



Maine Department of Environmental Protection  
General Application for WDL/MEPDES Permit  
Form DEPLW0105-B2003  
Revised December 23, 2008

Maine Department of Environmental Protection

**General Application for  
Waste Discharge License (WDL)/  
Maine Pollutant Discharge Elimination System (MEPDES) Permit**

Regulatory requirements for the preparation and filing of applications may be found in Chapters 2, 521 and 522 of the Department's rules.

**GENERAL INSTRUCTIONS**

1. This general form is to be used to make application for the discharge of pollutants to the surface waters of the State, from all sources except from privately owned discharges subject to the Over Board Discharge Program requirements and for a combination Concentrated Animal Feeding Operation/Livestock operating Permit.
2. Applicants are responsible for publishing public notice of their application at the time it is filed with the Department. See pages 7 and 8.
3. For a proposed new discharge of wastewater of more than 25,000 gallons per day or a project involving licenses from more than two bureaus in DEP, and applicant must conduct a public informational meeting before submitting an application. See page 7.
4. In some circumstances an applicant must have a pre-application or pre-submission meeting with the Department prior to filing of an application. See page 9.
5. At the time an application is filed with the Department, a copy must be provided to the municipal office and notice provided to all abutters by certified mail. See page 7.
6. Application fees must be paid at the time an application for a new discharge or permit is filed. Contact the Department for additional information and calculation of the fee amount. For existing discharges, fees are charged on an annual basis and application fees are not required with an application for permit renewal.
7. Attach additional sheets as necessary in answering specific questions. Be sure to number each sheet to identify the question to which it pertains.
8. Failure to fully complete all required forms or to pay necessary application fees will result in the application being returned.
9. After completing the application, submit 2 copies to:

Maine Department of Environmental Protection  
Bureau of Land and Water Quality  
Division of Water Quality Management  
17 State House Station  
Augusta, ME 04333-0017

10. Please read the entire application form before furnishing any information. If you need any assistance in filing out the form or required attachments, please contact the Department at the above address or by calling (207) 287-3901.

Assigned Project Manager:

Date: Aug 2 2017



ELECTRONICALLY SIGNED DECISIONS

8. Electronically signed decision options. To expedite processing of applications and reduce paper usage, all final decisions on an application will be electronically signed by the Commissioner (or his/her designee) and will be sent to the respective e-mail addresses provided for the Applicant and the Cognizant Official listed on this application, unless the "opt out" signature block is signed below.

*I hereby decline to receive an electronically signed decision on the WDL/MEPDES permit via e-mail and choose to receive manually signed (hand written) decision via regular (U.S. Postal) mail.*

Sign to DECLINE only

(Applicant): \_\_\_\_\_ Date: \_\_\_\_\_

SUPPORTING MATERIALS AND REQUIRED ATTACHMENTS

9. For new and transfer applications only from privately-owned facilities, include:
- A Certificate of Good Standing issued by the Maine Secretary of State.
  - A Proof of Title, Right or Interest (TRI) in the property on which the treatment system and outfall pipes and structures are or will be located. See Chapter 2 of the Department's rules for TRI criteria.
10. For transfer applications only, answer the following then skip to the Certification on page 6.
- A. Name of current/former owner:
  - B. Describe any planned changes in the current discharge:
  - C. Provide a statement describing the technical and financial capacity to comply with the current permit conditions and applicable laws and rules.
11. Unless submitted previously and there have been no changes, provide a topographic map (or other map if a topographic map is unavailable) extending one mile beyond the property boundaries of the source, depicting the facility and each of its intake and discharge structures (showing latitude and longitude to the nearest 15 seconds), each of its hazardous waste treatment, storage, or disposal facilities; each well where fluids from the facility are injected underground; and those wells, springs, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant in the map area.
11. If modification of an existing permit is being requested, attach a statement describing the nature of the modification and the reasons or circumstances necessitating the change. Include any relevant modified process flow schematics available.

13. Attachments for specific activities and circumstances. For each specific question, check 'Yes' or 'No' to indicate if the statement is applicable to a discharge or activity described in this application. Where 'Yes' is checked, attach the applicable form.

Specific Question	Yes	No	Applicable Form
A. Is this facility a public owned treatment works treating sanitary wastewaters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Publicly Owned Treatment Facilities (DEPLW0106)
B. Does this application seek authorization to introduce septage into treatment works?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Disposal of Septage and Holding Tank Wastes in Wastewater Treatment Facility (DEPLW0507-A2004)
C. Is this application for a subsurface wastewater disposal system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Application for Subsurface Wastewater Disposal System. (DEPLW0313-B2005)
D. Is this application for a land surface (including spray irrigation) wastewater disposal system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DEP Form: Application for Surface Wastewater Disposal System (DEPLW0450-B2005)
E. Is this a food processing facility or POTW that treats food processing wastewaters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Food Processing Facilities (DEPLW1999-19)
F. Is this an Existing discharge of industrial process wastewater:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form: 2C
G. Is this to be a new discharge of industrial process wastewater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form 2D
H. Is this a discharge of non-contact cooling water?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form 2E
I. Is this discharge of storm water associated with an industrial activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form 2F
J. Is this a discharge of non-process wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	EPA Form 2E
K. Is this application for an Atlantic Salmon net pen facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA DEP Form: Supplemental Information for Atlantic Salmon Aquaculture Net Pen (for Individual Permit) (DEPLW0956)
L. Is this a fish hatchery or rearing facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Fish Rearing Facilities (DEPLW1999-18)
M. Is this an application for the use of aquatic pesticides?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Aquatic Pesticides (DEPLW-141-A99)
N. Does this application involve a new or modified outfall structure?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Outfall Information (DEPLW1999-17)
O. Is this application for a waste snow dump?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Supplemental Information for snow Dumps (DEPLW0249)

OUTFALL AND TREATMENT INFORMATION

Use attachments as necessary to provide details for each discharge point and treatment system.

14. Outfall Number/Name	Description	Volume Discharged	Receiving Water
Process water	Treated	175000 gal week	N/A

If any of the above-listed discharges (other than CSOs) are intermittent or seasonal, please describe the nature, circumstances and duration of each.

15. Briefly describe current treatment facilities or methods for each discharge.  
Spray irrigation system. Please see attached drawings, engineering study, and related paper work
16. If this is a renewal application, please describe all significant modifications to the treatment facilities (and collection system if applicable) since the last permit application was filed.
17. Are new or expanded treatment facilities or outfall structures being proposed?  
 Yes  No  
If yes, please include a construction schedule. Plans and specifications must be submitted to the Department for review and approval prior to construction of the facilities.
18. If this application is for a new or increased discharge, include a statement that:
- A. Describes in detail the nature of and reason for the requested increase in pollutant loading to the receiving water;
  - B. If the Department determines that the discharge will diminish the remaining assimilative capacity of the receiving water, demonstrates that alternative methods to reduce or eliminate the increased discharge are not feasible. Include engineering and economic analyses that consider alternative methods of production, process controls, wastewater minimization methods, improved wastewater treatment methods and alternate disposal sites; and
  - C. If the Department determines that the discharge will diminish the remaining assimilative capacity of the receiving water, demonstrates that the increased pollutant load will result in important social and economic benefits to the State.

CERTIFICATION


I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Additionally, by signing below, I certify that


- (1) Notice of this application has been made by publication in Kennebec Journal newspaper circulated in the area where the project site is located on or about August 1, 2017 (a copy of advertising form is included in this application); (2) notice has been sent by certified mail or Certificate of mailing to owners of land abutting the discharge site (a copy of the list of abutters is included in this application); and (3) notice and a copy of this application have been provided to the clerk of the municipality(ies) where the discharge is located. (4) Further, if this is a new discharge over 25,000 gallons per day, a public meeting attended by approximately N/A members of the public was held on N/A.

The forgoing steps have been taken in accordance with the instructions attached to this application and the provisions of Chapters 2 and 522 of the Department's rules.

By:

Signature:  Date: Aug 2 2017  
Printed Name: Ralph Howe Telephone: 207-930-5247  
Title: President

Assisting parties. If the applicant has been assisted in preparing this application, the person assisting must sign below.

