

PRETREATMENT PERMIT MODIFICATION
issued to

Natural Country Farms, Inc.
58 West Road
Ellington, Connecticut 06029

Location Address:

58 West Road
Ellington, Connecticut 06029

Facility ID: **048-002**

Permit ID: **SP0002418**

Permit Modification Expires: **September 17, 2013**

This permit modification is issued in accordance with Section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), Section 22a-430-4(p)(5) of the Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, a modified Memorandum of Agreement (MOA) dated June 3, 1981, by the Administrator of the United States Environmental Protection Agency which authorizes the State of Connecticut to administer a Pretreatment Program pursuant to 40 CFR Part 403.

The Commissioner of Energy and Environmental Protection ("the Commissioner") has made a final determination on this permit modification and found that the continuance of the existing system to treat the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on Application No. 201207135 for permit modification received on November 16, 2012 and the administrative record established in the processing of that application.

NATURAL COUNTRY FARMS, INC. ("Permittee") shall comply with all conditions of Permit No. SP0002418 issued on September 18, 2008 with the following modifications:

1. Two new wastestreams (i.e., "Hach Analyzer Water" and "Carbon Filter Backwash") have been added to the list of wastestreams authorized by this permit. Table A has been modified accordingly. As a result of the addition of these wastestreams, the monitoring frequency for "Total Residual Chlorine" has been changed from "Quarterly" to "Monthly". Table A is hereby revised and superseded and attached hereto.

2. The average monthly flow limit for DSN 201-1 has been increased from 75,000 gpd to 95,000 gpd and the maximum daily flow limit for DSN 201-1 has been increased from 95,000 gpd to 120,000 gpd. Table A is hereby revised and superseded and attached hereto.

3. Three additional changes were made to Table A for clarification/consistency purposes only: 1) The parameter names for average monthly flow, maximum daily flow, and pH have been changed in the DMR tracking system; the modified names in Table A reflect the new parameter names; 2) The parameter "Biological Oxygen Demand" has been changed to "Biochemical Oxygen Demand" to reflect the correct name of the parameter. Table A is hereby revised and superseded and attached hereto.

4. Paragraph 5 of the permit is hereby modified to include the following additional requirement for NetDMR reporting. Paragraph 5(F)[new] shall read as follows:

(F) NetDMR Reporting Requirements

1. Prior to one-hundred and eighty (180) days after the issuance of this permit, the Permittee may either submit monitoring data and other reports to the Department in hard copy form or electronically using NetDMR, a web-based tool that allows Permittees to electronically submit discharge monitoring reports (DMRs) and other required reports through a secure internet connection. Unless otherwise approved in writing by the Commissioner, no later than one-hundred and eighty (180) days after the issuance of this permit the Permittee shall begin reporting electronically using NetDMR. Specific requirements regarding subscription to

NetDMR and submittal of data and reports in hard copy form and for submittals using NetDMR are described below:

a. Submittal of *NetDMR Subscriber Agreement*

On or before fifteen (15) days after the issuance of this permit, the Permittee and/or the person authorized to sign the Permittee's discharge monitoring reports ("Signatory Authority") as described in RCSA Section 22a-430-3(b)(2) shall contact the Department at deep.netdmr@ct.gov and initiate the NetDMR subscription process for electronic submission of Discharge Monitoring Report (DMR) information. Information on NetDMR is available on the Department's website at www.ct.gov/deep/netdmr. On or before ninety (90) days after issuance of this permit the Permittee shall submit a signed and notarized copy of the *Connecticut DEEP NetDMR Subscriber Agreement* to the Department.

b. Submittal of Reports Using NetDMR

Unless otherwise approved by the Commissioner, on or before one-hundred and eighty (180) days after issuance of this permit, the Permittee and/or the Signatory Authority shall electronically submit DMRs and reports required under this permit to the Department using NetDMR in satisfaction of the DMR submission requirement of Section 5(C) of this permit.

DMRs shall be submitted electronically to the Department no later than the 30th day of the month following the completed reporting period. All reports required under the permit, including any monitoring conducted more frequently than monthly or any additional monitoring conducted in accordance with 40 CFR 136, shall be submitted to the Department as an electronic attachment to the DMR in NetDMR. Once a Permittee begins submitting reports using NetDMR, it will no longer be required to submit hard copies of DMRs or other reports to the Department. The Permittee shall also electronically file any written report of non-compliance described in Section 6 of this permit as an attachment in NetDMR. NetDMR is accessed from: <http://www.epa.gov/netdmr>.

c. Submittal of NetDMR Opt-Out Requests

If the Permittee is able to demonstrate a reasonable basis, such as technical or administrative infeasibility, that precludes the use of NetDMR for electronically submitting DMRs and reports, the Commissioner may approve the submission of DMRs and other required reports in hard copy form ("opt-out request"). Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date a Permittee would be required under this permit to begin filing DMRs and other reports using NetDMR. This demonstration shall be valid for twelve (12) months from the date of the Department's approval and shall thereupon expire. At such time, DMRs and reports shall be submitted electronically to the Department using NetDMR unless the Permittee submits a renewed opt-out request and such request is approved by the Department.

