

TOWN OF ESSEX

CERTIFICATE OF OCCUPANCY APPLICATION

DATE OF REQUEST: 1-5-12 FEE: \$85.00 pc (includes recording)

MAP/PARCEL/LOT: 015-006-101

NO. 2011-101

The undersigned herewith requests an inspection of the premises and the issuance of "Certificate of Occupancy" of premises, or portion thereof, for use or habitation.

- This request is for use only of existing land or buildings.
- This request is for new construction or rehabilitated or altered structure which was done under authority of zoning permit # 2011-101

issued to Hector + Debra Boutin on 7-14-11

Premises are at 324 Browns River Road Essex Jct VT.

Water service installation inspected and approved by private

Driveway location inspected and approved by Randy Snelling

Sanitary sewer connection or septic system inspected and approved by:

Name: John P. P. Trowiski Date: Dec. 12 2011 WW4-30873-R
see attached inspection report

Construction was begun Sept 12, 2011 and completed Dec 30, 2011

Approval granted by P.C. or Z.B.A. on 5/13, 2010.

Use of premises intended single dwelling 3 bedroom home,
(type of use) unfinished basement.

Applicant's Signature: Hector Boutin Telephone: 879-6045 Cell: 363-4970
FAX 8631867

By issuance of this Occupancy Permit, the Town of Essex Zoning Administrator hereby acknowledges that the use and/or building construction is in complete conformity with the Zoning Regulations, unless otherwise noted. Field measurements and similar dimensions for setbacks are based in part on evidence supplied by owner. The Town of Essex is not liable for errors or mistakes when it is found that information submitted by the applicant is erroneous or inaccurate.

Certificate of Occupancy has been approved with without conditions.
If with conditions, see attachment outlining same.

Certificate of Occupancy denied . Please see attachment with reasons for denial.

1-11-12
Date Sharon L. Kelley
Zoning Administrator

**TRUDELL CONSULTING ENGINEERS (TCE)**

December 12, 2011
Mr. William Zabiloski
ANR~WW MAN. DIV.
111 West Street
Essex Junction, Vt. 05452

tel: 802-879-6331
fax: 802-879-0060
www.truedellconsulting.com

RE: Hector & Debra Boutin
319 Browns River Road
Essex Jct., Vt. 05252

Dear Bill,

This letter is in response to Condition # 3.4 of the Water Supply and Wastewater Disposal Permit # WW-4-3087-3R issued on January 14, 2011. We observed construction of the disposal system serving this project, on 12-15-2011 using a reasonable standard of care customary for this scope of work.

Listed below is a brief summary of our findings:

1. The contractor is Jim Weston.
2. The septic tank is a 1000 gallon pre-cast concrete tank that was set level and contained appropriate baffles.
3. The pump station is a 1500 gallon molded fiber glass tank that contained the pump, check valve, ball valve, and union. The pump is a 1.5 HP.
4. The pump station vent was installed with an odor control device.
5. The force main is 2-inch PVC SDR 21. A hydrostatic pressure test was conducted on the force main. Pressure was established at 50 psi. The pressure held constant for a period in excess of 2 hours with no measurable loss.
6. The mound surface was plowed prior to sand fill being brought in. A copy of the sieve analysis is attached.
7. Prior to the distribution piping being covered, the pump was activated to observe distribution in the disposal field. The orifice spacing was 5.0 feet on center with 5/16"-inch holes. Distribution was observed to be equal.
8. The manifold was insulated with Styrofoam board.
9. The absorption trenches were constructed level.
10. The uphill drainage swale curtain drain had been installed and seeded.
11. No replacement area was needed.
12. Hector Boutin was to finish seeding and mulching the forcemain route to the mound.
13. An insulation board was placed onto the inside of the access panel to the Biofilter.
14. The well was built south of the proposed location but still in the general location.