Signature:  Date: 8/2/17  
Printed Name: Linda Howe Telephone: 207-323-0679  
Affiliation: Vice President  
Address: 168 Dirigo Rd  
Town: S. China State: ME Zip 04358  
Professional Certification: n/a

See following pages for requirements on public notice, public meeting, pre-applications meetings and pre-submission meetings.

**Instructions for providing notices of the application.** For all applications, the first 3 items must be completed. If the application is for a new discharge, you must also complete item 4.

1. *Publication of Public Notice.* Applicants for waste discharge permits are required to publish a public notice that the application is being filed with the Department of Environmental Protection. The notice must be published within 30 days prior to the application being sent to the weekly newspaper having general circulation in the area where the discharge will occur. If the public notice is not published at the proper time or if the application is returned because it is incomplete, you may be asked to have the notice published a second time.

Using the form on the next page, fill in the blanks with the appropriate information. Strike out all of the items (CSO, multiple discharge sources, etc.) in the second paragraph that do not apply to your discharge. The form may then be sent to the newspaper that is to publish the notice. Additionally, include a copy of the form with the application filed with the Department.

2. *Notice to Abutters.* Applicants are also required to send a copy of the public notice by certified mail or Certificate of Mailing to all abutting property owners within 30 days prior to the application being filed with the Department. For the purposes of public notice of this application, an “abutter” is any person who owns property that is both (1) adjoining and (2) within 1 mile of the delineated project boundary, including owners of property directly across a public or private right of way. Additionally, include a copy of the form with the application filed with the Department.
3. *Notice to Municipal Office.* Applicants are required to send a copy of the public notice by certified mail to the town or city clerk of each municipality where the discharge is located within 30 days prior to the application being filed with the Department. Applicants must also file a duplicate copy of the application with each municipality.
4. *Public Meeting.* Where the application is for a new discharge of greater than 25,000 gallons per day, you must hold a public meeting in accordance with Chapter 2, Section 8, of the Department’s rules. Notice of the meeting must be sent to abutters and the clerk of the municipality(ies) where the discharge is located at least 10 days prior to the meeting. Notice of the meeting must be published in the same newspaper used to publish the notice of filing.

After all required notices have been made; sign the statement on the Certification page of the application.

NOTICE OF INTENT TO FILE  
MAINE WASTE DISCHARGE LICENSE/MAINE POLLUTANT DISCHARGE ELIMINATION  
SYSTEM PERMIT APPLICATION

Please take note that, pursuant to 38 MRSA, Sections 413 and 414-A, Bio Renewable Fuels of 168 Dirigo Rd, South China ME intends to file a wastewater discharge permit application with the Department of Environmental Protection (DEP). The application is for the discharge of 175000 gal week of Treated wastewater to the Ground water in China , Maine.

*Include as applicable:*

*CSO:* Included in this application is the discharge from {"number of points"} Combined Sewer Overflows to {"list all receiving water"}.

*Multiple industrial point sources:* The application includes {"all additional/secondary point source"}s associated with the primary activity described above.

*Antidegradation:* The application proposes a new or increased discharge that may lower existing receiving water quality within its legal classification, and the application contains a statement regarding important social and economic benefits resulting from the activity causing the discharge, pursuant to 38 MRSA, Section 464.

*Mixing Zone:* The application includes a request for establishment of mixing zone in the {"receiving water"}, inside of which classifications standards and uses not need to be met, pursuant to 38 MRSA, Section 451.

The application will be filed on or about August 1, 2017 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 offices in China, Maine .

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 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 information.

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 the Division of Water Quality Management, Department of Environmental Protection, State House Station #17, Augusta, ME 04333-0017. Telephone: (207) 287-3901.

**Pre-application and pre-submission meetings**

**Pre-application meetings.** Pre-application meetings between the applicant and the Department are an opportunity for the applicant to determine the statutory and regulatory requirements that apply to a specific project and to identify a Project Manager for the application. The purpose of these meetings is to identify issues, processing times, fees and the types of information and documentation necessary for the Department to properly assess the project. The applicant shall consult the appropriate bureau Permit Assistance Coordinator to determine what



information the applicant must provide before or during a pre-application meeting. Any applicant may request a pre-application meeting. The Department shall make a date available for the meeting as expeditiously as possible, but no later than 30 days from receipt of a written request receipt of all information required for a pre-application meeting by the bureau. The Department shall prepare a written summary of all pre-application meetings.

For waste discharge permits, pre-application meetings are required prior to submission to or acceptance by the Department of an application for the following:

New wastewater discharge license for a discharge greater than 25,000 gallons per day (38 M.R.S.A. Sections 413, et seq.);

Projects requiring new or amended licenses involving more than two bureaus.

**Pre-submission meetings.** Pre-submission meetings between the applicant and the Department occur after the applicant has finished preparing the application for submission. These meetings are an opportunity to review the assembled application to ensure that the necessary information has been included prior to filing the application with the Department. An applicant may request a pre-submission meeting by contacting the Project Manager, or the Permit Assistance Coordinator for the bureau if no Project Manager has been identified. The Department shall make a date available for the meeting as expeditiously as possible, but no later than 20 days from receipt of a written request.

For waste discharge permits, a pre-submission meeting is required prior to submission to or acceptance by the Department of an application for the following:

Any application for which a pre-application meeting was held; or

Any application that has been previously rejected by the Department (see Chapter 2, Section 7-B of the Department's rules).

**Waivers.** The requirement of pre-application or pre-submission meeting may be waived by written notice from the Department and agreement by the applicant. The Department will agree to waive a pre-application or pre-submission meeting if the Department is satisfied that such a meeting would be of no value in achieving the purposes noted above.

Note: The waiver of a pre-application or pre-submission meeting does not waive the public informational meeting required for new discharges of more than 25,000 gallons per day.

BioRenewable Fuels Corp  
Attn Linda Howe  
168 Dirigo Rd  
South China, ME 04358

Thank you for placing your advertisement with us.

Your order information and a preview of your advertisement are attached below for your review. If there are any changes or questions, please contact the Classified Department at 207-621-5600.

Thank you!

Classified Sales

207-621-5600 | managnost@mainetoday.com | Monday-Friday 8:00 am - 5:00 pm

<b>ORDER INFORMATION:</b>		<b>Order Number:</b>	<b>203438</b>
<b>Account:</b>	26856	<b>Start Date:</b>	8/4/2017
<b>Title:</b>	Kennebec Journal	<b>Number of Days:</b>	1
<b>Class:</b>	1000 Legal Notices	<b>Payment Method:</b>	
<b>Order Price:</b>	\$213.72	<b>Credit Card:</b>	
<b>PO Number:</b>			

**AD PREVIEW:**

**Legal Advertisement**

**NOTICE OF INTENT TO FILE MAINE WASTE DISCHARGE APPLICATION.**

Please Take note that pursuant to 36 MRSA, Sections 413 and 414-A, Bio Renewable Fuels of 168 Dirigo Rd, South China, Maine intends to file a wastewater discharge permit application with the Department of Environmental Protection (DEP). The application is for the discharge of 25000

gallons of treated wastewater. The application will be filed on or about August 1, 2017 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 offices in China, Maine. A request for public hearing or

Environmental protection assume jurisdiction over this application must be received by DEP in writing no later than 20 days after the application is found 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

provided by law, a hearing is discretionary and may be held if the commissioner of the board find significant public interest or there is conflicting technical information. During the time specified above, persons wishing to receive copies of draft permits and supporting documents when available.

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 information may be made to

Exhibit 1



# MAINE

Department of the Secretary of State  
Bureau of Corporations, Elections and Commissions

**Corporate Name Search**

## Information Summary

Subscriber activity report

This record contains information from the CEC database and is accurate as of: Fri Jun 30 2017 09:59:06. Please print or save for your records.

Legal Name	Charter Number	Filing Type	Status
BIO RENEWABLE FUELS	20062327 D	BUSINESS CORPORATION	NOT IN GOOD STANDING

Filing Date	Expiration Date	Jurisdiction
06/21/2006	N/A	MAINE

**Other Names** (A=Assumed ; F=Former)  
NONE

**Clerk/Registered Agent**

RALPH P. HOWE, III  
168 DIRIGO ROAD  
SOUTH CHINA, ME 04358

[Back to previous screen](#)

[New Search](#)

Click on a link to obtain additional information.

