

**2013 STORMWATER ANNUAL REPORT**

**TOWN OF REDDING, CONNECTICUT  
REGISTRATION NO. GSM000085**

February 27, 2014

MMI #3052-04-5

***Prepared for:***

Town of Redding  
100 Hill Road  
P.O. Box 1028  
Redding, Connecticut 06875

***Prepared by:***

MILONE & MACBROOM, INC.  
99 Realty Drive  
Cheshire, Connecticut 06410  
(203) 271-1773  
[www.miloneandmacbroom.com](http://www.miloneandmacbroom.com)

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## **1.0 INTRODUCTION**

This report has been prepared by Milone & MacBroom, Inc. (MMI) for the Town of Redding (the Town) as the required Annual Report described in Section 6(i)(2) of the General Permit for the Discharge of Stormwater from Municipal Separate Storm Sewer Systems (the Permit). The Town developed a Stormwater Management Plan in association with its registration under this Permit. This report is intended to address stormwater-related activities performed within the Town during the 2013 calendar year.

## **2.0 STORMWATER SAMPLING**

Stormwater samples were collected at six locations in the Town on October 31 and November 1, 2013. Results of these analyses are presented in Appendix A. The Town has submitted sampling results and annual reports for the previous permit years (2006-2012).

## **3.0 MINIMUM CONTROL MEASURES**

For this 2013 Annual Report, the current status of each minimum control measure has been reviewed. The Town conducts daily activities that include several existing Best Management Practices (BMPs) and the development of proposed and future BMPs for implementation. The minimum control measures and the current schedule for each are listed below. In addition, the current status of the specific BMP is also included.

### **BMP #1: PUBLIC EDUCATION AND OUTREACH**

#### **A. Educate citizens about the impacts of stormwater on waterways.**

1. The Town Zoning Office has developed and maintains a stormwater information webpage. The site includes the submitted Stormwater Management Plan and links to local watershed groups and is updated periodically.
2. The Town's webpage includes links to the Stormwater Annual Reports, 2007 Stormwater Management Plan, the Norwalk River Watershed Association, the Conservation Districts of Connecticut, and the Nature Conservancy Saugatuck Forest Lands Project. The Norwalk River Watershed Association webpage includes reference information regarding watershed protection through maintenance of septic systems and responsible yard care in addition to watershed events that involve the public.
3. The Town's transfer station staff notify residents of available recycling programs via the *Redding Pilot* and brochures.

4. An illicit/illegal connection fact sheet has been developed and is available at the Town Hall.
5. Stormwater fact sheets developed by the First Selectman are on display at the Town Hall.
6. The United States Environmental Protection Agency (EPA) handout "Pollution Prevention/Good Housekeeping Minimum Control Measures" is made available to the public at the Town Hall. The handout includes information on pollution prevention and good housekeeping measures that can be implemented by all the residents of Redding.
7. Copies of the pamphlet "Caring for Your Septic System" published through the Connecticut Nonpoint Education for Municipal Officials (NEMO) program have been made available to the public for free at the Town Hall.

**B. Educate municipal officials and land use commissions on proper stormwater management.**

1. The Zoning Office will evaluate the feasibility of coordinating a NEMO or Southwest Conservation District presentation for Town staff and land use commissions in 2014.

**BMP #2: PUBLIC INVOLVEMENT AND PARTICIPATION**

**A. Develop a public involvement and participation program.**

1. The First Selectman is responsible for continued involvement in the Landscape Stewardship Advisory Committee.
2. The First Selectman is responsible for continued participation in the Saugatuck River Watershed Partnership.
3. The Health Department coordinates with the Housatonic Resources Recovery Authority to participate in the annual Household Hazardous Waste collection program.
4. Waste oil and oil filters are collected at the transfer station.
5. The Norwalk River Watershed Association (NRWA) sponsors the annual Norwalk River Watershed Make a Difference Day and spring river cleanups. The Norwalk River runs through the Georgetown section of Redding, and the activities of the NRWA help to educate residents on the importance of maintaining good water quality.

