

# REQUEST TO MEET WITH THE CHINA PLANNING BOARD

NAME: Bryan Mason \_\_\_\_\_ PHONE: 207-703-5566 \_\_\_\_\_

ADDRESS: \_1144 rt 3\_\_\_\_\_

CITY/TOWN: \_China\_\_\_\_\_ ZIP: \_04358\_\_\_\_\_

\*\*\*\*\*

I, Bryan Mason, am requesting to be placed on a forthcoming meeting agenda with the China Planning Board to review my intentions for the following:

Change of use regarding a shipping container for the purpose of using it has a solvent less

hashlab  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please notify me of the time that I may be scheduled for review with the local Planning Board.

Thank you,

  
\_\_\_\_\_  
Signature of Applicant

9/13/22  
\_\_\_\_\_  
Date

**Town Of China**  
**Application for a Permit from the Planning Board**

Applicant Bryan Mason Phone (Home) \_\_\_\_\_  
 Mailing Address 1144 Rt 3 (Work) 207-703-5566  
South China ME,04358 (Cell) 978-660-3100

Property Owner Bryan Mason Phone (Home) \_\_\_\_\_  
 Mailing Address 1144 Rt 3 (Work) 207-703-5566  
South China ME,04358 (Cell) 978-660-3100

Property Address 1144 Rt 3 Map 34 Lot 26  
 Book \_\_\_\_\_ Page \_\_\_\_\_

\_\_\_\_\_ If applicant is not the property owner, provide a copy of a lease agreement, purchase and sale agreement subject to Planning Board approval or other document demonstrating that you have title to the property.

Acreage of Lot 10.05 acres

Existing use of property \_\_\_\_\_

Property is zoned as: \_\_\_\_\_ Resource Protection \_\_\_\_\_ Stream Protection \_\_\_\_\_ Shoreland  Rural

**Proposed Use(s) – Check all that apply**

- Subdivision
- Multi Family Residence
- New Commercial Structure or Addition
- Change of Use
- Dock ( \_\_\_\_\_ Temporary, \_\_\_\_\_ Permanent)
- Timber Harvest – Check all that apply
  - Resource Protection,  Shoreland,  Stream Protection Exceeds 40%
- Filling or other earth moving **less than** 100 cubic yards
- Filling or other earth moving **greater than** 100 cubic yards
- Other \_\_\_\_\_

**1. Site Plan – Provide a site plan with the following information. A GIS based map will often be a good starting point to provide the information in a scaled format. A hand drawn map may also be acceptable.**

- Plot of lot and abutting properties drawn to scale
- North arrow and scale of map
- Location of existing and proposed septic system and well
- Location of footprint of existing and proposed building(s) and/or addition(s)
- Location of water bodies, wetlands, and other natural features such as wooded areas
- Designation of areas that will be cleared
- Location of public roads that will provide access to the site
- Location of parking areas, pedestrian access ways, and points of ingress and egress from public streets to the lot
- Location of existing and proposed vegetative and non-vegetative buffers and proposed



- \_\_\_\_\_ DEP Stormwater
- \_\_\_\_\_ DEP Site Location of Development
- \_\_\_\_\_ DOT Driveway Entrance
- \_\_\_\_\_ DOT Traffic Movement Permit
- \_\_\_\_\_ Fire Marshall's Office
- \_\_\_\_\_ Dept of Human Services
- \_\_\_\_\_ U S Army Corp of Engineers
- \_\_\_\_\_ Other \_\_\_\_\_

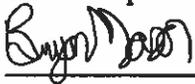
6. a. Provide a copy of the State DOT driveway entrance permit if a new driveway is proposed on a state road or if the DOT determines that a driveway entrance permit is necessary for a change of use.
  - b. Provide a copy of the DOT traffic movement permit if it is required.
7. Provide an evaluation of the phosphorus control methodology to be used on the lot if the phosphorus control ordinance is applicable for the proposal. The CEO will verify whether or not this is applicable to your proposal.  
Signoff of CEO - The proposed use does / does not require phosphorus controls to be implemented.

\_\_\_\_\_  
CEO Town of China

8. Provide a sketch of the proposed building(s) or addition(s) including height, width, footprint, and floor plan. **40' x 8' x 9'6"39'5" x 7'8"x 8'10"7'8" x 8'5.5"300 square-feet 8,775 lb**
9. Verify that lot coverage, lot area, property line and water setbacks requirements, and structure height requirements will be met if additions or new structures are proposed (see section 5(A) and 5(B) of Land Use Ordinance for specific requirements).

Dimensional Requirements	Required	Actual/Proposed
Lot Coverage		
Lot Area		
Property Line Setbacks Road	25 ft	
Side	10 ft	
Rear	15 ft	
Water or Wetland Setback		
Water Frontage		
Structure Height	Not greater than 35 ft	

The information provided is accurate to the best of my knowledge.

Signed   
Signature of applicant

Date 9/13/22





Town of China  
Conditional Use Permit Application

**Conditional Use Permits: The Planning Board shall approve a Conditional Use Application if all of the following criteria are met inclusive of conditions:**

- 1. The proposed use will meet the definition or specific requirements set forth in this Ordinance or will be in compliance with applicable State or Federal laws.**

*Findings and statement of reasons:* The proposed use is permitted in accordance with the China Land Development Code, Chapter 2, Land Use Ordinance, Section 4, USES, Item# 15, regarding the 8'x40' Shipping Container for the purposes of Solventless Hash Lab. The property is located in a Rural District at the location of 1144 Route 3 in China, Maine. China Tax Map 34, Lot 26 identifies the property. The proposal is permitted with a conditional use permit from the Planning Board.