[List of Filings](#)

[View list of filings](#)

**Obtain additional information:**

[Certificate of Legal Existence](#) (more info)

[Short Form without amendments](#)  
(\$30.00)

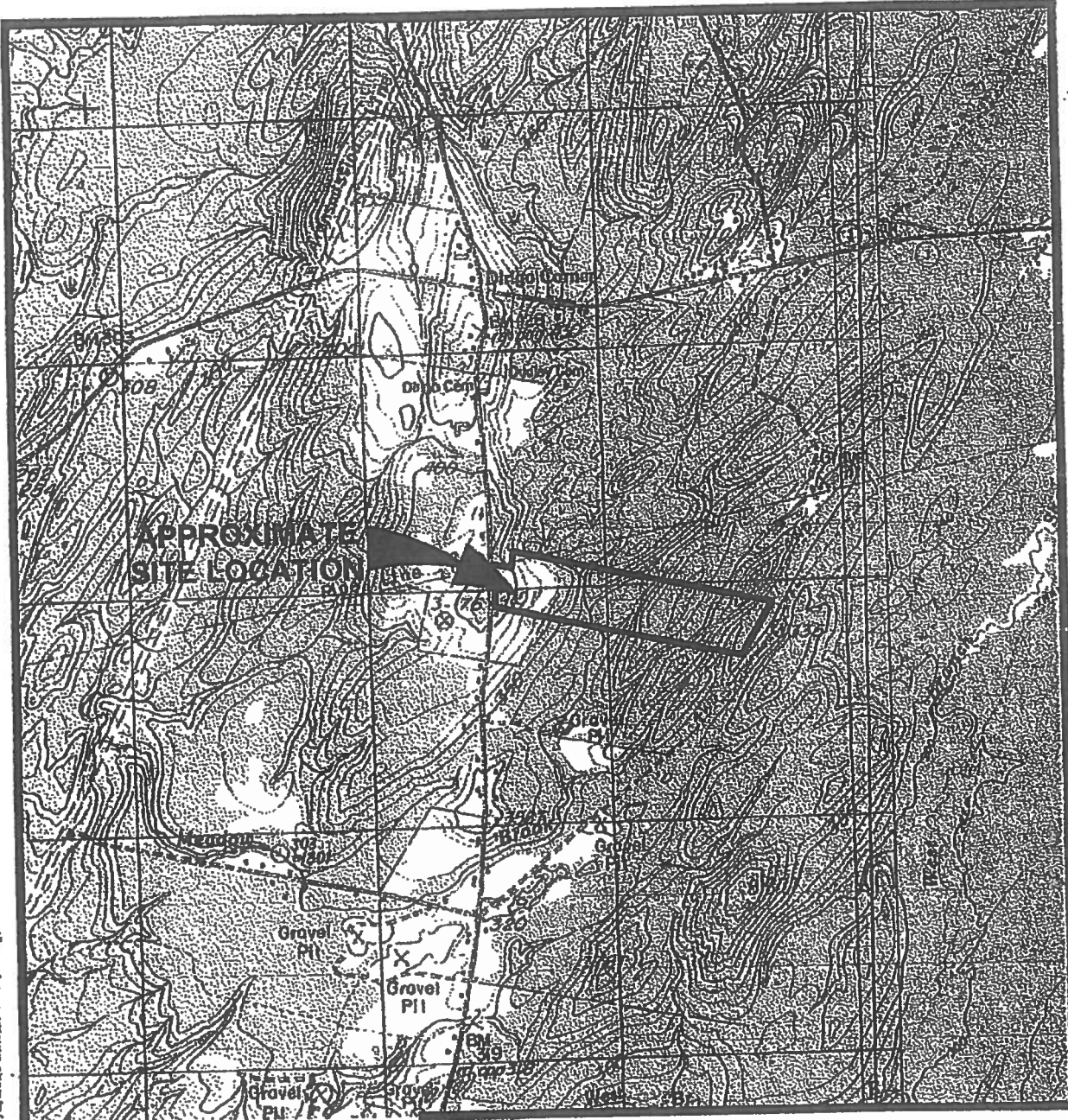
[Long Form with amendments](#)  
(\$30.00)

You will need Adobe Acrobat version 3.0 or higher in order to view PDF files. If you encounter problems, visit the [troubleshooting page](#).



Exhibit 2

R:\2010\10-0481\10-0481 SITE LOC.dwg, 8.5 x 11, 7/7/2010 11:02:18 AM, DRev, DWG To PDF.pc3, ANSI expand A (8.50 x 11.00 Inches), 1:1



**NOTE :**

Base maps taken from Maptech Terrain Navigator Pro. 7.5 Minute Series USGS Topographic Maps, China Lake, Maine and Palermo, Maine Quadrangles.



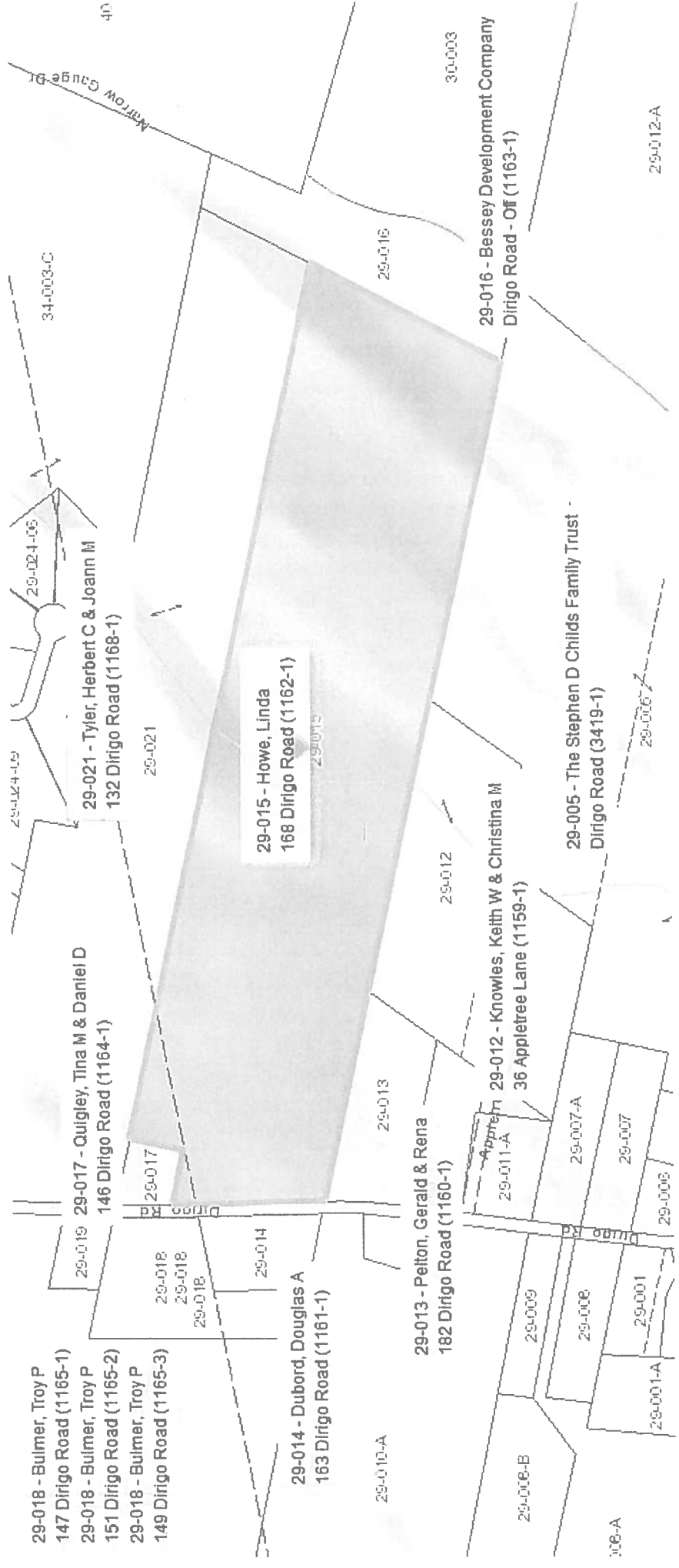
**S.W. COLE**  
ENGINEERING, INC.