All opt-out requests and requests for the NetDMR subscriber form should be sent to the following address or by email at deep.netdmr@ct.gov:

Attn: NetDMR Coordinator
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

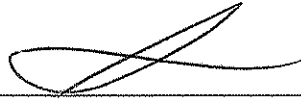
The Commissioner hereby authorizes the Permittee to discharge in accordance with the provisions of this permit modification, Permit No. SP0002418, the above-referenced application, and all approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with, this permit.

The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Clean Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified under this paragraph may also contain any other requirements of the Clean Water Act or Connecticut General Statutes or regulations adopted thereunder which are then applicable.

All other terms and conditions of Permit No. SP0002418 issued on September 18, 2008 shall continue in full force and effect.

This modification is hereby issued on

2/5/2013



MACKY MCCLEARY, Deputy Commissioner

MM:CMG

Permit No. SP0002418

copy: Town of Vernon WPCF
Town of Ellington WPCA

Table A

Discharge Serial Number: 201-1

Monitoring Location: 1

Wastewater Description: Clean-in-place wastewaters, track lube wastewaters, wastewaters from general area washdown and sanitizing, tanker bay washdown wastewater, compactor pad wastewaters including area stormwater, piping disinfection wastewater, water softener regeneration wastewater, sand filter backwash, cooling water, non-contact cooling water, air compressor condensate, cooling unit condensate, drum rinsing wastewater, ammonia system air purge wastewater, laboratory wastewater from the agar plating area, **Hach Analyzer Water, and Carbon Filter Backwash**

Monitoring Location Description: Discharge line after the pH adjustment tank

Discharge is to: The Town of Vernon Water Pollution Control Facility (via Town of Ellington's system)

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING		
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Frequency ²	Sample Type or Measurement to be reported	Instantaneous limit or required range	Sample/ Reporting Frequency ²	Sample Type or measurement to be reported
Ammonia (as Nitrogen)	mg/l	NA	---	Quarterly	Daily Composite	NA	NR	NA
Biochemical Oxygen Demand (5 day)	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA
Chemical Oxygen Demand	mg/l	NA	---	Quarterly	Daily Composite	NA	NR	NA
Chlorine, Total Residual	mg/l	NA	NA	NR	NA	---	Monthly	Grab
Copper, Total	mg/l	NA	---	Annual	Daily Composite	NA	NR	NA
Flow Rate, Average Daily¹	gpd	95,000	NA	Continuous/ Monthly	Daily Flow	NA	NR	NA
Flow, Maximum during 24-hr period¹	gpd	NA	120,000	Continuous/ Monthly	Daily Flow	NA	NR	NA
Flow, Day of Sampling	gpd	NA	120,000	Monthly	Daily Flow	NA	NR	NA
Lead, Total	mg/l	NA	---	Annual	Daily Composite	NA	NR	NA
Oil and Grease, Total	mg/l	NA	NA	NR	NA	100	Quarterly	Grab
Oil Petroleum, Total Recoverable (Oil and Grease, Hydrocarbon Fraction)	mg/l	NA	NA	NR	NA	---	Quarterly	Grab
pH, Day of Sampling	S.U.	NA	NA	NR	NA	6.0-10.0	Monthly	Range During Sampling
pH, Minimum	S.U.	NA	NA	NR	NA	6.0	Continuous	Minimum
pH, Maximum	S.U.	NA	NA	NR	NA	10.0	Continuous	Maximum
Total Suspended Solids	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA
Zinc, Total	mg/l	NA	---	Annual	Daily Composite	NA	NR	NA

Footnotes:

¹ For this parameter the Permittee shall maintain at the facility a record of the Total Daily Flow for each day of discharge and shall report the Average Daily Flow and the Maximum Daily Flow for each month.

² The first entry in this column is the 'Sample Frequency'. If this entry is not followed by a 'Reporting Frequency' and the 'Sample Frequency' is more frequent than monthly then the 'Reporting Frequency' is monthly. If the 'Sample frequency' is specified as monthly, or less frequent, then the 'Reporting Frequency' is the same as the 'Sample Frequency'.

Remarks:

1. The wastewater discharged via DSN 201 also includes boiler blowdown, but this is being covered by the *General Permit for the Discharge of Minor Boiler Blowdown*.
2. Sampling for ammonia shall be coordinated to when the source water (i.e., the ammonia system air purge wastewater) is being discharged into the treatment system.
3. Analysis for total residual chlorine shall occur within 15 minutes of sample collection.