Response:

- 2. The proposed use will not create fire safety hazards by providing adequate access to the site, or to the buildings on the site, for emergency vehicles.**

Response: No, it will not

- 3. The proposed exterior lighting will not create hazards to motorists traveling on adjacent public streets, and is adequate for the safety of occupants or users of the site, or will not damage the value and diminish the usability of adjacent properties.**

Response: No, it will not

- 4. The provisions for buffers and on-site landscaping will provide adequate protection to neighboring properties from detrimental features of the development.**

Response: There are no detrimental features of development.

5. The proposed use will not have a significant detrimental effect on the use and peaceful enjoyment of abutting property as a result of noise, vibrations, fumes, odor, dust, glare or other cause.

Response: Correct, it will not.

6. The provisions for vehicular loading and unloading and parking, and for vehicular and pedestrian circulation on the site and onto adjacent public streets will not create hazards to safety.

Response: Correct

7. The proposed use will not have a significant detrimental effect on the value of adjacent properties or could be avoided by reasonable modification of the plan.

Response: No, it will not

8. The design of the site will not result in significant flood hazards or flood damage or is in conformance with applicable flood hazard protection requirements.

Response: Correct

9. Adequate provision has been made for disposal of wastewater, or solid waste, or for the prevention of ground or surface water contamination.

Response: Correct, it has been discussed with Cindy L. Donne, Environmental Specialist in the Bureau of Water Quality

**10. Adequate provision has been made to control erosion or sedimentation.**

Response:

Correct,  
whole house filtration system

**11. Adequate provision has been made to handle storm water runoff or other drainage problems on the site.**

Response:

Correct

**12. The proposed water supply will meet the demands of the proposed use or for fire protection purposes.**

Response:

Correct,  
does not exceed gallon rating of septic tank

**13. Adequate provision has been made for the transportation, storage, and disposal of hazardous substances and materials as defined by State law.**

Response:

Correct

**14. The proposed use will not have an adverse impact on significant scenic vistas or on significant wildlife habitat or could be avoided by reasonable modification of the plan.**

Response:

Correct

**15. When located in the Resource Protection District, Stream Protection District, Shoreland District, the proposed use will meet the standards in Section 5 of this Ordinance.**

Response:

To my understanding, this is correct

## Certificate of Analysis

**Attention:** Coastline Property Inspections  
124 New County Rd  
Saco, ME 04072

**Lab ID Number:** 302108944  
**P.O. Number:** 302108944 Rt 3  
**Date/Time Collected:** 8/4/2021 11:30  
**Date/Time Received:** 8/4/2021 15:45  
**Date Reported:** 8/5/2021

**Owner:**  
**Location:** 1144 Rt 3 China ME  
**Sample Type:** Potability

**Legend**

 Meets Acceptable EPA Limits

 See Notation

 Does Not Meet EPA Limits

Parameter:	Your Result:	EPA LIMIT:	Unit:	Method:	Preparation Date/Time	Analysis Date/Time:	Reporting Limit:
Chloride, Total	 14	250	mg/L	SM 4500Cl- E		8/4/2021 / 16:32	0.50
Fluoride	 <0.20	4.0	mg/L	SM 4500F E		8/5/2021 / 08:43	0.20
Nitrite-Nitrogen, Total	 <0.20	1	mg/L	NECi Method 1.0		8/5/2021 / 10:17	0.20
Nitrate-Nitrogen, Total	 1.6	10	mg/L	NECi Method 1.0		8/5/2021 / 10:26	0.50
Arsenic, Total	 4.57	10.0	µg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	1.000
Lead Total	 <1.000	15.0	µg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	1.000
Radium Total	 1.61	30	µg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	1.000
Copper Total	 0.0192	1.3	mg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	0.001
Zinc Total	 <0.050	0.3	mg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	0.050
Manganese Total	 0.00566	.05	mg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	0.001
Sodium Total	 4.48		mg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	0.001
Hardness by calculation	180		mg/L	SM 2340B	8/4/2021 / 17:00	8/5/2021 / 12:42	10
A 1/2 dilution was performed in order to bring the concentration of Hardness by calculation into the calibration range. The reporting limit has been adjusted accordingly.							
Calcium, Total	65.0		mg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 12:42	2.000
A 1/2 dilution was performed in order to bring the concentration of Calcium, Total into the calibration range. The reporting limit has been adjusted accordingly.							
Magnesium, Total	3.65		mg/L	EPA 200.8	8/4/2021 / 17:00	8/5/2021 / 11:58	1.000
pH Electrometric	 6.78	6.5 to 8.5	stu@25C	EPA 150.1		8/4/2021 / 16:24	2.0
Total Coliform Colifert18	 <1		MPN/100mL	SM9223B	8/4/2021 / 16:30	8/5/2021/ 10:30	1
E. Coli - Colifert Enumeration	 <1	1	MPN/100mL	SM9223B	8/4/2021 / 16:30	8/5/2021/ 10:30	1

**Comments:**

 For the above tests only, this water meets acceptable EPA Limits.

If samples analyzed for Nitrate-N and/or Nitrite-N samples must be thermally preserved to 4±2°C. However, the Maine CDC Drinking Water Program will accept non-thermally preserved test results.

## Certificate of Analysis

### The following Notations may be referenced above.

**otation 1:** The Maximum Exposure Guideline (MEG) is a health-based guideline set by the Maine Center for Disease Control and Prevention (MECDC). MEGs are recommendations for concentrations of chemical contaminants for all drinking water systems below which there is minimal risk of a harmful health effect resulting from long-term ingestion of contaminated water. These recommendations can be found online at <http://www.maine.gov/dhhs/mecdc/environmental-health/cohp/wells/documents/megtable2016.pdf>. Please contact one of the State of Maine's Bureau of Health Toxicologists, toll free, at 1-866-292-3474 for more information.

