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COMPLIANCE ASSURANCE

2013 & 2014 MS4 ANNUAL REPORT

NPDES PERMIT #CT0030279

FOR

CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION

PREPARED FOR

CITY OF STAMFORD 888 WASHINGTON BOULEVARD STAMFORD, CONNECTICUT 06901



SEPTEMBER 2014



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TABLE OF CONTENTS

IN	ГROD	PUCTION	2			
1	Contacts List					
2	Program Evaluation					
	2.1	Stormwater Management Plan (SMP) Objectives	5			
	2.2	Major Findings	5			
	2.3	SMP Strengths and Weaknesses	6			
	2.4	Future Direction of the SMP	6			
3	Sum	mary Table of SMP Components	8			
4	Narrative Report					
	4.1	Pollution Prevention Team	9			
	4.2	Mapping	9			
	4.3	Control Measures	10			
	4.3.1	Public Education and Involvement	10			
	4.3.2	Source Controls and Pollution Prevention	12			
	4.3.3	Land Disturbance and Development	14			
	4.3.4	Infrastructure Operations and Maintenance	15			
	4.4	Illicit Discharge Detection and Elimination (IDDE) Program	19			
	4.5	Monitoring Program	20			
	4.5.1	In-Stream Surface Water Quality Monitoring	20			
	4.5.2	Wet Weather Outfall Monitoring – Previous Permit	21			
	4.5.3	Wet Weather Outfall Monitoring – Current Permit	21			
	4.6	Legal Authority	21			
5	Sum	mary of Proposed SMP Modifications	23			
6	Prog	ram Resources Analysis	24			

APPENDICES

- A Definitions
- B Stormwater Management Plan Summary Table
- C MS4 Outfall Locations
- D Pesticide, Fertilizer, and Herbicide Use: 2013 and through June 2014
- E Catch Basin / Manhole Repair Listing
- F Street Sweeping Reports: 2013 and through June 2014
- G Catch Basin Reports: 2013 and through June 2014
- H Notice of Violation ~ 2014
- I Aquatic Toxicity Monitoring Reports and Field Data Sheets
- J Stormwater Outfall Monitoring Reports 2012
- K Annual Budgets: 2013 2014 and 2014 2015
- L Job Descriptions New Staff

INTRODUCTION

The City of Stamford (the City) was issued its current NPDES Permit (No. CT0030279) for discharge of stormwater from its municipal separate storm sewer system (MS4) on June 4, 2013. This permit requires many actions in order to reduce pollution from stormwater runoff.

This Annual Report (Report) covers the period from January 1, 2013 through June 30, 2014. It summarizes the activities conducted and measures taken to comply with the previous and current NPDES Permit from January 1, 2013 through June 30, 2014. This Annual Report was prepared in accordance with the terms and conditions of the NPDES Permit as well as the *Stormwater Management Plan, City of Stamford, Stamford, Connecticut, September 2, 2014* (the SMP).

1 CONTACTS LIST

The following individuals are members of the City's Stormwater Pollution Prevention Team and have a role in the implementation of the City's stormwater management program and are in positions that have the potential to impact and improve stormwater quality. Each of these individuals are involved in the development of the Stormwater Management Plan (SMP) and/or this Annual Report.

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2 PROGRAM EVALUATION

2.1 Stormwater Management Plan (SMP) Objectives

The City of Stamford (the City) was issued a NPDES Permit for discharge of stormwater from its municipal separate storm sewer system (MS4) on June 4, 2013. The City developed and is implementing a Stormwater Management Plan (SMP) based on the requirements of the NPDES Permit.

The SMP provides the framework for compliance with the terms and conditions of the NPDES Permit with the overall objective of improving the quality of stormwater runoff and protecting the surface waters of the State. The SMP seeks to achieve this objective through:

- Establishment of a Pollution Prevention Team
- Development of Stormwater Mapping
- Establishment and Implementation of Control Measures, including:
 - 0 Public Education and Involvement
 - o Source Controls for Pollution Prevention
 - o Future Land Disturbance and Development Management
 - 0 Infrastructure Operations and Maintenance
- Establishment and Implementation of an Illicit Discharge Detection and Elimination (IDDE) Program
- Establishment and Implementation of a Water Quality Monitoring Program
- Establishment and Implementation of Legal Authority to Control Discharges
- Establishment and Implementation of Procedures to Coordinate Stormwater Activities between various Departments and Agencies
- Maintaining Consistency with Other Plans and Permits

Additional details on each of these of these methods to achieve the objectives of the SMP are presented in the Summary Table of SMP Components (*Section 3*) and the Narrative Report (*Section 4*).

2.2 Major Findings

The objective of the SMP is to improve stormwater runoff quality and protect the surface waters of the State. This discussion of major findings should provide an overall evaluation as to whether stormwater and surface water quality in the City and from the City's MS4 is improving or degrading in the City. This evaluation cannot be performed as part of this first Annual Report under the new discharge permit as no water quality monitoring was performed during the time period covered by this report (see *Section 4.5* for additional information on monitoring events).

It is unlikely that this evaluation will be able to be performed during the 2014-2015 Annual Report because the first round or two of in-stream surface water quality and stormwater discharge data will be used to establish baseline (beginning of permit) conditions against which future data will be evaluated.

The major findings of this first year of the new NPDES Permit are the steps that the City has taken to implement the permit requirements, including but not limited to:

- Development of a more thorough understanding of the permit requirements and the resources necessary to achieve compliance
- Transfer of responsibility for stormwater permit compliance from the Water Pollution Control Authority to the Traffic and Road Maintenance Division
- Allocation of additional resources (personnel, equipment, and budget) to/within the Traffic and Road Maintenance Division to specifically address stormwater management and stormwater runoff quality improvement issues, including the new position of Regulatory Compliance and Administration Officer
- Better coordination of City Departments on stormwater-related issues with the development of the Stormwater Pollution Prevention Team
- Development of the SMP and the associated public outreach activities
- Continuation of city-wide GIS mapping related to stormwater infrastructure and management
- Work on developing draft legal authority and zoning regulations to address stormwater discharges and quality
- Instituting plans for better coordination of public outreach with local environmental and business groups
- Establishing agreements with consultants to assist in the implementation of the SMP and to perform surface water and stormwater monitoring

2.3 SMP Strengths and Weaknesses

The SMP designed to comply with the current NPDES permit was prepared in the spring and summer of 2014 and submitted to the DEEP on September 2, 2014. An evaluation of its strengths and weaknesses as of June 30, 2014 is not appropriate at this time as its implementation has only recently commenced.

The SMP will be evaluated in greater detail as part of the 2014-2015 Annual Report. A component of that evaluation will be a review of goals, schedules, and procedures referenced in the SMP as "to be established" and a detailed analysis of the status of these items.

2.4 Future Direction of the SMP

The City considers the SMP to be a dynamic document and will work towards updating and revising it as conditions and regulations change in an effort to maximize its ability to be utilized as a tool to manage and improve stormwater runoff quality. Because this SMP has been recently established, the City's focus will be on implementing it to the best of their ability over the course of the next year. For this reason, no significant changes to the SMP are anticipated at this time.

Now that the Traffic and Road Maintenance Division has had time to become acclimated to the permit requirements and develop the SMP, the City will be focusing more of its resources in the coming year to achieving compliance with the SMP, particularly in the areas of:

- Public education and involvement
- Stormwater mapping
- Control measures
- Infrastructure operations and maintenance
- Illicit discharge detection and elimination
- Legal authority and regulatory changes
- Water quality monitoring

Specific goals or requirements are discussed in the Narrative Report, Section 4, of this Annual Report.

The Team Coordinator and Regulatory Compliance and Administrative Officer will also be responsible for more closely tracking individual activities and events in each of these areas.

3 SUMMARY TABLE OF SMP COMPONENTS

The summary table of SMP components is presented in *Appendix B*. This table concisely presents the stormwater management activities completed within the time period for this Annual Report and documents the City's compliance with key permit and SMP requirements.

Administrative issues, such as planning activities, program development, and pilot studies, are not discussed in the summary table of SMP components.

4 NARRATIVE REPORT

4.1 Pollution Prevention Team

The Pollution Prevention Team (Team) has been established to implement the SMP, to keep it up to date as conditions and/or regulations change, to maintain the control measures to improve stormwater quality, and take corrective actions, as necessary. With the issuance of the new NPDES Permit in 2013, the City decided to transfer the majority of the responsibility for compliance with the permit from the Water Pollution Control Authority to the Traffic and Road Maintenance Division.

As such, much of the first year of the new permit was utilized by the Traffic and Road Maintenance Division becoming familiar with the permit requirements and establishing the necessary schedules, procedures, personnel, equipment, financing, and other resources necessary to successfully implement the permit requirements and the SMP.

The Team that has been established under the current SMP (see Appendix B of the SMP) consists of personnel from many City departments whose operations may affect the current and future stormwater quality. Team Members supply the City with a wide-range of experience and expertise in managing and controlling stormwater runoff quality.

Throughout 2013 and the first half of 2014, the Team has focused on improving their understanding of the new NPDES Permit requirements, communicating these requirements amongst themselves, establishing areas of responsibility and cooperation, brainstorming on public education and control measure ideas, and working with the appropriate legal counsel to establish legal authority and draft new regulations.

The Team's activities are coordinated by the Traffic and Road Maintenance Supervisor. Many of the day-to-day stormwater permit compliance activities are managed by the Regulatory Compliance and Administrative Officer; this position was created in early 2014 specifically as a result of the issuance of the current NPDES Permit.

It is anticipated that the Team will continue these activities during the next year of the discharge permit as well as develop and coordinate additional specific goals with the objective of improving the overall quality of stormwater runoff in the City of Stamford.

4.2 Mapping

The City maintains a strong GIS Department that can coordinate city-specific, as well as environmental data, available from the DEEP and other sources. Information that has been mapped includes: city roadways, city properties, aerial photography, topography, zoning map, surface water bodies, watershed areas, surface water quality classifications, impaired waters, mapped inland wetlands, mapped tidal wetlands, the coastal boundary, and the ten approved in-stream sampling locations.

The City has hired a consultant that is in the process of mapping sanitary sewer lines, stormwater lines, and stormwater outfalls. Mapping efforts have focused on the more developed sections of the City,

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closest to Long Island Sound, with the most stormwater outfalls mapped south of Interstate 95 and many more mapped between I-95 and the Merritt Parkway (Connecticut Route 15). Initially, 154 stormwater outfalls were mapped. Several of the initially mapped outfall locations were determined to be inaccurate. To date, 92 MS4 outfalls have been confirmed/identified/mapped. A list and map of these outfalls is presented in *Appendix* C. The City will continue to identify and map the other MS4 outfalls in the City.

The City has recently hired additional personnel and obtained additional equipment for catch basin cleaning and other stormwater management activities, including mapping of catch basins.

This component of the SMP is to be expanded to include the following GIS mapping:

- Storm line material and size data
- Completed and proposed cleaning and repair activities
- Outfall discharge monitoring data
- IDDE screening and investigation results
- Proposed IDDE investigations
- Completed and proposed capital projects
- Connections to any other public or private storm drainage systems
- Drainage areas for each MS4 outfall
- Areas served by on-site subsurface disposal areas
- Storm drains that do or may receive discharges form underdrain systems

The City is also in the process of evaluating and procuring GIS-compatible tracking software for catch basin cleaning and maintenance activities.

4.3 Control Measures

4.3.1 <u>Public Education and Involvement</u>

City residents can contribute to the pollution transported via stormwater by misapplying lawn pesticides, herbicides and fertilizers, littering, dumping pollutants into storm drains, failing to dispose of pet waste properly, and other actions which can be detrimental to the quality of stormwater discharging into water bodies. Many people are unaware that they are polluting when engaged in these activities. Therefore, public education and outreach and public involvement and participation will help minimize the amount of pollution contributed to the City of Stamford's water bodies by local residents. Also, public education and outreach coupled with public involvement and participation allows city residents to have a voice with regard to stormwater.

During the period covered by this Annual Report, the following public education and involvement activities have been completed:

• The City has hired a Regulatory Compliance and Administration Officer. One of this individual's primary responsibilities will be public education related to stormwater management and improving stormwater quality.

- A stormwater section has been added to the City of Stamford's website at <u>http://www.stamfordct.gov/stormwater-management</u>. The website provides basic information about stormwater as well as key contacts within the City of Stamford. Additionally, it provides links to:
 - o The NPDES permit
 - o The SMP
 - 0 The 2012 Annual Report
 - 0 The household hazardous waste collection event schedule and information on the materials managed
 - 0 Dog waste management practices
 - 0 Best management plans for pesticides
 - 0 Information on preventing stormwater pollution
 - 0 Fall leaf pick up schedule
 - 0 Christmas tree pick up schedule
 - 0 How to report a stormwater issue, violation, or complaint
- Public notice and a public meeting were held on July 29, 2014 for the establishment of the SMP. Unfortunately, only one member of the public attended this meeting.
 - The Notice of Meeting was published in the *Stamford Advocate* on July 17 and 24, 2014.
 - The Notice of Meeting was filed with the Town Clerk, forwarded to the Board of Representatives, and posted on the City's website, and posted throughout Government Center.
 - The leadership/directors of two local environmental groups, SoundWaters and the Mill River Collaborative, were provided notice of the meeting.
- An informational pamphlet entitled "Preventing Stormwater Pollution & You", which focused on steps that residents can take to reduce stormwater pollution, was distributed with all tax bills (approximately June 15, 2014). A copy is presented in Appendix C of the SMP.
- An informational pamphlet entitled "Preventing Stormwater Pollution", which focused on lawn care and low impact development (LID), was distributed to all Stamford contractors registered with the Connecticut Department of Consumer Protection. A copy is presented in Appendix C of the SMP.
- A "Pesticide Information Sheet" was sent to the same group of Stamford contractors. A copy is presented in Appendix C of the SMP.
- An informational pamphlet on dog waste management was provided to all dog owners at license renewal time. A copy is presented in Appendix C of the SMP.
- The City has installed ten dog waste dispensers and signs informing park patrons of the need to pick up after their dogs in key parks. These signs refer to the existing municipal dog waste ordinance in the City Charter (Section 111). Fifty additional dispensers have been ordered and will be installed. A list of existing and proposed dog waste dispenser locations is presented in Appendix C of the SMP.
- The Water Pollution Control Authority provides tours of the City's wastewater treatment facilities to school children and adults. During 2013 and the first half of 2014, approximately 1,450 and 890 people attended these tours, respectively. As part of the presentation, they discuss stormwater impacts and typically distribute a brochure entitled "What is Your Storm Drain IQ?" A copy is provided in Appendix C of the SMP.

- The Mill River Collaborative performs annual clean ups, improvements, and provide educational programming within the City. It is estimated that approximately 8,000 volunteer hours are provided each year.
- SoundWaters is the leading environmental education organization on Long Island Sound. Over 25,000 students learn and explore with SoundWaters, through education and action, every year. The City is in the process of teaming with this group to collaborate on educational programming.

4.3.2 Source Controls and Pollution Prevention

4.3.2.1 Motor Oil Collection

The City collects used motor oil at the Katrina Mygatt Recycling Center so that residents will have a place to properly dispose of these materials and to limit the potential for them to be improperly disposed and adversely affect stormwater quality. From July 2012 – June 2013, approximately 3,375 gallons of used oil were collected. From July 2013 – June 2014, approximately 3,075 gallons of used oil were collected. The City intends to continue it's used motor oil collection activities.

4.3.2.2 Household Hazardous Waste (HHW) and Electronic Waste Collection Programs

The City holds at least one HHW collection day within the City each year so that residents will have a place to properly dispose of these materials and to limit the potential for them to be improperly disposed and adversely affects stormwater quality. In 2013 and 2014, the City hosted a HHW collection day at the Rippowam Middle School on July 13th and July 19th, respectively. In addition, Stamford residents are able to utilize HHW collection days in Darien, Greenwich, New Canaan, Norwalk, Westport, Weston, or Wilton approximately seven other days per year (in the spring and fall). The City intends to continue its involvement in these collection events.

The City collects used consumer electronics at the Recycling Center during normal operating hours. Acceptable materials include computers, monitors, televisions, VCRs, DVDs, cell phones, copiers, fax machines, printers, radios, stereos, and small electronics. In addition, inks and toners, rechargeable batteries, lithium ion batteries, vehicle batteries, compact fluorescent light bulbs, and linear lamps are also accepted at the Recycling Center. From July 2012 – June 2013, approximately 244 tons of consumer electronics were collected. From July 2013 – June 2014, approximately 295 tons of consumer electronics were collected. The City intends to continue its waste electronics collection activities.

4.3.2.3 Spills and Leak

The City maintains Spill Prevention and Response Plans (SPRPs) to prevent, contain, and clean up spills of oils, petroleum products, and other potentially hazardous materials. Site-specific SPRPs have been developed for Town facilities on Magee Avenue, the Town Yard, the Police Department, and the Water Pollution Control Facility. Other City facilities and private properties in the City are covered by the Fire Department's Standard Operating Guidelines. Each of these plans will be reviewed by June 2015 to ensure that they are properly designed to prevent spills or leaks from entering the MS4 and to

provide for appropriate response procedures and countermeasures to minimize stormwater impacts and protect surface waters. A list of recent spills of five gallons or more is presented in Appendix E of the SMP.

4.3.2.4 Pesticide, Herbicide and Fertilizer Use Limitations

The City is required to limit the use of pesticides, herbicides and fertilizers (PHF) in city-owned or operated areas. The City has developed the Best Management Practices (BMPs), found in Appendix G of the SMP, for PHF application in city-owned or operated areas. Further development of standard operating procedures (SOPs) for the use of PHFs is ongoing. It is anticipated that they will be modeled on the CTDEEP Integrated Pest Management (IPM) Plans. Completion of the PHF SOPs is anticipated by July 1, 2016.

Fertilizers and herbicides are used on the municipal athletic fields, as described in the SMP. Every year, in April, Dimension is applied to the fields and contains both fertilizer and herbicides. In May, Propendi is applied to the fields and contains both herbicides and fertilizer. In September, just fertilizer is applied to the fields.

No PHFs are used on city park green spaces.

The Mill River Park / Mill River Collaborative completely avoids the use of synthetic fertilizers/ The employ a "feed the soil ecology" program where the soil is infused with sixteen or more species of bacteria and fed with a fish emulsion/kelp/yucca blend as a substitute for traditional fertilizers. Additionally, the Mill River Collaborative maintains its lawns at 4-inches to build deeper,, more drought tolerant root systems. All grass clippings are returned to the lawns and they use organic products, such as soy bean meal, to add nitrogen to the soil. The Mill River Collaborative uses minimal herbicides on invasive plant species per DEEP guidelines. They have found that as they continue this program, they need to use lower quantities of herbicide each year.

With respect to the city-owned golf courses, the NPDES permit requires that the City implement practices which achieve a ten percent (10%) reduction in total nitrogen by June 3, 2018. The reduction will be determined by the average annual usage, by weight, of the three years preceding the current NPDES Permit. The current SMP has established the application rates of fertilizers used at the golf courses, which can be found in Appendix G of the SMP. The City's Regulatory Compliance and Administrative Officer is currently in the process of obtaining background documentation from the city-owned golf courses in order to establish the total amount of nitrogen applied during the three years preceding the current NPDES Permit (2010-2012). This data will serve as the basis for establishing the amount of total nitrogen reduction.