FACT SHEET
SPDES PERMIT MODIFICATION

APPLICANT	<i>NATURAL COUNTRY FARMS, INC.</i>
SPDES PERMIT NO.	<i>SP0002418</i>
APPLICATION NO.	<i>201207135</i>
DATE APPLICATION RECEIVED	<i>November 16, 2012</i>
FACILITY ID.	<i>048-002</i>
LOCATION ADDRESS	<i>58 West Road Ellington, Connecticut 06029</i>
FACILITY CONTACT	<i>Charles McDaniel (860-872-8346) MMcDaniel@juice4u.com</i>
MAILING ADDRESS	<i>58 West Road Ellington, Connecticut 06029</i>
PERMIT TERM	<i>5 years (September 18, 2008 - September 17, 2013)</i>
PERMIT CATEGORY	<i>SPDES Major</i>
PERMIT TYPE	<i>Modification</i>
OWNERSHIP	<i>Private</i>
POTW THAT RECEIVES THE DISCHARGE	<i>Town of Vernon Water Pollution Control Facility via Ellington</i>
DEP STAFF ENGINEER	<i>Christine Gleason (860/424-3278) christine.gleason@ct.gov</i>

FEES

Application Fee for Modification: \$940. Paid on November 16, 2012.

Processing Fee for Modification: \$622.50. Paid on January 29, 2013.

I. PROPOSED MODIFICATION

Natural Country Farms, Inc. ("NCF") is seeking a modification of its SPDES permit, SP0002418, for the discharge of pre-treated wastewater into the Town of Vernon's Water Pollution Control Facility via the Town of Ellington's collection system. The applicant requests the following: 1) modification of the permit to include authorization for two new wastestreams; 2) modification of the permit to include an increased average monthly flow and an increased maximum daily flow. The application for permit modification has been assigned the following number: 201207135.

II. BACKGROUND

The modification is being sought due to the following:

- NCF is proposing to install a new high purity point-of-entry water treatment system. The new system will include filtration, chlorination, a carbon tower dechlorination system, and an ultraviolet light disinfection system. The system will be located in the existing Truck Bay area on the north side of the plant. This system will generate two new wastewaters which are intended to

be directed for treatment into the on-site wastewater treatment system, the "Hach Analyzer Water" and the "Carbon Filter Backwash". These wastestreams will be directed into the treatment system via Pump Station #1, which has adequate hydraulic capacity for the additional wastestreams. No significant adjustments to the wastewater treatment system are expected to be necessary as a result of the addition of these new wastestreams. The proposed additional flow from these wastestreams is expected to be as follows: Hach Analyzer Water (2,880 gallons per day, average monthly; 5,400 gallons per day, maximum daily); Carbon Filter Backwash (twice per week backwashing generating 4,800 gallons in a 12-minute period). Based on the representations made in the application for permit modification, the permit has been modified to include these two new wastestreams. As a result of the operation of the new system, it is recommended that the monitoring frequency for Total Residual Chlorine be increased from quarterly to monthly.

- NCF is proposing to increase its average monthly flow and maximum daily flow. The increase is necessary due to increased production operations from expanded business opportunities. NCF has received authorization from the Town of Ellington's Water Pollution Control Authority by way of a letter dated November 27, 2012 (attached) authorizing an additional flow increase of 25,000 gallons per day. Therefore, the average monthly permitted flow limit will be increased from 75,000 gallons per day to 95,000 gallons per day and the maximum daily permitted flow limit will be increased from 95,000 gallons per day to 120,000 gallons per day.

III. ISSUES RELATED TO THE MODIFICATION

	YES	NO	N/A	
Does the proposed modification involve a:				
Facility expansion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Production increase?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Process modification?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If yes, the applicant must comply with RCSA 22a-430-3(o) and (p).				
If yes, does the facility expansion, production increase or process modification result in a discharge of any new water, substance or material or increase the quantity or concentration of an existing pollutant beyond permit conditions or may constitute a new source?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Any concerns regarding:				
Endangered or Threatened Species	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coastal Management Consistency	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Aquifer Protection Areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Federally-recognized Indian land	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Conservation or Preservation Restriction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are the effluent limits, permit conditions, or standards less stringent than the existing permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If yes, has the permittee provided just cause in order to allow relaxation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flow increase authorization letter from Ellington (Nov 27, 2012)
Is antibacksliding an issue?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
The establishment of less stringent limits is allowed where there has been material and substantial alterations or additions to a permitted facility which justify this relaxation				
Are all antidegradation provisions satisfied?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	