**otation 2:** The Maximum Contamination Level (MCL) is set by the United States Environmental Protection Agency (USEPA) through the National Primary Drinking Water Regulations and are legally enforceable drinking water standards that apply to all public water systems. These regulations can be found online at <http://water.epa.gov/drink/contaminants/index.cfm> or by calling the Safe Drinking Water Hotline at 1-800-426-4791. Contaminants at or above the MCL are considered to impart potential negative health effects.

**otation 3:** The Secondary Maximum Contamination Level (SMCL) is set by the United States Environmental Protection Agency (USEPA) through the National Secondary Drinking Water Regulations and these contaminants are not considered to present a risk to human health at the SMCL. These regulations can be found online at <http://water.epa.gov/drink/contaminants/secondarystandards.cfm> or by calling the Safe Drinking Water Hotline at 1-800-426-4791. Contaminants at or above (or below, only for TDS) the SMCL may cause aesthetic considerations, such as taste, color and/or odor.

**otation 4:** According to the EPA revised total coliform rule (effective April 1st, 2016) total coliform bacteria are no longer considered a primary contaminant. Total coliform bacteria are still used as indicator organisms for the presence of pathogens. Their presence in drinking water may indicate there is a route for pathogens (certain bacteria, viruses or protozoa) to enter the drinking water. Even though there is no longer an EPA limit, the presence of total coliform bacteria in drinking water is a problem requiring further action and investigation. If your water has tested positive for total coliform bacteria it is important to examine your water system and take action to eliminate the total coliform bacteria when possible. Please see the well disinfection procedure for more information @ <http://www.nelabservices.com/pdf/Well-Disinfection-Instructions.pdf>.

**This report shall not be reproduced, except in full, without written permission from Northeast Laboratory Services.**

**If you have any questions regarding your results please call 1-800-244-8378 ext 300**

Authorized By



Megan Pushover, Laboratory Technical Director

8/5/2021

Review Date

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Winslow lab is accredited by the State of Maine Department of Health and Human Services, Maine Center for Disease Control and Prevention (ME00009) and by the National Environmental Laboratory Accreditation Program (NELAP) through the State of New Hampshire Environmental Laboratory Accreditation Program (#2534). For a current list of certifications see our website: [www.nelabservices.com](http://www.nelabservices.com).

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
Division of Health Engineering, 10 SHS  
(207) 287-6672 Fax: (207) 287-3166

<b>PROPERTY LOCATION</b>		<b>&gt;&gt; CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW &lt;&lt;</b>	
City, Town, or Plantation	CHINA	CHINA 2731 TOWN COPY Date Permit Issued: <u>10.08.02</u> \$ <u>3.00</u> <input type="checkbox"/> Double Fee <input type="checkbox"/> FES Charged Local Plumbing Inspector Signature: <u>[Signature]</u> L.P.I. # <u>751</u>	
Street or Road	RT. 3		
Subdivision, Lot #			
<b>OWNER/APPLICANT INFORMATION</b>			
Name (last, first, MI)	BAILEY, SCOTT		
	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	RFD 2 10 BRADDOCK WAY PO. CHINA ME 04358		
Daytime Tel. #	445-5102	Municipal Tax Map # <u>34</u> Lot # <u>26</u>	
<b>OWNER OR APPLICANT STATEMENT</b> I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		<b>CAUTION: INSPECTION REQUIRED</b> I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules application. <u>10/31/02</u> (1st) date approved	
Signature of Owner or Applicant: <u>[Signature]</u> Date: <u>10.08.02</u>		Local Plumbing Inspector Signature: <u>[Signature]</u> (2nd) date approved: _____	

PERMIT INFORMATION		
<b>TYPE OF APPLICATION</b> <input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type replaced: _____ Year installed: _____ <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	<b>THIS APPLICATION REQUIRES</b> <input checked="" type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<b>DISPOSAL SYSTEM COMPONENTS</b> <input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify: _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous Components
<b>SIZE OF PROPERTY</b> <input type="checkbox"/> SQ. FT. <u>8 ±</u> <input checked="" type="checkbox"/> ACRES	<b>DISPOSAL SYSTEM TO SERVE</b> <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) Current Use <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped	<b>TYPE OF WATER SUPPLY</b> <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<b>TREATMENT TANK</b> <input checked="" type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input checked="" type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: <u>1000</u> GAL.	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> <input checked="" type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <u>891</u> sq. ft. <input type="checkbox"/> lin. ft.	<b>GARBAGE DISPOSAL UNIT</b> <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. _____ tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	<b>DESIGN FLOW</b> <u>270</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.2 (other facilities) SHOW CALCULATIONS --- for other facilities ---
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE CONDITION DESIGN <u>2 / A1L / 1</u> at Observation Hole # <u>702</u> Depth <u>16"</u> of Most Limiting Soil Factor	<b>DISPOSAL FIELD SIZING</b> <input type="checkbox"/> 1. Small---2.0 sq. ft. / gpd <input type="checkbox"/> 2. Medium---2.6 sq. ft. / gpd <input checked="" type="checkbox"/> 3. Medium---Large 3.3 sq. ft. / gpd <input type="checkbox"/> 4. Large---4.1 sq. ft. / gpd <input type="checkbox"/> 5. Extra Large---5.0 sq. ft. / gpd	<b>EFFLUENT/EJECTOR PUMP</b> <input checked="" type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	<input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA

SITE EVALUATOR STATEMENT			
I certify that on <u>9-19-02</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).			
Site Evaluator Signature: <u>[Signature]</u>	SE #: <u>168</u>	Date: <u>10-4-02</u>	
Site Evaluator Name Printed: <u>JOHN W. LOED JR.</u>	Telephone Number: <u>207-445-7402</u>	E-mail Address: <u>polos5</u>	
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator. DESIGN SUBJECT TO LOCAL, STATE + FEDERAL ORDINANCES.			