In 2013, the Sterling Farms Golf Course used a total of 5,380 tons of nitrogen and the E. Gaynor Brennan Municipal Golf Course used a total of 9,082 tons of nitrogen. See *Appendix D* for a table of the total nitrogen used at the city-owned golf courses.

The Pollution Prevention Team will work with the golf course staff to reduce the total amount of nitrogen used at these facilities. It is the City's intention to establish goals for reducing the amount of PHFs used at all city-owned or operated areas.

4.3.2.5 Salt Storage and Usage

The City stores road salt (and/or salt mixtures) at the Highway Department (90 Magee Avenue), the Town Yard (106 Haig Avenue), and the Scofieldtown Transfer Station (612 Scofieldtown Road). At each facility, salt is stored on an impervious pad and under a salt shed in accordance with the requirements of the DEEP's General Permit for the Discharge of Stormwater Associated with Industrial Activities.

The City utilized approximately 15,600 tons of salt during twenty storms in the winter of 2013-14. Salt usage quantities will continue to be tracked and the City's goal is to reduce the amount of salt and salt-sand mixture utilized on its roadways by increasing efficiencies and investigating alternate methods. However, salt usage will continue to vary based on storm frequency and intensity.

4.3.3 Land Disturbance and Development

Construction site runoff and post-construction site runoff should be reduced so that water bodies are not receiving additional pollutants or sediment. Sediment causes water bodies to become physically and biologically altered. Decreases in habitat quality can result from significant amounts of sediment covering these habitat areas.

Under the terms of the NPDES permit, the City of Stamford is required to implement and enforce a program to address construction and post-construction stormwater discharges from land disturbing activities and after site stabilization has been achieved. This program needs to be based on the *Connecticut Guidelines for Soil Erosion and Sediment Control* (latest edition) and the *Connecticut Stormwater Quality Manual* (as amended). The City is currently working towards developing this program; both of these documents will be incorporated into the draft changes to the Zoning Regulations.

The City has a well-developed process for ensuring that applicants for building permits have received all appropriate City approvals prior to issuance of a building permit. A copy of the checklist utilized by the Building Official is presented in Appendix J of the SMP. As part of this review and approval process, the Engineering Department reviews stormwater and drainage for proposed developments and site plan revisions.

The site plan review process will continue in the future, but the site-specific stormwater requirements will be better defined once the draft Zoning Regulation changes have been approved and implemented. The NPDES Permit requires the City of Stamford to develop and enforce a program to control stormwater discharges from development and redevelopment activities with one-half acre (21,780 sf) or more of soil disturbance. The one-half acre threshold applies both individually and collectively as part of a larger common plan. Modifications to the Zoning Regulations will include provisions to encourage

low impact development (LID) practices to maximize infiltration and minimize stormwater runoff. The regulations will also limit barriers to LID design and construction.

The NPDES Permit requires the City to conduct site-plan review and pre-construction review meetings that incorporate consideration of stormwater controls or management practices to prevent or minimize impacts to water quality. The City currently conducts such meetings internally as part of staff review of many projects. Meetings with developers occur when the project has significant potential for environmental impact.

As part of the application review process, the City is now providing applicant's with information on the DEEP's General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities.

The NPDES Permit also requires site inspection and enforcement to assess the adequacy of the installation, maintenance, operation, and repair of construction and post-construction control measures. The City's staff performs site visits when the project is in close proximity to a wetland or other water body. Current staffing levels limit the opportunities for site inspections to only those projects with the greatest potential for impact to stormwater quality. Site visits frequently occur prior to the issuance of a Certificate of Occupancy (CO).

Additional information on the proposed stormwater ordinance and changes to the Zoning Regulations is presented in *Section 4.6*, Legal Authority.

The NPDES permit calls for completion of DCIA (directly connected impervious area) mapping associated with each MS4 outfall within four years. This first Annual Report is to discuss the methodology and assumptions used to estimate the DCIA. The initial estimate will be based on the total area of impervious cover, including roadways, drive ways, sidewalks, parking lots, and building footprints, that discharge to the MS4. The majority of this information should be relatively readily accessible from the edge of pavement layer available in the City's GIS; this data was generated from the 2011 aerial mapping of the City. Allocating the amount of the DCIA to each MS4 outfall and evaluating each drainage area to determine if the roof tops are connected to the DCIA will be performed in subsequent years. Estimates will be revised in the future as development, re-development, or retrofit projects or new information effectively add or remove DCIA to or from the MS4.

4.3.4 Infrastructure Operations and Maintenance

Pollution prevention and good housekeeping are critical minimum control measures because they concentrate on municipal operations including the maintenance of other control measures. These activities can make an immediate difference with local water body pollutant levels. Street sweeping and other maintenance activities reduce the amount of sediment, salt and pollutants entering the drainage system thereby minimizing pollutant loads to local water bodies.

4.3.4.1 Employee Training

Employee training is essential for maintaining and increasing the awareness of water quality related issues in the management of any MS4. Training also enables facility staff to have an improved understanding of the stormwater system and how to minimize the impact the facility has on the MS4.

All employees working at city-owned facilities participate in annual training to meet the requirements of the DEEP's General Permit for the Discharge of Stormwater Associated with Industrial Activity. This annual training includes:

- Overview of the NPDES MS4 Permit
- Review of the goals and objectives of the SMP
- Review of facility Stormwater Pollution Prevention Plan
- Review of good housekeeping
- Identifying and reporting illicit discharges
- Review of spill prevention and response procedures

Stormwater related trainings were conducted for employees working at city-owned facilities on June 7, 2013, June 13, 2014 and July 11, 2014. All members or departmental designees of the Pollution Prevention Team (PPT) will attend additional MS4 SMP training by June 3, 2015; this training has been scheduled for October 23, 2014.

4.3.4.2 Infrastructure Repair and Rehabilitation

It is important that the City make timely repairs to the infrastructure of the MS4 in order to help reduce the discharge of pollutants from the MS4 to the receiving waters. The City is dedicated to giving priority to those projects discharging pollutants to impaired waters or that have other concerns related to the mapping and IDDE process. A schedule for implementation of repairs is developed and updated once the need for the repair is established.

The Water Pollution Control Authority performs routine maintenance and any necessary repairs on the stormwater pumps annually.

The Engineering Department maintains a list of catch basins and manholes that require repair and assigns that work to either the Traffic and Road Maintenance Division or to independent contractors, as needed. During 2013 and the first half of 2014, approximately 150 catch basins and/or manholes were scheduled for repair. A list of 2013 – 2014 catch basin / manhole repair projects is presented in **Appendix E**.

The City also understands that the refinement of the standard operating procedures and good housekeeping practices for the management of the MS4 is essential to improving stormwater quality.

4.3.4.3 Roadway Maintenance

Roadway maintenance activities can directly affect water quality. An important task of roadway maintenance is keeping the highway drainage system functioning. The City is dedicated to ensuring that routine road maintenance is conducted frequently and that roadside ditches are cleaned and inspected periodically to verify that flow is not being restricted.

4.3.4.4 Sweeping

Properly swept streets are a key element to limiting stormwater impacts as sediment and debris can transport other pollutants into the stormwater system and because copious quantities of these materials can inhibit the proper function of MS4 components. During 2013, the City swept over 5,750 miles of streets and collected over 1,350 tons of non-leaf materials. By June 30, 2014 the City had swept 2,072 miles of roadway and collected 967 tons of street material. See *Appendix F* for a copy of the mileage and tonnage reports for 2013 and through June 2014.

Sidewalk sweeping is performed weekly in the Downtown Special Services District (DSSD); this work is coordinated by and paid for by the DSSD. Other City streets were only swept as part of snow removal activities.

The NPDES Permit prescribes very specific sweeping schedules for main lines, arteries, main roads and sidewalks in business and commercial districts, residential streets, other streets, and municipal parking lots between March and November of each year. The City is currently categorizing their roadway system and developing schedules to meet these requirements. One goal is to compress the spring sweeping schedule between March 1st and June 30th to maximize the quantity of material collected at the end of the winter season.

4.3.4.5 Leaf Collection

In 2013, the City conducted its leaf pickup program from November 12th through December 13th. A total of 1,359 tons of leaves were collected.

According to the NPDES Permit, the City shall conduct city-wide leaf pickup program annually to be completed by December 15th. The City has established a procedure that breaks the City of Stamford down into three areas (see Appendix K of the SMP for a map of the leaf collection areas):

- Area #1 north of the Merritt Parkway
- Area #2 between Merritt Parkway and I-95
- Area #3 south of I-95

Leaf pick-up typically begins in mid-November and completed by December 15th. The exact completion date depends on weather conditions and competing demands (snow removal and road salting for staff and equipment). It is important to note that the City finishes leaf pick-up even after snow fall. This process takes approximately four weeks of full time work for all available road maintenance crews.

ANCHOR Engineering Services, Inc.

4.3.4.6 Snow Removal

Timely snow removal and the appropriate application of de-icing materials is another key element to a successful SMP. The City follows the DEEP's *Best Management Practices (BMPs) for Disposal of Snow Accumulation from Roadways and Parking Lot.* A copy of this BMP is presented in Appendix L of the SMP. The purpose of these BMPs is to prevent accumulation of sand, other solids, and pollutants in the stormwater management system and in sensitive areas, such as streams and wetlands.

The NPDES Permit requires that the City implement and refine its SOPs regarding its snow and ice control operations to minimize the discharge of pollutants. Goals must be established for the optimization of chemical application rates through the use of automated equipment including zero velocity spreaders, anti-icing and pre-wetting techniques, implementation of pavement management systems and alternate chemicals.

The City is already well on its way to meeting these goals. The Highway Crew performs anti-icing using liquid calcium chloride to pre-treat bridges and elevated roadways, the most susceptible for freezing, as well as city streets with the highest traffic volume. Once the storm begins, patrols are sent throughout the City to monitor road conditions. Hills and intersections are spot-treated to minimize chemical usage. The City tracks chemical usage; however, given the variability in the amount of snow and ice that needs to be treated each year, it is difficult to set goals for chemical optimization.

Snow is typically moved to the gravel parking lot at West Beach; where there are no catch basins in order to follow these BMPs.

4.3.4.7 Catch Basin Cleaning

Clogged or overloaded catch basins can lead to unwanted stormwater quality impacts. Catch basin sumps provide a first line of defense in improving stormwater quality. Maintenance and cleaning activities are important to the proper operation of each catch basin.

In 2013, the City cleaned 2,024 of its approximately 11,000 catch basins. Approximately 1,570 tons of materials were removed from the basins. Through June 2014, the City cleaned 429 catch basins and removed approximately 510 tons of materials. The 2013 and 2014 catch basin reports are presented in *Appendix* **G**.

The City is currently in the process of finalizing an updated catch basin inspection, cleaning, and repair program. This program will identify and map each MS4 catch basin and determine flow direction, inspect its condition, determine the amount of sediment in each, clean catch basins with less than 50% of their sump capacity available, gather information over time on sediment accumulation rates, and develop a routine maintenance and cleaning schedule as prescribed by the NPDES Permit. To support this program, the City has recently procured two new vac-trucks and hired four new equipment operators and a laborer for this program as well as to generally support its stormwater management and compliance activities (see Section 6).

4.3.4.8 Detention and Retention Ponds

Detention and retention ponds that become overloaded with sediment deposition can negatively impact stormwater quality in the City's MS4. The City is in the process of developing a list of basins that discharge to the MS4 and will develop an inspection schedule for them. Ponds are to be cleaned out when solids levels reach 50% of design capacity.

4.3.4.9 Interconnected MS4s

Connections of other MS4s to the City's MS4 can affect the performance of the City's stormwater system and the quality of its discharges. There are no known interagency agreements between any other municipalities, institutions, or agencies and the City of Stamford. However, it appears that the following municipalities and agencies may be contributing stormwater to the City of Stamford's MS4:

- State of Connecticut (ConnDOT)
- Town of New Canaan, CT
- Town of Darien, CT
- Town of Greenwich, CT
- Town of Pound Ridge, NY

The City is investigating whether any of these entities have interconnected MS4s. If interconnected MS4s do exist, then interagency agreements will be developed detailing the responsibilities of the City of Stamford and each the interconnected MS4 municipality.

4.4 Illicit Discharge Detection and Elimination (IDDE) Program

IDDE will lessen the amount of pollutants discharging to local water bodies. Some people unknowingly dump pollutants into the storm drain or have illegal connections to the drainage system. The permit requires inspection of outfalls during dry weather to determine whether illicit discharges are suspected and then extensive evaluation and follow-up to eliminate the illicit discharges that are found.

During the period from January 1, 2013 – June 30, 2014, the City has begun to develop the legal authority to implement and enforce an illicit discharge detection and elimination (IDDE) program with the drafting of a municipal stormwater management ordinance (see Appendix D of SMP).

Additionally, City personnel continue to follow up on known or suspected illicit discharges as well as any complaints associated with potential illicit discharges through calls to Traffic and Road Maintenance Division or reported via the City's stormwater management website.

No IDDE screenings were performed during the period covered by this Annual Report, so the City is behind schedule on this task. Now that better information has been developed on the number and locations of MS4 outfalls, it is the City's intention to get back on schedule by screening 50% of the outfalls during the time period covered by the 2014-2015 Annual Report. To achieve this goal, 46 known MS4 outfalls will need to be screened by the end of June 2015.

The City also intends to complete IDDE investigations on 5% of the MS4 outfalls during the upcoming year in accordance with the NPDES permit and SMP requirements.

4.5 Monitoring Program

In addition to the screening and monitoring activities associated with the IDDE Program (see *Section 4.4*), the NPDES permit calls for in-stream and stormwater outfall monitoring throughout the life of the permit.

4.5.1 In-Stream Surface Water Quality Monitoring

Under the terms of the NPDES permit, ten in-stream surface water monitoring locations were to be established. Each in-stream monitoring location was to be sampled three times per year during spring, summer, and fall rain events, and a dry sampling event during the summer, in accordance with the permit requirements. On March 5, 2014, the DEEP issued a Notice of Violation (NOV) to the City of Stamford for:

- Failure to establish the in-stream monitoring locations
- Failure to conduct the 2013 summer dry and wet weather in-stream sampling events
- Failure to conduct the fall wet weather in-stream sampling event

A copy of the NOV is presented in *Appendix H*. The City is working towards full compliance with the NOV by December 31, 2014.

In response to this NOV, the City developed a list of ten in-stream surface water sampling locations, which has been approved by the DEEP.

In addition, the City solicited bids from environmental engineering consultants to provide stormwater monitoring services and assist with the implementation of the NPDES permit. Anchor Engineering Services, Inc. was hired in July 2014 to collect the necessary stormwater samples. It is the City's intention to get back on schedule by collecting two rounds of dry weather and five rounds of wet weather in-stream samples by the end of 2014, weather permitting. This modified schedule has been discussed with DEEP staff.

To date, two rounds of dry weather in-stream sampling have been completed (one for 2013 and one for 2014). In addition, one full round and one partial of wet weather in-stream sampling have been completed (7 of 10 sampling locations were sampled before the rain/runoff stopped). Additional wet weather sampling events were not able to be performed due to the following conditions:

- Dry weather conditions with very few rain events
- A limited number of rain events with greater than 0.25-inch of rainfall predicted
- Rain events occurring on weekends (or holiday weekends) when the laboratory is closed and unable to facilitate the six-hour hold time for bacteria analysis

Analytical data is being submitted to the DEEP via the NetDMR system as the laboratory data is received. Copies of Aquatic Toxicity Monitoring Reports (ATMRs) and field data sheets from the two dry weather sampling events are presented in *Appendix I*. Data from subsequent monitoring events will be included in the 2014-2015 Annual Report.

The previous NPDES Permit did not require the City to conduct in-stream monitoring therefore, no previous baseline data has been collected to establish a trend line. Data collected during these initial rounds of sampling will be used to establish a baseline and compared to future monitoring results so as to evaluate the overall impacts of implementation of the SMP on the quality of the receiving streams.

4.5.2 <u>Wet Weather Outfall Monitoring – Previous Permit</u>

The NOV issued in March 2014 also cited the City for failure to collect discharge from outfall locations at six representative locations, as required by the previous NPDES Permit. In response to this item, the City hired Fuss & O'Neill, Inc. to conduct the outfall monitoring for 2012. These outfall samples were collected in August 2014 and have been submitted to the DEEP. A copy of the stormwater monitoring reports (SMRs) for these samples are presented in *Appendix J*.

4.5.3 <u>Wet Weather Outfall Monitoring – Current Permit</u>

The NPDES Permit requires the City to sample all known MS4 outfalls within the first two years of the permit term. To date, no wet weather outfall monitoring has been performed, but it is the City's goal to meet this requirement. The sampling has not occurred because: not all of the MS4 stormwater outfalls have been delineated. As of the date of this report, 92 outfalls have been identified (as discussed in *Section 4.2*).

4.6 Legal Authority

The City has begun the process of establishing an ordinance to address stormwater management issues that will affect NPDES Permit compliance and Zoning Regulations to address stormwater management. The legal authorities that must be established include:

- The authority to administer the stormwater management program and all elements of the SMP.
- The authority to control the contribution of pollutants to the MS4 by permittees registered under the DEEP's *General Permit for the Discharge of Stormwater Associated with Industrial Activity;* by other commercial, industrial, municipal, institutional, or other facilities; and from any site that may affect water quality to the MS4.
- The authority to establish ordinances, bylaws, regulations, or other mechanisms to require developers and construction site operators to maintain consistency with the *Guidelines for Soil Erosion and Sedimentation Control*, the *Connecticut Stormwater Quality Manual*, and all DEEP stormwater discharge permits issued with the City of Stamford.
- The authority to identify existing regulations that may represent barriers to low impact development (LID) practices to minimize the quantity of impervious cover.
- The authority to perform inspections, surveillance, and monitoring related to the MS4.

- The authority to establish ordinances, bylaws, regulations, or other mechanisms to ensure a developer's or construction site operator's proposed use of LID practices by right or exception.
- The authority to revise regulations to eliminate or reduce potential barriers to LID.
- The authority to perform adequate inspection and maintenance activities to optimize the performance and pollutant removal efficiency of privately-owned retention or detention ponds that discharge to or receive discharge from the City's MS4.
- The authority to control through interagency or inter-jurisdictional agreement, the contribution of pollutants between the City's MS4 and MS4 owned or operated by others.
- The authority to prohibit by statute, ordinance, rules and regulations, permit, easement, contract, or any other means, illicit discharges to its MS4; to require the removal of these discharges; and to assess fines, penalties or cost recoupment for violations.
- The authority to control by statute, ordinance, rules and regulations, permit, easement, contract, or any other means, the discharge of spills into its MS4; to prohibit the dumping and disposal of materials into its MS4; and to assess fines, penalties or cost recoupment for violations.

