



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

Winnepesaukee River Basin Program

Franklin WWTP

528 River St. Franklin, NH 03235

(603) 934-4032

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May 24, 2024

John Gay
Casella Waste Systems, Inc.
1855 VT Route 100,
Hyde Park VT 05655

Subject: NCES Leachate – WRBP Acceptance of Loads

John,

Effective **Friday June 7th, 2024**, and until further notice, the Winnepesaukee River Basin Program (WRBP) will only accept two (2) loads per day of NCES Leachate. The WRBP will also be ceasing the acceptance of loads on the weekends.

The reasoning behind this decision is based on the WRBP's new NPDES permit limit for ammonia. Effective July 1st, 2024, the WRBP will have an effluent ammonia limit of 34.5 mg/L. Since this is a concentration-based standard, low flows at the WWTF can exacerbate these concentrations in our effluent. We are expected low flow conditions from June through October.

NCES' discharge can contribute up to 3% of our headworks ammonia loading per load. Below is the most recent in-house ammonia data on WRBP's influent and effluent:

Date	Influent Ammonia (mg/L)	Effluent Ammonia (mg/L)	Influent Flow (MGD)
5/7/24	27.0	27.8	5.249
5/14/24	45.0	28.2	4.587

Commercial Discharge Permit Number 17-18 (CDP 17-18) has been modified to reflect these changes and is attached for your review.

Please let me know if you have any questions. I apologize for any inconvenience this may cause.

Best,

- CONCORD OFFICE -

29 Hazen Drive, P.O. Box 95, Concord, New Hampshire 03302-0095
(603) 271-3504

TDD Access: Relay NH 1-800-735-2964



Nicholas D. Fontaine
Industrial Pretreatment Coordinator
Winnepesaukee River Basin Program

Cc: Sharon McMillin, PhD, Env. Program Administrator, WRBP
Ray Gordon, Administrator, WRBP
Mark Corliss, Chief Operator, WRBP

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WINNIPESAUKEE RIVER BASIN PROGRAM

COMMERCIAL DISCHARGE PERMIT-HAULED

No. 017-18

In accordance with the provisions of the Winnepesaukee River Basin Program Rules, Env-Wq 1200

Casella Waste Systems, Inc.
d/b/a North Country Environmental Services
581 Trudeau Road
Bethlehem, NH 03574

is hereby issued a Commercial Discharge Permit-Hauled for the above identified facility. **Casella Waste Systems, Inc. d/b/a North Country Environmental Services** ("Permittee") is obligated to comply with any or all applicable limitations and conditions outlined in this Winnepesaukee River Basin Commercial Discharge-Hauled Permit ("Permit"). Compliance with this Permit does not relieve the Permittee of its obligation to comply with any or all applicable regulations, standards or requirements under local, State, and Federal laws, including any such regulations, standards, requirements, or laws that may become effective during the term of this Permit. A copy of this permit shall be maintained at the above identified facility.

This Permit shall become effective on **October 2nd, 2019** and remain in effect until terminated in accordance with the Section III of this permit.

By: _____


Nicholas D. Fontaine
Industrial Pretreatment Coordinator
Winnepesaukee River Basin Program
Modified this 24th day of May 2024

NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER DIVISION
WINNIPESAUKEE RIVER BASIN PROGRAM

COMMERCIAL DISCHARGE PERMIT-HAULED
PERMIT No. 017-18

Casella Waste Systems, Inc.
d/b/a North Country Environmental Services
581 Trudeau Road
Bethlehem, NH 03574

John Gay
Authorized Agent for the Company

802-236-5973
Phone Number

I. **DEFINITIONS**

Unless the context specifically and clearly indicates otherwise, the meaning of terms and phrases used in this permit shall be as defined in the Winnepesaukee River Basin Program ("WRBP") Sewer Use Rules ("the Rules").