**BIO RENEWABLE FUELS  
SITE LOCATION MAP**

**PROPOSED INDUSTRIAL WASTEWATER FACILITY  
CHINA, MAINE**

Job No. 10-0481 W  
Date : 07/01/10

Scale 1" = 2,000'  
Sheet B-1



29-018 - Bulmer, Troy P  
147 Dirigo Road (1165-1)  
29-018 - Bulmer, Troy P  
151 Dirigo Road (1165-2)  
29-018 - Bulmer, Troy P  
149 Dirigo Road (1165-3)

29-014 - Dubord, Douglas A  
163 Dirigo Road (1161-1)

29-013 - Pelton, Gerald & Rena  
182 Dirigo Road (1160-1)

29-012 - Knowles, Keith W & Christina M  
36 Appletree Lane (1159-1)

29-017 - Quigley, Tina M & Daniel D  
146 Dirigo Road (1164-1)

29-015 - Howe, Linda  
168 Dirigo Road (1162-1)

29-016 - Bessey Development Company  
Dirigo Road - Off (1163-1)

29-021 - Tyler, Herbert C & Joann M  
132 Dirigo Road (1168-1)

29-005 - The Stephen D Childs Family Trust  
Dirigo Road (3419-1)

34-003-C  
Narrow Gauge Bl  
40  
30-003  
29-012-A  
29-016  
29-017  
29-018  
29-018  
29-014  
29-019  
29-017  
29-013  
29-012  
29-011-A  
29-009  
29-008  
29-007  
29-006  
29-007-A  
29-007  
29-006  
29-001  
29-001-A  
29-001  
29-006  
29-006

Dirigo Rd

Dirigo Rd

SPRAY ZONE #2

SPRAY ZONE #3

SPRAY ZONE #4

SPRAY ZONE #5

SPRAY ZONE #6

AERATION LAGOON #1

LABORATORY SYSTEMS  
WATER TREATMENT  
EXPANDING PLANT  
OPERATIONS

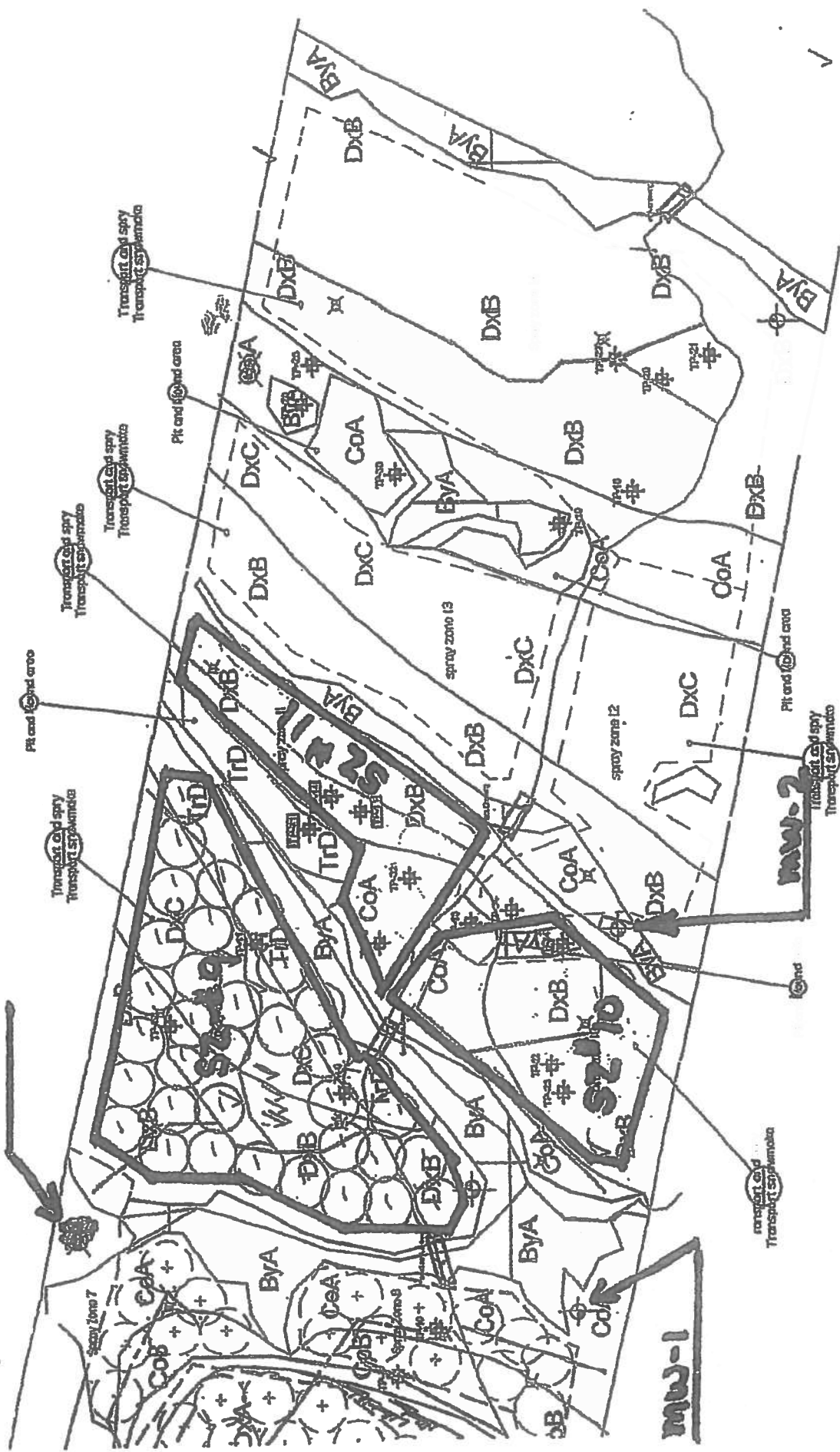
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**MW-2K**



**MW-1**

**MW-2**

**SZ-10**

**SZ-7**

**SZ-8**

Transport and spy  
Transport equipment

Transport and spy  
Transport equipment

Transport and spy  
Transport equipment

Pt and road area

Transport and spy  
Transport equipment

Pt and road area

Transport and spy  
Transport equipment





# 100 foot Abutters List Report

China, ME  
June 26, 2017

## Subject Property:

Parcel Number: 29-015  
CAMA Number: 29-015-1162-1  
Property Address: 168 Dirigo Road (1162-1)

Mailing Address: Howe, Linda  
168 Dirigo Road  
China, ME 04358

## Abutters:

Parcel Number: 29-005  
CAMA Number: 29-005-3419-1  
Property Address: Dirigo Road (3419-1)

Mailing Address: The Stephen D Childs Family Trust  
296 Branch Mills Road  
Palermo, ME 04354

Parcel Number: 29-010-A  
CAMA Number: 29-010-A-2693-1  
Property Address: 179 Dirigo Road (2693-1)

Mailing Address: Warren, Kelley D  
179 Dirigo Road  
China, ME 04358

Parcel Number: 29-012  
CAMA Number: 29-012-1159-1  
Property Address: 36 Appletree Lane (1159-1)

Mailing Address: Knowles, Keith W & Christina M  
36 Appletree Lane  
China, ME 04358

Parcel Number: 29-013  
CAMA Number: 29-013-1160-1  
Property Address: 182 Dirigo Road (1160-1)

Mailing Address: Pelton, Gerald & Rena  
182 Dirigo Road  
China, ME 04358

Parcel Number: 29-014  
CAMA Number: 29-014-1161-1  
Property Address: 163 Dirigo Road (1161-1)

Mailing Address: Dubord, Douglas A  
163 Dirigo Road  
China, ME 04358

Parcel Number: 29-016  
CAMA Number: 29-016-1163-1  
Property Address: Dirigo Road - Off (1163-1)

Mailing Address: Bessey Development Company  
PO Box 96  
Hinckley, ME 04944

Parcel Number: 29-017  
CAMA Number: 29-017-1164-1  
Property Address: 146 Dirigo Road (1164-1)