The schedule for establishment of these legal authorities is documented in the NPDES Permit. A draft municipal ordinance and draft changes to the zoning regulations have been prepared and are included in Appendix D and I of the SMP, respectively. These documents have been developed to establish the necessary legal authorities. The public must be provided adequate notice and an appropriate amount of time to participate in the establishment in this legal authority. It is the City's intention to establish these legal authorities as soon as possible.

5 SUMMARY OF PROPOSED SMP MODIFICATIONS

The SMP was updated and submitted to the DEEP on September 2, 2014. No modifications to the submitted SMP are proposed at this time.

6 PROGRAM RESOURCES ANALYSIS

6.1 Fiscal Analysis

During the initial year of the current NPDES permit, the City made an effort to secure budget, staffing, and resources necessary to develop and implement the SMP, to comply with the NPDES permit requirements, and to improve the overall quality of stormwater discharging from its MS4. The City is committed to identifying these details and adequately funding them to achieve compliance with the NPDES permit as soon as possible.

Some line items in the City's Capital and Operating Budgets are obviously related to MS4 stormwater compliance, such as the "Environmental Compliance" and "Stormwater Management". However, there are other line items for infrastructure and other public improvement projects (drainage, catch basin, storm lines, etc.), special projects, and operating expenses that will result in direct improvements to stormwater runoff quality and the quality of discharge from the City's MS4. For example, the closure of the old Scofieldtown Road Landfill is being performed for specific reasons, but should have the added benefit of improving stormwater quality in these areas of the City.

There are also budget line items for vehicle, equipment, and information technology upgrades throughout the City which include Departments with responsibility for stormwater quality improvements and implementation of the SMP.

The Traffic and Road Maintenance Division has a \$7,860,000 operating budget for 2014-2015, including \$954,000 specifically for MS4 stormwater management, \$252,000 for leaf collection, \$1,070,000 for storm management, and \$5,400,000 for traffic and road maintenance, including street sweeping and infrastructure improvements.

In addition, other Departments, such as Engineering (catch basin and manhole improvements and replacement program), Land Use (environmental reviews), Solid Waste (motor oil recycling and HHW events), Water Pollution Control (stormwater pump operation), and Administration provide services through their capital and operating budgets.

Excerpts of the City's Annual Capital and Operating Budgets for 2013-2014 and for 2014-2015 are attached in *Appendix K*. The entire adopted capital and operating budgets are available on the City's website at <u>http://www.stamfordct.gov/</u>

It is anticipated that additional funding will be required for the following monitoring activities:

- Wet weather sampling of each identified MS4 outfall
- IDDE screening and investigations

Additional funding, associated with additional staffing discussed in the next section of this Annual Report, will also be required in coming fiscal years.

6.2 Staff and Resources

As previously mentioned, the City transferred responsibility for many of the stormwater management tasks and MS4 permit compliance from the Water Pollution Control Authority to the Traffic and Road Maintenance Department with the issuance of the NPDES permit in June 2013. While evaluating the permit requirements, the Traffic and Road Maintenance Supervisor and Pollution Prevention Team Coordinator, Thomas Turk, began to assess the staff and resources necessary to achieve and maintain compliance. Several staff have been hired in the spring, summer, and fall of 2014, including:

- Regulatory Compliance and Administrative Officer, Tyler Theder, to be responsible for day-today activities associated with MS4 stormwater quality. Under the general direction of the Director of Operations or designee, this individual is responsible for ensuring City agency, resident, and business compliance with environmental permits, procedures and mandated regulations. The Regulatory Compliance and Administrative Officer is responsible for public education and involvement, stormwater training, monitoring, and development and implementation of the IDDE and infrastructure maintenance programs. He is also responsible for coordinating internal MS4 stormwater activities with other City Departments and exercising supervision over employees and contractors. The Regulatory Compliance and Administrative Officer will assist the Team Coordinator and Director of Operations with longterm planning and budgeting necessary to achieve and maintain compliance with the NPDES permit. He may perform inspections and issue notice of violations, as needed in the future. A job description for this position is presented in *Appendix L*.
- Clerk of the Works II, Natasha Townsend, to assist the Team Coordinator and Regulatory Compliance and Administrative Officer with stormwater compliance, particularly field-related activities.
- Four heavy equipment operators to complete field work including catch basin identification, investigation, cleaning, and maintenance. These operators are also responsible for assisting with sweeping, snow removal, leaf pickup and other activities designed to improve the quality of stormwater runoff. A job description for individuals in this position is presented in *Appendix L*.
- One laborer to assist the equipment operators, as needed. A job description for this position is presented in *Appendix L*.

Over the course of the 2014-2015 year, the Stormwater Department will assess these new staffing levels as the SMP is implemented and additional schedules are prepared and goals are set.

In addition to these individuals, the Traffic and Road Maintenance Division maintains a work force of skilled operators, laborers, administrative, support, and management personnel that provide many of the direct services outlined in this Annual Report such as roadway sweeping, leaf pickup, snow removal, and infrastructure improvements and maintenance. They are also available to assist on other stormwater management projects as directed.

Several other City Departments all provide personnel to support compliance with the NPDES permit and implementation of the SMP, including Engineering, Land Use, Planning, Zoning, Environmental Protection, Information Technology (GIS), Water Pollution Control Authority, Solid Waste, Recreation and Leisure Services, Parks, Parking & Transportation, Fleet Maintenance, Legal, and the Fire Department.

During the upcoming initial year of implementation of the SMP and after establishment of the new municipal stormwater ordinance and the changes to the Zoning Regulations, City Departments will be better able to assess the adequacies of their staffing levels with the added MS4 permit compliance requirements. It is anticipated that additional staffing may be necessary in the following areas:

- Information Technology There is a substantial amount of stormwater mapping and information management to be set up and managed, particularly during the first several years of the permit.
- Engineering and Land Use Offices Once the revised Zoning Regulations have been enacted, there will be greater demands on the personnel in these areas to review and ensure low impact developments, review site plans and drainage computations, etc.

Once the revised Zoning Regulations have been enacted, there will be a need for additional construction site inspections, retention and detention basin inspections and maintenance, stormwater infrastructure (swales, ditches, storm drain lines, etc.) inspections and maintenance, post-construction inspections and maintenance, and illicit discharge detection and elimination program implementation. Additional staffing will be necessary to complete these tasks; the City's ability to complete these activities in the past has been hampered due to limited staff resources.

The City has procured new equipment to assist in the implementation of the MS4 Permit and its SMP. Two new vac-trucks have been procured by the Traffic and Road Maintenance Division to facilitate catch basin inspection and cleaning operations. The vehicles cost \$400,000 each. Additionally, the City is evaluating GIS-based software and the necessary hardware to track catch basin inspection and cleaning operations, outfall identification, infrastructure repairs, and sweeping activities.

Additional software and equipment needs will be assessed during the coming year and requested in the City's next fiscal year budget.

APPENDIX A

DEFINITIONS

DEFINITIONS

"BMPs" or "Best Management Practices" means either structural or engineered control devices and systems (e.g. retention ponds) to treat polluted stormwater, as well as operational or procedural practices (e.g. minimizing use of chemical fertilizers and pesticides).

"Commissioner" means the commissioner as defined by section 22a-2(b) of the Connecticut General Statutes.

"*CTDEEP*" or "*DEEP*" means the Connecticut Department of Energy and Environmental Protection, whose mission is to conserve, improve and protect the air, water and other natural resources and environment of the State of Connecticut while fostering sustainable development.

"DCIA" or "Directly Connected Impervious Area" means that part of the total impervious area that is hydraulically connected to the City of Stamford's MS4. DCIA typically includes streets, sidewalks, driveways, parking lots, and roof tops. DCIA typically does not include isolated impervious areas that are not hydraulically connected to the MS4 or otherwise drain to a pervious area.

"EPB" means the City of Stamford's Environmental Protection Board.

"HHW" or "Household Hazardous Waste" means post-consumer waste which qualifies as hazardous waste when discarded. It includes household chemicals and other substances for which the owner no longer has a use, such as consumer products sold for home care, personal care, automotive care, pest control and other purposes.

"IDDE" or "Illicit Discharge Detection and Elimination" means a program to detect and eliminate existing illicit discharges and to prevent future illicit discharges.

"IDDP" or "Illicit Discharge Detection Protocol" means a protocol established to identify, prioritize and investigate separate storm sewer catchments for suspected illicit discharges of pollutants.

"Illicit Discharge" means any discharge to the MS4 that is not composed entirely of stormwater, with the exception of discharges authorized by another NPDES Permit, or discharges described in the "Non-Stormwater Discharges" section (Section 4(A)(3)) of the permit.

"Impaired Waters" means those surface waters of the state designated by the Commissioner as impaired pursuant to Section 303(d) of the Clean Water Act and as identified in the most recent State of Connecticut Integrated Water Quality Report.

"LID" or "Low Impact Development" means land planning and engineering design approach to manage stormwater runoff. LID emphasizes conservation and use of on-site natural features to protect water quality.

"MS4"" or "Municipal Separate Storm Sewer System" means a conveyance, or system of conveyances, including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains, which is or are (i) owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as sewer districts, flood control districts or drainage districts, or similar districts, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the state; (ii) designed or used for collecting or conveying stormwater; (iii) which is not a combined sewer; and (iv) which is not part of a POTW.

"NOV" or "Notice of Violation" means a notice provided by the CTDEEP informing the permittee that a violation of law has occurred.

"NPDES Permit" or "National Pollutant Discharge Elimination System Permit" means the program authorized by the Clean Water Act which controls water pollution by regulating point sources that discharge pollutants into waters of the United States.

"Outfall" means the discharge point of a waste stream into a body of water.

"PHFs" means pesticides, herbicides and fertilizers.

"*Point Source*" means any discernible, confined and discrete conveyance (including, but not limited to any pipe, ditch, channel, tunnel, conduit, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft) from which pollutants are or may be discharged.

"POTW" or "Publicly Owned Treatment Works" means sewage treatment plants.

"SMP" or "Stormwater Management Plan" sets forth a program to provide for the implementation of specific control measures, stormwater monitoring, illicit discharge detection and elimination, and other appropriate means to control the quality of the authorized discharge.

"SP&R Plan" or "Spill Prevention and Response Plan" means a plan to prevent, contain and respond to spills entering the MS4.

"Stormwater" means waters consisting of rainfall runoff, including snow or ice melt during a rain event, and drainage of such runoff.

APPENDIX B

STORMWATER MANAGEMENT PLAN SUMMARY TABLE

Annual SMP Summary Table January 1, 2013 - June 30, 2014

Activity Description	# Actions Scheduled	Status Complete / Incomplete as of June 30th	# Actions Completed	Comments on Activities	Public Comments on Activity
1. Education					
1.1 City and Government					
1.1.1 Training	As needed	Complete	3	City Employee Stormwater related trainings were conducted on 6/7/13, 6/13/14 and 7/11/14. All employees working at city-owned facilities receive annual training on stormwater related items. Additional MS4 stormwater training to be performed October 2014.	
1.2 Public					
1.2.1 Annual Information Meeting	Annually	Incomplete		Meeting held on 07/29/2014	
1.2.2 Annual SMP Review and Comments	Annually	Incomplete		SMP submitted to DEEP on September 2, 2014.	
1.2.3 HHW Collection	At least Annually	Complete	2	HHW Collection held on 07/13/2013 and 07/19/2014 at the Rippowam Middle School. Stamford citizens may also use HHW collection days in seven neighboring towns each year.	
1.2.4 Pet Waste Control	As needed	On-Going	As needed	Educational pamphlets distributed to dog owners annually at time of licensure. A schedule for new dispenser locations was established and new dispensers were ordered; dispenser are emptied on an as needed basis.	
1.2.5 Distribution of Educational Information	As needed	Complete	3	Educational pamphlet "Preventing Stormwater Pollution" was sent out with all tax bills on or around June 15, 2014. Educational pamphlet on lawn care, pesticides, and LID distributed to all Stamford contractors. WPCA tours include reference to stormwater management and "Stormwater IQ".	
2. Public Involvement					
2.1 Mill River Collaborative (MRC)	On-going	Complete	8000 volunteer hours	Making improvements to the Mill River Park through joint efforts the MRC.	
2.2 SoundWaters in Cove Park	On-going	Incomplete	-	The City is in the process of teaming with SoundWaters for conducting an educational program in Cove Park.	
3. Mapping					
3.1 Initial Outfall, Sampling, Roadway, Receiving Waters, Watersheds	On-going until all are identified	On-Going	-	To be completed by 06/03/2015	
3.2 IDDE Mapping - Infrastructure, Findings, Data, Activities, Projects	On-going until all are identified	On-Going		To be completed by 06/03/2016	
3.3 Establish DC IA	25% of total area per year	On-Going	*	To be completed by 06/03/2015	
. Infrastructure Operations & Maintenance 4.1 Infrastructure Repair & Rehab	On-going	On-going	As needed	A schedule for implementation of repairs is maintained by the Engineering Dept and updated as needed / as items are completed.	
4.2 Roadway Maintenance	On-going	On-going	As needed	The City is dedicated to ensuring that routine road maintenance is conducted frequently and that roadside ditches are cleaned and inspected periodically to verify that flow is not being restricted.	
4.3 Street Sweeping	See Appendix F	On-going	7570	During 2013, the City swept over 5,750 miles of streets and collected over 1,350 tons of non-leaf materials. By June 30, 2014 the City had swept 2,072 miles of roadway and collected 967 tons of street material.	
4.4 Sidewalk Sweeping	See Appendix K of the SMP	On-going	-	Sidewalk sweeping occurs in the downtown area, as described in the SMP and is coordinated and paid for by the DSSD (downtown special services district)	
4.5 Leaf Collection	At least Annually	Complete	3 Areas	Leaf collection completed for 2013 by December 13.	

Annual SMP Summary Table January 1, 2013 - June 30, 2014

Activity Description	# Actions Scheduled	Status Complete / Incomplete as of June 30th	# Actions Completed	Comments on Activities	Public Comments on Activity
4.6 Snow Removal	As needed	Complete	-	Snow removal completed as necessary for 2013 and 2014.	
4.7 Catch Basin Cleaning	See Appendix G	On-going	2453	Approximately 1,570 tons of materials were removed from the basins in 2013. Through June 2014, the City removed approximately 510 tons of materials.	
4.8 City Owned Detention & Retention Pond Inspections	Annually	On-going	-	The City is in the process of compiling a list of the detention and retention ponds that discharge to the MS4.	
4.9 Interconnected MS4s	On-going .	On-going		There are no known interagency agreements between any other municipalities, institutions, or agencies and the City of Stamford. The City is investigating with adjacent communities and ConnDOT.	
5. Stormwater Monitoring					
5.1 Wet Weather In-Stream	3 samples per location per year	Incomplete	0	No wet weather in-stream surface water sampling was performed prior to June 30, 2014. One complete and one partial round have recently been performed.	
5.2 Dry Weather In-Stream	1 sample per location per year	Incomplete	0	No dry weather in-stream surface water sampling was performed prior to June 30, 2014. Two rounds have recently been performed.	
5.3 Wet Weather Outfall	All outfalls within first two years	On-going	0% Completed	The City hired Fuss & O'Neill, Inc. to conduct the outfall monitoring for 2012. These outfall samples were collected in August 2014 and have been submitted to the DEEP. To date, no wet weather outfall monitoring has been performed, but it is the City's goal to meet this requirement.	
5.4 Dry Weather Known Outfalls	See IDDE Outfall Screening	On going	-	See IDDE Outfall Screening	
5.5 Dry Weather New/Unknown Outfalls	As needed	On-going	-	No new outfalls identified at this time.	
6. IDDE	i lo needed				
6.1 Outfall Screening (Pre-IDDP)	25% of known MS4 outfalls per year	Incomplete	0% Completed	No IDDE screenings were performed during the period covered by this Annual Report. Updated schedule proposed in 2014 SMP	
6.2 IDDP	5% of top 20%; starting year 2	-	-	Updated schedule proposed in 2014 SMP	
6.3 Outfall Verification (Post-IDDP)	As needed	-	-	No IDDP efforts completed at this time.	
7. Legal Authority 7.1 Permits	As needed	On-Going	As needed	All permits to be signed off by each individual City department, including: Coastal Management, Environmental Protection, Flood Plain, Traffic Dept, Engineering Dept, DOT, and Zoning.	
7.1.1 Zoning Department	As needed	On-Going	As needed	The City is in the process of changing the zoning regulations per the requirements of the General Permit.	
7.2 Ordinances					
7.2.1 Stormwater Management	As needed	On-going	As needed	A DRAFT Stormwater Management Ordinance HAS BEEN developed. The Stormwater Ordinance will provide the City with legal authority necessary to carry out all inspections, surveillance and monitoring procedures.	
7.2.2 LID	As needed	On-going	As needed	The proposed changes to the zoning regulations will ensure that LID practices are allowable. There are no known zoning, site planning or street design regulations that would be an impediment to using LID practices.	

Annual SMP Summary Table January 1, 2013 - June 30, 2014

Activity Description	# Actions Scheduled	Status Complete / Incomplete as of June 30th	# Actions Completed	Comments on Activities	Public Comments on Activity
7.3 Site Review, Inspection and Monitoring Activities	As needed	On-going	As needed	The City's staff performs site visits when the project is in close proximity to a wetland or other water body. Current staffing levels limit the opportunities for site inspections to only those projects with the greatest potential for impact to stormwater quality. Site visits frequently occur prior to the issuance of a Certificate of Occupancy (CO).	
7.4 Eliminate Barriers	On-going	On-going	-	The City has well-established procedures for coordinating municipal departments review and approval of land disturbances and development projects.	
7.5 Private Retention/Detention Ponds	On-going	On-going	-	Access to privately-owned detention and retention ponds will be addressed in the Stormwater Ordinance.	
7.6 Interconnections	On-going	On-going		Research by City staff has revealed that no formal interagency stormwater agreements exist at this time. If agreements are deemed necessary, they will be discussed in the next annual report. Historically, ConnDOT maintains all State roads.	
8. Monitor PHFs					
8.1 City Parks	On-going	On-Going	-	In 2014, the City did not fertilize park green space.	
8.2 PHF Use in Ball Fields	On-going	On-Going	-	In 2014, the City applied a total of the following fertilizers to 12 athletic fields: Dimension 18-0-40 ~3000lbs; Propendi ~3000lbs; Fertilizer ~2400lbs.	
8.3 Sterling Farms Golf Course Nitrogen Monitoring	On-going	On-Going	-	Total Nitrogen Use applied to 58.5 acres: 2013 - 5,380 tons	
8.4 E. Gaynor Brennan Municipal Golf Course Nitrogen Monitoring	On-going	On-Going		Total Nitrogen Use applied to 35 acres: 2013 - 9,082 tons	
9. Other Program Items					
9.1 Establish SPRPs	1	Complete		The City currently maintains the SPRPs for Highway Dept, Maint Dept & Recycle Center, Town Yard, PD, and WPCF. Other areas are covered by the SPRP established by the Stamford Fire & Rescue Department.	
9.2 Review & Modify Current SMP	Annually	-	-	The City's SMP was submitted to the DEEP in September 2014. No modifications are proposed at this time.	

