

Letter of Transmittal

To: William Nickerson, P.E.
 Division Engineer
 Vermont Department of Environmental Conservation
 Agency of Natural Resources
 Drinking Water and Groundwater Protection Division
 1 National Life Drive (Main Building- Floor 2)
 Montpelier, VT 05620-3521

From: John Pitrowiski, P.E. Date: 5/1/18
 Project Number: 15-203 Project Name: Point Bay Marina

Please find attached the following items:

| Copies | Description | Date |
|--------|------------------------------------|--------|
| 1 | Point Bay PTC Certification Letter | 5/1/18 |
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Comments:
 WSID 8204
 PID #C-3355-17.0
 PIN#EJ96-0210

Copied to: File_PBM

May 1, 2018

William Nickerson, P.E.
Division Engineer
Vermont Department of Environmental Conservation
Agency of Natural Resources
Drinking Water and Groundwater Protection Division
1 National Life Drive (Main Building- Floor 2)
Montpelier, VT 05620-3521

Re: Point Bay Marina – Public Water System Construction Permit #C-3355-17.0
WSID 8204
Charlotte, Vermont

Dear Willie:

This letter is the Engineer's Installation Certification required by Condition # 8 of the Public Water System Construction Permit #C-3355-17.0. Trudell Consulting Engineers (TCE) observed construction of the potable water treatment system serving this project during installation and testing using a reasonable standard of care customary for this scope of work. These observations, in combination with information provided and certified by the Contractor, form the basis for this Certification. Note that detailed as-built information for the installations is pending, and this is intended to be reviewed, processed and submitted prior to the 60 day deadline set by the Water Supply Division's Permit to Construct #C-3355-17.0 condition #7. Bacteriological testing results from the installation, post chlorination and flushing, are attached.

Listed below is a brief summary of our findings:

1. The Treatment Contractor is Culligan and the contractor for site work is S. Denton Excavating of Charlotte, VT.
2. All water distribution lines were disinfected, flushed, and tested for bacteria prior to placement in service per the approved, permitted plans with passing results.

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

1. The owner is responsible for operating the systems in a manner which will protect the public health and prevent pollution.
2. New systems require adjustments or modification during start up and during the life of the system.
3. The life of the systems can be affected by a variety of operational and environmental factors.
4. The owner is responsible for compliance with state and local operation and maintenance requirements. The engineer assumes no responsibility for the improper use and/or maintenance of the system.

5. The owner is responsible for all state and local permits and required conditions of said permits. 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.

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 systems, 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.

Very truly yours,
TRUDELL CONSULTING ENGINEERS (TCE)



John P. Pitrowiski, P.E.
Vice President

Encl. Certification Statement
Bac-t Testing

cc. Point Bay Marina

Certification Statement:

I, John P. Pitrowiski, 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 meets the technical standards of the Rules.

"I hereby certify that in the exercise of my reasonable professional judgment the construction-related information submitted is true and correct and that the components of the public water system authorized by Public Water System Construction Permit # C-3355-17.0 were installed in accordance with Record Drawings and such Record Drawings are in compliance with the applicable rule, were filed with the Secretary, and are in accordance with all other permit conditions, were inspected, were properly tested; and have successfully met those performance tests."



John P. Pitrowiski, P.E.



Laboratory Report



Point Bay Marina 100942
 1401 Thompson Pt. Rd.
 Charlotte, VT 05445
 Atten: Stephen W. Gutowski

PROJECT: WSID 8204 TC SP
 WORK ORDER: 1804-08167
 DATE RECEIVED: April 12, 2018
 DATE REPORTED: April 13, 2018
 SAMPLER: Steve

VT0008204

001 Site: Day Tank Date Sampled: 4/12/18 Time: 9:00

Facility ID: DS001 Smp Pt: TC001 Categ: TC Smp Type: SP Compl Ind: N Repl Ind: N

| Parameter | Result | Units | Method | Analysis Date/Time | Lab/Tech | NELAC | Qual |
|----------------|--------|---------|----------------|--------------------|----------|-------|------|
| Total Coliform | Absent | /100 mL | SM20 9223B(97) | 4/12/18 14:22 | W AKJ | A | |
| e. coli | Absent | /100 mL | SM20 9223B(97) | 4/12/18 14:22 | W AKJ | A | |

002 Site: A-Frame Date Sampled: 4/12/18 Time: 9:00

Facility ID: DS001 Smp Pt: TC001 Categ: TC Smp Type: SP Compl Ind: N Repl Ind: N

| Parameter | Result | Units | Method | Analysis Date/Time | Lab/Tech | NELAC | Qual |
|----------------|--------|---------|----------------|--------------------|----------|-------|------|
| Total Coliform | Absent | /100 mL | SM20 9223B(97) | 4/12/18 14:22 | W AKJ | A | |
| e. coli | Absent | /100 mL | SM20 9223B(97) | 4/12/18 14:22 | W AKJ | A | |

Endyne will submit this data electronically to the State of VT Water Supply Division in accordance with their policy and standards.

The column heading "Lab" denotes the laboratory facility where the testing was performed. "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037. This analysis meets NELAC requirements except as noted. Test results are representative of the samples as they were received at the laboratory. Chlorine field results are provided by the client unless otherwise indicated.