Mailing Address: Quigley, Tina M & Daniel D  
146 Dirigo Road  
China, ME 04358

Parcel Number: 29-018  
CAMA Number: 29-018-1165-1  
Property Address: 147 Dirigo Road (1165-1)

Mailing Address: Bulmer, Troy P  
147 Dirigo Road  
China, ME 04358

Parcel Number: 29-018  
CAMA Number: 29-018-1165-2  
Property Address: 151 Dirigo Road (1165-2)

Mailing Address: Bulmer, Troy P  
147 Dirigo Road  
China, ME 04358

Parcel Number: 29-018  
CAMA Number: 29-018-1165-3  
Property Address: 149 Dirigo Road (1165-3)

Mailing Address: Bulmer, Troy P  
147 Dirigo Road  
China, ME 04358



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

6/26/2017

Page 1 of 2



# 100 foot Abutters List Report

China, ME  
June 02, 2017

Parcel Number: 29-021  
CAMA Number: 29-021-1168-1  
Property Address: 132 Dirigo Road (1168-1)

Mailing Address: Tyler, Herbert C & Joann M  
PO Box 6059  
China Village, ME 04926

N

[www.cai-tech.com](http://www.cai-tech.com)

6/2/2017

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

Page 2 of 2



**Bio Renewable Fuels, Corp.**

168 Dirigo Rd. South China ME 04358

**Exhibit 3**

**CONSTRUCTION SCHEDULE**

- Summer 2017
  - Lay primary trunk lines to spray irrigation zone 1 through 6
  - Set-up spray irrigations system in zone 1 through 6
  - Construct a small building or modular unit to house lagoon aeration system
  - Complete construction of the digester presently on-site
- Fall 2017
  - Construct a 50 x 60 building and/or modular units for separation processing and other secondary steps
  - Construct Boiler House or modular unit to house: furnace with additional CHP modular unit.
- Winter 2017
  - Construct a trickling filter system and/or sequencing batch reactor system larger than presently on-site.
  - Construct a dewatering system
  - Construct a PH adjustment system
- Spring 2018 or sooner
  - Construct a building approx. 80 x 120 on-site for trucks, fabrication, repair, and other support operations
  - Permit and construct covered compost bins using Jersey barriers sections for composting operations. Approx. 30 x 70 under roof.



**Bio Renewable Fuels, Corp.**

168 Dirigo Rd. South China ME 04358

Exhibit #4

SOURCE DESCRIPTION

We take in

- Used Fryer oils.
- Restaurant Trap grease
- Restaurant Trap Grease with septic contaminants (due to restaurants having improperly piped plumbing)
- Mixed loads of grease trap and septic due to septic pumping trucks are used for grease trap pumping
- Septic waste
- Loads from septic tanks that are more in the nature of grease traps do to improper use by homeowners. This material is by nature more like grease trap waste in that it has a high fats and oils content and is not suitable for treatment by a traditional wastewater treatment plant. Septic pumping companies shall identify these loads by a “grease blinded leach field” and make pre-arrangements to haul such material into our plant
- Scrubber Wastes from organic oils
- Food processing wastes made up of a high portion of water such as potato fryer wash downs
- Food processing wastes such as generated by Barber Foods made up of water, breading, chicken parts
- Primary clarifier skimming from waste water treatment plants
- Other such non-hazardous wastes made up of organic oils and/or organic solids

## EXHIBIT 5

Site Information- S.W. Cole maps are on file. This information has been previously submitted and is on-file.



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

Exhibit #6

PRETREATMENT

The logical flow for our pretreatment works is attached.

The following steps are after Grease separation.

Step 1. Decanting or fractional separation of water and contaminants.

Step 2. Mixing with anaerobic or septic effluents for destruction of VS and to improve the dewatering efficiency of the waste.

Step 3. Dewatering processing via industry acceptable methods, including coagulation, flocculation, settling or mixing, carried out by a machine or machines to include but not limited to centrifugal decanter (Humbolt), dewatering box, clarifier, belt press, screw press, filter press or other technology for dewatering solids.

Step 4. Followed by two (2) SBR's sequencing batch reactors (on-site), trickling filter, anoxic mixing chamber, or aeration chamber/s as needed.

Step 5. Sent to process lagoon for active aeration, facultative treatment, or ballasting as operational needs dictate.

Step 6. 4<sup>th</sup> stage treatment may be installed such as sparkler horizontal plate filters, an SBR, trickling filter, or other such system as needed to meet discharge requirements.

Step 7. Irrigation pump leading to final filter system.

Step 8. Post filter system a meter shall be placed to measure the daily spray discharge amounts.

Step 9. Zone 6 will be setup with a commercial grade spray irrigation system manufactured by Miller & Poston with impact spray heads arranged in a line stepping out from a hedgerow to approximately center of zone #6. This system will be taken up at the end of the spray season, drained, cleaned and stored on site.

**Solids** - All solid slurry shall be sent to a mixing tank where additional lime and polymer are added for Class A stabilization and pathogen reduction of the solids. PH 12.5+

- **Composting (Composting License will be required)** Lime stabilized solids will be composted mixed with high acidic materials such as "green cow manure", chicken manure, food waste etc. Composting will be processed with mixtures of nitrate sources if septic receiving does not supply sufficient nitrate source. Bulking agents such as wood chips, and other needed abatements to balance bulk density, C to N ratio, PH, and alkalinity
- **Or** solids will be sent to thermophilic digester\* on-site for processing to decrease C to N ratio. Prior to being sent to the anaerobic dewatering tank mentioned above.
- **Or** Sent to landfill "Waste Management"

\*Note: Digester – "Tower Organics" Recycling 40' unit - water, solids will be pumped from multiple processing units to the Digester and water and waste sludge from the Digester is pumped to dewatering and sludge disposal.







**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

## **Exhibit #7**

### STORAGE OF WASTEWATER

Planned on site storage of wastewater during phase 1 development and operation: large steel tanks consisting of no more than 26,000 gallons each. Placed on a concrete or gravel pad.

Lagoon: Started in 2013 this is a predominantly above grade lagoon:

- Dug down to bedrock
- Due to shallow depth this lagoon is predominately above ground with the exception of the west side towards Dirigo Road
- Raked, smoothed sides and bottom
- Berm is a mixture of clay and loam
- Sub-liner is nylon heavy duty rug
- Liner is polypropylene, contiguous 6 mil, single layer 110' x 110', flat-panel lagoon liner. This liner extends over the top of the berm wall and will be anchored in-place with earth.
- The lagoon is approximately an area 90' x 90' with varying depths.

The lagoon is used for aeration and ballasting, shall also double as processed water capacity storage.

Due to shallow to bedrock - Installation differed from concrete tanks in original application.

During Lagoon construction Mr. Crowley made several site visits and observed different stages of construction up to the installation of the sub-liner, and liner placement. This lagoon has held water since 2015 and has yet to leak or have seepage.

The process aeration lagoon capacity is approximately 400,000 gallons.



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

Exhibit #9

### Operational/ Environmental Monitoring plans

Ground water level and quality monitoring wells are placed throughout the property. Please see Ground water well drawings attached.

Locations of wells are depicted on map over lay drawing "Ground water well locations, and flowing water test sites"

These wells are placed beforehand and will be tested to get background test information.

They shall be placed downgrade from spray sites for monitoring water levels and quality.

They shall be placed in each spray irrigation zone to ensure groundwater levels before spray operations begin.

A rain gauge shall be place and monitored for proper tracking and recordkeeping or rainfall for monitoring of weekly precipitation and evaporation.

Storage location and elevation is also listed on map overlay drawing.

Records shall be kept of the following:

As required by DEP rules and regulations:

1. Precipitation levels,
2. Evaporation levels,
3. Dates of areas irrigated ,
4. Volume, date, zone, water table depth at start, log shall be kept of all spray operations.



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

Exhibit #10,

CONSENT AGREEMENTS, COURT ORDERS, ETC.

We are under no court orders or agreements at this time.



