

**AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
1 NATIONAL LIFE DRIVE, MAIN 2
MONTPELIER, VT 05620-3521**

INDIRECT DISCHARGE PERMIT

Permit No.: ID-9-0265

PIN: SJ96-0314

SECTION A - "ADMINISTRATION"

In compliance with provisions of 10 V.S.A. §1263, and in accordance with the following conditions, the permittee:

McLure's Honey and Maple Products
Division of Dutch Gold Honey, Inc.
46 North Littleton Road
Littleton, NH 03561

is authorized to discharge non-sewage wastewater from a maple syrup and honey packaging facility located in Littleton, New Hampshire to manure pits located in the Towns of Guildhall, Lunenburg, St. Johnsbury and Sutton, Vermont. The wastewater/manure mixture is to be managed in accordance with Accepted Agricultural Practices. **This is a permit renewal.**

A1. Permit Summary:

Expiration Date	December 31, 2021
Type of Waste	Maple syrup and honey wastewater
Disposal System	Discharge of wastewater into manure pits followed by management of the wastewater/manure mixture in accordance with Accepted Agricultural Practices
Disposal Volume	Up to 208,000 gallons per year
Towns	Guildhall, Lunenburg, St. Johnsbury and Sutton
Total Manure Pit Capacity Available for Disposal (10% of Total Manure Pit Volume Available)	641,885 gallons

A2. Compliance Schedule:

The following schedule summarizes the actions and requirements necessary for compliance with the conditions of this permit. The permittee shall complete the requirements in accordance with the dates indicated. See the designated section for specific details.

<u>Condition # & Description</u>	<u>Schedule Date</u>
A3. Apply for renewal of Indirect Discharge Permit	September 30, 2021
D1. Wastewater disposal monitoring and reporting	As Specified
D2. Submit report to the Secretary	Monthly
D4. Other monitoring/testing required	As Specified

A3. Expiration Date:

This permit, unless revoked or amended shall be valid until December 31, 2021 despite any intervening change in Water Quality Standards or the Vermont Guidelines for Land Application of Dairy Processing Wastes. Renewal of this Indirect Discharge Permit will be subject to all rules applicable at the time of application for renewal, including biological standards to determine significant alteration of aquatic biota.

The permittee shall apply for an Indirect Discharge Permit renewal by September 30, 2021 for continued authorization to discharge non-sewage wastewater to manure pits. For the purposes of Title 3, an application for renewal of this indirect discharge permit will be considered timely if a complete application is received by the expiration date.

A4. Effective Date:

This permit becomes effective on January 1, 2017.

A5. Revocation:

The Secretary may revoke this permit in accordance with 10 V.S.A. §1267.

A6. Transfer of Permit:

This permit is not transferable without prior written approval of the Secretary. The permittee shall notify the Secretary immediately, in writing, before any sale, lease or other transfer of ownership of the property from which the permitted discharge originates. The proposed transferee shall make application for a permit to be reissued in their name. Failure to apply shall be considered a violation of this permit. Responsibility for compliance with the conditions of this permit shall be the burden of the permittee until such time as transfer of the permit to the transferee is complete. All application and operating fees must be paid in full prior to transfer of this permit. This permit shall be transferred only upon showing by the permittee or proposed transferee of compliance with the following conditions:

- a. The transferee shall be a legal entity, financially and technically competent to operate, inspect, maintain and replace the system.
- b. The transferee shall demonstrate that they have the legal authority to raise revenues for the proper operation, inspection, and maintenance of the system.
- c. The transferee shall provide a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittees to the Secretary.

A7. Minor Modifications of Permit:

The Secretary may modify this permit without requiring a permit application, a public notice, or a public hearing to correct typographical errors or increase the frequency of monitoring or reporting in accordance with Condition D(4) of this permit.

A8. Indirect Discharge Rules:

This indirect discharge was reviewed and qualified for an Indirect Discharge Permit in accordance with the Vermont Water Quality Standards, Section 14-607(b) of the Indirect Discharge Rules, and the Vermont Guidelines for Land Application of Dairy Processing Wastes.

A9. Right of the Agency to Inspect:

The permittee shall make arrangements to insure that the Secretary or the Secretary's authorized representative upon the presentation of their credentials and at reasonable times, may enter upon any fields or inspect any manure pits being used as disposal sites.