Reviewed by:

Harry B. Locker, Ph.D.
 Laboratory Director

www.endynelabs.com



160 James Brown Dr., Williston, VT 05495
 Ph 802-879-4333 Fax 802-879-7103

56 Etna Road, Lebanon, NH 03766
 Ph 603-678-4891 Fax 603-678-4893





DEPARTMENT OF HEALTH LABORATORY

359 SOUTH PARK DRIVE
COLCHESTER, VT 05446
(802) 338-4724 or (800) 660-9997 (VT only)
www.healthvermont.gov

Results Report

State Health Dept # : 18-WB-02720
Report Status : Final
Date Report Released : 04/18/2018

Report To POINT BAY MARINA INC
ATTN OF STEPHEN GUTOWSKI
Address 1401 THOMSON PT RD

CHARLOTTE, VT 05445

WSID VT0008204
Account Name
Date Received 04/17/2018
Time Received 14:47
Approved Date 04/18/2018

| | | | |
|---|---------------------------|--------------------------------|--------------|
| Sample Desc. | KIT AA | Sample Type | Routine/Comp |
| Collection Date | 04/17/2018 | Free Chlorine Residual | 0.64 mg/L |
| Collection Time | 11:00 | Total Chlorine Residual | 0.81 mg/L |
| Sampled By | Stephen W Gutowski | Chlorinated? | Yes |
| Sampling Location | A - Frame kitchenette tap | Field Temp. | 6.11 C |
| Street Address | 1401 Thompsons Pt Rd | Field Fluoride | |
| Town | Charlotte | Temp at Receipt | |
| Sampler's Comments | | | |
| Sample for PTC compliance Project # C-3355-17.0 | | | |

Test Enzyme Substrate Test

Date/Time of Analysis 04/18/2018 12:00
Test Method SM20 9223B

| Analyte | Result |
|----------------|--------------|
| Total Coliform | Not detected |
| E.coli | Not detected |

Units of Measurement and Definitions:

mL = milliliter, > equals greater than, MPN = Most Probable Number, CFU = Colony Forming Unit, TNTC = Too Numerous To Count

The test results included on this report meet all National Environmental Laboratory Accreditation Program requirements unless noted otherwise.

Test results relate only to the samples tested and are representative of the samples as they were received at the laboratory.

This is a public record. Information contained in this report may be used for statistical purposes and may be released upon request, pursuant to Vermont

Access to Public Documents law (1 V.S.A. 315-320).

This report shall not be reproduced, except in full, without the written approval of the laboratory.

Test Report Authorized By:

Mary Celotti, Laboratory Director

If you have received this report in error or have questions about this report, please call the laboratory at (802) 338-4724.



DEPARTMENT OF HEALTH LABORATORY

359 SOUTH PARK DRIVE
COLCHESTER, VT 05446
(802) 338-4724 or (800) 660-9997 (VT only)
www.healthvermont.gov

Results Report

State Health Dept # : 18-WB-02721
Report Status : Final
Date Report Released : 04/18/2018

Report To POINT BAY MARINA INC
ATTN OF STEPHEN GUTOWSKI
Address 1401 THOMSON PT RD

CHARLOTTE, VT 05445

WSID VT0008204
Account Name
Date Received 04/17/2018
Time Received 14:47
Approved Date 04/18/2018

| | | | |
|--------------------------|----------------------|--------------------------------|--------------|
| Sample Desc. | KIT AA | Sample Type | Routine/Comp |
| Collection Date | 04/16/2018 | Free Chlorine Residual | 0.65 mg/L |
| Collection Time | 11:20 | Total Chlorine Residual | 0.93 mg/L |
| Sampled By | Stephen W Gutowski | Chlorinated? | Yes |
| Sampling Location | Dock #21 | Field Temp. | 6.67 C |
| Street Address | 1401 Thompsons Pt Rd | Field Fluoride | |
| Town | Charlotte | Temp at Receipt | |

Sampler's Comments
Sample for PTC Compliance. Project # C-3355-17.0

Test *Enzyme Substrate Test* **Date/Time of Analysis** 04/18/2018 12:00
Test Method SM20 9223B

| Analyte | Result |
|----------------|--------------|
| Total Coliform | Not detected |
| E.coli | Not detected |

Units of Measurement and Definitions:

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DEPARTMENT OF HEALTH LABORATORY

359 SOUTH PARK DRIVE
COLCHESTER, VT 05446
(802) 338-4724 or (800) 660-9997 (VT only)
www.healthvermont.gov

Results Report

State Health Dept # : 18-WB-02722
Report Status : Final
Date Report Released : 04/18/2018

Report To POINT BAY MARINA INC
ATTN OF STEPHEN GUTOWSKI
Address 1401 THOMSON PT RD

CHARLOTTE, VT 05445

WSID VT0008204
Account Name
Date Received 04/17/2018
Time Received 14:47
Approved Date 04/18/2018

| | | | |
|--|--------------------|--------------------------------|--------------|
| Sample Desc. | KIT AA | Sample Type | Routine/Comp |
| Collection Date | 04/17/2018 | Free Chlorine Residual | 0.62 mg/L |
| Collection Time | 11:10 | Total Chlorine Residual | 0.90 mg/L |
| Sampled By | Stephen W Gutowski | Chlorinated? | Yes |
| Sampling Location | Dock #105 | Field Temp. | 7.22 C |
| Street Address | | Field Fluoride | |
| Town | | Temp at Receipt | |
| Sampler's Comments | | | |
| Sample for PTC Compliance. Project # C-3355-17.0 | | | |

| | | | |
|----------------|------------------------------|------------------------------|------------------|
| Test | Enzyme Substrate Test | Date/Time of Analysis | 04/18/2018 12:00 |
| | | Test Method | SM20 9223B |
| Analyte | Result | | |
| Total Coliform | Not detected | | |
| E.coli | Not detected | | |

Units of Measurement and Definitions:

mL = milliliter, > equals greater than, MPN = Most Probable Number, CFU = Colony Forming Unit, TNTC = Too Numerous To Count

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