II. **GENERAL CONDITIONS**

a. **Authorized Discharges** - Any violation of the Permit, the Rules, RSA 485-A, and/or Federal regulations may result in the imposition of civil and/or criminal penalties. Modifications, additions, and/or expansions that increase or decrease the quality and/or quantity of wastewater discharged to the Winnepesaukee River Basin wastewater handling facility shall be cause to revise this Permit to reflect such changes.

b. **Modification and Revocation** [Env-Wq 1206.07] - This Permit may be modified, suspended, or revoked in whole or in part during its term for causes including the following:

1. Violation of any term or condition of this Permit;
2. Obtaining a Permit by misrepresentation or failure to disclose fully all-relevant facts;
3. A change in conditions or the existence of a condition, which requires temporary or permanent reduction, or elimination of the authorized discharge;
4. Promulgation of more stringent standards by state or federal agencies having jurisdiction over receiving waters.
5. In accordance with Env-Wq 1206.06, no change in the Permittee's discharge may be made unless a new Commercial Discharge Permit-Hauled Request application is filed 30 days in advance of such change and is approved by WRBP and a revised Permit has been issued to the Permittee.

c. **Right of Entry** - The Permittee shall permit duly authorized WRBP personnel possessing proper credentials to assess and assure compliance with this permit:

1. To enter at all reasonable hours with or without advance notice upon the Permittee's premises where a permitted process is located or in which any records are required to be kept under the terms and conditions of this Permit. Reasonable hours in the context of inspection include any time the Permittee is operating any permitted process.
2. To have access to and copy any records required to be kept under the terms and conditions of this Permit
3. To inspect any facilities, equipment, practices, or operations permitted under this Permit.
4. To sample or monitor, for the purpose of assuring Permit compliance, any substances or parameters at any location.
5. To inspect any production, manufacturing, fabricating, or storage area where pollutants, could originate, be stored, or be discharged to the sewer system.

d. **Change in Ownership** Permits may be reassigned or transferred to a new owner and/or operator with prior approval of the WRBP. In the event the Permittee undergoes a change in ownership the Permittee shall notify the WRBP 30 days prior to such change. The notice must include a written certification by the

new owner which:

1. States that the new owner has no immediate intent to change the facility's operations and processes.
2. Identifies the specific date on which the transfer is to occur.
3. Acknowledges full responsibility for complying with the existing permit.

Failure to so notify the WRBP of such event shall void this Permit at the option of the WRBP.

e. **Operation of Pretreatment Facilities** [Env-Wq 1205.01(b)] - All pretreatment facilities shall be operated in a manner consistent with the Rules and any applicable Federal, State, or local ordinances, regulations and guidelines. The Permittee shall at all times maintain in good working order, and operate as efficiently as possible, any facilities or systems of controls installed or utilized to achieve compliance with the terms and conditions of this Permit.

f. **CDP Modifications** [Env-Wq 1206.07] - The WRBP reserves the right to modify this Permit in such a manner that it will conform to discharge limitations and requirements that are enacted by Federal or State regulations.

g. **CDP Duration** [Env-Wq 1206.04] - A CDP shall not expire subject to paragraph (h) below

h. **CDP Termination** A CDP shall terminate upon cessation of operations or transfer of ownership, unless notification of such transfer is provided at least 30 days in advance.

i. **Solids Disposal** [Env-Wq 1203.07(d)] - Collected screenings, sludges, and other solids removed in the course of treatment or control of wastewaters shall not be allowed entry into the Winnepesaukee River Basin wastewater handling facility and shall be disposed of in accordance with all applicable local, state, and federal requirements.

j. **General Prohibitions** - The Permittee shall comply with all the general prohibitive discharge standards in accordance with Env-Wq 1203.12 and/or Federal regulations.

III. **PERMIT DISCHARGE DESCRIPTION**

Landfill leachate wastewater will be discharged into the WRBP influent stream via the centrate trench located directly behind the operations building.

The WRBP will accept Two (2) loads per day of roughly 8,500 gallons each. Discharges totaling more than 2 loads/day will violate this permit.

Discharges will be accepted Monday through Friday (excluding state holidays) between 7:15 A.M. and 2:30 P.M. Discharges will no longer be accepted on the weekends.

The WRBP reserves the right to limit or deny delivery if plant conditions change or the leachate becomes

detrimental to plant operations as this volume of leachate may affect plant processes depending on current plant flow and conditions. If there is any change to processes, constituents, or volume of the hauled leachate, that information and/or new analytical shall be provided to the WRBP for review.

