

CARIBOU UTILITIES DISTRICT

Hugh A Kirkpatrick
General Manager
Sue Sands
Office Manager
Russell Flourde
Water Operator
Paul Rossignol
Wastewater Operator

WATER & WASTEWATER
PO Box 879 ~ 176 Limestone Street
Caribou ME 04736
(207) 496-0911 ~ (207) 496-0921 fax

TRUSTEES
Janine Murchison PE
President
Nancy Solman
Treasurer
Jay Kamm
David Belyea PE
Philip McDonough

September 10, 2021

To: Abutting Landowners of the Caribou Utilities District Wastewater Treatment Plant
Subject: Relicensing Wastewater Treatment Plant

Dear Sir or Madam:

In accordance with the requirements of the Maine Department of Environmental Protection, the District is notifying abutting landowners of its intent to relicense its wastewater treatment plant.

Enclosed is a copy of the NOTICE OF INTENT TO FILE for your use. If you should have any questions, please do not hesitate to contact us.

Sincerely,

Hugh A. Kirkpatrick

Hugh A Kirkpatrick
General Manager

cc.: file

Legal Notices

NOTICE OF INTENT TO FILE MAINE WASTE DISCHARGE PERMIT APPLICATION

Please take note that, pursuant to 38 MRSA, sections 413 and 414-A, Caribou Utilities District of Caribou, Maine intends to file a wastewater discharge permit application with the Department of Environmental Protection (DEP). The application is for the discharge of 1.71 million gallons per day of treated municipal/industrial wastewater to the Aroostook River in Caribou, Maine. This application includes landfill leachate wastewater piped from Aroostook Waste Solutions landfill and small amounts of trucked in wastewater from various sources delivered to the treatment facilities.

The application will be filed on or about **October 15, 2021** and will be available for public inspection at DEP's Augusta office during normal business hours. A copy may also be seen at the Municipal Office at 25 High Street in Caribou, Maine, or the Caribou Utilities District at 176 Limestone St., Caribou, Maine. This application is for the renewal of the current permit.

A request for public hearing or request that the Board of Environmental Protection assume jurisdiction over this application must be received by the DEP, in writing, no later than 20 days after the application is found to be acceptable for processing, or 30 days from the date of this notice, whichever is longer. Requests shall state the nature of the issue(s) to be raised. Unless otherwise provided by law, a hearing is discretionary and may be held if the Commissioner or the Board finds significant public interest or there is conflicting technical data.

During the time specified above, persons wishing to receive copies of draft permits and supporting documents, when available, may request them from DEP. Persons receiving a draft permit shall have 30 days in which to submit comments or to request a public hearing on the draft.

Public comment will be accepted until a final administrative action is taken to approve, approve with conditions or deny this application. Written public comments or requests for information may be made to: Division of Water Quality Management, Department of Environmental Protection, State House Station #17, Augusta, Maine 04333-0017. Telephone (207) 287-3901.



Maine Department of Environmental Protection
Waste Discharge Permit Application

Publicly Owned Treatment Facilities

This form must be attached to the General Application for a Waste Discharge Permit

Please answer all questions completely, using additional pages as necessary with responses clearly identified by item number on this form.

1. Facility Name: Caribou Utilities District NPDES # ME 0100145

2. Wastewater treatment facilities for normal (or dry weather) flows.

A.) Please show below or attach a line drawing showing all treatment units and important associated or supporting units.

B.) What is the design capacity of treatment facility in MGD?

Monthly Average 1.71 Daily Maximum 3.34 Peak Rate 3.94

3. Wastewater treatment facilities for storm water flows.

A.) Please show below or attach a line drawing with all treatment units or operating practices used for storm water flows above the capacity of the facilities used for normal flows.

B.) What is the design capacity in MGD? Daily maximum NA Peak Rate NA

C.) What is the frequency of high flows? Annually, typically in April

D.) Does the facility have a high flow management plan? Yes
If so, date of last revision November 2018

4. Wastewater collection system.

A.) List below all Combined Sewer Overflow points in the system, even if inactive.