HHW - Household Hazardous Waste

SMP - Stormwater Management Plan

DCIA - Directly Connected Impervious Area

BMP - Best Management Practices

LID - Low Impact Development

PHF - Pesticides, Herbicides and Fertilizers

SPRP - Spill Prevention and Response Plan

APPENDIX C

MS4 OUTFALL LOCATIONS

City of Stamford - CT0030279 IDDE Outfall Priority Ranking



Outfall ID	Location	Receiving Stream	Priority Ranking	Notes
DIS-1	Harbor Drive - located in Schooner Cove Condos behind pool	Stamford Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-2	Mitchell Street - end of street	Stamford Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-3	Downs Avenue - behind 129 / 135 Downs Ave.	Stamford Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-4	Ralsey Road - behind 1 Ralsey Road	Stamford Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-5	Ralsey Road South - behind 43 Ral. Rd. / N. side Stam. Yacht Club	Stamford Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-6	East side of East Branch - adjacent to WPCA	Stamford Harbor / Long Island Sound	Α	may need boat to sample at low tide
DIS-7	Ocean Drive West - behind 115 ODW, S. side of Stam. Yacht Club	Stamford Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-8	East side of East Branch - adjacent to Solid Waste Building	Stamford Harbor / Long Island Sound	Α	may need boat to sample at low tide
DIS-9	East side of East Branch - adjacent to WPCA	Stamford Harbor / Long Island Sound	Α	may need boat to sample at low tide
DIS-10	Fairview Ave West side. End of street	Stamford Harbor / Long Island Sound	В	possible recreational contact with water
DIS-11	Saddle Rock Road - backyard of 89 / 107 Saddle Rock Rd.	Stamford Harbor / Long Island Sound	В	possible recreational contact with water
DIS-12	Green Street - end of street	Rippowam River	В	discharge to impaired waters
DIS-13	West North Stadjacent to bridge	Rippowam River	В	discharge to impaired waters
DIS-14	Stamford Ave end of street	Long Island Sound	В	possible recreational contact with water
DIS-15	Shippan Ave end of street	Long Island Sound	Α	Previous MS4 permit sampling location #1
DIS-16	Ocean View Drive - end of street adjacent to public beach	Long Island Sound	Α	possible recreational contact with water
DIS-17	Hobson St end of street	Long Island Sound	Α	possible recreational contact with water
DIS-18	Main St. & Mill River St. at S. side of bridge	Rippowam River	Α	Complaint of possible ID in area
DIS-19	Ocean Drive North - backyard of vacant lot between 20 & 40 ODN	Westcott Cove / Long Island Sound	Α	possible recreational contact with water
DIS-20	Tresser Blvd adjacent to bridge on S. side	Rippowam River	Α	Complaint of possible ID in area
DIS-21	Cold Spring road - adjacent to N. side of bridge	Rippowam River	Α	Previous MS4 permit sampling location #2
DIS-22	Tresser Blvd adjacent to bridge on N. side	Rippowam River	Α	Complaint of possible ID in area
DIS-23	Division St end of street	Rippowam River	Α	Previous MS4 permit sampling location #4
DIS-24	Soundview Drive	Westcott Cove / Long Island Sound	В	possible recreational contact with water
DIS-25	Selleck St behind 328 Selleck - samples collected in manhole	Long Island Sound	Α	Previous MS4 permit sampling location #6
DIS-26	Mill River St. & Smith St.	Rippowam River	Α	Complaint of possible ID in area
DIS-27	West View Lane - N. side of street, off Westover Rd.	Mianus River	Α	Complaint of possible ID in area
DIS-28	Meadowpark Ave. West - located in park area	Rippowam River	С	possible recreational contact with water
DIS-29	Innaccurate location - eliminated		-	
DIS-30	Weed Ave adjacent to E. Main St.	Holly Pond / Long Island Sound	В	possible recreational contact with water
DIS-31	Innaccurate location - eliminated		-	
DIS-32	Innaccurate location - eliminated		-	
DIS-33	Innaccurate location - eliminated		-	
DIS-34	Innaccurate location - eliminated		-	
DIS-35	Viaduct Road - backyard of 57 Viaduct Rd. adj. to end of cul de sac	Noroton River	В	discharge to impaired waters

DIS-36	Poplar St N. side of 52 Poplar St.	Noroton River	В	discharge to impaired waters
DIS-37	Vernon Place - end of street	Rippowam River	В	discharge to impaired waters
DIS-38	Innaccurate location - eliminated		-	
DIS-39	Innaccurate location - eliminated		-	
DIS-40	Innaccurate location - eliminated		-	
DIS-41	Innaccurate location - eliminated		-	
DIS-42	Innaccurate location - eliminated		-	
DIS-43	Innaccurate location - eliminated		-	
DIS-44	Innaccurate location - eliminated		-	
DIS-45	Richmond Hill Ave adjacent to bridge	Rippowam River	В	discharge to impaired waters
DIS-46	Innaccurate location - eliminated		-	
DIS-47	Cove Island Park - adjacent to S. end of parking lot	Cove Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-48	Cove Island Park - Cove Road	Cove Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-49	Mill River Park - adjacent to Mill River St.	Rippowam River	Α	possible recreational contact with water
DIS-50	Cummings Park - adjacent to East Ave.	Westcott Cove / Long Island Sound	Α	possible recreational contact with water
DIS-51	Innaccurate location - eliminated		-	
DIS-52	Meadowpark Ave. East - located in park area	Rippowam River	С	possible recreational contact with water
DIS-53	Innaccurate location - eliminated		-	
DIS-54	Innaccurate location - eliminated		-	
DIS-55	Innaccurate location - eliminated		-	
DIS-56	Innaccurate location - eliminated		-	
DIS-57	Innaccurate location - eliminated		-	
DIS-58	Maple Tree Ave south side of bridge	Noroton River	С	discharge to impaired waters
DIS-59	Innaccurate location - eliminated		-	
DIS-60	Stanwick Circle - backyard of 8 Stanwick Circle	Rippowam River	C	discharge to impaired waters
DIS-61	Innaccurate location - eliminated		-	
DIS-62	Courtland Hill St located in backyard of 119 Courtland Hill St.	Noroton River	Α	discharge to impaired waters
DIS-63	Lenox Ave end of street	Noroton River	Α	discharge to impaired waters
DIS-64	Innaccurate location - eliminated		-	
DIS-65	Innaccurate location - eliminated		-	
DIS-66	Innaccurate location - eliminated		-	
DIS-67	Innaccurate location - eliminated		-	
DIS-68	Jefferson Street - North end of East Branch	Stamford Harbor / Long Island Sound	А	may need boat to sample at low tide
DIS-69	West Forest Lawn Ave end of street	Rippowam River	С	discharge to impaired waters
DIS-70	Washington Blvd. and Fourth St South Outfall	Rippowam River	Α	Previous MS4 permit sampling location #3
DIS-71	Washington Blvd. and Fourth St North Outfall	Rippowam River	Α	Previous MS4 permit sampling location #3
DIS-72	Innaccurate location - eliminated		-	
DIS-73	Washington Blvd. and Second St.	Rippowam River	В	discharge to impaired waters
DIS-74	Jefferson Street - North end of East Branch	Stamford Harbor / Long Island Sound	А	may need boat to sample at low tide
DIS-75	Poplar St end of street	Noroton River	А	Previous MS4 sampling location #5
DIS-76	Research Drive - north of 74 Research Dr.	Noroton River	В	discharge to impaired waters
DIS-77	Research Drive - backyard of 74 Research Dr.	Noroton River	С	discharge to impaired waters
DIS-78	Research Drive - backyard of 92 Research Dr North outfall	Noroton River	Α	discharge to impaired waters

DIS-79	Research Drive - backyard of 92 Research Dr South outfall	Noroton River	А	discharge to impaired waters
DIS-80	Innaccurate location - eliminated			
DIS-81	Innaccurate location - eliminated		_	
DIS-82	Old Colony Road - backyard of 3 Old Colony	Noroton River	В	discharge to impaired waters
DIS-83	Hope St. bridge at Mead St south side of bridge	Noroton River	B	discharge to impaired waters
DIS-84	Camp Ave located at southeast corner of prop. Adj. to RR tracks	Noroton River	B	discharge to impaired waters
DIS-85	Hope St - adjacent to springdale school ballfield	Noroton River	B	discharge to impaired waters
DIS-86	Minivale Rd backyard of 158 /156 Minivale rd.	Noroton River	B	discharge to impaired waters
DIS-87	Innaccurate location - eliminated		-	
DIS-88	Oenoke Place - backyard of Riveroak condos 40 Oenoke	Noroton River	В	discharge to impaired waters
DIS-89	Ceretta St end of street	Noroton River	B	discharge to impaired waters
DIS-90	Innaccurate location - eliminated		-	
DIS-90	Innaccurate location - eliminated			
DIS-92	Innaccurate location - eliminated			
DIS-92	Innaccurate location - eliminated		-	
DIS-93	Columbus Place - backyard of 71 / 65 Columbus Place	Noroton River	A	2008 photo shows possible illicit discharge
DIS-94	River Place - end of street	Noroton River	B	discharge to impaired waters
DIS-95	Garland Drive - adjacent to 92 Camp Ave.	Noroton River	B	discharge to impaired waters
DIS-96	Regent Court - backyard of 46 Regent Court	Noroton River	C	discharge to impaired waters
DIS-97 DIS-98	Regent Court - backyard of 32 Regent Court	Noroton River	C C	
			_	discharge to impaired waters
DIS-99	Regent Court - backyard of 12 Regent Court	Noroton River	C C	discharge to impaired waters
DIS-100	Joffre Ave backyard of 133 Joffre	Noroton River	<u>с</u>	discharge to impaired waters
DIS-101	Innaccurate location - eliminated	Lus determein e d		
DIS-102	Loveland Road - backyard of 305 Loveland Road	Undetermined	c	discharge to impaired waters
DIS-103	Crestwood Drive - backyard of 90 Crestwood Dr.	Undetermined	c	discharge to impaired waters
DIS-104	White Birch Lane - S. side of bridge	Undetermined	С	discharge to impaired waters
DIS-105	Innaccurate location - eliminated	the determined	-	descharges to the second second
DIS-106	Dannell Drive - E. side of headwall	Undetermined	C	discharge to impaired waters
DIS-107	Dannell Drive - W. side of headwall	Undetermined	С	discharge to impaired waters
DIS-108	Woods End Road - backyard of 65 Woods End Road	Undetermined	C	discharge to impaired waters
DIS-109	Woods End Road - E. side of Stamford Land cons. Trust parcel	Undetermined	C	discharge to impaired waters
DIS-110	Innaccurate location - eliminated		-	
DIS-111	Innaccurate location - eliminated		-	
DIS-112	Woods End Road - backyard of 57 Woods End Road	Undetermined	С	discharge to impaired waters
DIS-113	Innaccurate location - eliminated		-	
DIS-114	Innaccurate location - eliminated		-	
DIS-115	Innaccurate location - eliminated		-	
DIS-116	Haig Ave located in southern park area	Noroton River	A	possible recreational contact with water
DIS-117	Haig Ave located in northern park area	Noroton River	A	possible recreational contact with water
DIS-118	Innaccurate location - eliminated		-	
DIS-119	Innaccurate location - eliminated		-	
DIS-120	Innaccurate location - eliminated		-	
DIS-121	Davenport Drive	Stamford Harbor / Long Island Sound	A	possible recreational contact with water

DIS-122	Davenport Street - O & G	Stamford Harbor / Long Island Sound	А	possible recreational contact with water
DIS-123	Davenport Street - O & G	Stamford Harbor / Long Island Sound	Α	possible recreational contact with water
DIS-124	Innaccurate location - eliminated		-	
DIS-125	Florence Court - backyard of 26 Florence Ct.	Rippowam River	С	
DIS-126	Southfield Avenue - behind 126 Southfield (marshall trucking)	Stamford Harbor / Long Island Sound	Α	Complaint of possible ID in area
DIS-127	Westover Lane - south side of road	Mianus River	Α	Complaint of possible ID in area
DIS-128	Innaccurate location - eliminated		-	
DIS-129	Westover Lane - north side of road /backyard of 43 Westover Ln.	Minanus River	Α	Complaint of possible ID in area
DIS-130	Weed Ave adjacent to Birch St.	Holly Pond / Long Island Sound	Α	possible recreational contact with water
DIS-131	Riverside Ave located in backyard of 19 Riverside	Rippowam River	С	
DIS-132	Weed Ave. and Matthews St South outfall	Holly Pond / Long Island Sound	Α	possible recreational contact with water
DIS-133	Weed Ave. and Matthews St North outfall	Holly Pond / Long Island Sound	Α	possible recreational contact with water
DIS-134	Innaccurate location - eliminated		-	
DIS-135	Crestview Ave backyard of 87 Crestview Ave.	Noroton River	С	discharge to impaired waters
DIS-136	Innaccurate location - eliminated		-	
DIS-137	Innaccurate location - eliminated		-	
DIS-138	Innaccurate location - eliminated		-	
DIS-139	Overhill Rd. and Barncroft Rd.	Rippowam River	С	discharge to impaired waters
DIS-140	Innaccurate location - eliminated		-	
DIS-141	Innaccurate location - eliminated		-	
DIS-142	Barncroft Road	Rippowam River	С	discharge to impaired waters
DIS-143	Innaccurate location - eliminated		-	
DIS-144	Innaccurate location - eliminated		-	
DIS-145	Kenilworth Drive East	Westcott Cove / Long Island Sound	В	possible recreational contact with water
DIS-146	Innaccurate location - eliminated		-	
DIS-147	Innaccurate location - eliminated		-	
DIS-148	Innaccurate location - eliminated		-	
DIS-149	Innaccurate location - eliminated		-	
DIS-150	Innaccurate location - eliminated		-	
DIS-151	Innaccurate location - eliminated		-	
DIS-152	Innaccurate location - eliminated		-	
DIS-153	Innaccurate location - eliminated		-	
DIS-154	Innaccurate location - eliminated		-	

Totals - 46 'A' Priority Ranking - to be screened by 6/30/2015

23 'B' Priority Ranking - to be screened by 6/30/2016 23 'C' Priority Ranking - to be screened by 6/30/2017

92 Total Outfalls screened by 6/30/2017



Disclaimer: Road information displayed on this map is for general reference purposes only and is not represented as survey-accurate or up to date. All information is subject to verification by any user. The City of Stamford assumes no legal responsibility for the information contained herein. map printed 8/27/14

APPENDIX D

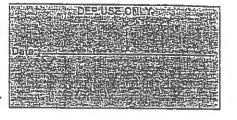
PESTICIDE, FERTILIZER AND HERBICIDE USE: 2013 AND THROUGH JUNE 2014



Sommercial Applicator Pesticitis Use Summary Report

Print in ink or type unless otherwise noted. Retain a copy for your records.

This form must be submitted on or before January 31st for pesticide applications made during the preceding calendar year.



Part I: Pesticide Certified Supervisor Information

-		
1.	Name and Address of Certified Supervisor:	
	Name: Tracey Holliday	
	Home Address: 1347 New Field Ave	
	City/Town: Stam Ford	State: CT Zip Code: 06905
	Phone: 203-322-5731 ext.	Fax: 203-329-8172
	Supervisory Certification No. 5 - 1806 Arbori	st Certification No.
	Please check here if your home address has changed s	ince your last submittal.
2.	Name and Address of Business Name: Sterling Farms Golf Cour Mailing Address: 1349 New field Ave	Se
	City/Town: Stamford	State: CT Zip Code: 06905
Į	Business Phone: 203-321-3414 E-mail Address: Carpy 8 00ptonline, net Contact Person: Please check here if your business address has change	Fax: 203-329-8172 Title: Golf Course Superintendent ed since your last submittal.

Part II: Reporting Period

1. This report covers the period from January 1,	to December 31, 2013
 Check this box if pesticide usage by the abov	e named supervisor has been reported by another Certified
Supervisor and provide that individual's name	and certification number.
Name:	Supervisory Certification No.
 Check this box if no pesticides were applied	d during the above reporting period. If so, you must still
complete and submit the remaining parts of the	his form, with the exception of Part IV.

DEP-PEST-REP-006

Cartilloution Inc. 5- 1806

Sectors fair 2013

Part III: Cartified Applicator's information

Mana or Camiled Applicator	Certification to
Tracey Holliday - Certified Supervisor	5-1806
Keith Carper	0-27202
Athan Bakis	0-18852
Robert Doris	0-18855
George Payne Ir	6-9727
William Balkis	0-41960

Part IV: Commercial Pesticide Usage

Festicide Product Name	Registration	Potal Amount of Pesticide Used Before Diluting (check dals on los)	
Cavalier F	100 - 69	32	gal or 🗌 lbs
Tar tan	432-1446	17%.	gal or 🗌 lbs
T.M. 4.5 F	66222-134	30	gal or 🗍 lbs
Headway	100-1216	30	gal or 🗌 lb:
Insignia SC	7969-290	10	gal or 🗌 ib:
AFFIRM	68173-3-1001	36	gal or 🔽 lb:
medallion Sc	100-1448	14	gal or 🗌 lb
Dacan'l Action	100-1364	37.14	gal or 🗌 ib
Chlorothalonil 720 SFT	66222-154	80	gal or 🗌 ibs
Secure.	71512-20-100	17	gal or 🗌 ib
Provavint	352-716	83/4	gal or 11
Banol	432-942	30	gal or 🗌 Ib
Lesco Banol	432-942-10404	9	gal or] Ib

Check here if additional sheets are necessary. You may reproduce this sheet and attach the additional sheets to this sheet

DEP-PEST-REP-006

Rev 10/20/09

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			5-1800		

Reporting Veen 2013

Part III: Certified Applicator's Information

Mama of Cerdified Application as the set of	Bentilementer
Tracey Holliday-Centified Supervisor	5-1806
Keith Carper	0-27202
Athan Balkis	0-18852
Robert Dows	0-18855
George Payne Jr.	6-9727
George Payne Jr. William Bakis	0-41960
**	

Part IV: Commercial Pesticide Usage

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	$= [Uo_1, \dots, n] \in \mathbb{R}$	્રિંગ્સ્ટ (ઊલ એડ્વ	
Chlorothalon: 1 DF	66222-149-73220	80	gal or 1bs
Tebucanazole	66222-117	17.	gal or 🗌 lbs
conserve Sc	62719-291		gal or 🗍 ibs
Lambda GC-0	53883-244-6622	2 i	gal or 🗌 Ibs
Instrata	100-1231	54	gal or 🗌 lbs
Scimitar GC	100 - 1088		gal or 🗌 lbs
Acelepryne	352-731	10	🖵 gal or 🗌 lbs
Dithicpyre Hows	73220-3	92	🗌 gal or 📝 ibs
Lontrol	62719-305	.5	🖸 gal or 🗌 lbs
			🔲 gal or 🗌 lbs
g			🗌 gal or 🗌 Ibs
			🗌 gal or 🗌 lbs
			🗌 gal or 🗌 ibs

Check here if additional sheets are necessary. You may reproduce this sheet and attach the additional sheets to this sheet

"I have personally examined and am familiar with the information submitted in this document and all attachments therete, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the General Statutes, pursuant to Section 53a-157b of the General Statutes, and in accordance with any other applicable statute."