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
Division of Health Engineering, Station 19  
(207) 287-8872 Fax: (207) 287-3165

Town, City, Plantation

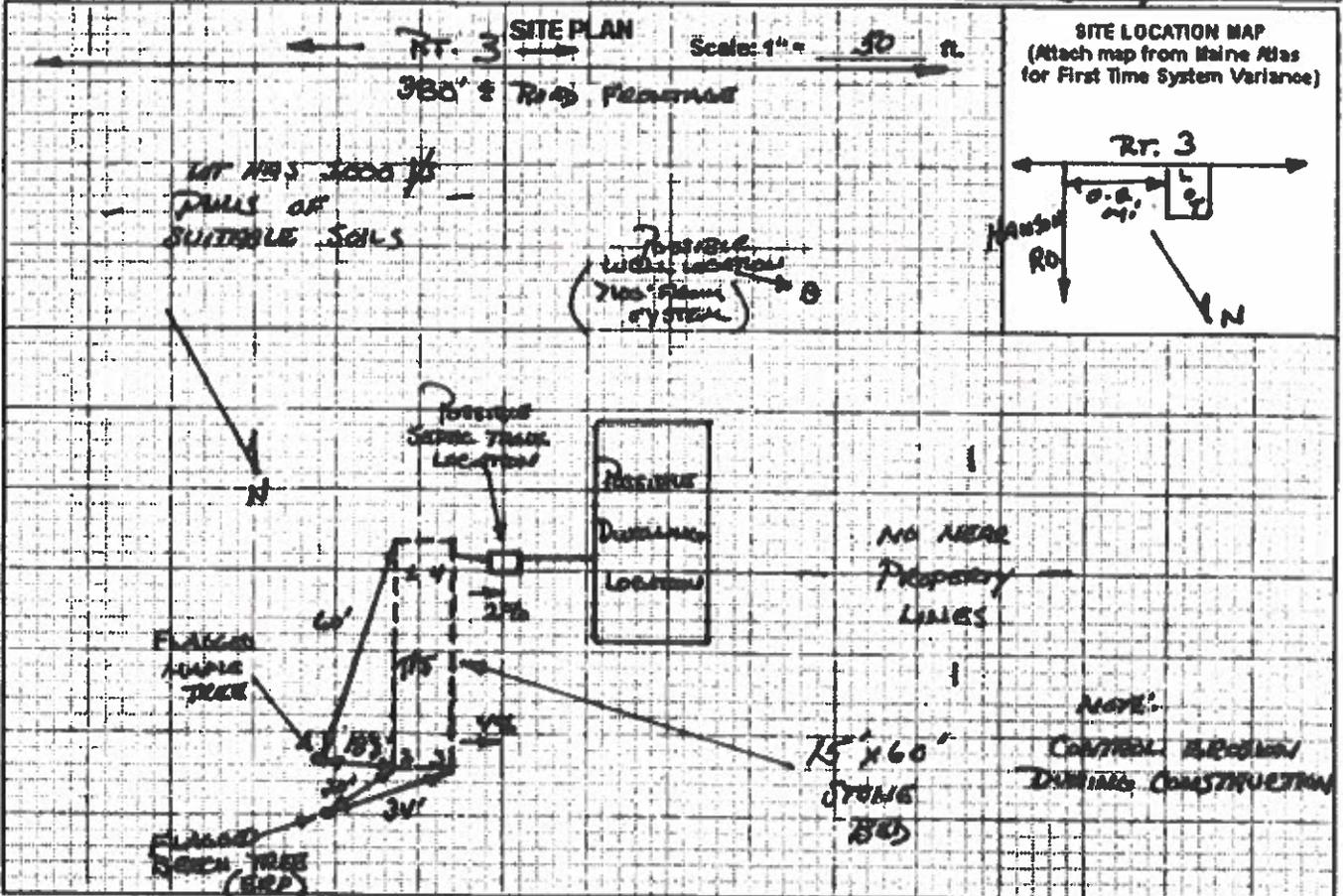
CHINA

Street, Road, Subdivision

Rt. 3

Owner or Applicant Name

SCOTT BAILEY



SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # TP 1  Test Pit  Boring

Depth below mineral soil surface (inches)	Depth of organic horizon above mineral soil				
	Texture	Consistency	Color	Mottling	
0			BROWN		
6	SANDY				
12	LOAM	FRAGILE	ORANGE	NONE	
18			BROWN	OBSERVED	
24	BEDROCK				
30	BEDROCK				
36	BEDROCK				
42	BEDROCK				
48	BEDROCK				
Soil Profile		Classification	Slope	Limiting Factor	Groundwater
2		A1L	2	34	Resistive Layer
Profile		Condition	Percent	Depth	Bedrock

Observation Hole # TP 2  Test Pit  Boring

Depth below mineral soil surface (inches)	Depth of organic horizon above mineral soil				
	Texture	Consistency	Color	Mottling	
0			BROWN		
6	SANDY			NONE	
12	LOAM	FRAGILE	ORANGE	OBSERVED	
18			BROWN	OBSERVED	
24	BEDROCK				
30	BEDROCK				
36	BEDROCK				
42	BEDROCK				
48	BEDROCK				
Soil Profile		Classification	Slope	Limiting Factor	Groundwater
2		A1L	2	16	Resistive Layer
Profile		Condition	Percent	Depth	Bedrock

*John W. [Signature]*  
Site Evaluator Signature

168  
SE #

10-4-02  
Date

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP 3 [X] Test Pit [ ] Boring

ONE Depth of Organic Horizon Above Mineral Soil

Table with columns: Texture, Consistency, Color, Mottling. Rows 0-80 inches depth. Handwritten entries: SANDY, LOAM, FRAGILE, BROWN, ORANGE, BEDROCK.

Summary box: Soil 2, Classification A1L, Slope 4%, Limiting Factor 28, Ground Water, Rooting Layer, Bedrock.