6. The First Selectman organizes the annual community cleanup day, in which citizens of all ages take part in a town-wide trash cleanup. This year's cleanup took place on April 13, 2013.

**B. Comply with Freedom of Information (FOI) requirements.**

1. Land use commissions hold public hearings on land use applications for new development and redevelopment.
2. A draft copy of this Annual Report will be placed in the Zoning Department at the Town Hall on or before December 20, 2013 for public review. A legal notice will be published in the *Redding Pilot* inviting public review and comment.

**BMP #3: ILLICIT DISCHARGE DETECTION AND ELIMINATION**

**A. Develop and implement ongoing illicit discharge detection program.**

1. In 2009, a map of all outfalls greater than 15" in urbanized areas was completed and is maintained in the Zoning Office.
2. In 2009, a map of all outfalls greater than 15" in the entire Town was completed and is maintained in the Zoning Office.
3. In 2009, a map of all outfalls greater than 12" in urbanized areas was completed and is maintained in the Zoning Office.
4. In 2010, town-wide Geographic Information System (GIS) mapping with outfalls was developed and is maintained on the Town website – [www.townofreddingct.org](http://www.townofreddingct.org).
5. The Health Department is coordinating with Aquarion to ensure continued execution of watershed inspections to identify illicit discharges.
6. The Health Department performs annual inspections of restaurants with external grease traps.
7. The Town typically relies on resident complaints to identify questionable discharges from outfalls or illegal dumping. A reporting form is available on the Town website – [www.townofreddingct.org](http://www.townofreddingct.org) or in the Zoning Office.

**B. Prohibit nonstormwater discharges to storm sewers.**

1. The Zoning Department, Health Department, and First Selectman intend to develop an ordinance prohibiting illicit discharges in 2014. This ordinance will specifically prohibit nonstormwater discharges to the storm drainage system in compliance with Section 8-12 of the Connecticut General Statutes, which allows fines to be imposed for noncompliance.

**C. Manage waste collection to prevent/minimize illegal dumping.**

1. The Transfer Station Manager continues to collect nickel cadmium batteries, car batteries, appliances, demolition debris, scrap tires, fluorescent bulbs, waste oil, and antifreeze at the transfer station.
2. The Transfer Station Manager continues to collect recyclable glass, cans, newspapers, and cardboard at the transfer station.
3. The Transfer Station Manager continues the program to recycle/collect household electronics items.

**BMP #4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL**

**A. Review land use regulations.**

1. In 2006, the Zoning Office completed its review of zoning regulations for erosion and sediment control for construction phase stormwater management elements.
2. In 2006, the Land Use Office completed its review of subdivision regulations for construction phase stormwater management elements.
3. In 2006, the Land Use Office completed its review of wetland regulations for construction phase stormwater management elements.

**B. Review development project for proper erosion and sediment control management.**

1. The Land Use Office and Zoning Enforcement Officer actively review all land use and site plan applications for consistency with *2002 Connecticut Guidelines for Erosion and Sedimentation Control BMPs*.
2. The Zoning Enforcement Officer periodically observes construction sites to evaluate effectiveness of erosion and sediment controls.

3. The Land Use Office and Zoning Enforcement Officer refer all applications in the Saugatuck River watershed to Aquarion for review.
4. The Zoning Regulations expressly require construction site operators to monitor sediment and erosion controls and control discarded wastes, concrete truck washout, litter, chemicals, and sanitary wastes.

**C. Develop program to notify contractors of Connecticut Department of Energy & Environmental Protection (DEEP) stormwater permits.**

1. The Land Use Office and Zoning Enforcement Office have revised land use application forms to require stormwater management controls. A 2014 goal for the Town is to further revise the forms to specifically notify contractors of the need to obtain state stormwater permits.

**D. Track and act on, as needed, information provided by the public relating to construction site maintenance in Town.**

1. Construction-related complaints from the public are recorded and kept in the street file for the violating property in the Zoning Office.
2. An inspection program for construction sites against which complaints are logged has been developed and executed by the Zoning Enforcement Officer. Inspections take place on a regular basis during construction on major projects.