A9. Right of Agency to Inspect (continued):

The permittee shall allow the Secretary or the Secretary's authorized representative upon the presentation of their credentials and at reasonable times:

- a. To enter upon permittee's premises in which any effluent source, treatment or disposal system is located or in which any records are required to be kept under the conditions of the permit;
- b. To have access to and copy any records required to be kept under conditions of this permit;
- c. To inspect any monitoring equipment or method required in this permit;
- d. To sample any discharge of waste, groundwater or surface water; and
- e. To inspect any collection, treatment, pollution management and disposal facilities required by this permit.

A10. Permit Availability:

A copy of this permit shall remain at the office of the permittee and, upon request, shall be made available for inspection by the Secretary.

A11. Modifications and Additions to System:

The permittee may add manure pits to be utilized in the program by using the following procedures:

- a. The permittee shall submit an application for an administrative amendment of the permit to update the listing of manure pits in Attachment A.
- b. Manure slurry pits may be added to the program upon submittal of a written agreement executed between the permittee and the farmer. The agreement should state the location and volume of the farmer's manure pit, state that the farmer agrees to manage the wastewater/manure mixture in accordance with the Accepted Agricultural Practices, and be signed and dated by both parties.

A12. Operating Fees:

This indirect discharge is subject to operating fees. The permittee shall submit the operating fees in accordance with procedures provided by the Secretary.

SECTION B - "INDIRECT DISCHARGE"

B1. Nature of Indirect Discharge:

The wastewater authorized for disposal by this permit is from the processing of maple syrup and honey at McLure's Honey and Maple Products, a Division of Dutch Gold Honey, Inc. located in Littleton, New Hampshire.

Based on analytical data for wastewater samples submitted by the permittee for the period 2011 - 2016, the wastewater is expected to have the following approximate concentrations:

<u>Parameter</u>	<u>Range of Concentration (mg/L)</u>	<u>Mean Concentration (mg/L)</u>
Biochemical Oxygen Demand	15,000 – 65,000	38,000
Nitrite/Nitrate Nitrogen	< 0.1 – 1.0	0.3
Total Kjeldahl Nitrogen	11.0 – 240	63
Ammonia	0.11 – 12.0	2.4
Total Phosphorus	0.2 – 14.0	2.6
Total Dissolved Phosphorus	< 0.01 – 5.1	0.9
Sodium	8.0 – 150	102
Chloride	28 – 180	130
pH	2.2 – 4.3 S.U.	3.4 S.U.

These are not permit limits and exceedences of these values may occur.

The wastewater will be collected and stored at the facility in a 3,000 gallon storage tank and hauled to the manure pits in a 8,000 gallon tanker truck.

The wastewater/manure mixture shall be managed in accordance with the Vermont Department of Agriculture Accepted Agricultural Practices.

B2. Chemicals Utilized:

The permittee has submitted a list of chemicals utilized at the facility for the purpose of cleaning equipment and general sanitation. These are the only chemicals which are authorized for disposal in the wastewater which is taken to manure pits. Prior to making any changes in the chemicals used, the permittee shall submit a request for evaluation of the new chemicals to the Secretary. If the Secretary determines that the change in chemicals is a significant change, the permittee shall be required to apply for a permit amendment. Minor changes in chemicals used, as determined by the Secretary, will not require permit amendment. For those chemicals which are obtained from a different supplier or source and are identical to the chemicals listed in the application, the permittee shall notify the Secretary of the change; no evaluation will be necessary.

SECTION C - "SYSTEM OPERATION"

C1. General:

The wastewater shall be handled at all times in a manner that will (1) not permit the surface runoff of wastewater to waters of the State and (2) not result in a violation of the Water Quality Standards.

C2. Limits on Disposal:

This permit authorizes only the discharge of wastewater to the manure slurry pits identified in Attachment A of up to 208,000 gallons per year. The amount of wastewater discharged to the manure pits shall not exceed 10% of each pit's total volume in any calendar year. This volume is listed in Attachment A.