Observation Hole TP 4 [X] Test Pit [ ] Boring

ONE Depth of Organic Horizon Above Mineral Soil

Table with columns: Texture, Consistency, Color, Mottling. Rows 0-80 inches depth. Handwritten entries: SANDY, LOAM, FRAGILE, BROWN, ORANGE, BEDROCK.

Summary box: Soil 2, Classification A1L, Slope 2%, Limiting Factor 27, Ground Water, Rooting Layer, Bedrock.

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP 5 [X] Test Pit [ ] Boring

ONE Depth of Organic Horizon Above Mineral Soil

Table with columns: Texture, Consistency, Color, Mottling. Rows 0-80 inches depth. Handwritten entries: SANDY, LOAM, FRAGILE, BROWN, ORANGE, BEDROCK.

Summary box: Soil 2, Classification A1L, Slope 2%, Limiting Factor 20, Ground Water, Rooting Layer, Bedrock.

Observation Hole [ ] Test Pit [ ] Boring

Depth of Organic Horizon Above Mineral Soil

Table with columns: Texture, Consistency, Color, Mottling. Rows 0-80 inches depth. Empty table.

Summary box: Soil, Classification, Slope, Limiting Factor, Ground Water, Rooting Layer, Bedrock.

Handwritten signature of site evaluator.

