

National Pollution Discharge Elimination System Factsheet

SECTION 1 FACILITY SUMMARY

APPLICANT PERMIT NO.	Hytone Farm, LLC CT
APPLICATION NO.	202202022
DATE APPLICATION RECEIVED	March 1, 2022
LOCATION ADDRESS	2047 Boston Turnpike Coventry, CT 06277
FACILITY CONTACT	Greg Peracchio Office Phone: (860) 742-6745 Email: rocks631@hotmail.com
MAILING ADDRESS	2047 Boston Turnpike Coventry, CT 06277
DMR CONTACT	Greg Peracchio Office Phone: (860) 742-6745 Email: rocks631@hotmail.com
SECRETARY OF STATE BUSINESS ID	0805795
PERMIT TERM	5 Years
PERMIT CATEGORY	Minor NPDES
SIC & NAICS CODE(S)	0241
APPLICABLE EFFLUENT GUIDELINES	N/A
PERMIT TYPE	New Issuance
OWNERSHIP	Private
RECEIVING WATERS	Ash Brook, Baker Brook, Blackledge River, Bolton Pond Brook, Conantville Brook, Coventry Brook, Fenton River, French Brook, Hemlock Brook, Hop River, Knowlton Brook, Lipps Brook, Lowry Brook, Massinger Brook, Mitterholtzer Brook, Olsons Brook, Post Brook, Reed Brook, Skungamaug River, Straddle Brook, Tankerhoosen River, Tunnell Brook and Willimantic River

COMPLIANCE ACTIONS N/A

DEEP STAFF ENGINEER Emily Marshall, Emily.marshall@ct.gov, (860) 424-3858

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1.1 PERMIT FEES

Application Filing Fee: \$1,800.00 (Paid on March 2, 2022)

Application Processing Fee:

Annual Fee:

	WASTEWATER CATEGORY (per RCSA sec. 22a-430-7)	FLOW CATEGORY	DSN	ANNUAL FEE (per RCSA sec. 22a-430-7 and CGS sec. 22a-6f)
	<i>Agricultural Activities</i>	Agricultural wastewater	N/A	\$660.00
TOTAL				\$660.00

1.2 OTHER PERMITS

Applicant has a permit to Construct and Operate a Volume Reduction Plant (03201402-PCO) issued by DEEP’s Waste Engineering and Enforcement Division. The permit, issued on October 20, 2023, allows for the construction and operation of the onsite anaerobic digester.

Applicant has a Stormwater Construction Activities General Permit (GSN003719). This permit was issued on July 26, 2021, for the construction of the anaerobic digester.

1.3 APPLICATION SUBMITTAL INFORMATION

On March 1, 2022, the Department of Energy and Environmental Protection (“DEEP”) received an application (Application 202202022) from Hytone Farm, LLC (“Permittee”, “Applicant”) in Coventry for the issuance of its NPDES permit. Consistent with the requirements of section 22a-6g of the Connecticut General Statutes (“CGS”), the applicant published a Notice of Permit Application to the Hartford Courant on May 14, 2024.

1.4 COMPLIANCE HISTORY

There were no effluent violations in the last 5 years.

Is the Permittee subject to an ongoing enforcement action? Yes No

Did the previous permit have a compliance schedule? Yes No

1.5 DESCRIPTION OF INDUSTRIAL PROCESS AND TREATMENT SYSTEM

Hytone Farm is a business that produces milk from milking cows, crops for feed, and energy from the onsite agricultural digester which is transferred to the natural gas pipeline.

The manure stream at Farmstead 1, including milkhouse waste, will pass through a separator unit where sand will be separated to be recycled as bedding. The separated sand will be stored under roof cover on a 50ft x 50ft stacking pad. The manure stream will be directed to mixing tanks where it will be combined with the food waste. The mix of food waste and manure will enter the 904,000 gallon anaerobic digester. Once the digestion process is complete the post digested liquid will be stored in the 5,957,000 gallon circular concrete manure storage tank. There will be provisions in place for manure to bypass the anaerobic digester to the manure storage tank as approved in Solid Waste permit no. 03201402-PCO.

At Farmstead 2 the manure is scraped and stored in an existing 526,000 gallon concrete lined manure storage lagoon ("Heifer Lagoon").