Records of hauled volumes, BOD, COD, Ammonia-N, and pH shall be reported to the WRBP monthly, when applicable. The volumes will be used to calculate the amount owed to the WRBP based upon \$0.050/gallon. Cost per gallon is subject to change based on the fee charged by the Concord, NH WWTP and the current rate will be applied at the time of discharge. Invoices will be generated monthly, when applicable.

The Permittee is responsible for the repair, replacement, or restoration of any damage to the WRBP Franklin WWTP facilities and grounds caused by their transporter.

The Permittee shall continue to use a defoamer on each truck to minimize foaming when discharging.

IV. **MONITORING & REPORTING REQUIREMENTS**

- a. Samples and measurements taken as required herein shall be representative of the volume and nature of the discharge.

Parameters ^(*)	Frequency of Monitoring ⁽¹⁾	Sample Type
Volume ⁽²⁾	1/ Load	Record
pH ⁽³⁾	1/ Load	Grab
BOD ₅	1/ Week	Grab
COD	1/ Week	Grab
Ammonia-N	1/ Week	Grab
CBOD ₅	1/ Quarter	Grab
TSS	1/ Quarter	Grab
Cadmium	1/ Quarter	Grab
Lead	1/ Quarter	Grab
Sodium	1/ Quarter	Grab
Nickle	1/ Quarter	Grab
Chromium	1/ Quarter	Grab
Mercury	1/ Quarter	Grab
Chloride	1/ Quarter	Grab
T. Phosphorus	1/ Quarter	Grab
PFAS Analytes	1/ Year	Grab
Total Toxic Organics	1/ Year	Grab

- (1) The WRBP may modify the frequency of sampling based upon the analytical test results performed by the Permittee and/or the WRBP for each parameter.
 - (2) The Permittee shall be responsible for measuring the volume of each load by metering or weight or other means mutually agreed by both parties. Records of volumes discharged shall be recorded in a daily log.
 - (3) pH of each load shall be monitored and recorded in a daily log.
 - (*) For compliance testing, the WRBP will analyze for those parameters listed plus any local limits or other parameters deemed necessary. *Costs for any additional analytical testing performed as a result of this permit shall be borne by the permittee.*
- b. The WRBP has requested that a leachate summary report be submitted quarterly. This report shall be submitted regardless of leachate volume discharged to the WRBP and shall include copies of all analytical testing conducted during the reporting quarter. *Please note this is in addition to the monthly invoice reports as noted in Section III.*

Reporting Quarters for Reports:

Report Due Date:

1st quarter: January 1st - March 31st

May 1st

2nd quarter: April 1st - June 30th

August 1st

3rd quarter: July 1st - September 30th

November 1st

4th quarter: October 1st - December 31st

February 1st

V. PERMIT DISCHARGE LIMITATIONS

Parameters (*)	Maximum Daily	Minimum Daily
Volume ⁽²⁾	20,000 gpd	NA
pH ⁽³⁾	9.5 s.u.	5.5 s.u.
BOD ₅	Report	NA
COD	Report	NA
Ammonia-N	Report	NA
CBOD ₅	Report	NA
TSS	Report	NA
Total Cadmium ⁽¹⁾⁽³⁾	0.03 mg/L	NA
Total Lead ⁽¹⁾⁽³⁾	0.85 mg/L	NA
Total Sodium ⁽¹⁾⁽³⁾	39,000 mg/L	NA
Total Nickel ⁽¹⁾⁽³⁾	1.00 mg/L	NA
Total Chromium ⁽¹⁾⁽³⁾	3.30 mg/L	NA

Total Mercury ⁽³⁾	0.025 mg/L	NA
Chloride ⁽³⁾	9100 mg/L	NA
Total Phosphorus	Report	NA
PFAS Analytes ⁽⁴⁾	Report	NA
Total Toxic Organics ⁽²⁾	5.00 mg/L	NA

Notes:

- (1) All metals to be reported as total recoverable.
- (2) The maximum daily limit for TTO may be revised as deemed necessary to ensure that no fume toxicity conditions exist. The Permittee shall analyze for the full summation of total toxic organics via EPA Method 608 (Pest/PCBs), Method 624, and Method 625.
- (3) Local limit mandated by Env-Wq 1203.12.
- (4) For 40 PFAS Analytes via EPA Method 1633.