Site Evaluator Signature

SE 1

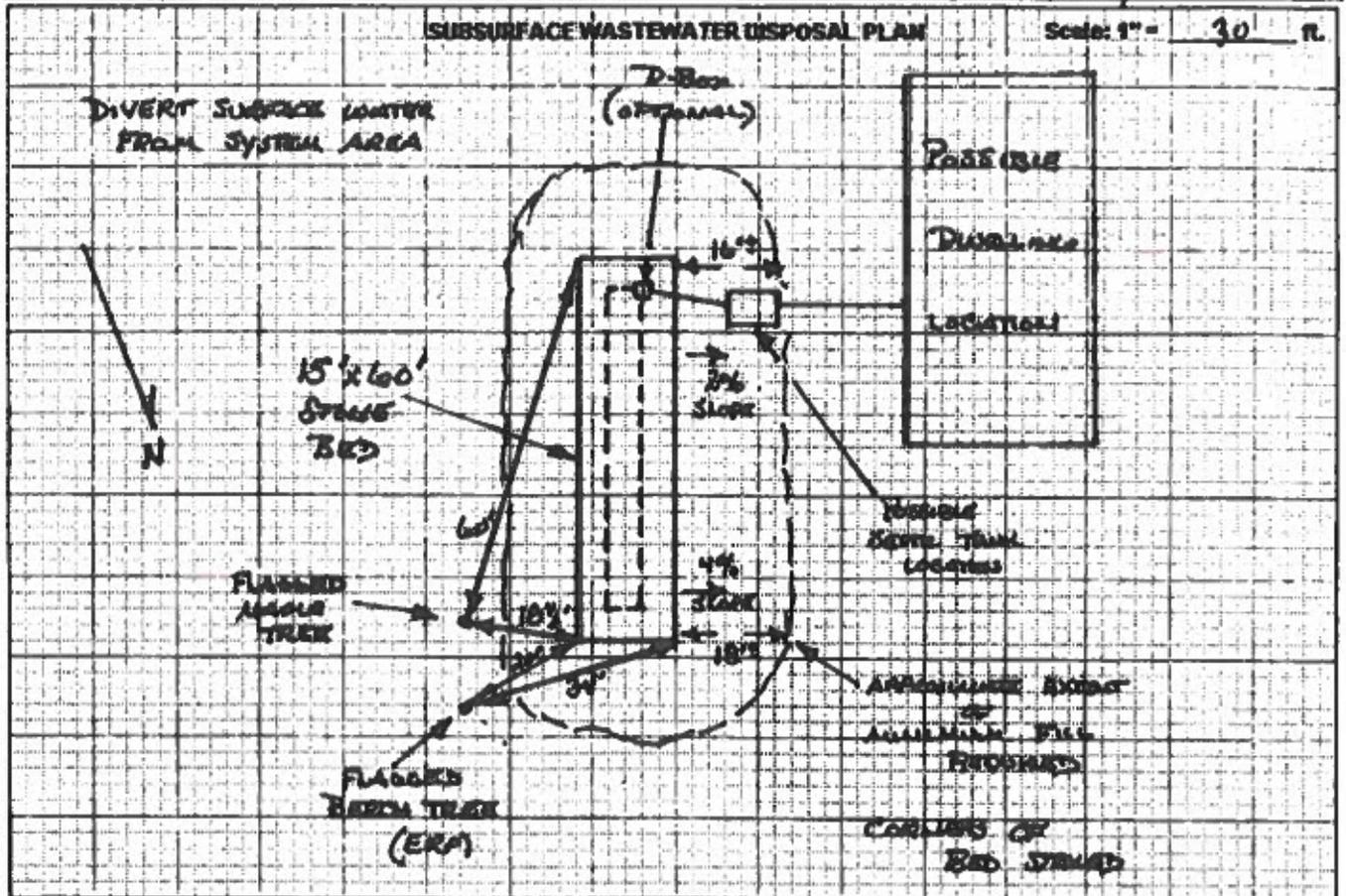
10-4-02 Date

Page 3 of 5

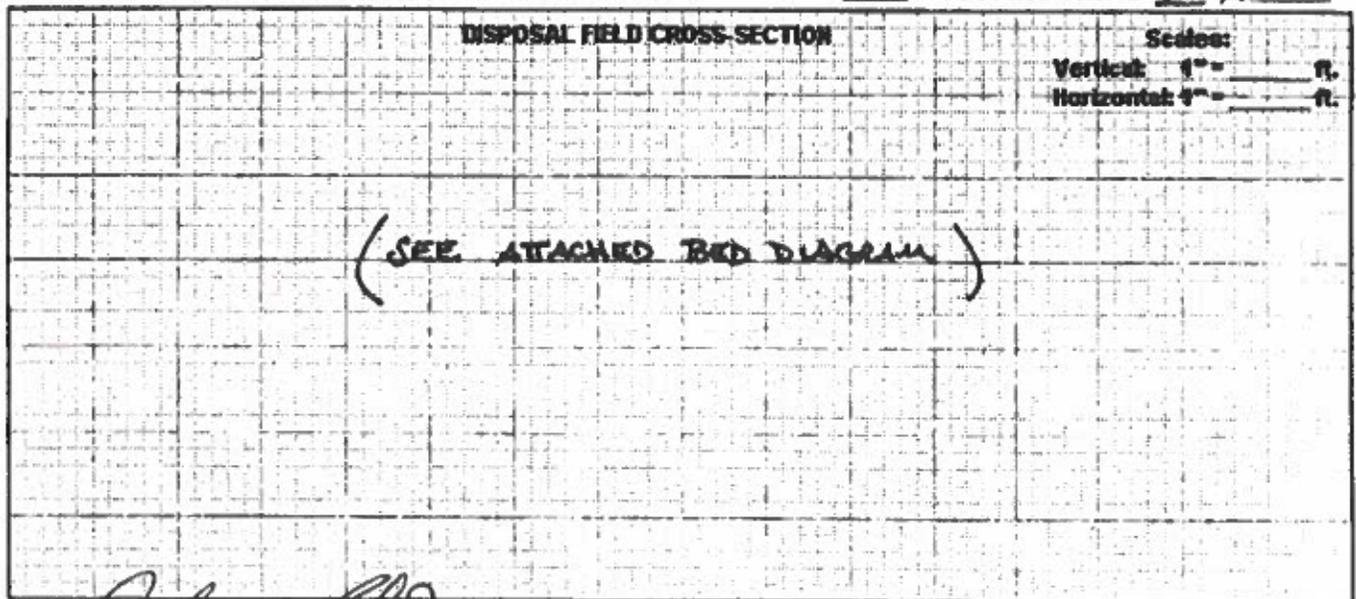
**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

Maine Department of Human Services  
Division of Health Engineering, Station 19  
(207) 287-9979 Fax: (207) 287-3165

Town, City, Plantation <b>CHINA</b>	Street, Road, Subdivision <b>Rt. 3</b>	Owner or Applicant Name <b>SCOTT BAILEY</b>
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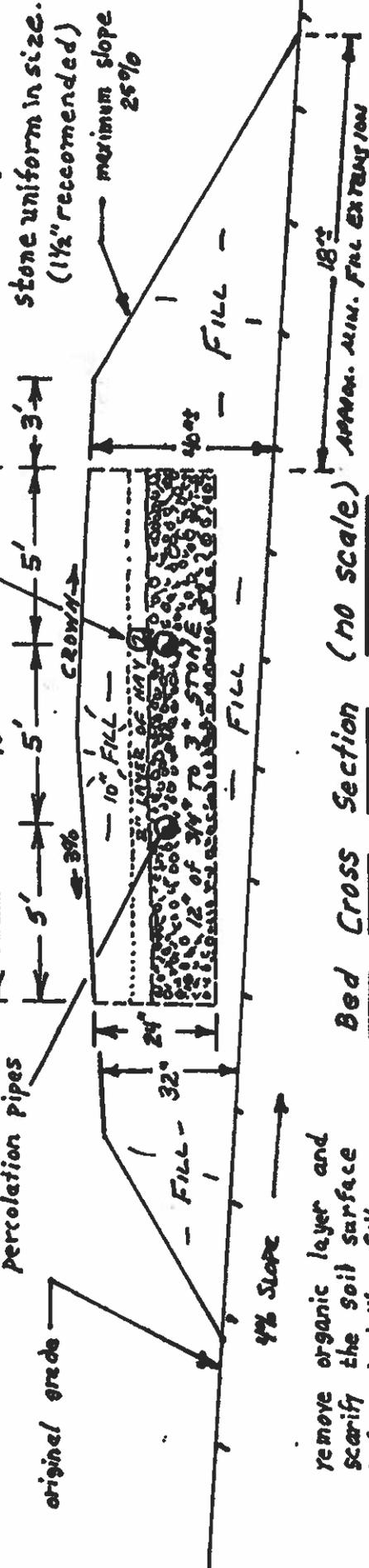


BACKFILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT (BSP)	
Depth of Backfill (upslope)	32'	Finished Grade Elevation	-29'	Location & Description:	FLAGGED MARK IN PAVED DRIVE-WAY
Depth of Backfill (downslope)	36' to 40'	Top of Distribution Pipe at Proposed Depth	-42'		37' ABOVE EXISTING GROUND AT TIME
DEPTHS AT CROSS-SECTION (shown below)		Bottom of Disposal Field	-53'	Reference Elevation is:	0.0' MSL