SECTION D - "MONITORING"

D1. Monitoring Requirements:

Upon the effective date of this permit, the permittee shall sample and analyze the wastewater as follows:

<u>Parameter</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sample Frequency</u>
Biochemical Oxygen Demand (5-day)	mg/L	grab	Semi-Annually
Sodium (Na+)	mg/L	grab	Semi-Annually
Chloride (Cl-)	mg/L	grab	Semi-Annually
Total Dissolved Solids	mg/L	grab	Semi-Annually
Total Phosphorus	mg/L	grab	Semi-Annually
Total Kjeldahl Nitrogen (TKN)	mg/L	grab	Semi-Annually
Nitrate-Nitrogen	mg/L	grab	Semi-Annually
pH	S.U.	grab	Semi-Annually

Semi-Annually means January – June and July - December. If any disposal of wastewater occurs in the semi-annual period, a sample is required to be collected and analyzed.

Samples shall be taken at the line which is used to fill the transport vehicles following agitation of the holding tank.

The results of the analysis shall be submitted to the Secretary by the 15th day of the second month following the date of sampling.

D1. Monitoring Requirements (continued):

The laboratory utilized for analyzing the samples shall demonstrate successful participation in third party proficiency testing recognized by ISO or NELAP for all parameters and shall analyze any check sample provided by the Secretary. Failure to obtain an acceptable result for either the Secretary's check sample or successful third party proficiency testing may be a basis for requiring an alternate analytical laboratory.

D2. Monthly Disposal Report:

On a monthly basis, the permittee shall submit a written report to the Secretary listing the manure pits utilized for disposal, the daily volume in gallons of wastewater discharged to each manure pit and the date the disposal occurred. The report shall be certified and signed by an official of McLure's Honey and Maple Products. The reports shall be submitted by the 15th day of the month following the date of disposal.

D3. Daily Journal:

The permittee shall maintain a bound, daily journal at McLure's Honey and Maple Products for documenting the disposal of wastewater transported to the manure pits. The journal shall have printed, pre-numbered pages. For each load transported to a manure pit, plant personnel shall enter in ink their name (signature), the date, the manure pit utilized for disposal, the time at which the disposal occurred, and the volume disposed of. The facility personnel shall also record any accidental spillage or other incidents that may adversely affect the landowner, adjacent landowners, or other members of the public.

The journal shall be made available for inspection by the Secretary. Upon request of the Secretary, the permittee shall photocopy daily entries for submission to the Secretary.

D4. Other Water Quality Monitoring:

No other water quality monitoring of the system is required under this permit. However, the Secretary reserves the right to require monitoring of the system in accordance with Condition A(7) should operation of the system fail to meet the requirements of Sections C(1) and C(2).

SECTION E - "COMPLIANCE REVIEW"

If the results of any monitoring or reporting indicate that there is a possibility that the Vermont Water Quality Standards may be violated, the Secretary may require monitoring of the ground and surface water. If continued monitoring and analysis indicates that a violation of the wastewater discharge rate, or a violation of the Vermont Water Quality Standards has occurred, is occurring, or is likely to occur, the Secretary may require the permittee to take appropriate corrective actions to eliminate or reduce the possibility of a violation. Such corrective actions may include elimination of farm manure pits from the program.

The issuance of this Indirect Discharge Permit, ID-9-0265, to McLure's Honey and Maple Products, a Division of Dutch Gold Honey, Inc. by the Secretary relies upon the data, designs, judgement and other information supplied by the applicant, the applicant's consultants and other experts who have participated in the preparation of the application. The Secretary makes no assurance that this system will meet the performance objectives of the applicant and no warranties or guarantees are given or implied.

SECTION F - "EFFECTIVE DATE"

This Indirect Discharge Permit, ID-9-0265, issued to McLure's Honey and Maple Product, a Division of Dutch Gold Honey, Inc. for the discharge of wastewater to the manure pits as listed in Attachment A is effective on January 1, 2017.

Alyssa B. Schuren, Commissioner
Department of Environmental Conservation

By Bryan J. Redmond
Bryan Redmond, Director
Drinking Water and Groundwater Protection Division

McLure's Honey and Maple Products
Approved Manure Pit Listing

October, 2016

<u>Owner/Operator</u>	<u>Location</u>	<u>Town/Village</u>	<u>10% Pit Volume (gallons)</u>
Richard Martin	1066 Route 102	Guildhall	35,685
Conan Eaton Auburn Star Farm	Route 2	Lunenburg	86,200
Paul Gingue	Stiles Pond Road	St. Johnsbury	160,000
Donald Simpson	Town Road 41	Sutton	360,000

TOTAL			641,885 gallons

Note: The 10% manure pit volumes indicated above are the maximum volumes for all non-sewage wastes discharged to the manure pit, not just the waste from the permittee.