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

EXHIBIT #11 - LICENSE RENEWAL OR AMENDMENT – Submit an updated source description; identify type or treatment and distribution system; summarize past performance; demonstrate compliance with the effective waste discharge license; describe any proposed changes in the system or operation of the system; and if applicable, proposed changes in the effective waste discharge license.

Source Description has been submitted in exhibit 4.

Treatment system has been described in exhibit 6.

Distribution System: Exhibit # 8 NOT A CHANGE TO THE LICENSE informational only

Distribution system: A commercial grade irrigation system manufactured by Miller & Poston aluminum piping system designed for spray irrigation. This piping system is powered by two redundant pumps. There is a filter system between the pumps and the discharge lines. Sampling should be taken post discharge filter. The irrigation line will be stepped out from the hedgerow approximately center of spray zone #6. The system will be taken up at the end of the spray season, cleaned and stored.

The distribution lines feed to high rate impulse or impact style sprinklers that came with the system.

Also used is a black flexible sch. 40 piping that is feeding residential size impact sprinklers. This is to allow flexibility in setups to ensure a more even application of the waste water to the spray fields.

Pumps maximum head pressure is known to be 150psi, piping systems burst pressure rating is known to be >450PSI

Compliance with the effective waste discharge license; No discharge out of specifications has been made at the site.

Proposed changes:

SPRAY ZONES 1 – 6 Spray and Snow Making

- Open spray zones 1-5 to the active spray irrigation list.

- Open spray zones 1-6 for snow making application, when applicable, and spray irrigation when conditions permit.
- Rather than a concrete in vessel primary aeration system, use above ground tanks as needed for primary aeration and anoxic treatment stages. This is to facilitate cleaning, leak detection, and more effective odor control. This tank or tanks for primary aeration will be for certain batches, lower turbidity water will be aerated by the aeration lagoon.

#### SEPTIC RECEIVING

Septic is required for our process to operate more efficiency.

The original application had depicted as part of the process “flash digestion” or septic exposure. Then post the license issue, we were informed not to take “raw septic”.

The aeration lagoon has been under aeration (nitrification) and anoxic (de-nitrification) cycles with more than 3 BHP of air being invested in cycles to the wastewater. The BOD after a year of aeration has not effectively diminished. Results approximately 2700 mg/l BOD5 at start (approx. 8/5/2016) to 2100 mg/l BOD5 tested (10/22/2016)

There is a study by Atlantic Dewatering Inc. released to the public as advertising, on October 2<sup>nd</sup>, 2008. The studies were carried out in 2004 mostly here in Maine. The results are as follows:

100% grease trap waste:

Pre-Treatment	Post treatment	Reduction
34000 mg/l BOD5	2300 mg/l BOD5	93%
31200 mg/l TSS.	65 mg/l TSS	99.9%

Note: the BOD5 is much higher than the required discharge limit of 250 mg/l required in our license. Secondary and tertiary treatment is being required above and beyond the currently applied standards of 85% reduction of wastewater at public treatment plants. Current reduction required by our plant is 99.264% BOD, and +99.9% on TSS.

Mixing septic that has not been exposed to grease trap waste prior to the treatment process results in:

Maximum strength of raw septage is 78600 mg/l BOD5 and 93,378 mg/l TSS.

(Average septic values taken from USEPA handbook entitled “septage treatment and Disposal” 1984 EPA-625/6-84-009)

## PRIMARY TREATMENT ONLY.

Mixed at 75% grease trap and 25% septic resulted in 2700 mg/l BOD5 and 64 mg/l TSS

Mixed at 80% septic, 20% grease trap waste resulted in 680 mg/l and 56 mg/l TSS.

The biggest impact of mixing septic with grease trap is after aeration the results were down to 180 mg/l BOD5, compared to aeration alone with reduction to 2100 mg/l BOD5 from the approximately 2700 mg/l BOD it started at.

Conclusion the micro nutrients, and enzymatic interaction with the soluble contaminants render the supernatant from dewatering more suitable for treatment in a waste activated sludge plant system.

At the hydraulic receiving capacity in the license our SBR phase (primary aeration phase) would require with these post mixing strengths a dissolved oxygen capacity of 8.59 lbs O<sub>2</sub>/hr. Currently with fine bubble diffusers the secondary treatment system will have sufficient aeration at 6.0 lbs-O<sub>2</sub>/Hp Hr @ >1.5 Bhp on the blower. Additional aeration (extended aeration) may be used in the aeration lagoon, or have the aeration lagoon operate as a primary treatment, depending on operation needs. (as determined by the state licensed operator on staff)



Maine Department of Environmental Protection

**APPLICATION FOR ADDITION OF TRANSPORTED WASTES  
IN WASTEWATER TREATMENT FACILITIES**

Pursuant to Department of Environmental Protection Rules  
Chapter 555, effective March 9, 2009

This application is to be submitted with a General Application for a Discharge License. A public notice for this submittal is required, either as part of a renewal application or independently if submitted as a modification to an existing license. Please contact the Department for details as necessary.

Please answer all questions clearly and completely, and attach narratives, drawings, etc. as required or appropriate to supplement this form.

**I. Applicant Information**

Applicant: Bio Renewable fuels Waste Discharge License #W00 8255-50-B-M

Contact person: Linda Howe

Telephone: 207-323-0679 e-mail: BR Fuels@yahoo.com

Treatment facility location: china, ME

**II. Facility information.**

**A. Treatment facility design data.**

Average daily flow	0.025	MGD
Average daily BOD loading	7,925	lbs/day
Average daily TSS loading	20875	lbs/day

**B. Treatment facility influent information for the most recent 12 months. Please exclude loads from any transported wastes received.**

	Average		Maximum	
Flow	0	MGD	0	MGD
BOD	0	lbs/day	0	lbs/day
Suspended Solids	0	lbs/day	0	lbs/day

**C. Please describe any significant monthly or seasonal variations in these data:**

winter months have little to no activity

D. Please list other pollutants (e.g. metals, nutrient, organic compounds) believed to be present in specific transported waste sources other than domestic septage. Attach summaries of testing, if appropriate. \_\_\_\_\_

None

III. Receiving facilities and practices.

A. Physical location: 168 Diego Rd south china ME

B. How is access controlled? Locks

C. Hours of operation: as Needed

D. How are volumes measured? By volume in Receiving tank(s)

E. What methods (such as inspections, source contacts, testing, etc.) and frequencies are used to verify the characteristics of wastes received? Random = Verification of DEP Manifest, Visual inspections, in house testing, 3rd party Lab testing, as Needed,

[Note: if a facility proposes to receive wastes of a different nature than previously accepted, advance testing is required. Contact the Department for details.]

F. Please attach a schematic drawing of the receiving facilities and, if appropriate, a narrative of receiving facility operations, features, limitations, etc.

see Spray Irrigation Licence Drawings Submitted to DEP.

IV. Nature and volume of transported wastes.

Description of waste	Use default strength? *	Daily maximum volume, gallons	Percent of design flow	Monthly total volume, gallons
Septage	<u>(Yes)</u> /No	<u>25,000</u>	<u>0-100%</u>	<u>&lt;750,000</u>
	Yes/No			
	Yes/No			
	Yes/No			
Totals	-----			

\* Chapter 555 contains a default rebuttable presumption that transported wastes have a BOD and TSS concentrations of 7,500 mg/L and 15,000 mg/L, respectively. Applicants should submit information demonstrating other concentrations for all or specific wastes to be received. In preparation to do so, the Department should be contacted in advance to ensure appropriate information is submitted.

If the total percent of design flow is greater than 1%, section VI must be completed.



V. Handling and treatment. Applicable to all applications.

A. Indicate the proposed treatment method(s) used and the maximum volume for each.

Method	Maximum daily volume, gallons	Percent of design flow	Total volume per month, gallons
Add directly to influent			
Hold & meter to influent			
Add directly solids holding/digestion			
Add directly solids dewatering	≤ 25,000	0-100%	< 750,000
Hold & meter to solids dewatering			
Hold & meter to solids holding/digestion			
Other:			
Other:			

B. Attach a description and/or diagram of waste treatment facilities to be used. Please list all equipment (pumps, tanks, aerations devices, etc.) used, providing sizes or capacities as necessary. Include the relationship of these facilities to downstream wastewater or sludge treatment processes. *see Description already on file with DEP*

C. Attach a Transported Waste Management and Operational plan that will be followed for holding and treatment of transported wastes in compliance with Chapter 555. *See Operations Manual on site.*

VI. If the proposed volume of transported wastes is more than 1% of the design flow (see item IV(A)), please attach information for each of the following.

