Table D-2 under the monitoring program included in **Schedule D**, the Owner shall submit a report to the District Manager within two (2) weeks of the receipt of laboratory sample results. The report shall include the following:
  - a. a summary of the non-compliance parameter(s) during that month;
  - b. a copy of the laboratory results; and
  - c. detailed actions that are being implemented to bring the non-compliance into compliance.
5. A new report required by above Subsection 4 shall be submitted every month until all new sampling results are in compliance with the effluent limits listed in the Table C-2 of **Schedule C**. Should the Owner be able to demonstrate conclusively through a scientific report that the non-compliance is not a result of mushroom farm activities, the Owner may apply to the Director to amend the effluent compliance limit(s) to reflect the background conditions of the site.
6. The Owner shall prepare, and submit to the District Manager upon request, a performance report for the Stormwater Management System, on an annual basis, by **March 31** for the previous calendar year. The report shall contain, but shall not be limited to, the following information pertaining to the reporting period:
  - a. a summary and interpretation of all effluent monitoring data, and a comparison to the compliance limits in this Approval.
  - b. a description of any operating problems encountered and corrective actions taken;
  - c. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;
  - d. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
  - e. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
  - f. a summary of all by-pass, spill or abnormal discharge events; and
  - g. any other information the District Manager requires from time to time.

**PROHIBITION**

The Owner shall ensure that the Stormwater Management System is operated exclusively for the collection, transmission, treatment and disposal of stormwater runoff. Under **no** circumstance shall any process wastewater (including, but not limited to, the wastewater from irrigation of the plants, the wastewater from the washing of floors/vegetable (if any), floor drain wastewater, or boiler blow downs or condensate) from the site be discharged into the Stormwater Management System.

## **Schedule A**

1. Application for Environmental Compliance Approval dated June 15, 2023 and received on June 16, 2023, and submitted by Brent Taylor, Partner of Greenwood Mushroom Development Corporation, for the proposed new Washwater Effluent Treatment and Subsurface Disposal System, replacement of beaching bed sanitary sewage System A, and modifications to the Stormwater Management System, including design brief, engineering drawings and specifications.

## Schedule B

### Wastewater Effluent Treatment and Subsurface Disposal System

**Effluent Objectives**  
**For the final effluent from the Aqua Wetland System (AWS),**  
**prior to discharge into the Type A Dispersal Bed**

<b>Final Effluent Parameter</b>	<b>Averaging Calculator</b>	<b>Concentration Objectives</b> (maximum unless otherwise indicated)
Total Suspended Solids	Single Sample Result	10.0 mg/L*
CBOD5	Single Sample Result	10.0 mg/L
Total Nitrogen	Single Sample Result	4.0 mg/L

**Note\***<sup>1</sup>: mg/L means milligrams per litre.

## Schedule C

### Wastewater Effluent Treatment and Subsurface Disposal System

**Table C-1 Effluent Compliance Limits**  
**For the final effluent from the Aqua Wetland System (AWS),**  
**prior to discharge into the Type A Dispersal Bed**

<b>Final Effluent Parameter</b>	<b>Averaging Calculator</b>	<b>Concentration Limits</b> (maximum unless otherwise indicated)
Total Suspended Solids	Single Sample Result	20.0 mg/L*
CBOD5	Single Sample Result	20.0 mg/L
Total Nitrogen	Single Sample Result	8.0 mg/L

**Note\***<sup>1</sup>: mg/L means milligrams per litre.



## Schedule C

### STORMWATER MANAGEMENT SYSTEM

**Table C-2 Effluent Compliance Limits  
For the Effluent from Stormwater Management System**

Effluent Parameter	Concentration Limit (Four-month Rolling Average* <sup>2</sup> otherwise indicated) (maximum unless otherwise indicated)
Total Phosphorus	0.5 mg/L* <sup>1</sup>
Nitrate Nitrogen	20 mg/L
Potassium	25 mg/L
Copper	0.02 mg/L
Chloride	200 mg/L
Sulphate	200 mg/L
Zinc	0.10 mg/L
pH	between 6.5 - 10.0 inclusive ( <b>Single Sample Result</b> )

**Note\*<sup>1</sup>**: mg/L means milligrams per litre.

**Note\*<sup>2</sup>**: For an example of rolling average, see "Understanding Four-month Rolling Average" below.

### Understanding Four-month Rolling Average

A four-month rolling average is an average value based on the four (4) most recent months of data. The average "rolls along" with the most recent data. Rolling average is a useful means of illuminating trends in data where there is wide variation in the data from sample event to sample event.