**BMP #5: POSTCONSTRUCTION STORMWATER MANAGEMENT**

**A. Review land use regulations to promote low impact development techniques for development and redevelopment projects as appropriate.**

1. The Land Use Office and Zoning Enforcement Office have assessed BMPs and evaluated applicability for the Town based on geology and topography of the Town.
2. The Land Use Office and Zoning Enforcement Office have reviewed zoning regulations for postconstruction stormwater management practices including low impact development.
3. The Land Use Office and Zoning Enforcement Office have reviewed subdivision regulations for postconstruction stormwater management practices including low impact development.

4. The Land Use Office and Zoning Enforcement Office have developed Town standards for stormwater management that incorporate water quality BMPs.
5. The Land Use Office and Zoning Enforcement Office have revised zoning and subdivision regulations to reference design standards developed in goal 5.A-4.
6. All plans approved by land use commissions are required to be in conformance with the standards of the *2002 Sediment and Erosion Control Guidelines*.
7. Wherever possible, the Town encourages low impact standards (reduction of impervious coverage, stormwater detention, 80% total suspended solids removal, etc.).
8. The Conservation Commission has adopted a regulatory buffer for all activities within 100 feet of wetlands, 150 feet of watercourses, and 500 feet of a vernal pool as these are believed to have the potential to impact resources.
9. The Redding Land Trust is a private organization that oversees approximately 1,600 acres of open space properties in gifts or in conservation easements. Preserved properties range from a few acres to large tracts of 100 acres or more. The Trust is actively looking for additional property that could be acquired in the Town. Dedicated open space land cannot be developed and so helps to maintain water quality through the natural filtering processes that occur in nature.

**B. Develop a mechanism to ensure long-term operation and maintenance of BMPs.**

1. The Highway Department has developed a list of Town-owned detention and retention basins in Town and will update it as needed.
2. The Highway Department inspects the Town-owned detention/retention structures on a regular basis and/or when prompted by citizen inquiries.
3. The Town currently requires applicants to provide a stormwater operation and maintenance plan with all new developments.

## **BMP #6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING**

### **A. Develop training/education program for municipal employees.**

1. The Highway Department has reviewed and updated the Stormwater Pollution Prevention Plan (SWPPP) for the Public Works garage in conjunction with the renewal of its Industrial Stormwater Permit. The Highway Department is in the process of implementing the recommendations outlined in the SWPPP.
2. The Transfer Station Manager has developed a stormwater management plan for the transfer station in conjunction with its Industrial Stormwater Permit. In 2013 temporary covers were installed. Goals for 2014 include the expansion of a roof structure and installation of roofs/covers on all dumpsters. The Transfer Station Manager intends to implement the remaining SWPPP recommendations in subsequent years.
3. The Highway Department organizes and documents annual training of Public Works and Highway Department employees.
4. The First Selectman has identified public resources such as from the DEEP that would provide public education on stormwater management for municipal employees.

### **B. Optimize maintenance of Town-owned drainage facilities.**

1. The Highway Department is in the process of reviewing the existing street sweeping program and identifying streets to be swept more than once per year. Current practice is to sweep streets based on citizen requests.
2. The Highway Department documents annual catch basin inspection and cleaning. However, due to limited Town resources, it is not feasible to perform annual maintenance on all catch basins within the Town.
3. The Highway Department trains employees in proper handling of catch basin sediments and wastes.

### **C. Continue the existing program for prioritizing maintenance of storm drainage infrastructure.**

1. The Town provides funding as necessary to perform maintenance and emergency repairs on the storm drainage infrastructure.
2. The Town continues to use "Ice B'Gone" instead of road sand to reduce ice on roads.