13/2017 2 Signature of Certified Supervisor Date

Mail completed Commercial Applicator Pesticide Use Summary Report to:

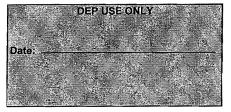
PESTICIDE MANAGEMENT PROGRAM BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE DEPARTMENT OF ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127



Commercial Applicator Pesticide Use Summary Report

Print *in ink* or type unless otherwise noted. Retain a copy for your records.

This form must be submitted on or before January 31st for pesticide applications made during the preceding calendar year.



Part I: Pesticide Certified Supervisor Information

10000	
1	I. Name and Address of Certified Supervisor:
I	Name: Michael J. Sullivan
-	Home Address: 15 UNITY Drive
	City/Town: Streetford State: CT Zip Code: 06614
	Phone: 203-375-9613 ext. Fax:
	Supervisory Certification No. 63-3408 Arborist Certification No.
	Please check here if your home address has changed since your last submittal.
2	Name and Address of Business Name: E. Gaynos Brennan Municipal G.C. Mailing Address: 451 Stillwater Rd City/Town: stanford State: CT zip Code: 06962 Business Phone: 977-5694ext. E-mail Address: Moullivan @ Ci, Stanford. Ct. US
	Contact Person: Michael Sullivan Title: Gulf Gurse Supt.
	Please check here if your business address has changed since your last submittal.

Part II: Reporting Period

 2. A Check this box if pesticide usage by the above named supervisor has been reported by another (Supervisor and provide that individual's name and certification number. Name: Supervisory Certification No. 3. Check this box if <i>no pesticides were applied</i> during the above reporting period. If so, you must a supervisor and period. 	1.	Thi	s report covers the period from January 1, 2011	to December 31, 2011					
	2. 🖠	B							
3. Check this box if no pesticides were applied during the above reporting period. If so, you must			Name:	Supervisory Certification No.					
complete and submit the remaining parts of this form, with the exception of Part IV.	3. [

Page 1

Name of Certified Su	pervisor:	Micho
Certification No.:	63-	3408
Part III. Contified An	nlicator's In	formation

Michael Sullivan

Reporting Year: 2011

Part III: Certified Applicator's Information

Name of Certified Applicator	Certification No.
Michael Sullivan Charles Pollard	G5-3408
Charles Pollard	G5-3408 G5-4871

Part IV: Commercial Pesticide Usage

Pesticide Product Name	EPA Product Registration No.	Befor	of Pesticide Used e Diluting gals or Ibs)
Acclaim X-tra	432-950	1.04	💢 gal or 🗌 Ibs
Chipco GT	432-888	10	🗙 gal or 🗌 Ibs
Daconil Ultrex	50534-202-100	220 lbs	, 🗌 gal or 🔀 Ibs
Dimension 2EW	62719-542	<i>。</i> 94	🕅 gal or 🗌 Ibs
DISMISS	279-3295	025	🔀 gal or 🗌 ibs
Drive 75 DF	2969-130	6	🗌 gal or 🔀 lbs
Emerald	7969-196	5.88	🗌 gal or 🔀 Ibs
Headway	100-1216	18.35	🕅 gal or 🗌 Ibs
Medallion	100-769	13.13	🗌 gal or 🔀 lbs
Primo	100-937	•78	🕅 gal or 🗌 Ibs
proplant	55260-9	2	📓 gal or 🗌 Ibs
Signature	432-890	66	🗌 gal or 🔀 lbs
Similar	100-1078	.25	🔀 gal or 🗌 lbs

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Page 2

Name of Certified Supervisor: Michael Sullivan Certification No.: G5-3408 Rep Part III: Certified Applicator's Information

Reporting Year:

2011

Name of Certified Applicator	Certification No.
Michael Sullivan Charles Pollard	65-3408
Charles Pollard	65-3408 65-4871
· · · · · · · · · · · · · · · · · · ·	

Part IV: Commercial Pesticide Usage

Pesticide Product Name	EPA Product Registration No.	Befor	of Pesticide Used e Diluting gals or Ibs)
Acelyprn	352-731	1.03	🗙 gal or 🗌 Ibs
Tourney	59639-144	9	🗌 gal or 🔀 Ibs
Acelyprn Tourney Curalan EG	7969 - 224	16.5	🗌 gal or 🗶 İbs
chlorothalowil DF	66222-149-73220	20	🗌 gal or 🗶 Ibs
•			🗌 gal or 🗌 lbs
			🗌 gal or 🗌 lbs
			🗌 gal or 🗌 lbs
			🗌 gal or 🗌 lbs
			gal or lbs
			☐ gal or ☐ lbs
			🔲 gal or 🗌 lbs
	• • • • • • • • • • • • • • • • • • •		🗌 gal or 🗌 lbs
			🗌 gal or 🗌 lbs

Check here if additional sheets are necessary. You may reproduce this sheet and attach the additional sheets to this sheet

Part V: Certification of Accuracy

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the General Statutes, pursuant to Section 53a-157b of the General Statutes, and in accordance with any other applicable statute."

Signature of Certified Supervisor

28/12 Date

Mail completed Commercial Applicator Pesticide Use Summary Report to:

PESTICIDE MANAGEMENT PROGRAM BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE DEPARTMENT OF ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127 Sterling Farms Golf Course 1347 Newfield Ave Stamford, CT 06905

Total acres of golf course property is 132 acres of which 58.5 is fertilized.

Pesticides are handled, stored, disposed of and applied by licensed pesticide applicators by the DEP. See "Summary Reports for licenses" in accordance to the state and federal laws.

Licensed personnel maintain current licenses by attending training sessions (CEU's).

Mixing, handling, application dosage and timing involved in pesticide use and methods of application is all performed by licensed pesticide applicators who are trained by the DEP.

Integrated Pest Management, (IPM) is implemented to manage pest damage at Sterling Farms Golf Course. IPM incorporates proper identification and monitoring of potential pests, setting thresholds for acceptable pest damage and using cultural practices and resistant varieties of grasses. Pesticides are applied when all other acceptable preventive methods are no longer effective or available. Pesticides when used are chosen to target the specific pest and be the least detrimental to beneficial organisms, people, animals, water and the overall environment.

Sterling Farms Golf Course is already in the process of reducing total nitrogen and phosphorus use and will continue to implement practices that achieve 10% reduction by the expiration date of this permit.

Total nitrogen/1000ft2/year applied to 58.5 acres:

Year 2014: (10.5 – 11lbs)N/1000ft2/YR Year 2013: (10.5 – 11lbs)N/1000ft2/YR Year 2012: (11 – 12lbs)N/1000ft2/YR Year 2011: (11 – 12lbs)N/1000ft2/YR Year 2010: (11 – 12lbs)N/1000ft2/YR

Program breakdowns:

Greens: 5 acres receive (3.5 – 4lbs)N/1000ft2/YR Granular fertilizers = approx. (2 – 2.5lbs)N/1000ft2/YR: (17-0-19) (10-20-20) (Milorganite) Liquids = approx. (1-1.5lbs)N/1000ft2/YR: (N30 Plus 30-0-0) (12-0-0+6Fe) (4-14-2)

Tees: 3.5 acres receive (3 - 3.5lbs)N/1000ft2/YR Granular fertilizers = approx. 3lbs/1000ft2/YR: (26-0-10 -70% slow release Polyon N) Liquids = approx. 1/2lbs/1000ft2/YR: (N30 Plus 30-0-0)

Fairways: 25 acres receive (2lbsN/1000ft2/YR) Granular fertilizers = approx. 1.75lbs/1000ft2/YR: (26-0-10-70% slow release Polyon N) Liquids = approx. 1/4lb/1000ft2/YR: (N30 Plus 30-0-0)

Roughs: 25 acres receive 1.75lbs/1000ft2/YR Granular fertilizer: (26-0-10-70% slow release Polyon N) E. Gaynor Brennan Municipal Golf Course 451 Stillwater Road Stamford , CT 06902

Total acres of the Golf Course Property is approximately 85. Of this Acreage, Only Greens(3 acres), Tees(2 Acres) and Fairways(20 Acres) are fertilized. For a total treated area of 25 acres. Areas of rough is approximately 10 acres treated.

All Pesticides are handled, stored, disposed of and applied by Licensed / Certified Applicators according to DEEP standards and requirements. Licensed personnel are required to updated their Pesticide License every five years as well as to take yearly CEU's and training sessions. This training must be reported to the DEEP as well.

All pesticides are mixed and applied by these licensed applicators Only, in a manner consistent with the rules and regulations of the Connecticut DEEP.

Integrated Pest management is continually incorporated at Brennan Municipal Golf Course. Both for Environmental, as well as financial reasons. Daily course tours by the Course Superintendent or his Assistant with monitor turfgrass pests for the purpose of determining Threshold levels of these pests. Brennan Municipal Golf Course continues to monitor use of all fertilizer and only uses it when necessary. Frequent use of organic products and methods are used in an effort to support microbial activity of the soil to assist in a future reduction of Fertilizer usage.

Total Nitrogen /1000sqft/year applied to 35 acres Year 2014: 10.0 lbs N/1000sqft/year Year 2013: 10.5 lbsN/1000sqft/year Year 2012: 10.5 lbs N/1000sqft Year 2011: 11 lbs N/1000sqft Year 2010: 12 lbs N/1000sqft

Program breakdowns:

Greens : 3 Acres ; 2.5 lbs N/1000sqft/year Granular Fertilizers: 2.0 lbs N/ 1000sqft/Year (14-0-26, 18-2-18, 22-3-11) Liquid fertilizers : 1.0 lbs N/ 1000sqft/year (30-0-0, 18-3-6, 12-0-0, Fe, 4-5-4 Fe, 0-0-30)

Tees: 2 acres ; 3.0 lbs N/1000sqft/year (26-0-10, 18-2-18)

Fairways: 20 Acres; 2.5 lbs N/1000sqft/year Granular Fertilizer: 2.0 lbs N/1000sqft/year (26-0-10) Liquid Fertilizer : .5 lbs N/1000sqft/year (30-0-0, 0-0-30)

Rough: Approx. 10 acres; 2.0 lbs N/1000sqft/year (26-0-10)

2013 Nitrogen Application from Fertilizer

Location	Fertilizer Type	lbs N (avg) / 1,000 SF	acres	lbs N
Greens	Granular	2.25	5	490.1
	Liquid	1.25	5	272.3
Tees	Granular	3	3.5	457.4
	Liquid	0.5	3.5	76.2
Fairways	Granular	1.75	25	1,905.8
	Liquid	0.25	25	272.3
Rough	Granular	1.75	25	1,905.8
Total			58.5	5,379.7

Sterling Farms Golf Course

E. Gaynor Brennan Municipal Golf Course

	Fertilizer	lbs N /		
Location	Type	1,000 SF	acres	lbs N
Greens	Granular	2	3	261.4
	Liquid	1	3	130.7
Tees	1	3	2	261.4
Fairways	Granular	2	20	1,742.4
	Liquid	0.5	20	435.6
Rough	1	2	10	871.2
Total			35	3,702.6

TOTAL	9,082.3

Athletic Field Fertilizer use only, we do not use any Fertilizers on park Green space

1st application April 2nd Dimension application 18-0-40- 60 bags total used, each bag is 50lbs

2nd application May 2nd Propendi- 60 bags total used, each bag is 50lbs

3rd application Sept Fertilizer- 60 Bags total used, each bag 40lbs

Little League/Softball/Baseball

Troy #1 Field and Troy # Field 2- Cove Federal #1 Field and Federal #2 Field Kane Ave Field Vine Road Field Scalzi Little League Field/Scazli #1, #2 and #3 Cubeta Stadium Springdale Little League Field Kosciusesko LL and Softball Field Cummings #1 Field #2 Field #4 field and #5 Chestnut Field Dorthey Heroy Field Northrop (Stark school) Field

APPENDIX E

CATCH BASIN / MANHOLE REPAIR LISTING

Priority Legend: #1 - ASAP, #2 - 6 months, #3 - 1 year

Not Assigned

Assigned

CRS#	Date	#	Street	Complaints	Priority #	Date	Contractor	Not Assigned	FY14/15	COMMENTS2
	6/26/2014	75	Alton Road	Drainage Pipes						
	9/4/2014		Alton Rd/Norman Rd	Sinkhole along catch basin	2		w paving program	hold		
152484	7/3/2013	14	Ann St	Sinkhole along catch basin	-		w paving program	private drive		
448529 112013	11/20/2013	21	Arden Lane	Mh broken(leaf pick up)	1			MH is sanitary (portanova)		
449380	1/6/2014	70	Ashton Rd	cb at driveway with hole/sinking	2			to Reliable		
	5/16/2014	28	Ayers Rd.	MH Repair		WPCA	6/4/2014			
w450566	5/9/1958	28	Ayres Drive	MH cover Missing(cone on mh)		WPCA	not assgd			
W453471	5/14/2014	28	Ayres Drive	MH ineffective						
150720	4/26/2013	103	Barncrof Road	MH needs to be built up (Low & makes too much noise)				x		
		103								
448521 111913	11/20/2013		Bedford Street/Avon Theatre	mh sinking(carolluzzi)	1	hold	WPCA	MH is sanitary (portanova)		
150936	5/3/2013	300	Bedford Street	Open MH near Avon theater			Hold?hgwy?	MH is sanitary (portanova)		
W453179	5/6/2014	15	Berges Ave.	Large potholes around storm drain at end of driveway	2					
	7/1/3014	14	Boxwood La	mh with barrell			hold	wpca?		WPCA to fix
455756	8/4/2014	3	Brantwood La	cb sinking			to reliable 8/4	DONE		
		33	bridge st	cb sunken(mayor office)			DONE	to reliable 7/23		
455905	8/14/2014	83	BrookRun lane	Collapsed CB			to Reliable 815	HOLD CURB TOP ONLY		
4543450-61514	6/15/2014	38	Brushwood Road	Collapsed CB		2-Jul	To Reliable			
W453010	4/30/2014	49	Buena Vista St.	Storm drain pushed away from curb				highway?8/20		
W453031	5/1/2014	20	Center St.	Large washout pothole next to storm drain	1	22-May	To Reliable	DONE		
W452983	4/30/2014	28	Central St.	Water running on properties (2 cbs adj't)		CB DONE	to reliable	Highway to fix apron at Summit PI		
151302	5/22/2013		Ceretta Street	Hole near manhole			Highway			
	5/1/2014	12	Chestnut Hill Rd.	Creek running full and sending water into catch basin uphill						
448368 110813		38 Cook Rd	Cook Rd	Cb (MH) collapsing			Private Rd	to WPCA		
454550	6/20/2014	11	Corn Cake Land	Manhole loose			TO RELIABLE	9/8/2014		
151244	5/20/2013	35	Court Street	Deep depressions collect water						
452112	4/1/2014		Cousins Rd and Larkspur	CB with cone since last fall	1			Aquarion water Co		
152061	6/19/2013	33	Dancy Dr	catch bains flooded/possible pipe rupture/easement			highway?	HOLD		
454849	7/2/2014	36	Dogwood Court	CB collapsing		3-Jul	To reliable			
W447431-092413	9/25/2013	71	71 Doolittle Road	Broken manhole cover at this address pieces are missing			DONE	27-Sep	1	
W453665	5/21/2014	1	Elmcroft Road	Strorm drain as sunk		6/3/2014	to reliable	DONE		
	8/26/2014		Elm St (under RR bridge)	Strorm drain as sunk			to rel 8/26			
		1	ETHAN LA	CB collapsing				DONE	2	
W453991	6/2/2014	85	Euclid Avenue	CB ready to fall			To Reliable	DONE		
150980	5/6/2013	602	Fairfield Avenue	Catch basins completed (other at Brunwood Ave underzize?			Hold?hgwy?			
454147	6/9/2014	30	Fawn Drive	CB collapsing		23-Jun	To reliable	not visible		
152660	7/10/2013	67	Fawnfield Rd	cb raised up/back side also?			Hold?hgwy?	by paving contractor		
	11/22/2013	104	Gaymoor Drive	MH busted(cornelio) emergency	1	to RA	11/25/2013	DONE		
		160	Gaymoor Drive	catch basin at his location is collapsing	-	7/05/004/		DONE		
			GLENDALE Rd @ Hope Street	catch basin at his location is collapsing		7/25/2014		DONE		
454430-061714	6/17/2014	30	Glen Terrace	Washout next to storm drain			To reliable	not visible		
152550	7/8/2013	108	Gray Farm Rd	CB collapsed/top unbolted- sink hole in roadway	1	1	10101010	HOLD		
	11/27/2013		Hamilton Ave/JUDY St	CB collapsing				DONE		
151754	6/9/2013	228	Hamilton Ave/Field St	CB not draining (issue with pipe ?)	1		HOLD	x		
454449-061814	7/2/2014	24	Hinckley Ave.	CB with orange cone- needs repair			To Reliable	NOT CRITICAL		
455297	7/17/2014		hope st(bob's furniture)	mh sunken				to HIGHWAY 7/23		
	7/24/2014		HOPE ST/LARGO DR	MH sinking(D Hoyt)			To Reliable	DONE 7/25	1	
143413	8/27/2013	725	Hope Street	CB caving in and ready to fall at location				not visible		
			Glendale Rd @ Hope Street	CB caving				DONE	1	
		839	Hope Street	To Anthony- CB collapsed						