A. A description of management practices and other controls that will be followed to prevent adverse impacts from odors on the surrounding community, including attested copies of any relevant ordinances;

B. A description of management practices and other controls that will be followed to prevent adverse impacts from transporter traffic on the surrounding community, including attested copies of any relevant ordinances;

C. A description of the treatment method(s) to be used and the quantity of wastes consigned to each;

D. The pollutant loadings in pounds per day for BOD, TSS and other identified pollutants of concern that each side stream treatment method places on subsequent wastewater treatment process units;

- E. A narrative description of the operational practices and procedures that will be used to minimize the impact of transported wastes on wastewater treatment processes, the quality of the effluent discharged, and sludge disposal practices. This may include operational plans for side stream treatment or storage and how they are managed in concert with overall facility operations; and
- F. An analysis of additional facility staffing or operational needs, created by the transported wastes received and, where necessary, a description of how those needs will be met.

VII. Other considerations and records.

- A. Does the facility propose to add transported wastes to the treatment or solids handling processes at times when the daily influent flow is above the design? NO

If yes, please attach a copy of the facility's current high flow management plan that specifically describes how transported wastes will be managed such that transported wastes will be introduced into the treatment process or solids handling system only when all treatment units have sufficient capacity and are functioning properly, there are no diversions of flow within the facility and there are no effluent quality violations. The high flow management plan will, as necessary, specify limitations on the amount of transported waste to be added or the means or rates of addition.

- B. Please describe any anticipated impacts on sludge quality, quantity or disposal practices.

Sludge quantity will increase with an improved C to N Ratio making the quality for land fill or composting greatly improved.

- C. Please describe the record keeping systems that will be used to track transported wastes received and treated, including any adverse impacts or citizen complaints.

~~DEP~~ Transported wastes will be Track By DEP Manifest sheets with Name of source, hauler, Drivers signature, Haulers DEP License.

- D. Please describe what formal agreements that will be used with waste haulers, such as license, contracts or written authorizations and the means for enforcing them.

We will be using written contracts on a case by case basis.  
we will be Named Insured for liability of the haulers.  
as well as legal options

VIII. Certification.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

By:

Signature: 

Date: Aug 2 2017

Printed Name: Ralph P. Howe III

Title: President.

After completing the application, submit 2 copies to:

Maine Department of Environmental Protection  
Bureau of Land and Water Quality  
Division of Water Quality Management  
State House Station 17  
Augusta, Maine 04333-0017



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

## MAINE APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WATER TREATMENT FACILITIES

### **Response to section: V (B) :**

We will be off loading through an unloading dock system using a JWC muffin monster shredding machine, and/or roto-chopper or disc. attrition mill. As solids reduction system, or a screening system as intake dictates, such as a Hycore sieve, or Lilly rotary screener.

Product will then be held and conditioned in a bulk tank on-site that can include but not limited to 20,000 gallon single cell above ground tank, a multi cell 20,000 gallon above ground tank, a 10,000 gallon tank, or other as we expand.

The product will be conditioned to some level in the bulk process tank. Then sent to batch coagulation and flocculation tanks, or inline systems.

The product will then be sent to dewatering equipment which may include: Filter presses, centrifugal decanters, dewatering boxes, rotary drum thickeners, screw presses, belt presses or leaf filters.

Currently we have in house a centrifugal decanter, a dewatering box, a filter press, and twin 250 ft 2 leaf filters. We will employ dewatering equipment as operator chooses for best fit to the overall process flow at any given time.

Process advancing pumps for the thickened product will be diaphragm pumps, such as Sand Piper heavy ball pumps, Wilden M15 double diaphragm pumps, progressing cavity pumps such as Monyo 2.5", or other pumps as operational needs dictate.

Side stream process; product will directly unload into a coagulation chamber and/or a flocculation chamber (or inline system) for conditioning, then directly into a dewatering box that decants (<250mg/l TSS during normal operation) into the aeration lagoon.

For a schematic of the normal operational flow see Spray Irrigation Plant drawings.



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

MAINE APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WATER TREATMENT FACILITIES

Response to section: VI (A) :

- We will avoid blowing air through the transported wastes unless necessary for process parameters.
- We will deploy pine wind socks as necessary in the area to mitigate odors from the waste water.
- The septic waste in question has far lower odors issues than the currently accepted wastes.
- We will keep the unloading area and equipment associated with dewatering clean, within reason as operations dictate.
- We will limit the amount of “top unloading” to prevent splashing of the septic waste.

No local ordinance applies to our knowledge.



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

## MAINE APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WATER TREATMENT FACILITIES

### **Response to section: VI (B) :**

- Traffic on Dirigo Rd from gravel strip mining operations, logging operations, and other commercial operations is significant. Our additional traffic poses negligible increase in traffic impacts.
- Our transport trucks have caused little to no impact at this point.
- Our driveway will be wider than standard for entrances intended for 18 Wheeler access.
- Our vegetation near the road will not become over grown in such a way that it blocks the view of an 18 wheeler exiting the driveway within 25ft either end of the driveway opening.
- We will avoid operations during ice and snow events as much as is reasonable.
- Excessive use of engine brakes, high beam head lights, or air horns will be avoided.



**Bio Renewable Fuels, Corp.**

168 Dirigo Rd. South China ME04358

**MAINE APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WATER TREATMENT FACILITIES**

**Response to section: VI (C) :**

Treatment method to be used;

Use of a grinder, shredder, and/or screening system will be used to lower the impact of inorganic solids on the facility. This trash component of the septic waste will be disposed of at the landfill in Norridgewock or other licensed landfill facility.

The product will then be handled in a large tank for conditioning of the solids for dewatering. Addition of coagulants such as, but not limited to: alum, calcium oxide, calcium hydroxide, sodium hydroxide, HPAC, Ferric Chloride, Ferric sulfate, and other such coagulants, that need longer term exposures.

Mixing will be applied as needed.

The product will then move to secondary coagulation chamber that will mix in our second stage coagulants as selected by the chief operator.

Mixing will be applied as needed.

The conditioned matrix will progress to the flocculation chamber where polymers are added.

Mixing will be applied as needed.

Note: these chambers can be facilitated inline, leaving no open vessels to create odors. This method will be applied where practical and solely under the chief operators operational opinion.

The matrix is advanced to a dewatering machine consisting of a dewatering box, belt press, screw press, filter press, or centrifugal decanter or a combination of those machines.

The discharge product will be loaded for transport to land fill, or to composting.

Waste waters will then be treated as normal in the Sequencing batch reactor system, (see spray irrigation license.)



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

**MAINE APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WATER TREATMENT FACILITIES**

**Response to section: VI (D) :**

BOD / TSS;

BOD of septic waste is far less than the current inflow to the plant. The BOD loading of the dewatered septic waste will be adding needed nutrients, a positive impact, to our wastewater process.

Solids loading of septic will decrease the thickness and improve the dewatering characteristics of the conditioned sludge.

The increase in TSS and its corresponding Nitrates will improve our sludge quality for environmentally friendly recycling operations such as composting.

No other pollutants of concern have been identified.





**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

## MAINE APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WATER TREATMENT FACILITIES

### **Response to section: VI (E):**

- Receiving hauled wastes will only take place when the plant has sufficient room in the dewatering conditioning vessels.
- Dewatering operations are conducted on an as needed basis for the overall process treatment. The hauled waste will be an additional flow as we have capacity to receive it in the overall treatment plant process.
- Testing is currently required on our spray irrigation license. We will be adhering strictly to those guidelines. No raw or unprocessed material will be discharge outside state guidelines.
- Additional side stream treatment may be employed using one of the Sequencing Batch reactors on site. As well as process recirculation as needed to meet BOD and TSS levels for finial effluent.
- Hauled waste will create additional work at the treatment plant site. We will be looking to bring on another licensed operator or operator in training to see to those operational needs. (See Response F)

During repair of dewatering machines, or as other operational needs dictate the hauled waste will be off loaded through a flocculation chamber directly into a dewatering box that will decant into the aeration lagoon, retaining solids to below <250 mg/l during normal operation.