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**APPENDIX A**  
**Results of Stormwater Sampling**

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# AQUA ENVIRONMENTAL LAB

56 Church Hill Road • Newtown, CT 06470 • (203) 270-9973

## Report of Analysis

**Name:** Redding Health Department  
PO Box 1028  
Redding, CT 06875  
**Sample Date:** 11/1/2013 10:00 AM  
**Receipt Date:** 11/1/2013 11:45 AM  
**Report Date:** 11/18/2013  
**Sample Site:** Highway Garage

**Sample ID#:** 149766  
**Sample Type:** Test  
**Sample Source:** 001  
**Sampler:** TB

| Parameter                    | Sample Result | Units | Limits       | Method    | MDL   | Analysis Date |
|------------------------------|---------------|-------|--------------|-----------|-------|---------------|
| <b>Biological</b>            |               |       |              |           |       |               |
| Aquatic Toxicity             | pass          |       | No Limit Set | 600       |       | 11/1/2013     |
| <b>Metals</b>                |               |       |              |           |       |               |
| Copper                       | 0.02          | mg/L  | No Limit Set | EPA 200.5 | 0.005 | 11/6/2013     |
| Cyanide                      | ND            | mg/L  | 0.2          | 335.2     | 0.01  | 11/7/2013     |
| Lead                         | 0.007         | mg/L  | No Limit Set | EPA 200.5 | 0.001 | 11/6/2013     |
| Zinc                         | <0.005        | mg/L  | No Limit Set | EPA 200.5 | 0.005 | 11/6/2013     |
| <b>Minerals</b>              |               |       |              |           |       |               |
| Chloride                     | 196.9         | mg/L  | 250          | EPA 300.0 | 1     | 11/11/2013    |
| <b>Nutrient</b>              |               |       |              |           |       |               |
| Nitrate as N                 | 1.44          | mg/L  | 10           | EPA 300.0 | 0     | 11/1/2013     |
| Phosphorus-T as P            | 0.04          | mg/L  | No Limit Set | 365.2t    | None  | 11/5/2013     |
| Total Kjeldahl Nitrogen as N | 0.78          | mg/L  | No Limit Set | 4500NH3C  | 0.2   | 11/5/2013     |
| <b>Organic Compounds</b>     |               |       |              |           |       |               |
| Oil & Grease                 | <1            | mg/L  | No Limit Set | 1664A     | 1     | 11/15/2013    |
| <b>Oxygen Demand</b>         |               |       |              |           |       |               |
| Chemical Oxygen Demand       | 55            | mg/L  | No Limit Set | H8230     | 5     | 11/12/2013    |
| <b>Physical</b>              |               |       |              |           |       |               |
| PH                           | 8.0           | SU    | 2 - 10       | 4500HB    | 0     | 11/1/2013     |
| Suspended Solids             | 4.6           | mg/L  | No Limit Set | SM2540D   | None  | 11/4/2013     |

ND = Not Detected  
\* = Above Specified Limit

Report Approved by: \_\_\_\_\_

Lab Director

CT Lic PH-0787

NY Lic 11706

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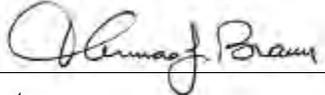
## Report of Analysis

**Name:** Redding Health Department  
PO Box 1028  
Redding, CT 06875  
**Sample Date:** 11/1/2013 10:00 AM  
**Receipt Date:** 11/1/2013 11:45 AM  
**Report Date:** 11/18/2013  
**Sample Site:** Highway Garage