JAN 13 2012

P.O. Box 308

478 Blair Park Road

Williston, Vermont 05495

Civil Engineering, Surveying, Land Planning, Water and Wastewater, Landscape Architecture, Roadway Design, Permitting

rec'd 1-4-12

15. The septic tank and Biofilter were placed on the northeast corner of the building instead of the north side of the building.

The following recommendations were made to the contractor prior to completing the job.

1. Insulation should be placed along the forcemain route.

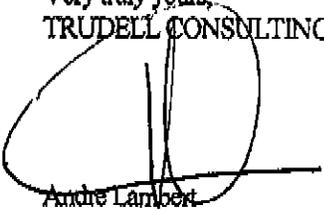
The following are notes and recommendations that should be followed by the homeowner to aid in the proper operation and longevity of the disposal system.

1. The owner is responsible for operating the disposal system in a manner which will protect the public health and prevent pollution.
2. New disposal systems require adjustments or modification during start up and during the life of the system. These adjustments include leveling the septic tank, pump station or siphon due to settlement or frost action. Fill may be added to repair erosion or level settled areas.
3. The septic tank and effluent-filter should be inspected annually, and the tank pumped out every 3 years. It is recommended that the septic tank be pumped out during dry times of the year and if it is pumped out during any other time of the year it be immediately filled with water after pumping to prevent the tank from floating.
4. The effluent-filter should be cleaned annually during the inspection of the septic tank. This involves grabbing the filter by the handle, pulling it straight up, and rinsing it off with a garden hose, (letting and debris and water fall back into the septic tank).
5. The life of the disposal system can be affected by a variety of operational and environmental factors. The presence of excess groundwater, rainwater, introduction of material other than human wastes, or excessive sewage flows will adversely affect operation of any disposal system. Soil settlement, freezing of components and clogging due to organic solids accumulation will require repairs.
6. The owner is responsible for compliance with state and local operation and maintenance requirements. The engineer and contractor assume no responsibility for the improper use and/or maintenance of the system.
7. The owner is responsible for all state and local permits and required conditions of said permit. This includes but is not limited to annual inspections and reporting. The owner is also responsible for recording permits in the town land records office.
8. If the system is designed using the performance based design according to previous state permits the system shall be inspected each spring for three consecutive years by a licensed engineer to demonstrate that the system is working as designed.

Based on the above observations, this letter can serve as confirmation that the system was installed in general conformance with the approved plans. This does not relieve the contractor of minor adjustments that may be needed during the initial startup of the system, nor does it relieve the owner of proper use and maintenance. This letter is not intended to imply any type of warranty or guarantee from the engineer since both the use and maintenance are beyond our control. However, given the good workmanship of Jim Weston, we are not anticipating any problems.

JAN 13 2012

Very truly yours,
TRUDELL CONSULTING ENGINEERS

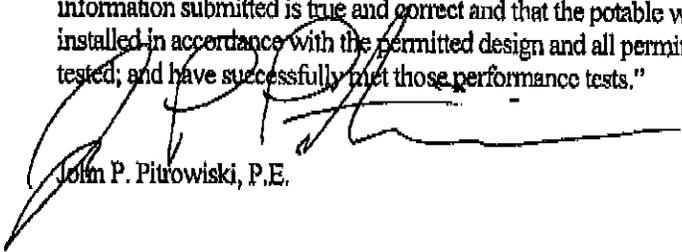


Andre Lambert

Certification Statement:

I, John P. Pitowiski, P.E., hereby certify that the design-related information is true and correct and that, in the exercise of my reasonable professional judgment, the design of the potable water supply and wastewater system meets the technical standards of the Rules.

"I hereby certify that in the exercise of my reasonable professional judgment the installation-related information submitted is true and correct and that the potable water supply and wastewater system were installed in accordance with the permitted design and all permit conditions; were inspected, were properly tested; and have successfully met those performance tests."



John P. Pitowiski, P.E.



Encl.: No enclosures.

cc. Hector & Debra Boutin

JAN 13 2012