Number	Name	Location	Receiving Water

B.) Describe any significant problems or issues with the collection system that affect the wastewater treatment facility operation or effluent quality.

5. Septage and other wastes received. (See Chapter 555 of the Department's rules.)

A.) Gallons of septage currently authorized. Mon. total _____; Daily maximum 14,000

B.) Gallons of septage requested for future. Mon. total _____; Daily maximum 14,000

C.) Describe current and/or proposed septage receiving and treatment facilities. Please attach the management plan for these facilities, per Chapter 555, Section 6.

Septage leachate: receive up to 30,000 gpd, treat up to 14,000 gpd of pretreated and screened septage leachate from Aroostook Waste Solutions. Raw septage not received.

D.) Are other wastes received by truck or other dedicated conveyance? _____ If so, describe.

Melt water and wash water from holding tanks from rural MDOT garages. Also, small amounts of miscellaneous wastewater or petroleum contaminated water from other sources including DEP directed clean-ups. Raw septage not received.

6. Industrial contributions. Include only process and other non-domestic wastes.

A.) Process wastes from categorical users. See appendix A for a list of categorical industries.

Source	Type of wastes	Pretreated?	Average volume and strength
Auto & Laundries	detergents	grit removal	1,500 gpd, not known
NE Packaging	dyes, inks	no	465 gpd, not known
Merlin One, LLC	boiler blowdown	no	Scheduled for demolition

B.) Other significant (non-categorical) sources of process wastes.

Source	Type of wastes	Pretreated?	Average volume and strength
Cary Medical	domestic	no	27,500 gpd, not known
Caribou Rehab	domestic	no	7,600 gpd, not known
Aroostook Waste Solutions	landfill leachate	no	100,000 gpd max, see Appendix #6

C.) Other miscellaneous wastes such as rinse waters, cooling waters, etc.

Source	Nature of waste	Average volume and strength

7. Effluent toxicity testing

A.) Please list the dates of Whole Effluent Toxicity and Priority Pollutant screening and surveillance tests previously submitted under Chapter 530.5 during the last five years.

Date	Whole Effluent Toxicity done?	Priority Pollutant Scan done?

B.) Please attach the results of additional effluent toxicity testing done but not reported as part of the tests listed above or the requirements of discharge permit limitations.

8. Facility modifications or improvements. Please include reference to plans, studies or reports done in support of these changes as appropriate.

A.) Describe modifications and improvements that have been completed since the previous permit issuance or reissuance.

4,200 dry tons of sludge removed and disposed. New lagoon liners. New aeration equipment. New aeration piping. New blowers with VFD's.

B.) Describe modifications or improvements being planned or under consideration, including proposed implementation schedules.

New back-up generator, SCADA, updated flow monitoring and data collection, chlorine contact expansion, reed bed conversion drying beds, surge pond. Implement by 2026.

9. Facility operations.

A.) Describe significant operational issues, upsets and problems that have been encountered during the past two years.

NA

B.) Describe any proposed changes to the present facility operation.

NA

10. Person completing this form

Name: Hugh A. Kirkpatrick Phone: 207-496-0911

Affiliation: Caribou Utilities District, General Manager Date: 9/13/2021

Appendix A. List of Primary Industrial Categories

Adhesives and sealants	Aluminum forming
Auto and other laundries	Battery manufacturing
Coal mining	Coil coating
Copper forming	Electrical and electronic components
Electroplating	Explosives manufacturing
Foundries	Gum and wood chemicals
Inorganic chemicals manufacturing	Iron and steel manufacturing
Leather tanning and finishing	Mechanical products manufacturing
Nonferrous metals manufacturing	Ore mining
Organic chemicals manufacturing	Paint and ink formulation
Pesticides	Petroleum refining
Pharmaceutical preparations	Photographic equipment and supplies
Plastics processing	Plastic and synthetic materials manufacturing
Porcelain enameling	Printing and publishing
Pulp and paper mills	Rubber processing
Soap and detergent manufacturing	Steam electric power plants
Textile mills	Timber products processing