CRS#	Date	#	Street	Complaints	Priority #	Date	Contractor	Not Assigned	FY14/15	COMMENTS2
	9/3/2014	71	Interlaken Rd	cb to be repaired	1	DONE				
450950/451629	3/11/2014	96	KatydLANE	CB sinking (1x1 hole)	1		Reliable	done	1	
	2/3/2014	43	Kensington Rd	MH needs repair (Cornelio)	1			WPCA		
	6/15/2013	6	Jeanne Court	CB caving in and ready to fall at location	1		To Reliable	DONE		
W453013	4/30/2014	6	Jeanne Court	Basin repair		1-May	To Reliable	DONE		
W453872	5/29/2014	71	Jeanne Court	Loose MH				DONE		
454248-061114	6/11/2014	25	Jefferson St.	Storm Drain Collapse		25-Jun	To Reliable	DONE		
456883	9/19/2014	50	50 Lanark Road	cb w huge hole			To Reliable 9/19			
		100	Magee Ave	Storm Drain Collapse		26-Jun	To reliable	DONE		
455104 456984	7/11/2014	42	Magee Ave 42 Malvern Rd.	cb sank 10 @ jefferson st	1		To reliable To reliable 9/25	DONE PUMPING STA		
151247	9/25/2014 5/20/2013	38	42 Malvern Kd. Maple Tree Avenue	cb to be repaired Large pothole		11-Jun	ToHighway			
131247	1/17/2014	17	marian St(Elisabeth ave)	cb at this intersection collapsing (Cornelio)	1	TT-Jun	TUHIghway	DONE		
			Meadow Street	Collapsed CB		11-Jun	To reliable	DONE		
456023	8/14/2014	15	Meadowpark south(nancy)	cb with holes(near this address)				DONE		
		19	Meredith La	cb damaged			to reliable 7/24			
	2/3/2014	232	232 minivale sewer manhole repair	MH repair (cornelio)	1		WPCA	not assigned yet		
W451768-031914	3/21/2014	41	Minivale RD	at # 41 cb crumbling	1		Reliable	DONE		
w450008 452294	2/3/2014 4/7/2014	40 49	Minivale RD Minivale RD	at # 41 cb crumbling storm drain collapsing	1		DONE to reliable8/20	to reliable DONE		
W446890-090413	9/18/2013	49	114 Morgan Street	loose manhole	3		not visible	to highway 9/27		
447143 091313	9/13/2013		114 Morgan Street	loose manhole	3		not visible	highway ?		
			99/104 MULBERRY ST	2 CBS DMAGED				DONÉ		
		44	MOHAWK	CB DAMAGED				DONE 7/25		
		27	MOHAWK	CB DAMAGED (reliable picture)	2					
151064	5/9/2013	148	Myrtle Avenue	Manhold sunken very deep	_		Hold?hgwy?			
152817	7/16/2013 7/1/2014		North Street North St/ Summer Street	Sunken manhole cover CB sunken			BrooksFiber	DONE 7/25		
151291	5/21/2013		North Street/Atlantic St	Sunken manhole cover			BrooksFiber	DONE 1/23		
448574 112213	11/22/2013		Northill/Palmer St	cb debris left in place	3	to highway	to remove debris		1	
449289	1/2/2014	47	Oaklawn Ave	cb with sink hole(hole is in grass/behind cb)	2	is inginiaj		WPCA 6/12		
453694		359	Oaklawn Ave			4-Jun	to reliable	Done WPCA		
W453736	5/23/2014	118	Old Barn Road North	No rim on MH			WPCA	done		
	7/18/2014	99	OLD NORTH STAMFORD RD	2 MH"S sinking	_			to Highway to add asphalt		
149843	3/23/2013	25 112	OLD NORTH STAMFORD RD Orchard Street	CB SINKING			DONE9/9 to reliable	not visible		
149643	3/23/2013	112	Pepperidge rd/Turner Rd	Storm Basin sinking below street level cb with hole	2		not assgd	not visible grating needed		
	8/19/2014		Pine Hill/Hope St	cb with hole(Hoyt Doug)	2		DONE	to reliable 8/19/14		
W453223	5/6/2014	63	Rachelle Ave.	Strom drain colapsing	2		Willie?	not assigned		
W452662	4/21/2014	96	Ridgecrest Rd.	Huge hole with an orange cone in it for 4-6 weeks		19-May	To Reliable			
153220	7/30/2013	64	Rippowam Rd	MH cover loose			Highway?	DONE 7/25		
455848	8/6/2014	36	RiverRidge Ct	cb in despair	-		to reliabl 8/15			
	12/16/2013	0.0	64 robinson	Hello Frank.64 robinson needs new ring.	2	44 100	Te relieble	WPCA DONE		
W453099	5/2/2014	88 336	Rockridge Rd Rock Rimmon Rd.	Collapsed CB Road hazard		11-Jun	To reliable	DONE		
W453099 W447664	10/4/2013	0	Rock Spring Rd.	MH cover sunk into road	1	?				
447664-100413	10/16/2013	<u> </u>	RockSpring/Hope St	MH coversinking	3		not critical	HIGHWAY?		
152461	7/3/2013		RockSpring Rd/Puritan La	CB sinking		DONE		not visible		
454402	6/17/2014	98	Rolling Wood Drive	CB Collapse			To Reliable 6/18			
		176	roxbury rd	cb sinking(by field)			To Reliable 8/4	DONE		
w448884-090413	21014	40	Russett Rd	Cb at Russett and Mac Intosh Rd (hole on side)	1	assgd	algotriant 2	W/ Paving Praksah alerted	1	
w450805	21914	46 148	Saddle rock rd Scofieldtown Rd	MH broken catch basin at his location is collapsing	3		electrical ? to reliable 7/4	DONE		
150628	4/23/2013	244	Shelter Rock Road	When rains water goes under driveway if not collected	1		to reliable 1/4	X		
W451498	3/14/2014		Shippan Elm and Cove	MH on southernly side is sunken				electrical MH		
1490	3/21/2014		Skyline La/Northwind Rd	hole at cb	1		To Reliable 6/10	DONE	1	
w451397		90	90 Snow Crystal Lane	catch basin at his location is collapsing		9/27/2013	TO HIGHWAY	grating needed	DONE	
w451397 W447416-092413	9/24/2013		Snow Crystal Ln.	Large sinkhole adjacent to CB	_			DONE	1	
w451397 W447416-092413 454346-061614	9/24/2013 6/17/2014	24						Reliable 7/9/14	WPCA DONE	
w451397 W447416-092413 454346-061614 455014	6/17/2014	24	South State/Canal St	MH with plate(cornelio)	4		To Doliable	10 0	cornelie te melve e-t-	
w451397 W447416-092413 454346-061614	6/17/2014 9/17/2014	24 800	South State/Canal St Stillwater Rd	MH with plate(cornelio) CB at school driveway (K lassogna)	1	verify if dono	To Reliable	18-Sep	cornelio to make safe	
w451397 W447416-092413 454346-061614 455014 456864	6/17/2014 9/17/2014 7/8/2013	24 800 5	South State/Canal St Stillwater Rd Strawberry Hill Rd	MH with plate(cornelio) CB at school driveway (K lassogna) cb needs repair (by Cornelio)	1	verify if done		х	cornelio to make safe	
w451397 W447416-092413 454346-061614 455014	6/17/2014 9/17/2014	24 800	South State/Canal St Stillwater Rd	MH with plate(cornelio) CB at school driveway (K lassogna)			DONE		cornelio to make safe	
w451397 W447416-092413 454346-061614 455014 456864 w451566	6/17/2014 9/17/2014 7/8/2013 13/15/2014	24 800 5	South State/Canal St Stillwater Rd Strawberry Hill Rd SUMMER ST	MH with plate(cornelio) CB at school driveway (K lassogna) cb needs repair (by Cornelio) CORNELIO: CB REPAIR		verify if done not visible		х	cornelio to make safe	
w451397 W447416-092413 454346-061614 455014 456864 w451566 447733 100813 151223 455305	6/17/2014 9/17/2014 7/8/2013 13/15/2014 10/16/2013 5/17/2013 7/17/2014	24 800 5 441	South State/Canal St Stillwater Rd Strawberry Hill Rd SUMMER ST Summer St/Planet Pizza Sunnyside Avenue sweet briar rd	MH with plate(cornelio) CB at school driveway (K lassogna) cb needs repair (by Cornelio) CORNELIO: CB REPAIR Mh sunken Loose Catch Basin cb sank 8 in	1		DONE Highway? to reliable to REL	x not assigned yet not visible	cornelio to make safe	
w451397 W447416-092413 454346-061614 4555014 456864 w451566 447733 100813 151223	6/17/2014 9/17/2014 7/8/2013 13/15/2014 10/16/2013 5/17/2013	24 800 5 441 50	South State/Canal St Stillwater Rd Strawberry Hill Rd SUMMER ST Summer St/Planet Pizza Sunnyside Avenue	MH with plate(cornelio) CB at school driveway (K lassogna) cb needs repair (by Cornelio) CORNELIO: CB REPAIR Mh sunken Loose Catch Basin	1		DONE Highway? to reliable	x not assigned yet	cornelio to make safe	

CRS#	Date	#	Street	Complaints	Priority #	Date	Contractor	Not Assigned	FY14/15	COMMENTS2
	7/3/2014		Treat Ave	Change grates			TO HIGHWAY			
		191	Van Rensellaer	hole near CB				DONE		
W452816	4/24/2014	21	Verplank Ave./Stamford Ave.	CB needs repair for basin		29-May	To Reliable	DONE		
			Vine Rd(High Ridge)	Cb at corner (By Cornelio)	1			hold state dot?	DONE DOT	
w451129	3/9/1962		Henry St/Washington Blvd	mh broken cover (police dispathc)			patched by highway	to reliable/NOT VISIBLE		
W452655	4/21/2014	888	Washington Blvd.	MH cracked ring keeps popping off				patched by highway		
W309510-080513	8/5/2013	13	13 Webb Avenue	CRACKED FRAME, mh shakes and noisy	2	by Cornelio				
454299-0612174	7/2/2014	101	Webb Ave	Hole next to CB			To Reliable			
W453179	5/6/2014	326	Webbs Hill Rd.	Large potholes around storm drain at end of driveway			To Anthony			
452655	4/21/2014	128	Weed Hill Ave	MHw cracked ring	3			not critical		
152631	7/10/2013	420	West Ave	CB grating fellin				DONE HGWY		
W452076	3/31/2014	67	West Bank Ln.	Hole near storm drain sinking a lot			Highway TO FIX			
151299	5/22/2013		West Broad	Manhole cover is falling in the hole				highway repair		
	11/19/2013	18	West Havilland	MH broken by Highway(leaf pick up)(cornelio)	1	done RA	11/21/2013	highway to repair		
	8/8/2014		West Hill Rd.	Large puddle when it rains. Road/curb destroyed				highway to repair		
W452637	4/18/2014	220	West Hill Rd.	Large puddle when it rains. Road/curb destroyed						
W446777-082913	8/29/2013		West Hill Road/windover	flooding has destroyed the curb			to investigate flooding			
			269 West Lane	cb with hole(cone needed)				to Rel 8/28		
		164	Westwood Rd	cb with sink hole			TO RELIABLE 9/9			
	1/15/2014	90	Westwood Rd	MH ring broken (Cornelio)	3		WPCA	not critical yet		
454146	6/9/2014		White Birch Road	CB collapsing		6/18/2014	To reliable	DONE		
455260	7/16/2014	34	Willowbrook Place	cb with sink hole			to reliable	DONE		
W452467	4/14/2014	235	Willbrook Ave.	Clean catch basin in back yard of this address						
W453170-050514	5/5/2014	6	6 Winding Brook Lane	pothole near the grate of a storm drain.	1		not assigned	9/8/2014		
	_									
			WEST LA	cb with sink hole			To reliable	DONE		
					2					
W453395	5/12/2014	99	Woods End Road	Needs new MH frame			To Reliable	WPCA STRUCTURE		

APPENDIX F

STREET SWEEPING REPORTS: 2013 AND THROUGH JUNE 2014

The City of Stamford



Mileage for Sweeping Program January 2013 - June 30, 2014

JANUARY 2013

Sweeper #152				
Date	Beginning	Ending	Total	
			0	
	Total Mileage		0	
Sweeper #153				
Date	Beginning	Ending	Total	
1/9/2013	8492	8526	34	
1/10/2013	8526	8541	15	
1/11/2013	8541	8570	29	
1/30/2013	8575	8660	85	
1/31/2013	8660	8689	29	
	Total Mileage		192	
			MONTHLY TOTAL	192

FEBRUARY 2013

Sweeper #152				
Date	Beginning	Ending	Total	
			0	
	Total Mileage		0	
Sweeper #153				
Date	Beginning	Ending	Total	
2/26/2013	8689	8697	8	
2/28/2013	8697	8704	7	
	Total Mileage		15	
			MONTHLY TOTAL	15

MARCH 2013

Sweeper #152				
Date	Beginning	Ending	Total	
			0	
	Total Mileage		0	
Sweeper #153				
Date	Beginning	Ending	Total	
3/1/2013	8704	8716	12	
3/11/2013	8716	8788	72	
3/12/2013	8788	8818	30	
3/13/2013	8818	8843	25	
3/14/2013	8843	8864	21	
3/15/2013	8864	8897	33	
3/20/2013	8897	8939	42	
3/21/2013	8939	8966	27	
3/22/2013	8966	9006	40	
3/26/2013	9006	9038	32	
3/27/2013	9038	9068	30	
3/28/2013	9068	9085	17	
	Total Mileage		381	
			MONTHLY TOTAL	381

		/		
Sweeper #152				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
4/3/2013	3268	3278	10	
4/4/2013	3278	3298	20	
4/8/2013	3298	3314	16	
4/10/2013	3314	3334	20	
4/11/2013	3334	3359	25	
4/12/2013	3359	3374	15	
3/16/2013	3374	3396	22	
4/18/2013	3396	3413	17	
4/22/2013	3413	3440	27	
4/23/2013	3440	3477	37	
4/24/2013	3477	3491	14	
4/29/2013	3491	3520	29	
4/30/2013	3520	3560	40	
	Total Mileage		292	
Sweeper #153				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
4/2/2013	9085	9111	26	
	Total Mileage		26	
			MONTHLY TOTAL	318

APRIL 2013

MAY 2013

Sweeper #152			
Date	Beginning Mileage	Ending Mileage	Total Mileage
5/1/2013	3560	3581	21
5/2/2013	3581	3599	18
5/3/2013	3599	3619	20
5/6/2013	3619	3652	33
5/24/2013	3652	3662	10
5/30/2013	3662	3676	14
5/31/2013	3676	3695	19
	Total Mileage		135

Sweeper #153

Date	Beginning Mileage	Ending Mileage	Total Mileage	
5/2/2013	9111	9132	21	
5/6/2013	9132	9169	37	
5/7/2013	9169	9194	25	
5/9/2013	9194	9222	28	
5/10/2013	9222	9267	45	
5/20/2013	9267	9328	61	
5/21/2013	9328	9364	36	
5/22/2013	9364	9383	19	
5/23/2013	9383	9421	38	
5/24/2013	9421	9454	33	
5/29/2013	9454	9489	35	
5/30/2013	9489	9525	36	
5/31/2013	9525	9553	28	
	Total Mileage		442	
			MONTHLY TOTAL	577

JUNE 2013

Sweeper # 152				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
6/4/2013	3695	3710	15	
6/5/2013	3710	3730	20	
6/6/2013	3730	3749	19	
6/7/2013	3749	3758	9	
6/12/2013	3758	3781	23	
6/13/2013	3781	3795	14	
6/18/2013	3795	3820	25	
6/19/2013	3820	3855	35	
6/21/2013	3855	3876	21	
6/24/2013	3876	3890	14	
6/25/2013	3890	3907	17	
6/26/2013	3907	3935	28	
6/27/2013	3935	3953	18	
6/28/2013	3953	3975	22	
	Total Mileage		280	
Sweeper #153				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
6/3/2013	9553	9585	32	
6/4/2013	9585	9606	21	
6/5/2013	9606	9632	26	
6/6/2013	9632	9653	21	
6/7/2013	9653	9670	17	
6/10/2013	9670	9697	27	
6/11/2013	9697	9730	33	
	Total Mileage		177	
			MONTHLY TOTAL	1034

JULY 2013

		•	5621 2010
Sweeper #152			
Date	Beginning Mileage	Ending Mileage	Total Mileage
7/2/2013	3975	3988	13
7/19/2013	3988	4047	59
7/22/2013	4047	4069	22
7/23/2013	4069	4095	26
7/24/2013	4095	4133	38
7/29/2013	4133	4157	24
7/30/2013	4157	4182	25
7/31/2013	4182	4207	25
	Total Mileage		232
Sweeper #153			
Date	Beginning Mileage	Ending Mileage	Total Mileage
7/1/2013	9730	9807	77
7/2/2013	9807	9833	26
7/3/2013	9833	9872	39
7/5/2013	9872	9895	23
7/8/2013	9895	9927	32
7/9/2013	9927	9962	35
7/10/2013	9962	10000	38
7/11/2013	10000	10027	27
7/12/2013	10027	10051	24
7/15/2013	10051	10083	32
7/16/2013	10083	10119	36
7/17/2013	10119	10152	33
7/18/2013	10152	10184	32
7/19/2013	10184	10217	33
7/26/2013	10223	10252	29
	Total Mileage		516

MONTHLY TOTAL

748

AUGUST 2013

Paginning Milaago	Ending Mileago	Total Miloago	
	• •	-	
	4277		
Total Mileage		70	
Beginning Mileage	Ending Mileage	Total Mileage	
10269	10305	36	
10305	10329	24	
10329	10382	53	
10382	10426	44	
10426	10471	45	
10471	10508	37	
10508	10544	36	
10544	10577	33	
	10000		
		MONTHLY TOTAL	436
	10269 10305 10329 10382 10426 10471	4207 4227 4227 4252 4252 4277 Total Mileage Ending Mileage 10269 10305 10305 10329 10329 10382 10382 10426 10471 10508 10508 10544 10544 10577 10578 10615 10615 10636	4207 4227 20 4227 4252 25 4252 4277 25 Total Mileage Total Mileage 70 Beginning Mileage Ending Mileage Total Mileage 10269 10305 36 10305 10329 24 10329 10382 53 10382 10426 44 10426 10471 45 10471 10508 37 10508 10544 36 10578 10615 37 10615 10636 21 Total Mileage 366

SEPTEMBER 2013

Sweeper #152				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
9/12/2013	4277	4285	8	
9/13/2013	4285	4297	12	
9/16/2013	4297	4324	27	
9/17/2013	4324	4351	27	
9/19/2013	4351	4367	16	
9/20/2013	4367	4395	28	
9/23/2013	4395	4414	19	
9/24/2013	4414	4446	32	
9/30/2013	4446	4475	29	
	Total Mileage		198	
Sweeper #153				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
9/3/2013	10636	10665	29	
9/4/2013	10665	10693	28	
9/5/2013	10693	10723	30	
9/6/2013	10723	10746	23	
9/9/2013	10746	10776	30	
9/10/2013	10776	10806	30	
9/11/2013	10806	10834	28	
9/12/2013	10834	10869	35	
9/16/2013	10869	10903	34	
9/17/2013	10903	10939	36	
9/18/2013	10939	10983	44	
9/19/2013	10983	11018	35	
9/20/2013	11018	11032	14	
9/23/2013	11038	11073	35	
9/25/2013	11073	11128	55	
9/26/2013	11128	11153	25	
9/27/2013	11153	11173	20	
	Total Mileage		531	
			MONTHLY TOTAL	729

OCTOBER 2013

Sweeper #152			
Date	Beginning Mileage	Ending Mileage	Total Mileage
10/7/2013	4475	4491	16
10/8/2013	4491	4503	12
10/15/2013	4503	4520	17
10/16/2013	4520	4557	37
	Total Mileage		82

Sweeper #153

Date	Beginning Mileage	Ending Mileage	Total Mileage	
10/1/2013	11173	11205	32	
10/2/2013	11205	11237	32	
10/3/2013	11237	11271	34	
10/7/2013	11271	11304	33	
10/8/2013	11304	11341	37	
10/9/2013	11341	11368	27	
10/10/2013	11368	11395	27	
10/11/2013	11395	11412	17	
10/16/2013	11412	11457	45	
10/17/2013	11457	11486	29	
10/21/2013	11486	11539	53	
10/22/2013	11539	11570	31	
10/31/2013	11570	11603	33	
	Total Mileage		430	
			MONTHLY TOTAL	512

