

Mark Cenci Geologic, Inc.

93 Mill Road • North Yarmouth, Maine 04097
Cell: 207.329.3524 • mark@markcenci.com
www.markcenci.com

CERTIFIED GEOLOGIST/LICENSED SITE EVALUATOR



December 6, 2016

Nick Nappi
1035 Ocean Avenue
Portland, ME 04103

RE: Septic system and Take Out food business

Dear Nick:

The Maine Subsurface Wastewater Disposal Rules requires a Take Out Food Service, such as what you propose, to have a septic system sized for 100 gallons of water use per day; or 1 gallon per meal sold per day plus 12 gallons per day for each employee.

You currently have 2 employees, plus yourself. You plan on selling 20 meals per day. Therefore your business model requires a system sized for 56 gallons per day, which is less than the minimum required of 100 gallons per day.

On May 30, 2014 I performed a septic system inspection of the 1954 septic system serving the foundry. The system is a 12' x 74' stone and pipe bed, served by a 750 gallon septic tank. The system was working properly at the time of the inspection, probably because it was oversized for its use and rested for a long time before you purchased the property. This system can dispose of 295 gallons per day, based on the current criteria of the Rules. This system is larger than what is required by the Rules.

However, it is important for you to replace the old metal 750 gallon tank with a new concrete tank of 1000 gallons capacity. In addition, I recommend you install a filter on the outlet of the tank, to protect the stone bed from solids migration.

A septic tank permit is required. This can be purchased from the City of Portland. The Plumbing Inspector will inspect the pipe connections after installation. You do not need a septic system design to replace a septic tank. The old metal tank can be either removed or crushed in place. The new tank must be more than 8 feet from a building foundation and more than 5 feet from a property line.

Please contact me if you have any questions.

Mark Cenci, LSE #262



**Septic System Inspection
1025 Ocean Avenue, Portland**

Date: June 9, 2014.

To: Nick Nappi
1025 Ocean Avenue
Portland, ME 04103

Date of Inspection: May 30, 2014.

Location of System: 1025 Ocean Avenue, Portland.

Building Inventory:

Type of Building: Foundry.

Number of Employees: Historically 12 to 15; currently 3.

Drinking water supply: Public water.

Septic Tank:

Type: Steel

Capacity: 750 gallons.

Age: Original to the building, (1954).

Date last pumped: Unknown.

Septic tank outlet filter: No.

Pump Station: The system drains by gravity from the tank to the field.

Wastewater Disposal Area:

Plan Available for Review: Yes.

System Designer: Lester Irving Beal, Maine Architect #1

Size: The disposal area is a stone and pipe bed, 12' x 74' in size.

Approximate age: 1954

Effluent elevation: The stone was dry and clean, with no visible standing water.

Evidence of Septic System Malfunction:

Backup in pipes: None.

Surfacing of wastewater: No evidence of surfacing was observed.

Results of Inspection:

The system was installed as designed in 1954 and has continued to be used since. The system was sized to dispose of several hundred gallons of water per day, based on current sizing criteria. The system was not designed to accept industrial process water, rain runoff or floor drain water. It is likely the system was never used to its capacity, as 14 employees would use less than 100 gallons per day. Over time the flow of wastewater has decreased and use now is minimal.

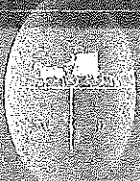
The stone of the disposal area was investigated with a soil auger and probe and found to be functioning properly. No visible back up of wastewater was seen.

The steel septic tank should be removed and replaced by a 1000 gallon concrete septic tank, installed in the same location, piped to the existing sewer and stone bed.

The system was functioning properly at the time of the inspection.



Mark Cenci
Licensed Site Evaluator #262



Portland Water District

Send Correspondence to:

Address:
225 Douglass St
P.O. Box 3553
Portland, ME 04104-3553

Office Hours:

8:00 a.m. - 4:30 p.m.
Monday through Friday
Phone: 207 761 8410

Web Site and E-Mail:

www.pwd.org
customerservice@pwd.org

Customer Name LKLC **Account Number** 126036-02

Service Address 1035 OCEAN AVE PORTLAND

***** **Payment due by 12/05/2016.** ***** Page 1 of 1

Account Detail:

	MEMBER	WATER CHARGES	WASTEWATER CHARGES	TOTAL
PREVIOUS BALANCE				\$158.98
Payment - Thank You				\$158.98 CR
BALANCE FORWARD				\$0.00
CURRENT CHARGES				
Consumption Charge		\$17.42	\$0.00	\$17.42
Reconnection Fee		\$56.00	\$0.00	\$56.00
Total Current Charges		\$73.42	\$0.00	\$73.42
TOTAL AMOUNT DUE				\$73.42

YOUR 13 MONTH CONSUMPTION SUMMARY
(Hundred Cubic Feet)

Month	Water	Waste Water	Days
11/16	04		30
10/16	12		33
09/16	05		28
08/16	05		29
07/16	09		30
06/16	20		32
05/16	04		29
04/16	00		29
03/16	01		32
02/16	00		29
01/16	01		31
12/15	01		33
11/15	04		29

Hundred Cubic Feet = 748 Gallons

Customer Meter Summary:

METER TYPE: P = Primary S = Submeter R = Reverse Submeter F = Fireline

METER NUMBER	METER TYPE	READ DATE	PRIOR READ DATE	BILL DATE	CURRENT METER READING	PRIOR METER READING	CONSUMPTION (HCF)
A17068672	P	11/03/16	10/04/16	11/11/16	8160	8156	4

Notes

Blank area for notes.

Refer to back for customer information, online payment options, or to make mailing address changes.
Remit Total Payments to:

Portland Water District
PO Box 6800
Lewiston ME 04243-6800



LKLC
1035 OCEAN AVE
PORTLAND, ME 04103-4705

7245
B1

BILL DUE UPON RECEIPT

ACCOUNT NUMBER 126036-02

Water	\$	_____
Wastewater	\$	_____
AMOUNT ENCLOSED	\$	_____

To Avoid Late Fees Of .56500% For Water

PAY TOTAL AMOUNT DUE BEFORE 12/11/2016

Total Amount Due: \$73.42



11260360200007342000000000000073428