**Sample ID#:** 149767  
**Sample Type:** Test  
**Sample Source:** 002  
**Sampler:** TB

| Parameter                    | Sample Result | Units | Limits       | Method    | MDL   | Analysis Date |
|------------------------------|---------------|-------|--------------|-----------|-------|---------------|
| <b>Biological</b>            |               |       |              |           |       |               |
| Aquatic Toxicity             | 70.7%         |       | No Limit Set | 600       |       | 11/1/2013     |
| <b>Metals</b>                |               |       |              |           |       |               |
| Copper                       | 0.03          | mg/L  | No Limit Set | EPA 200.5 | 0.005 | 11/6/2013     |
| Cyanide                      | ND            | mg/L  | 0.2          | 335.2     | 0.01  | 11/7/2013     |
| Lead                         | 0.008         | mg/L  | No Limit Set | EPA 200.5 | 0.001 | 11/6/2013     |
| Zinc                         | 0.006         | mg/L  | No Limit Set | EPA 200.5 | 0.005 | 11/6/2013     |
| <b>Minerals</b>              |               |       |              |           |       |               |
| Chloride                     | 405.8 *       | mg/L  | 250          | EPA 300.0 | 1     | 11/11/2013    |
| <b>Nutrient</b>              |               |       |              |           |       |               |
| Nitrate as N                 | 5.10          | mg/L  | 10           | EPA 300.0 | 0     | 11/1/2013     |
| Phosphorus-T as P            | 0.11          | mg/L  | No Limit Set | 365.2t    | None  | 11/5/2013     |
| Total Kjeldahl Nitrogen as N | 1.82          | mg/L  | No Limit Set | 4500NH3C  | 0.2   | 11/5/2013     |
| <b>Organic Compounds</b>     |               |       |              |           |       |               |
| Oil & Grease                 | 1.1           | mg/L  | No Limit Set | 1664A     | 1     | 11/15/2013    |
| <b>Oxygen Demand</b>         |               |       |              |           |       |               |
| Chemical Oxygen Demand       | 152           | mg/L  | No Limit Set | H8230     | 5     | 11/7/2013     |
| <b>Physical</b>              |               |       |              |           |       |               |
| PH                           | 7.8           | SU    | 2 - 10       | 4500HB    | 0     | 11/1/2013     |
| Suspended Solids             | 298           | mg/L  | No Limit Set | SM2540D   | None  | 11/4/2013     |

ND = Not Detected  
\* = Above Specified Limit

**Report Approved by:**   
Lab Director

CT Lic PH-0787 NY Lic 11706

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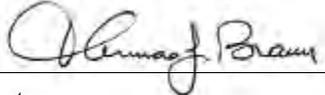
## Report of Analysis

**Name:** Redding Health Department  
PO Box 1028  
Redding, CT 06875  
**Sample Date:** 11/1/2013 10:35 AM  
**Receipt Date:** 11/1/2013 11:45 AM  
**Report Date:** 11/18/2013  
**Sample Site:** Georgetown

**Sample ID#:** 149768  
**Sample Type:** Test  
**Sampler:** TB

| Parameter                                      | Sample Result | Units      | Limits       | Method    | MDL  | Analysis Date |
|--|---------------|------------|--------------|-----------|------|---------------|
| <b>Biological</b><br>e Coli Bacteria           | 411 *         | Col/100 ml | 235          | SM9222D   | 0    | 11/1/2013     |
| <b>Minerals</b><br>Hardness                    | 11            | mg/L       | No Limit Set | EPA 200.5 | 1    | 11/6/2013     |
| <b>Nutrient</b><br>Ammonia as N                | 0.47          | mg/L       | No Limit Set | 350.2     | 0.2  | 11/5/2013     |
| Nitrate as N                                   | 0.71          | mg/L       | 10           | EPA 300.0 | 0    | 11/1/2013     |
| Phosphorus-T as P                              | 0.34          | mg/L       | No Limit Set | 365.2t    | None | 11/5/2013     |
| Total Kjeldahl Nitrogen as N                   | 1.43          | mg/L       | No Limit Set | 4500NH3C  | 0.2  | 11/5/2013     |
| <b>Organic Compounds</b><br>Oil & Grease       | <1            | mg/L       | No Limit Set | 1664A     | 1    | 11/15/2013    |
| <b>Oxygen Demand</b><br>Chemical Oxygen Demand | 76            | mg/L       | No Limit Set | H8230     | 5    | 11/7/2013     |
| <b>Physical</b><br>Conductivity                | 103           | uS/cm      | No Limit Set | 120.1     | 1    | 11/6/2013     |
| PH   | 7.1           | SU         | 2 - 10       | 4500HB    | 0    | 11/1/2013     |
| Suspended Solids                               | 38.3          | mg/L       | No Limit Set | SM2540D   | None | 11/4/2013     |
| Temperature                                    | 15.6          | C          | No Limit Set | 170.1-C   | 1    | 11/1/2013     |
| Turbidity                                      | 15.5 *        | NTU        | 5            | 180.1     | 0.05 | 11/1/2013     |