**Bio Renewable Fuels, Corp.**  
168 Dirigo Rd. South China ME 04358

## MAINE APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WATER TREATMENT FACILITIES

### Response to section: VI (F) :

#### Work load on operations staff;

- Increased number of hours in office management for inventory, receiving, billing, and other administrative activities.
- Increase the number of work hours spent in office by admin personnel. Temporary workers and/or full time office assistant will be brought on as necessary.
- Increase in offloading operations, batch cycling, and dewatering operations.
  - We will be automating much of the batch cycling operations for the sequencing batch reactors. We will be stream lining the dewatering process with the use of metering pumps, and dewatering machine automation.
  - We will also be hiring additional staff as needed to support these basic operations.
  - We will also be bringing on an additional wastewater operator or operator-in-training to share some of the additional work load of the plant.

August 1, 2017

TO: The Stephen Childs Family Trust  
296 Branch Mills Rd  
Palermo, ME 04354

Subject: Legal Advertisement/ notification

Dear Sir/Madam

Linda and Ralph Howe of Bio Renewable Fuels Corp, located at 168 Dirigo Rd, South China ME 04358 is in the process of permitting 42 acres of field and forested land in China Maine for processing of, and spray irrigation of treated grease trap wastewater. The spray irrigation site is proposed to be at the above said address on Dirigo Road in the town of China Maine. We are required by law to notify all abutting property owners and town officials before filing the application. You are receiving this letter due to the fact you have been identified as an abutting land owner by the Maine DEP and the tax maps of the town of China.

Please find attached a copy of the legal advertisement which will be published in the Kennebec Journal on August 1, 2017. It outlines the details of our request to the Maine Department of Environmental Protection.

Please do not hesitate to contact us directly should you have any questions or comments related to this request.

Sincerely,

Linda P. Howe  
Bio Renewable Fuels, Corp.  
168 Dirigo Rd  
South China, ME 04358  
207-930-5247  
207-323-0679

August 1, 2017

TO: Kelly Warren  
179 Dirigo Rd  
S. China, ME 04358

Subject: Legal Advertisement/ notification

Dear Sir/Madam

Linda and Ralph Howe of Bio Renewable Fuels Corp, located at 168 Dirigo Rd, South China ME 04358 is in the process of permitting 42 acres of field and forested land in China Maine for processing of, and spray irrigation of treated grease trap wastewater. The spray irrigation site is proposed to be at the above said address on Dirigo Road in the town of China Maine. We are required by law to notify all abutting property owners and town officials before filing the application. You are receiving this letter due to the fact you have been identified as an abutting land owner by the Maine DEP and the tax maps of the town of China.

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Please do not hesitate to contact us directly should you have any questions or comments related to this request.

Sincerely,

Linda P. Howe  
Bio Renewable Fuels, Corp.  
168 Dirigo Rd  
South China, ME 04358  
207-930-5247  
207-323-0679

August 1, 2017

TO: Keith & Christina Knowles  
36 Appletree Lane  
S. China, ME 04358

Subject: Legal Advertisement/ notification

Dear Sir/Madam

Linda and Ralph Howe of Bio Renewable Fuels Corp, located at 168 Dirigo Rd, South China ME 04358 is in the process of permitting 42 acres of field and forested land in China Maine for processing of, and spray irrigation of treated grease trap wastewater. The spray irrigation site is proposed to be at the above said address on Dirigo Road in the town of China Maine. We are required by law to notify all abutting property owners and town officials before filing the application. You are receiving this letter due to the fact you have been identified as an abutting land owner by the Maine DEP and the tax maps of the town of China.

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Please do not hesitate to contact us directly should you have any questions or comments related to this request.

Sincerely,

Linda P. Howe  
Bio Renewable Fuels, Corp.  
168 Dirigo Rd  
South China, ME 04358  
207-930-5247  
207-323-0679

August 1, 2017

TO: Gerald & Rena Pelton  
182 Dirigo Rd  
S. China, ME 04358

Subject: Legal Advertisement/ notification

Dear Sir/Madam

Linda and Ralph Howe of Bio Renewable Fuels Corp, located at 168 Dirigo Rd, South China ME 04358 is in the process of permitting 42 acres of field and forested land in China Maine for processing of, and spray irrigation of treated grease trap wastewater. The spray irrigation site is proposed to be at the above said address on Dirigo Road in the town of China Maine. We are required by law to notify all abutting property owners and town officials before filing the application. You are receiving this letter due to the fact you have been identified as an abutting land owner by the Maine DEP and the tax maps of the town of China.

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Please do not hesitate to contact us directly should you have any questions or comments related to this request.

Sincerely,

Linda P. Howe  
Bio Renewable Fuels, Corp.  
168 Dirigo Rd  
South China, ME 04358  
207-930-5247  
207-323-0679

August 1, 2017

TO: Douglas Dubord  
163 Dirigo Rd  
S. China, ME 04358

Subject: Legal Advertisement/ notification

Dear Sir/Madam

Linda and Ralph Howe of Bio Renewable Fuels Corp, located at 168 Dirigo Rd, South China ME 04358 is in the process of permitting 42 acres of field and forested land in China Maine for processing of, and spray irrigation of treated grease trap wastewater. The spray irrigation site is proposed to be at the above said address on Dirigo Road in the town of China Maine. We are required by law to notify all abutting property owners and town officials before filing the application. You are receiving this letter due to the fact you have been identified as an abutting land owner by the Maine DEP and the tax maps of the town of China.

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Sincerely,

Linda P. Howe  
Bio Renewable Fuels, Corp.  
168 Dirigo Rd  
South China, ME 04358  
207-930-5247  
207-323-0679

August 1, 2017

TO: Bessey Development Corp  
P.O. Box 96  
Hinckley, ME 04944

Subject: Legal Advertisement/ notification

Dear Sir/Madam

Linda and Ralph Howe of Bio Renewable Fuels Corp, located at 168 Dirigo Rd, South China ME 04358 is in the process of permitting 42 acres of field and forested land in China Maine for processing of, and spray irrigation of treated grease trap wastewater. The spray irrigation site is proposed to be at the above said address on Dirigo Road in the town of China Maine. We are required by law to notify all abutting property owners and town officials before filing the application. You are receiving this letter due to the fact you have been identified as an abutting land owner by the Maine DEP and the tax maps of the town of China.

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Sincerely,

Linda P. Howe  
Bio Renewable Fuels, Corp.  
168 Dirigo Rd  
South China, ME 04358  
207-930-5247  
207-323-0679



August 1, 2017

TO: Tina and Daniel Quigley  
146 Dirigo Rd  
S. China, ME 04358

Subject: Legal Advertisement/ notification

Dear Sir/Madam

Linda and Ralph Howe of Bio Renewable Fuels Corp, located at 168 Dirigo Rd, South China ME 04358 is in the process of permitting 42 acres of field and forested land in China Maine for processing of, and spray irrigation of treated grease trap wastewater. The spray irrigation site is proposed to be at the above said address on Dirigo Road in the town of China Maine. We are required by law to notify all abutting property owners and town officials before filing the application. You are receiving this letter due to the fact you have been identified as an abutting land owner by the Maine DEP and the tax maps of the town of China.

Please find attached a copy of the legal advertisement which will be published in the Kennebec Journal on August 1, 2017. It outlines the details of our request to the Maine Department of Environmental Protection.

Please do not hesitate to contact us directly should you have any questions or comments related to this request.

Sincerely,

Linda P. Howe  
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168 Dirigo Rd  
South China, ME 04358  
207-930-5247  
207-323-0679

August 1, 2017

TO: Troy Bulmer  
147 Dirigo Rd  
S. China, ME 04358

Subject: Legal Advertisement/ notification

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168 Dirigo Rd  
South China, ME 04358  
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207-323-0679

August 1, 2017

TO: Herbert & Joann Tyler  
P.O. Box 6059  
China Village, ME 04926

Subject: Legal Advertisement/ notification

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