1.6 FACILITY DESCRIPTION

Hytone Farms consists of two Farmsteads that collectively are the production area of the CAFO. Farmstead 1 consists of the Milking Barn, New Barn (majority of the milking herd), Old Barn, Silver Barn, Fresh Barn (mainly dry/refreshing cows) and the Calf Barn (houses calves from 0-4 months of age) and has 360 Holstein milk cows with 50 dry/refreshing cows and 60 calves.

Hytone is currently diverting low flow silage leachate via a sloped concrete silage pad to a drain leading to a 12,000 gallon below ground tank. This tank is pumped out as needed to the underground manure pit that feeds the anaerobic digester. The high flow silage leachate is collected in storm drains that drain to the high flow lagoon. There is a second lagoon that contains overflow from the high flow lagoon through a low point connection between the lagoons. The roof runoff at the facility is directed to the clean water lagoons on site. There are three smaller concrete bays that contain haylage. These do not currently have a low flow collection system. The high flow that comes in contact with the haylage piles is directed to the high flow lagoon.

Hytone has planned to complete stormwater management of high flow and low flow by 2026.

Farmstead 2 is a rented property that houses 150 weaned calves and 150 heifers. Silage Storage at Farmstead 2 will be re-located to Farmstead 1 which consists of a pad, leachate collection system and stormwater management for 25-year/24-hour storm event.

1.7 GENERAL ISSUES RELATED TO THE APPLICATION

1.7.1 Federally Recognized Indian Land

As provided in the permit application, the site is not located on federally-recognized Indian land.

1.7.2 Coastal Area/Coastal Boundary

The activity is not located within a coastal boundary as defined in CGS 22a-94(b).

1.7.3 Endangered Species

As provided in the permit application, the operation is located on a site with endangered or threatened species. On February 15, 2022, DEEP sent a letter to Hytone Farm, LLC that states the DEEP reviewed the Natural Diversity Database maps and proposed construction of a new dairy manure handling system and did not anticipate any negative impacts to State-listed species.

1.7.4 Aquifer Protection Areas

As provided in the permit application, the site is not located within a protected area identified on a Level A or B map.

1.7.5 Conservation or Preservation Restriction

As provided in the permit application, the property is not subject to a conservation or preservation restriction.

SECTION 2 RECEIVING WATER BODY INFORMATION

The following are a list of waterbodies that would be impacted should there be a 25-year 24-hour storm event:

Ash Brook, Baker Brook, Blackledge River, Bolton Pond Brook, Conantville Brook, Coventry Brook, Fenton River, French Brook, Hemlock Brook, Hop River, Knowlton Brook, Lipps Brook, Lowry Brook, Massinger Brook, Mitterholtzer Brook, Olsons Brook, Post Brook, Reed Brook, Skungamaug River, Straddle Brook, Tankerhoosen River, Tunnell Brook and Willimantic River. Refer to the CNMP for maps and additional information site specific information.

Conantville Brook is listed on the State's 305(b) list of impaired water and is impaired for its designated use of recreation. [final-2022-iwqr-appendix-a-1-connecticut-305b-assessment-results-for-rivers-and-streams.pdf](#)

The cause of impairment are the presence of Escherichia coli (E. coli) for recreation. [final-2022-iwqr-appendix-b-1-list-of-impaired-waters-for-connecticut-epa-category-5.pdf](#)

SECTION 3 PERMIT CONDITIONS

3.1 TREATMENT CONTROLS AND BEST MANAGMENT PRACTICES

Animal numbers and discharge would classify Hytone's farm operations as a medium size Concentrated Animal Feeding Operation (Medium CAFO). The Medium CAFO category for mature dairy cows is between 200-699 mature dairy cows. A Medium CAFO is required to implement and maintain treatment controls and stormwater management measures based on the Department's Best Professional Judgement. These required treatment controls and BMPs include employing lined/covered manure storage facilities, proper stormwater handling in production areas and others areas where agricultural wastes and agricultural wastewaters are generated and managed, and a nutrient management program for appropriate land application of nutrients. Agricultural stormwater discharges are not subject to regulation. Agricultural

stormwater discharges are precipitation-related discharges from a land application area where agricultural waste or agricultural wastewater has been applied in accordance with a nutrient management plan as required by the permit.