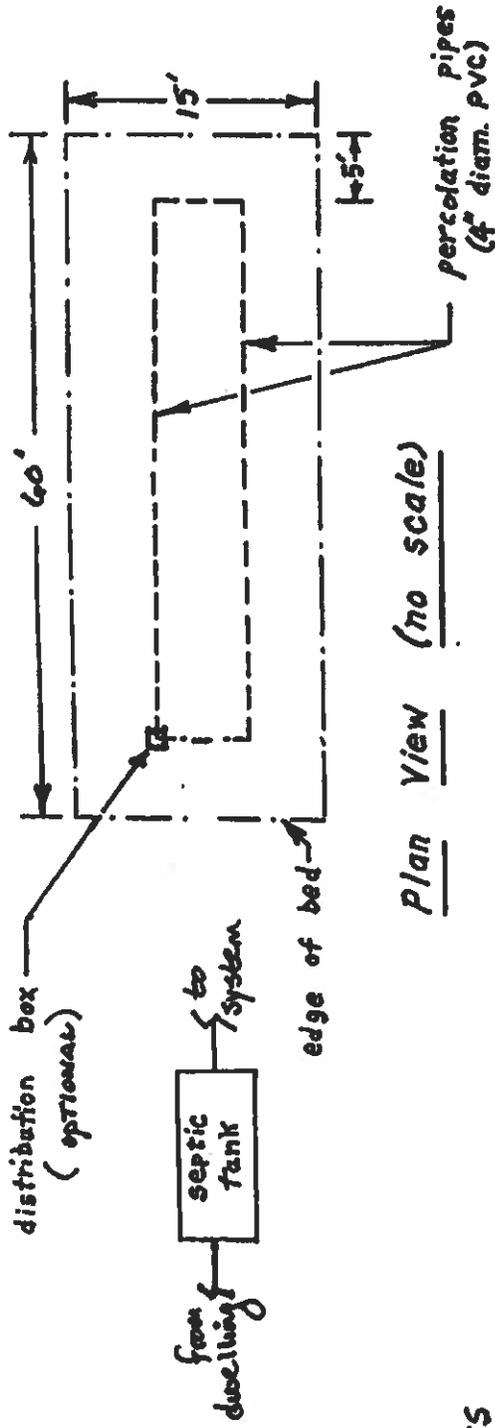


# SEWAGE DISPOSAL BED DETAILS

4" joam cover, mulch and seed required.



remove organic layer and scarify the soil surface before installing fill.



Plan View (no scale)

NOTES

- 1.) 32 inches of fill is required at uphill side of bed.
- 2.) Texture of fill shall be gravelly coarse sand.
- 3.) Refer to the MAINE STATE PLUMBING CODE, PART II for further details regarding installation procedures.

FOR: SCOTT BAILEY

DATE: 10-4-02

BY: *John W. Lord*  
JOHN W. LORD JR. #168

**From:** [Dionne, Cindy L](#)  
**To:** [Bryan mason](#)  
**Cc:** [Jill Polster](#); [Mitnik, Enid](#); [Code Enforcement Officer](#)  
**Subject:** RE: China Maine , shipping container use -Cannabis  
**Date:** Monday, September 12, 2022 10:56:28 AM  
**Attachments:** [1144 Route 3 Water Quality Results.pdf](#)

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Good morning Bryan,

Thank you for giving me a call on Friday and explaining that there is a subsurface system on site for the wastewater discharge. It is my understanding, given the information and raw water lab analytical data (attached) that you have provided, that the discharge of the hash wash wastewater combined with the on site RO system waste water to the subsurface system does not need a license with the Department. I have copied the Town of China Code Officer for their information, or if they require additional information or licensure/permitting for the site.

Please let me know if you require additional information.

Take care,

Cindy L. Dionne  
Environmental Specialist in the Bureau of Water Quality  
Maine Department of Environmental Protection  
207-446-3820  
[www.maine.gov/dep](http://www.maine.gov/dep)

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**From:** Bryan mason <1776realestate.us@gmail.com>  
**Sent:** Thursday, September 08, 2022 11:36 AM  
**To:** Dionne, Cindy L <Cindy.L.Dionne@maine.gov>  
**Subject:** Re: China Maine , shipping container use -Cannabis

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Good morning Cindy,

I am checking in to see if we can move forward.

Thank you,

Bryan

On Tue, Sep 6, 2022 at 9:32 AM Bryan mason <[1776realestate.us@gmail.com](mailto:1776realestate.us@gmail.com)> wrote:

I have read through the email below regarding hash wash water and RO system discharge. I have a few follow up questions/requests:

1. Would you please provide the lab data for the raw groundwater as you stated in #3 below. **Water test is attached, Although it technically appears to be 13 months ago for the test.**
2. As I understand it, the wastewater discharge from the hash wash wastewater using RO water is approximately 150 gpd. Does this include the water that the RO system "wastes" to create the finished drinking water

product? The original 150 gallons per week estimate did not include the waste water. Our R/O system produces roughly 3 gallons of waste water per gallon of reverse osmosis water, so total drainage per week based off of those ratios would be ~600 gallons per week.

3. Is this 'waste' RO water directed to a subsurface disposal system, or where is this disposed of (or proposed to be disposed of)? Based on our research into reverse osmosis waste water disposal, our proposed method would be to drain it into the same drain as the sink. We also plan to capture and reuse 1/4-1/3 of the approximately 450 gallons of waste water per week to use for surface cleaning, mopping, etc. We are open to any alternative suggestions or ideas you may have as well.

Warm Regards,  
Bryan

On Tue, Sep 6, 2022 at 8:27 AM Dionne, Cindy L <[Cindy.L.Dionne@maine.gov](mailto:Cindy.L.Dionne@maine.gov)> wrote:

Good morning Bryan,

I have read through the email below regarding hash wash water and RO system discharge. I have a few follow up questions/requests:

1. Would you please provide the lab data for the raw groundwater as you stated in #3 below.
2. As I understand it, the wastewater discharge from the hash wash wastewater using RO water is approximately 150 gpd. Does this include the water that the RO system "wastes" to create the finished drinking water product?
3. Is this 'waste' RO water directed to a subsurface disposal system, or where is this disposed of (or proposed to be disposed of)?

This will give us a better idea as to the total discharge to ground for the site.