NOVEMBER 2013

Sweeper #152				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
11/12/2013	4557	4610	53	
11/13/2013	4610	4649	39	
11/14/2013	4649	4690	41	
11/15/2013	4690	4751	61	
11/18/2013	4751	4794	43	
11/19/2013	4794	4842	48	
11/20/2013	4842	4873	31	
11/21/2013	4873	4899	26	
11/22/2013	4899	5002	103	
11/25/2013	5002	5020	18	
11/26/2013	5020	5053	33	
	Total Mileage		496	
Sweeper #153				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
11/4/2013	11603	11604	1	
11/5/2013	11604	11626	22	
11/6/2013	11626	11652	26	
11/7/2013	11652	11672	20	
11/8/2013	11672	11685	13	
	Total Mileage		82	
			MONTHLY TOTAL	578

Sweeper #152				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
12/3/2013	5053	5110	57	
12/4/2013	5110	5142	32	
12/6/2013	5142	5195	53	
12/9/2013	5195	5222	27	
12/11/2013	5222	5256	34	
12/12/2013	5256	5290	34	
	Total Mileage		237	
Sweeper #153				
Date	Beginning Mileage	Ending Mileage	Total Mileage	
			0	
Total Mileage			0	
			MONTHLY TOTAL	237
2013 TOTAL MILEAGE				

JANUARY 2014

23

MARCH 2014

Sweeper #151EndingTotalDateBeginningEndingTotal3/3/20141288912907183/18/20141291412940263/19/20141294012972323/20/2014129721300230	
3/3/20141288912907183/18/20141291412940263/19/2014129401297232	
3/18/20141291412940263/19/2014129401297232	
3/19/2014 12940 12972 32	
3/20/2014 12972 13002 30	
3/21/2014 13002 13024 22	
3/24/2014 13024 13051 27	
3/27/2014 13051 13092 41	
3/28/2014 13092 13117 25	
Total Mileage 221	
Sweeper #153	
Date Beginning Ending Total	
3/10/2014 11536 11565 29	
3/11/2014 11565 11582 17	
3/12/2014 11582 11593 11	
3/18/2014 11593 11613 20	
3/19/2014 11613 11631 18	
3/20/2014 11631 11650 19	
3/24/2014 11650 11668 18	
3/27/2014 11668 11682 14	
3/28/2014 11682 11709 27	
Total Mileage 173	
MONTHLY TOTAL	394

APRIL 2014

Sweeper #151				
Date	Beginning	Ending	Total	
4/24/2014	13117	13216	99	
4/25/2014	13216	13237	21	
4/28/2014	13237	13277	40	
4/29/2014	13277	13321	44	
	Total Mileage		204	
Sweeper #153				
Date	Beginning	Ending	Total	
4/8/2014	11709	11732	23	
4/9/2014	11732	11764	32	
	Total Mileage		55	
			MONTHLY TOTAL	259

Sweeper #151

MAY 2014

Sweeper #151				
Date	Beginning	Ending	Total	
5/5/2014	13388	13428	40	
5/6/2014	13428	13458	30	
5/7/2014	13458	13480	22	
5/8/2014	13480	13512	32	
5/9/2014	13512	13535	23	
5/12/2014	13535	13554	19	
5/13/2014	13554	13585	31	
5/14/2014	13585	13615	30	
5/15/2014	13615	13644	29	
5/16/2014	13644	13669	25	
5/19/2014	13669	13691	22	
5/20/2014	13691	13723	32	
5/21/2014	13723	13766	43	
5/22/2014	13766	13800	34	
5/23/2014	13800	13816	16	
5/27/2014	13816	13846	30	
5/30/2014	13846	13881	35	
	Total Mileage		493	
Sweeper #153				
Date	Beginning	Ending	Total	
5/19/2014	11764	11810	46	
5/20/2014	11810	11825	15	
5/21/2014	11825	11851	26	
5/22/2014	11851	11874	23	
5/27/2014	11885	11921	36	
5/28/2014	11921	11942	21	
5/29/2014	11942	11967	25	
	Total Mileage		192	
			MONTHLY TOTAL	685

JUNE 2014

	-		
14084	14124		
14124	14165		
14165	14204	39	
14204	14222	18	
Total Mileage		339	
Beginning	Ending	Total	
11967	11990	23	
11990	12031	41	
12031	12101	70	
12101	12136	35	
12136	12170	34	
12170	12191	21	
12191	12213	22	
12213	12242	29	
12242	12262	20	
12262	12318	56	
12318			
		MONTHLY TOTAL	711
	2014 TOTAL MILEAGE		1,813.00
	14165 14204 Total Mileage Beginning 11967 11990 12031 12101 12136 12170 12191 12213 12242	13881 13910 13912 13942 13942 13973 13973 14000 14000 14030 14000 14030 14030 14053 14053 14084 14053 14084 14053 14084 14124 14124 14165 14204 14204 14222 Total Mileage Total Mileage Beginning Ending 11967 11990 12031 12031 12031 12101 12136 12170 12170 12191 12170 12191 12131 12242 12242 12262 12242 12262 12262 12318 12318 12328 12328 12339	13881 13910 29 13912 13942 30 13942 13973 31 13973 14000 27 14000 14030 30 14030 14053 23 14053 14084 31 14084 14124 40 14124 14165 41 14155 14204 39 14204 14222 18 Total Mileage 339 Votal 11967 11990 12031 12101 70 12101 12136 35 12136 12170 34 12170 12191 21 12131 12213 22 12213 12242 29 12242 1262 20 12262 12318 56 12318 12328 10 12328 12339 11 Total Mileage 372

TOTAL MILES SWEPT JANUARY 1, 2013 - JUNE 30, 2014

7,570.00

The City of Stamford



Sweeping Program January 2013 - June 30, 2014

JANUAURY	2013
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Date	Zone	Weight
1/9/2013	14 - 15	7.74
1/10/2013	DSSD	13.82
1/11/2013	DSSD	6.4
1/14/2013	12 - 13	10.74
1/15/2013	12 - 13	15.2
1/30/2013	16 - 23	23.4
Total		77.3

FEBRUARY 2013

Date	Zone	Weight
2/1/2013	DSSD	3.47
2/26/2013	DSSD	8.02
2/28/2013	21	17.42
Total		28.91

Date	Zone	Weight
3/1/2013	DSSD	6.84
3/4/2013	16 - 13	13.3
3/5/2013	22	6.89
3/6/2013	22	9.58
3/11/2013	11	16.21
3/12/2013	11	10.26
3/13/2013	Town Yard	21.87
3/14/2013	DSSD	13.26
3/15/2013	DSSD	10.84
3/18/2013	DSSD	2.5
3/20/2013	21	14.33
3/21/2013	11 - Town Yard	9.28
3/22/2013	DSSD	2.25
3/26/2013	23	17.75
3/27/2013	9A - 9B - TY	15.56
3/28/2013	DSSD	1.75
Total		172.47

MARCH 2013

		AFRIE 2013
Date	Zone	Weight
4/1/2013	24	11.9
4/2/2013	22	4.71
4/3/2013	22	7
4/4/2013	14 - 13	9.14
4/8/2013	22	9.36
4/9/2013	22	5.43
4/10/2013	12 - 13	14.41
4/11/2013	12	10.95
4/12/2013		5.28
4/15/2013	7	7.99
4/16/2013	1	20.57
4/17/2013	25	11.22
4/18/2013	DSSD	12.52
4/22/2013	1	30.56
4/23/2013	2	27.03
4/24/2013		33.75
4/25/2013	14A - 13A	20.74
4/26/2013	DSSD	1.8
4/29/2013	8A	13.17
4/30/2013	DSSD	3.46
Total		260.99

APRIL 2013

		MAY 2013
Date	Zone	Weight
5/1/2013	22	2.1
5/1/2013	DSSD	2.73
5/2/2013	13 - 14	8.57
5/3/2013	DSSD	7.63
5/6/2013	13A - 14A	22.02
5/7/2013	22	5.21
5/8/2013	26	12.43
5/9/2013	DSSD	6.83
5/10/2013	DSSD	3.56
5/13/2013	26	7.66
5/14/2013	11	6.36
5/15/2013	11	7.6
5/15/2013	15	4.62
5/16/2013	12A	15.28
5/17/2013	DSSD	5.45
5/20/2013	12B	24.01
5/21/2013	11A - 11B	22.32
5/22/2013	21	6.03
5/23/2013	23	10.06
5/24/2013	DSSD	5.55
5/28/2013	11B	8.5
5/29/2013	10A	7.63
5/30/2013	14A - 13A	8.78
Total		210.93

MAY 2013

JUNE 2013		
Date	Zone	Weight
6/3/2013	9B	6.26
6/4/2013	22	4.44
6/5/2013	22	0.58
6/6/2013	27	11.23
6/6/2013	DSSD	3.61
6/10/2013	11	5.84
6/11/2013	11	5.3
6/12/2013	24	8.75
6/13/2013	15	6.37
6/17/2013	9	5
6/18/2013	25	6.82
6/19/2013	8C - 8B	11.83
6/20/2013	14	3.9
6/21/2013	DSSD	7.79
6/24/2013	8A - 8B	9.36
6/25/2013	1 - 11	17.52
6/27/2013	DSSD	6.12
Total	· · · · · · · · · · · · · · · · · · ·	120.72

JUNE 2013

3021 2013		
Date	Zone	Weight
7/2/2013	22	2.52
7/3/2013	22	8.52
7/5/2013	DSSD	2.12
7/08/213	11	5.04
7/9/2013	11	5.06
7/10/2013	26	8.69
7/11/2013	8	6.57
7/12/2013	DSSD	2.61
7/15/2013	12	4.22
7/16/2013	12	4.53
7/16/2013	DSSD	4.79
7/17/2013	6	17.24
7/18/2013	10	12.93
7/19/2013	DSSD	5.62
7/22/2013	17	2.55
7/23/2013	11	8.01
7/24/2013	13	16.26
7/25/2013	12	2.69
7/30/2013	13A - 14A	6.74
Total		126.71

JULY 2013

AUGUST 20 ²

Date	Zone	Weight
8/1/2013	11A	2.97
8/5/2013	13A	2.32
8/6/2013	22A	3.09
8/7/2013	22A	4.1
8/8/2013	26	3.11
8/9/2013	DSSD	1.11
8/12/2013	13	3.21
8/13/2013	11	4.01
8/14/2013	11A	5.34
8/16/2013	DSSD	2.17
8/19/2013	14B	2.36
8/20/2013	12B - A	7.57
8/21/2013	11	3.41
8/22/2013	14	5.93
8/23/2013	DSSD	4.2
8/26/2013	12A	2.01
8/27/2013	25	9.11
8/28/2013	24	9.17
8/29/2013	14 - 6	6.57
8/30/2013	DSSD	3.66
Total		85.42

Date	Zone	Weight
9/3/2013	22	3.9
9/4/2013	22	3.59
9/5/2013	14A	7.44
9/6/2013	DSSD	2.68
9/9/2013	11	6.96
9/10/2013	11	4.91
9/11/2013	12	8.4
9/12/2013	26	3.13
9/16/2013	13	6.55
9/17/2013	TY B - A	8.37
9/18/2013	27	2.58
9/20/2013	DSSD	6.26
9/23/2013	8A - 8B	8.78
9/24/2013	1 -2	10.7
9/25/2013	15	8.07
9/26/2013	13	4.11
9/27/2013	DSSD	1.08
9/30/2013	21	6.98
Total		104.49

SEPTEMBER 2013

OCTOBER 2013

Date	Zone	Weight
10/1/2013	22	4.98
10/2/2013	22	3.19
10/3/2013	25	2.4
10/7/2013	11	7.89
10/8/2013	11	4.26
10/9/2013	11	10.88
10/10/2013	26	3.31
10/11/2013	DSSD	3.79
10/15/2013	13 - 14	8.07
10/16/2013	11A - 11B	5.68
10/17/2013	26	2.6
10/18/2013	DSSD	3.52
10/21/2013	17	2.28
10/22/2013	23	4.54
10/23/2013	25	4
10/24/2013	DSSD	2.06
10/25/2013	DSSD	1.81
10/28/2013	25	3.24
10/29/2013	27	7.26
10/30/2013	14 - 13	5.57
10/31/2013	22	5.52
Total		96.85

NOVEMBER 2013

Zone	Weight	
DSSD		0.65
22		42.52
		43.17
Lea		
	Weight	
		74
		72
		72
		80
		70
		65
		63
		60
		74
		72
		70
		772
	DSSD 22	DSSD

November 2013 Total	815.17
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DECEMBER 2013

· · · · · · · · · · · · · · · · · · ·			
Date	Zone	Weight	
12/23/2013	DSSD		6.14
12/30/2013	13 - 14		21.48
Total			27.62
	Lea	af Pick Sweeper #151 -152 -153	
Date		Weight	
12/2/2013			78
12/3/2013			77
12/4/2013			74
12/5/2013			58
12/6/2013			66
12/9/2013			57
12/11/2013			59
12/12/2013			54
12/13/2013			64
Total			587

614.62
2714.58

* Tonage for leaf pick up is estimated at 1 ton per dump

JANUARY 2014

Date	Zone	Weight
1/13/2014	22 - 23	14.24
1/14/2014	21	28.98
1/16/2014	14 - 16	19.36
1/17/2013	DSSD	7.47
Total		70.05

FEBRUARY 2014

Date	Zone	Weight
		0
Total		0

MARCH 2014

Date	Zone	Weight
3/7/2014	DSSD	8.59
3/10/2014	DSSD	28.44
3/11/2014	16	16.74
3/12/2014	DSSD	5.63
3/18/2014	12	33.34
3/19/2014	14	24.52
3/20/2014	16	20.77
3/21/2014	DSSD	8.69
3/24/2014	26	13.2
3/26/2014	DSSD	1.81
3/27/2014	16	22.59
3/28/2014	DSSD	12.97
3/31/2014	24	9.39
Total		206.68

Date	Zone	Weight
4/1/2014	22	25.43
4/2/2014	22	16.28
4/3/2014	13A	20.14
4/4/2014	DSSD	10.01
4/7/2014	23	14.06
4/8/2014	11	18.98
4/9/2014	13	6.02
4/10/2014	13	32.89
4/11/2014	DSSD	5.26
4/14/2014	11	7.26
4/15/2014	21	18.19
4/14/2014	DSSD	9.52
4/21/2014	8A	7.22
4/22/2014	8A	10.29
4/23/2014	5	9.75
4/24/2014	15	9.17
4/25/2014	DSSD	2.46
4/28/2014	8B - 8A	12.15
4/29/2014	14A	10.82
Total		245.9

APRIL 2014

Μ	AY	20 ²	14
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Date	Zone	Weight
5/1/2014	16	6.91
5/2/2014	DSSD	3.23
5/5/2014	14A	10.31
5/6/2014	22	11.83
5/7/2014	22	6.03
5/8/2014	8	9.2
5/9/2014	DSSD	4.44
5/12/2014	11	8.91
5/13/2014	11	17.32
5/14/2014	12A - 12B	14.45
5/15/2014	12B- 12A	9.19
5/16/2014	DSSD	5.39
5/19/2014	11A	10.72
5/20/2014	11A - 11B	16.72
5/21/2014	WEST BEACH	37.89
5/21/2014	COVE ISLAND	10.07
5/22/2014	21	13.65
5/23/2014	DSSD	4.44
5/27/2014	10B	17.29
5/28/2014	10A	9.05
5/29/2014	26	11.9
5/30/2014	DSSD	6.46
Total		245.4

	JONE 2014				
Date	Zone	Weight			
6/2/2014	9 - 9A	9.56			
6/3/2014	22	1.47			
6/4/2014	22	14.94			
6/5/2014	8C	4.17			
6/6/2014	DSSD	2.55			
6/9/2014	11	11.28			
6/10/2014	11	12.37			
6/12/2014	12B	5.64			
6/13/2014	DSSD	1.81			
6/16/2014	COVE ISLAND	6.82			
6/17/2014	23	8.09			
6/18/2014	23	5.73			
6/19/2014	4	32.66			
6/20/2014	DSSD	7.81			
6/23/2014	24	4.43			
6/24/2014	13	35.08			
6/25/2014	4	28.16			
6/27/2014	DSSD	2.48			
6/30/2014	21	4.36			
Total		199.41			

JUNE 2014

SUB TOTAL TONAGE FOR JANUARY - JUNE 30, 2014

967.44

2013 - 2014 SWEEPING SUMMARY

GRAND TOTAL OF ZONES SWEPT

3,682.02

ZONES WITH MOST SWEPT DEBRIS 2013			
1/30/2013	16 - 23	23.4	
2/28/2013	21	17.42	
3/13/2013	Town Yard	21.87	
4/24/2013		33.75	
5/20/2013	12B	24.01	
6/25/2013	1 - 11	17.52	
7/17/2013	6	17.24	
8/28/2013	24	9.17	
9/23/2013	8A - 8B	8.78	
10/9/2013	11	10.88	
11/5/2013	22	42.52	
12/30/2013	13 - 14	21.48	

Total for Most Swept Zones 2013

248.04

ZONES WITH MOST SWEPT DEBRIS 2014				
1/14/2014	21	28.98		
3/18/2014	12	33.34		
4/10/2014	13	32.89		
5/21/2014	WEST BEACH	37.89		
6/24/2014	13	35.08		

Total for Most Zones Swept 2014	168.18
GRAND TOTAL OF MOST SWEPT ZONES	416.22

APPENDIX G

CATCH BASIN REPORTS: 2013 AND THROUGH JUNE 2014

2013 Catch Basin Report

Month	Date	Address	Number of Basins	Net Weight
	1/4/2013	City Garage - Wash Bay		2.5
	1/8/2013	Tupper Drive		6.54
	1/8/2013	Carter Drive		7.08
		Soudview Drive/Willowbrook		
	1/9/2013	Avenue/Tupper Drive		6.6
		Willowbrook Avenu/Soundview		
JANUARY	1/10/2013	Drive/City Garage & Wash Bay		6.61
		Kenilworth Drive/Beachview		
	1/10/2013	Drive/Weed Ave		7.76
	1/11/2013	Stillwater Aveue/Weed Ave		19.33
	1/19/2013	Cummings Beach		7.64
	1/31/2013	Ridge Creast		0.04
Total		J	0	64.1
	2/1/2013	Wead Ave	2	1.57
	2/26/2013	Summer St./North St.	3	6.67
FEBRUARY	2/26/2013	North St.	2	7.01
I EBRO/III	2/28/2013	Cummings Beach	- 3	5.71
	2/28/2013	Saddle Rock/Warren St./Bridge St	6	6.36
Total		g	16	27.32
	3/1/2013	Saddle Rock		6.05
	3/1/2013	Cummings/West	5	5.55
	3/4/2013	Hirsch Rd/Newfield	4	6.76
	3/4/2013	Hirsch Rd/Newfield	3	3.74
	3/11/2013	West Beach/Cummings	6	4.83
	3/12/2013	Lafayett/Columbus Pl	5	6.37
	3/12/2013	Cummings Park	5	1.89
	3/13/2013	Bennett	4	4.85
	3/13/2013	Midland/Boxwood Dr	5	6.02
	3/13/2013	Bennett	3	3.17
MARCH	3/14/2013	Pheasant Ln	7	2.7
	3/14/2013	Bennett/Cummings/Cove Beach	8	1.53
	3/15/2013	Soundview Ave	4	3.23
	3/21/2013	Soundview Ave	4	4.21
	3/21/2013	Soundview Ave	3	4.38
	3/22/2013	Colonial Rd/Hope St	5	4.23
	3/22/2013	Soundview Ave	4	2.06
	3/25/2013	Soundview Ave	8	4.02
	3/25/2013	Glen Ave/Hope St/West North	5	5.05
	3/26/2013	Soundview Ave	5	2.02
	3/27/2013	Tupper Dr/Soundview	7	3.08
Total			100	85.74
Total			100	00.14