3.2 PERMIT CONDITIONS

There shall be no discharge of agricultural waste, digestate or agricultural wastewater into the waters of the state from the production areas except as provided in the Permittee's Comprehensive Nutrient Management Plan received March 1, 2022, which is hereby approved (collectively "CNMP"), as amended.

There shall be no discharge from the post anaerobic digester concrete manure storage unless it is in compliance with the CNMP.

Agricultural Stormwater Discharge Exemption: Stormwater discharges from land application areas meeting the definition of agricultural stormwater discharge, i.e., a precipitation-related discharge from a land application area, where agricultural wastes and/or agricultural wastewater have been applied in accordance with a site-specific nutrient management plan, are exempt from the requirements of this general permit.

The Permittee shall adhere to the requirements of 40 CFR 122.42(e) that include, at a minimum, requirement to implement a nutrient management plan, recordkeeping requirements, requirements relating to transfer of manure or process wastewater to other persons, annual reporting requirements for CAFOs, terms of the nutrient management plan, and changes to a nutrient management plan.

3.3 COMPLIANCE SCHEDULE

The permit has a compliance schedule that follows the requirements found under 40 CFR 122.47 and RSCA section 22a-430-4(1)(3).

Does the Permit contain a compliance schedule? Yes No

3.4 ANTIDegradation

Such activity is consistent with the Antidegradation Standards of section 22a-426 of the RCSA.

3.5 E-REPORTING

The permittee is required to electronically submit documents in accordance with 40 CFR Part 127.

SECTION 4 PUBLIC PARTICIPATION PROCEDURES

4.1 INFORMATION REQUESTS

The application has been assigned the following numbers by DEEP. Please use these numbers when corresponding with this office regarding this application.

APPLICATION NO. 202202022

PERMIT ID NO.

CT0030818

Interested persons may obtain copies of the application from Emily Marshall at Emily.marshall@ct.gov

The application is available for inspection by contacting Emily Marshall at emily.marshall@ct.gov, at the Department of Energy and Environmental Protection, Bureau of Materials Management and Compliance Assurance, 79 Elm Street, Hartford, CT 06106-5127 from 8:30am - 4 :30pm, Monday through Friday.

Any interested person may request in writing that his or her name be put on a mailing list to receive notice of intent to issue any permit to discharge to the surface waters of the state. Such request may be for the entire state or any geographic area of the state and shall clearly state in writing the name and mailing address of the interested person and the area for which notices are requested.

4.2 PUBLIC COMMENT

Prior to making a final decision to approve or deny any application, the Commissioner shall consider written comments on the application from interested persons that are received within 30 days of this public notice. Written comments should be directed to Emily Marshall, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127 or emily.marshall@ct.gov. The Commissioner may hold a public hearing prior to approving or denying an application if in the Commissioner's discretion the public interest will be best served thereby, and shall hold a hearing upon receipt of a petition signed by at least twenty five persons. Notice of any public hearing shall be published at least 30 days prior to the hearing.

Petitions for a hearing should include the application number noted above and also identify a contact person to receive notifications. Petitions may also identify a person who is authorized to engage in discussions regarding the application and, if resolution is reached, withdraw the petition. Original signed petitions may be scanned and sent electronically to deep.adjudications@ct.gov or may be mailed or delivered to: DEEP Office of Adjudications, 79 Elm Street, 3rd floor, Hartford, 06106-5127. All petitions must be received within the comment period noted above. If submitted electronically, original signed petitions must also be mailed or delivered to the address above within ten days of electronic submittal. If a hearing is held, timely notice of such hearing will be published in a newspaper of general circulation. For additional information go to www.ct.gov/deep/adjudications.

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). If you are seeking a communication aid or service, have

limited proficiency in English, wish to file an ADA or Title VI discrimination complaint, or require some other accommodation, including equipment to facilitate virtual participation, please contact the DEEP Office of Diversity and Equity at 860-418-5910 or by email at deep.accommodations@ct.gov. Any person needing an accommodation for hearing impairment may call the State of Connecticut relay number - 711. In order to facilitate efforts to provide accommodation, please request all accommodations as soon as possible following notice of any agency hearing, meeting, program, or event.

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