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\* = Above Specified Limit

**Report Approved by:**  \_\_\_\_\_ CT Lic PH-0787 NY Lic 11706  
Lab Director

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## Report of Analysis

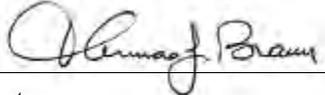
**Name:** Redding Health Department  
 PO Box 1028  
 Redding, CT 06875

**Sample Date:** 11/1/2013 10:25 AM  
**Receipt Date:** 11/1/2013 11:45 AM  
**Report Date:** 11/18/2013  
**Sample Site:** Beeholm

**Sample ID#:** 149769  
**Sample Type:** Test  
**Sampler:** TB

| Parameter                                      | Sample Result | Units      | Limits       | Method    | MDL  | Analysis Date |
|--|---------------|------------|--------------|-----------|------|---------------|
| <b>Biological</b><br>e Coli Bacteria           | 146           | Col/100 ml | 235          | SM9222D   | 0    | 11/1/2013     |
| <b>Minerals</b><br>Hardness                    | 40            | mg/L       | No Limit Set | EPA 200.5 | 1    | 11/6/2013     |
| <b>Nutrient</b><br>Ammonia as N                | 0.55          | mg/L       | No Limit Set | 350.2     | 0.2  | 11/5/2013     |
| Nitrate as N                                   | 0.62          | mg/L       | 10           | EPA 300.0 | 0    | 11/1/2013     |
| Phosphorus-T as P                              | 0.64          | mg/L       | No Limit Set | 365.2t    | None | 11/5/2013     |
| Total Kjeldahl Nitrogen as N                   | 4.36          | mg/L       | No Limit Set | 4500NH3C  | 0.2  | 11/5/2013     |
| <b>Organic Compounds</b><br>Oil & Grease       | 1.0           | mg/L       | No Limit Set | 1664A     | 1    | 11/15/2013    |
| <b>Oxygen Demand</b><br>Chemical Oxygen Demand | 140           | mg/L       | No Limit Set | H8230     | 5    | 11/7/2013     |
| <b>Physical</b><br>Conductivity                | 228           | uS/cm      | No Limit Set | 120.1     | 1    | 11/6/2013     |
| PH   | 6.1           | SU         | 2 - 10       | 4500HB    | 0    | 11/1/2013     |
| Suspended Solids                               | 42            | mg/L       | No Limit Set | SM2540D   | None | 11/4/2013     |
| Temperature                                    | 14.4          | C          | No Limit Set | 170.1-C   | 1    | 11/1/2013     |
| Turbidity                                      | 17.2 *        | NTU        | 5            | 180.1     | 0.05 | 11/1/2013     |

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 Lab Director

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## Report of Analysis

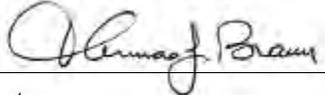
**Name:** Redding Health Department  
 PO Box 1028  
 Redding, CT 06875

**Sample Date:** 11/1/2013 11:00 AM  
**Receipt Date:** 11/1/2013 11:45 AM  
**Report Date:** 11/18/2013  
**Sample Site:** Post Office