Sampling Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
P1	0.20	Dry	0.30	0.36	0.55							
P2	0.20	Dry	0.30	0.36	0.55	0.45						
P3	0.20	Dry	0.30	0.36	0.55	0.45	0.25					

For example, from the table above:

- The four-month rolling average for May reporting (for P1) is  $(0.20+0.30+0.36+0.55)/4 = 0.35$
- The four-month rolling average for June reporting (for P2) is  $(0.30+0.36+0.55+0.45)/4 = 0.42$
- The four-month rolling average for July reporting (for P3) is  $(0.36+0.55+0.45+0.25)/4 = 0.40$

**Schedule D**  
**Monitoring Plan**

**Wastewater Effluent Treatment and Subsurface Disposal System**

**Table D-1 Effluent Monitoring**

<b>Sampling Location</b>	one (1) sample location for the contents of the 27,000 litre pump tank, prior to the discharging into the Type A Dispersal Bed
<b>Sampling Type</b>	Grab
<b>Minimum Frequency</b>	Monthly
<b>Sampling Parameters</b>	CBOD5, Total Suspended Solids, Total Phosphorus, Total Ammonia Nitrogen, Nitrate and Nitrite Nitrogen

**STORMWATER MANAGEMENT SYSTEM**

**Table D-2 Effluent Monitoring**

<b>Sampling Location</b>	Two (2) sampling points (as shown in the submitted drawing entitled "Draining Plan Sketch"), as follows: <ol style="list-style-type: none"> <li>1. one (1) sampling point for the North Storm Drain, at the Cleanout Structure (North); and</li> <li>2. one (1) sampling point for the East Storm Drain, at the Cleanout Structure (East).</li> </ol> <p>Note: When flow is present, a sample is to be collected at each Cleanout Structure; if no flow is present and standing water is present, a sample shall be collected from the sump of the cleanout structure.</p>
<b>Sampling Type</b>	Grab
<b>Minimum Frequency</b>	Monthly (year-round)
<b>Sampling Parameters</b>	Total Suspended Solid, Total Ammonia Nitrogen, Nitrate Nitrogen, Total Phosphorus, Ortho Phosphorus (Phosphorus as Phosphate), Zinc, Copper, Manganese, Iron, Molybdenum, Boron, Chloride, Sulphate, Potassium, Hardness, pH

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 regarding general provisions is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted.
2. Condition 2 regarding change of Owner and Operating Agency is included to ensure that the Ministry records are kept accurate and current with respect to ownership and Operating Agency of the Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
3. Condition 3 regarding construction of Proposed Works is included to ensure that the Proposed Works are constructed in a timely manner so that standards applicable at the time of Approval of the Works are still applicable at the time of construction to ensure the ongoing protection of the environment, and also ensure that the Proposed Works are constructed in accordance with the Approval and that record drawings of the Works "as constructed" are updated and maintained for future references.
4. Condition 4 regarding design objectives is imposed to establish non-enforceable design objectives to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs.
5. Condition 5 regarding compliance limits is imposed to ensure that the final effluent discharged from the Works to the environment meets the Ministry's effluent quality requirements.
6. Condition 6 regarding operation and maintenance are included to require that the Works be properly operated, maintained, funded, staffed and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. As well, the inclusion of a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the Owner. Such a manual is an integral part of the operation of the Works. Its compilation and use should assist the Owner in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the Owner's operation of the Works.
7. Condition 7 regarding monitoring and recording is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives and compliance limits.
8. Conditions 8 and 9 regarding reporting are included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for this Approval.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s).  
6403-A9NSAS issued on June 22, 2016.**

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me and the Ontario Land Tribunal within 15 days after receipt of this notice, require a hearing by the Tribunal. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Notice") shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the *Environmental Protection Act*, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

Registrar\*  
Ontario Land Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5  
OLT.Registrar@ontario.ca

and

The Director appointed for the purposes of Part II.1 of the *Environmental Protection Act*  
Ministry of the Environment, Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

\* **Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or [www.olt.gov.on.ca](http://www.olt.gov.on.ca)**

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental Protection Act*.

DATED AT TORONTO this 29th day of February, 2024



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Fariha Pannu, P.Eng.

Director

appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

NH/

c: District Manager, MECP York-Durham District Office  
Andrew Hellebust, Rivercourt Engineering Inc.  
Frank Fisl, Watercom Engineering Inc.