Thank you,

Cindy L. Dionne  
Environmental Specialist in the Bureau of Water Quality  
Maine Department of Environmental Protection  
207-446-3820  
[www.maine.gov/dep](http://www.maine.gov/dep)

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**From:** Mitnik, Enid <[Enid.Mitnik@maine.gov](mailto:Enid.Mitnik@maine.gov)>  
**Sent:** Friday, September 02, 2022 10:11 AM  
**To:** Dionne, Cindy L <[Cindy.L.Dionne@maine.gov](mailto:Cindy.L.Dionne@maine.gov)>  
**Subject:** FW: China Maine , shipping container use -Cannabis

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**From:** Bryan mason <[1776realestate.us@gmail.com](mailto:1776realestate.us@gmail.com)>  
**Sent:** Friday, September 2, 2022 9:27 AM  
**To:** Code Enforcement Officer <[CEO@chinamaine.org](mailto:CEO@chinamaine.org)>; Mitnik, Enid <[Enid.Mitnik@maine.gov](mailto:Enid.Mitnik@maine.gov)>; Jill

Polster <[jill@cohenlawmaine.com](mailto:jill@cohenlawmaine.com)>

**Subject:** China Maine , shipping container use

**EXTERNAL: This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Good Morning,

I hope all is well with everyone. Below are the responses to the questions posed, thank you for your assistance.

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We need more information on what you are plan to be doing in your shipping containers to produce hash from cannabis. Please understand that all the regulators have specific requirements that are now having to be “interpreted” for each unique cannabis operation as it relates to our laws and regulations. The shipping containers have unique challenges to meet local building, fire and plumbing codes and other State regulations.

Please explain any improvements you will be undertaking to retrofit the shipping containers. Will the shipping containers be seasonal or year round use? **Currently our plan is to give the shipping container building access to reverse osmosis water, otherwise known as RO water. Primarily the unit intended for the use of Solventless hash washing, which has zero waste asides from plant matter. We intend to use it for year round use and fitted it as such, however, I am sure it will not start off that way. Additionally, there will be a small room for the caregivers office within the shipping container. Nick, if you have the paperwork for that, could you please send that over? or I could pick it up at the office, whatever is easier, please and thank you.**

For DEP, what we need to know is related to any discharge or waste disposal. In your case, I understand that you are going to retrofit shipping containers for processing hash using bubble bags (similar to [these](#)?). **1.) The hash washing bags we intend to use are these [here](#)**

I was told that you are putting sinks in these shipping containers so I am assuming you will be dumping these bags and cleaning these bags in the sink. **We would be cleaning the bags in the sink.**

So first we need to determine the amount of wastewater you will be generating from these bags and overall use of the sinks – how many gallons per day to be discharged and what is in the wastewater? **2.) We forecast using close to 150 gallons per week . It's a solventless extract, so the waste is all organic plant matter mixed with RO water.**

We will need to know what you have tested your source water (well water) for this process use – arsenic, radionuclides, PFAS/PFOA, routine drinking water panel testing. Are you treating the source water? You will need to provide the sample of the source water analytical to us should we rule that you need a waste discharge license. I assuming you have a drilled bedrock well. **3.) Reverse Osmosis Systems will remove common chemical contaminants (metal ions, aqueous salts), including sodium, chloride, copper, chromium, and lead; may reduce arsenic, fluoride, radium, sulfate, calcium, magnesium, potassium, nitrate, and phosphorous. I have a water test from 10 months ago strictly from the well water(excluding RO), if that works I can give you those results. If you need updated ones, let me know, I would be more than happy to help you.**

We were told that you want to discharge these sinks into a “retention basin”. This is not

stormwater so not sure what you mean by “retention basin”. Again, we would need to know what you envision doing with the wastewater discharge after determining what is in the wastewater both chemically and particulate matter given that it appears you are going to dump all the bag material left over into the sink. I am not sure how that works with tracking plant material disposal (that would be Office of Cannabis Policy (OCP) call)? I am assuming what you are looking to build and get approved is an infiltration basin to infiltrate the wastewater and then compost the plant matter? I am also assuming the material is not grinded down before immersing in water. Is this what you want to do – please explain the process?

4.) I was looking into two options, for discharging the water, possibly 3. One option was to discharge the water into location on the property that appears to be made for access water build up. It includes drainage. Since it's solventless, and we don't use pesticides, this option occurred to me. Option 2, was to run the osmosis water out to the shipping container, and tie it back into the sewer system. Ideally, I would like to compost the plant material in accordance with OCP standards. I am aware we also have the option to render cannabis waste useless, usually by mixing with bleach, but that is less environmentally friendly than composting.

I have confirmed that you have a medical marijuana license with the OCP (see attached) so are you growing the plants in one of the other shipping containers or buying the plant material? Is there testing for whether the material has any pesticide or other chemical residue that the wastewater will need testing to detect? Are you using any other chemical reagents or fungicides or chemical cleaning agents that will discharge from these structures? 5.) We are not growing cannabis in any of the shipping containers, they are simply storage. We are not currently using any chemical reagents, fungicides or cleaning agents on our plants. I am unaware of any tests for pesticides & chemical residues, I do believe samples can be sent out to labs to check for this.

I am assuming that you will be using no solvents or other extraction fluids other than water. 6.) Correct, 100% solventless, with reverse osmosis water

I also assume the shipping containers have no floor drains that also are regulated for any discharge. Please confirm that the only discharge is the sink. 7.) Correct, at the moment, the sink is the only discharge request we have.

Once we have more information on what you plan to do at 1144 Route 3, China Maine location we can better discuss what regulations you will have to meet for your unique operation. I look forward to hearing from you, and appreciate all your assistance.

I am sure Nick can explain the Town's ordinances that apply – building - fire codes, plumbing code, marijuana ordinances, etc. – that would cover use of a shipping container as a business operation. I understand the only permit you have received from the town is to use the shipping containers for storage – I assume this would be a change of use to now run a business operation within the containers. It's just the one container we are using for the hash machine, yes this process would imply that we intend to change the use of a single shipping container.

**I appreciate all the help, information and direction! If you need anything, don't hesitate to reach out.**

**Warm Regards,  
Bryan**