**Sample ID#:** 149770  
**Sample Type:** Test  
**Sampler:** TB

| Parameter                                      | Sample Result | Units      | Limits       | Method    | MDL  | Analysis Date |
|--|---------------|------------|--------------|-----------|------|---------------|
| <b>Biological</b><br>e Coli Bacteria           | 2,419 *       | Col/100 ml | 235          | SM9222D   | 0    | 11/1/2013     |
| <b>Minerals</b><br>Hardness                    | 52            | mg/L       | No Limit Set | EPA 200.5 | 1    | 11/6/2013     |
| <b>Nutrient</b><br>Ammonia as N                | 0.64          | mg/L       | No Limit Set | 350.2     | 0.2  | 11/5/2013     |
| Nitrate as N                                   | <0.5          | mg/L       | 10           | EPA 300.0 | 0    | 11/1/2013     |
| Phosphorus-T as P                              | 0.24          | mg/L       | No Limit Set | 365.2t    | None | 11/5/2013     |
| Total Kjeldahl Nitrogen as N                   | 0.78          | mg/L       | No Limit Set | 4500NH3C  | 0.2  | 11/5/2013     |
| <b>Organic Compounds</b><br>Oil & Grease       | 5.3           | mg/L       | No Limit Set | 1664A     | 1    | 11/15/2013    |
| <b>Oxygen Demand</b><br>Chemical Oxygen Demand | 187           | mg/L       | No Limit Set | H8230     | 5    | 11/7/2013     |
| <b>Physical</b><br>Conductivity                | 82            | uS/cm      | No Limit Set | 120.1     | 1    | 11/6/2013     |
| PH   | 7.3           | SU         | 2 - 10       | 4500HB    | 0    | 11/1/2013     |
| Suspended Solids                               | 331           | mg/L       | No Limit Set | SM2540D   | None | 11/4/2013     |
| Temperature                                    | 16.4          | C          | No Limit Set | 170.1-C   | 1    | 11/1/2013     |
| Turbidity                                      | 87.2 *        | NTU        | 5            | 180.1     | 0.05 | 11/1/2013     |

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 \* = Above Specified Limit

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 Lab Director

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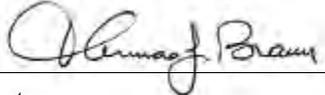
## Report of Analysis

**Name:** Redding Health Department  
PO Box 1028  
Redding, CT 06875  
**Sample Date:** 11/1/2013 11:15 AM  
**Receipt Date:** 11/1/2013 11:45 AM  
**Report Date:** 11/18/2013  
**Sample Site:** John Todd

**Sample ID#:** 149771  
**Sample Type:** Test  
**Sampler:** TB

| Parameter                                      | Sample Result | Units      | Limits       | Method    | MDL  | Analysis Date |
|--|---------------|------------|--------------|-----------|------|---------------|
| <b>Biological</b><br>e Coli Bacteria           | 71            | Col/100 ml | 235          | SM9222D   | 0    | 11/1/2013     |
| <b>Minerals</b><br>Hardness                    | 6             | mg/L       | No Limit Set | EPA 200.5 | 1    | 11/6/2013     |
| <b>Nutrient</b><br>Ammonia as N                | 0.32          | mg/L       | No Limit Set | 350.2     | 0.2  | 11/5/2013     |
| Nitrate as N                                   | <0.5          | mg/L       | 10           | EPA 300.0 | 0    | 11/1/2013     |
| Phosphorus-T as P                              | 1.02          | mg/L       | No Limit Set | 365.2t    | None | 11/5/2013     |
| Total Kjeldahl Nitrogen as N                   | 1.73          | mg/L       | No Limit Set | 4500NH3C  | 0.2  | 11/5/2013     |
| <b>Organic Compounds</b><br>Oil & Grease       | <1            | mg/L       | No Limit Set | 1664A     | 1    | 11/15/2013    |
| <b>Oxygen Demand</b><br>Chemical Oxygen Demand | 93            | mg/L       | No Limit Set | H8230     | 5    | 11/7/2013     |
| <b>Physical</b><br>Conductivity                | 53            | uS/cm      | No Limit Set | 120.1     | 1    | 11/6/2013     |
| PH   | 6.8           | SU         | 2 - 10       | 4500HB    | 0    | 11/1/2013     |
| Suspended Solids                               | 18.3          | mg/L       | No Limit Set | SM2540D   | None | 11/4/2013     |
| Temperature                                    | 14.4          | C          | No Limit Set | 170.1-C   | 1    | 11/1/2013     |
| Turbidity                                      | 14.3 *        | NTU        | 5            | 180.1     | 0.05 | 11/1/2013     |

ND = Not Detected  
\* = Above Specified Limit

**Report Approved by:**  \_\_\_\_\_ CT Lic PH-0787 NY Lic 11706  
Lab Director

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