	4/4/0040	Onlymphics DIA (in a Dal	4	0.4
	4/1/2013	Columbus PI/Vine Rd	4	6.4
	4/1/2013	McMullen Ct/Soundview Ct	7	4.04
	4/1/2013	Saddlerock/Windell	3	4.25
	4/2/2013	Weed Ave/Harbor Dr/Stephen St	5	5.1
	4/2/2013	McMullen Ave/Owen Ave/James St	9	4.2
		Willowbrook/McCmullen/East	·	
	4/3/2013	Ave/James	9	5.13
	4/3/2013	Old North Stamford Rd	8	6.26
	4/3/2013	Old North Stamford Rd	2	4.87
	4/3/2013	Old North Stamford Rd	2	0.18
	4/3/2013	Old North Stamford Rd	8	7.32
	4/4/2013	Chin	5	5.35
	4/4/2013	Willowbrook	6	4.31
	4/4/2013		· ·	0.31
	4/4/2013	Chin	5	5.32
	4/5/2013	Tallyho/Sellek St	2	5.94
	4/8/2013	Willowbrook	4	5.31
		Most North (Electron (M)) durant (Dest		
		West North/Elmtree/Wildwood/Rocky	_	
	4/8/2013	Rapid	5	6.27
	4/8/2013	Spruce St/Millriver Rd	6	4.79
	4/8/2013	Willowbrook/Lafayett	5	1.3
	4/9/2013	Bridge St/Hubbard Ave/Bedford St	4	5.7
	4/9/2013	Wendell St	9	5.52
	4/10/2013	Roxbury Rd/Westover Rd	2	5.69
		·		
	4/10/2013	Warewell St/Soundview Ave/Limerick	7	3.57
	4/11/2013	Frostpond	4	5.78
	4/11/2013	Frostpond	2	6.67
	4/11/2013	Turn of River Rd	4	4.52
	4/11/2013	Frostpond	4	2.66
		•		
	4/11/2013	Frostpond	4	6.93
	4/12/2013	Frostpond	2	1.79
	4/15/2013	Turn of River Rd	6	4.25
	4/15/2013	Frostpond/Elise Dr/Buckingham Ct	5	6.61
APRIL	4/16/2013	Turn of River Rd	1	1
	4/16/2013	Frostpond Rd	4	6.2
	4/16/2013	Congress St	5	4.38
	4/16/2013	Aspen Ln	4	2.55
	4/16/2013		3	3.26
		McClurg		
	4/17/2013	Fairfield Ave	4	4.48
	4/17/2013	Aspen Ln	4	4.77
	4/17/2013	Fairfield Ave	4	2.54
	4/18/2013	Aspen Ln	5	4.96
	4/18/2013	Fairfield Ave	4	2.79
	4/18/2013	Gaymoore Dr	5	6.48
	4/18/2013	Fairfield Ave	4	3.1
	4/19/2013		4 5	6.07
	4/19/2013	Gaymoore Dr	0	0.07

	4/19/2013	Gaymoore Dr	3	2.48
	4/22/2013	Sea Beach Dr/ Gaymoore Dr	7	6.41
	4/24/2013	Prudence Dr	5	5.32
	4/24/2013	Prudence Dr/Hidden Brook	9	6.59
	4/24/2013	Fairfield Ave	4	3.26
	4/24/2013	Windybrook Dr	5	5.82
	4/24/2013	Maple Ave	2	3.82
	4/24/2013	Fairfield Ave/Young Dixon Way	4	2.16
	4/25/2013	Hemlock Dr	8	5.87
	4/25/2013	Fairfield Ave	7	3.35
	4/25/2013	Hemlock Dr	4	5.64
	4/25/2013	Fairfield Ave	4	1.18
	4/25/2013	Hemlock Dr	2	2.64
	4/26/2013	Fairfield Ave/Sellek St	4	2.34
	4/29/2013	Silverhill	12	6.71
	4/29/2013	Sellek St	8	5.04
	4/29/2013	Lawn Ave/Silver Hill/Shippan Ave	7	5.11
	4/29/2013	Sellek St	4	3.86
	4/29/2013	Lawn Ave	4	2.82
	4/30/2013	Lawn Aven/Sutten Dr	7	5.36
	4/30/2013	Sellek St	6	4.85
	4/30/2013	Maple Ave	4	4.1
	4/30/2013	Sellek St	3	5.34
	4/00/2010	Ochek Ot		
Total			323	298.99
Total	5/1/2013	Vine Rd/Nutmea	323	298.99 5.19
Total	5/1/2013 5/1/2013	Vine Rd/Nutmeg Sellek St	4	5.19
Total	5/1/2013	Sellek St	4 6	5.19 4.21
Total	5/1/2013 5/2/2013	Sellek St Vine Rd	4 6 4	5.19 4.21 4.28
Total	5/1/2013 5/2/2013 5/1/2013	Sellek St Vine Rd Sellek St	4 6 4 5	5.19 4.21 4.28 2.58
Total	5/1/2013 5/2/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave	4 6 4	5.19 4.21 4.28
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper	4 6 4 5 4	5.19 4.21 4.28 2.58 6.35
Total	5/1/2013 5/2/2013 5/1/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave	4 6 4 5	5.19 4.21 4.28 2.58
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge	4 6 4 5 4 4	5.19 4.21 4.28 2.58 6.35 4.8
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper	4 6 4 5 4 4 5	5.19 4.21 4.28 2.58 6.35 4.8 3.99
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill	4 6 4 5 4 4 5 7	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave	4 6 4 5 4 4 5	5.19 4.21 4.28 2.58 6.35 4.8 3.99
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station	4 6 4 5 4 4 5 7 5	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St	4 6 4 5 4 4 5 7 5 7	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station	4 6 4 5 4 4 5 7 5	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/9/2013 5/13/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd	4 6 4 5 4 4 5 7 5 7 5	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/9/2013 5/13/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St	4 6 4 5 4 4 5 7 5 7	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/9/2013 5/13/2013 5/13/2013 5/13/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd Alpine St/Wood Dine Rd/Tower Ave	4 6 4 5 4 4 5 7 5 7 5 7 5 6	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69 6.97
Total	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/9/2013 5/13/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd	4 6 4 5 4 4 5 7 5 7 5	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69
Total	5/1/2013 5/2/2013 5/3/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/13/2013 5/13/2013 5/13/2013 5/14/2013 5/14/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd Alpine St/Wood Dine Rd/Tower Ave Glenbrook Rd/East Main	4 6 4 5 4 4 5 7 5 7 5 7 5 6 7	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69 6.97 6.46
Total	5/1/2013 5/2/2013 5/3/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/9/2013 5/13/2013 5/13/2013 5/13/2013 5/14/2013 5/14/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd Alpine St/Wood Dine Rd/Tower Ave Glenbrook Rd/East Main Glenbrook Rd/Maple Ave/East Main	4 6 4 5 4 4 5 7 5 7 5 7 5 6 7 5 6 7 5 5	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69 6.97 6.46 2.87
	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/13/2013 5/13/2013 5/13/2013 5/14/2013 5/14/2013 5/15/2013 5/15/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd Alpine St/Wood Dine Rd/Tower Ave Glenbrook Rd/East Main Glenbrook Rd/Maple Ave/East Main Frederick St/Clark St/Spruce St	4 6 4 5 4 4 5 7 5 7 5 7 5 6 7 5 6 7 5 6	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69 6.97 6.46 2.87 7.1
MAY	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/13/2013 5/13/2013 5/13/2013 5/14/2013 5/14/2013 5/15/2013 5/15/2013 5/15/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd Alpine St/Wood Dine Rd/Tower Ave Glenbrook Rd/East Main Glenbrook Rd/Maple Ave/East Main Frederick St/Clark St/Spruce St Hobson St	4 6 4 5 4 4 5 7 5 7 5 7 5 6 7 5 6 7 5 6 2	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69 6.97 6.46 2.87 7.1 2.3
	5/1/2013 5/2/2013 5/1/2013 5/3/2013 5/6/2013 5/7/2013 5/7/2013 5/8/2013 5/8/2013 5/13/2013 5/13/2013 5/13/2013 5/14/2013 5/14/2013 5/15/2013 5/15/2013	Sellek St Vine Rd Sellek St Newfield Ave/Vine/Haig Ave Glenbrook Rd/Coloden Rd/Pepper Ridge Pepper Ridge Rd/Westhill Rd/Silverhill Maple Ave Virgil/Glenbrook Rd/Pumping Station Rd/Altantic St Glenbrook Rd Alpine St/Wood Dine Rd/Tower Ave Glenbrook Rd/East Main Glenbrook Rd/Maple Ave/East Main Frederick St/Clark St/Spruce St	4 6 4 5 4 4 5 7 5 7 5 7 5 6 7 5 6 7 5 6	5.19 4.21 4.28 2.58 6.35 4.8 3.99 2.56 4.16 3.66 4.71 5.69 6.97 6.46 2.87 7.1

	5/16/2013	Hobson St	4	4.2
	5/17/2013	Canal	2	5.25
	5/20/2013	City Garage/Stillwater/West Main	10	5.81
	5/21/2013	Stillwater Rd	7	5.32
	5/21/2013	Cedar Heights	5	7.78
	5/22/2013	Cedar Heights	1	3.35
	5/22/2013	Stillwater Rd	6	4.64
	5/22/2013	Stillwater Rd	5	5.17
	5/23/2013	Stillwater Rd	7	2.16
	5/23/2013	Cedar Heights	6	9.25
	5/24/2013	Stillwater	2	4.63
	5/28/2013	Stillwater	5	3.44
	5/28/2013		11	1.77
	5/28/2013	Stillwater	4	2.79
	5/29/2013	Stillwater	2	2.71
	5/29/2013	Cedar Heights	5	3.44
	5/30/2013	Stillwater	5	6.73
	5/30/2013	Stillwater	3	3.14
	5/31/2013	Stillwater	5	3.02
Total			188	172.07
	6/3/2013	Stillwater/Ashton Rd	5	1.8
		Ashton Rd/Newfield Ave/Verplark		
	6/4/2013	Ave/Stillwater Rd	6	4.13
	6/5/2013	Burwood Ave/Bedford St/Hinekley Ave	6	1.78
	6/5/2013	Burwood Rd	3	1.32
	6/6/2013	Lennox Ave/Chatam Rd/Elm Tree	3	6.58
	6/10/2013	Chatham/Sawmill Rd	2	2.97
	6/11/2013	Webb Ave/Newfield Ave	4	3.38
	6/12/2013	W. Haviland Rd	1	2.41
	0/12/2013	Pin Oak Cir/W Haviland/Webb	1	2.41
	6/12/2012	Ave/Newfield Ave/Lockwood Ave	0	2.01
JUNE	6/13/2013		8	3.81
JUNE	6/13/2013	Lockwood	5	0.56
	6/14/2013	Golden Rd/Lockwood Ave	5	0.47
	6/14/2013		3	2.25
	6/17/2013	Westhill Cir/Brownhouse Rd	5	6.04
	6/17/2013	High Clear Dr	2	0.76
		Dora/Daney/Newfield/Westhill/Fairmo		
	6/18/2013	nt	8	3.79
		Foxwood/Scofieldtown/Foxhill/Fairmon		
	6/19/2013	t	5	1.18
	6/21/2013	Czeik Marince Parking	5	5.61
	6/24/2013	Jetted/Gaxar/Newfield	4	4.01
	6/25/2013	Apple Valley	4	3.7
	6/28/2013	Happy Hill	5	4.34
Total			89	60.89
	7/1/2013	Apple Valley/Newfield Ave	12	6.61
	7/1/2013	Winters St	1	2.29
	1/1/2013	Wintero Ot		2.20

	7/2/2013		11	8.57
	7/3/2013		8	4.33
	7/8/2013	Federatl St/Pumping Station Rd Wire Mill/Federal St/Sellek/Culloden	4	7.22
	7/9/2013	Rd	5	6.51
	7/10/2013	Bedford St/Fairmon Ave	7	2.44
	7/11/2013	South Stair St	7	9.28
	7/11/2013	South Stair St	8	8.44
	7/12/2013	North State St	7	8.24
	7/12/2013	North State St	3	2.61
	7/12/2013	Sellek St	6	5.65
	7/15/2013	North/South State St	5	6.31
	7/15/2013	Sunnyside Ave	9	7.18
	7/15/2013	Sunnyside Ave	9 4	7.10
	7/16/2013	Toffy Ave		5.83
		Taffy Ave	4	
	7/16/2013	Southfield Ave	6	4.77
	7/16/2013	Tower Ave	5	2.71
	7/16/2013	Southfield Ave	4	5.32
	7/17/2013	Southfield Ave	7	4.42
	7/17/2013	South State	6	2.7
	7/17/2013		8	3.09
JULY	7/15/2013		8	3.84
	7/18/2013		4	6.24
	7/18/2013	Grove	6	3.66
	7/19/2013	Lenox Ave	4	5.33
	7/19/2013		9	5.38
	7/22/2013		8	4.8
	7/22/2013	Rippowam/Grove	13	6.52
	7/23/2013	Travis Ave/2nd St	8	6.43
	7/23/2013		9	5.73
	7/24/2013	5th St	5	5.85
	7/24/2013	5th St	8	6.34
	7/24/2013		11	6.37
	7/25/2013	Old Ban/River Ridge Ct/Nalthie Av	7	5.06
	7/25/2013	5th St/Bedford St	5	5.94
	7/25/2013	Malthie	6	6.09
	7/26/2013	Bedford St	4	4.11
	7/26/2013	Bedford/South State	6	5.15
	7/29/2013	Stark PI/Stillwater/Brownley Dr	9	6.38
	7/29/2013	Crystal Lake	5	5.21
	7/29/2013	Crystal Lake	5	3.66
	7/30/2013	Wildwood Rd/Henry St	15	6.9
	7/31/2013	Joffre Ave	6	6.78
	7/31/2013	Henry St	13	5.83
	7/31/2013	Ledge Ln/Joffre Ave	3	2.44
Total	110112010		314	252.08
, otar	8/1/2013	Henry St	10	2.89
	8/1/2013	Deacon Hill/Sussex Rd/Joffre Rd	10	6.22
	0/1/2015	Deacon minioussex Nu/Jointe Nu	14	0.22

			-	
	8/1/2013	Jamroga Rd	3	3.39
	8/2/2013	Little Hill Rd/Jamroga Rd	4	1.52
	8/2/2013	Silver Hill	10	3.16
	8/5/2013	Little Hille Dr	5	7.59
	8/5/2013	Jessup	5	4.17
	8/6/2013	Idlewood Rd	14	6.03
	8/6/2013	Little Hill Rd/Jamroga Rd	9	6.81
	8/6/2013	Idlewood Rd	12	7.26
	8/7/2013	Rolling Wood Dr	12	4.51
	8/7/2013		10	4.4
	8/8/2013	Old Mill	8	6.76
	8/8/2013	Bon Air/Birchwood	7	6.03
	8/8/2013	Birchwood	7	4.77
	8/8/2013	Matthews	2	1
	8/9/2013	Old Mill	12	2.75
	8/9/2013	High Clear Ave	6	3.3
	8/12/2013	High clear/Bell St	10	5.9
	8/13/2013	Apple Bee/Briarwood Ln	6	4.03
	8/13/2013		10	2.71
	8/14/2013	Hardesty Rd	12	6.3
	8/14/2013	Fairmont/Elm St	8	3.85
	8/14/2013	Hardesty Rd	13	6.14
	8/14/2013	Elm St	6	2.32
	8/15/2013	Hardesty Rd/constance Dr/Den	11	6.53
AUGUST	8/15/2013	Knox Rd	8	3.01
	8/15/2013		3	4.58
	8/15/2013	Den Rd	2	1.83
	8/16/2013	Betts PI/Wavely PI	7	3.98
	8/19/2013	Knox Rd/Wilson St	9	7.27
	8/20/2013	Knox Rd/Wilson St	8	3.88
	8/20/2013	Dian Rd/Ridgebrook	7	6.75
	8/20/2013	Wilson/Waverly	4	2.24
	8/20/2013	Dulan/Mill rd/Mill Valley	8	5.38
	8/21/2013	Randt/Willard Terrace/Hope St	8	5.28
	8/21/2013	Hope St	11	0.81
	8/22/2013	Knottingham	5	2.82
	8/22/2013	Hope St/Opper Rd	12	5.25
	8/22/2013		8	5.12
	8/23/2013		13	4.87
	8/23/2013	Opper Rd	7	3.95
	8/26/2013	oppoint.	5	6.86
	8/26/2013	Stillwater Rd	8	3.5
	8/26/2013	Broad St	10	4.24
	8/27/2013	Broad St	11	6.6
	8/27/2013	Redmont	8	5.59
	8/27/2013	Opper Rd	5	4.65
	8/28/2013	Dolan Dr	7	4.47
	8/29/2013	Northwood	6	7.13
	0/20/2013	Northwood	U	7.10

	8/29/2013	Wilson/Waverly/Wallace	7	5.61
	8/29/2013	Wilson St	11	4.84
	8/30/2013	Wilson/Waverly	6	6.97
Total		,	428	247.82
	9/3/2013	Northwood Ln/Rochridge Ln	14	6.75
	9/3/2013	Ardmore/Outlook/Crap Apple/Aton Rd	10	7.7
	9/4/2013	Harvard Ave/Erskire Rd	9	4.4
	9/5/2013	Larkspur Rd	6	7.21
	9/5/2013	Blackberry Dr	7	6.28
	9/5/2013	Larkspur Rd	2	3.19
	9/5/2013	Blackberry Dr	13	3.17
	9/6/2013	Blackberry Dr	8	3.54
	9/9/2013		8	4.55
	9/9/2013	Breezy Hill	13	3.91
	9/10/2013	Clay Hill Rd	5	3.17
	9/10/2013	Clay Hill Rd	10	4.28
	9/11/2013	Country Club Rd	7	5.16
	9/11/2013	Coverty Rd/Rolling Ridge	7	2.59
	9/11/2013	Lakeside Dr	7	6.17
	9/11/2013	Lakeside Dr	4	4.21
	9/12/2013	Rolling Ridge	5	5.18
	9/12/2013	Harvard Ave	7	5.76
	9/12/2013	Harvard Ave	8	4.39
	9/13/2013	Revonah Cir/Canal St/Henry St	13	4.81
	9/13/2013	Revonah Cir	13	5.06
	9/13/2013	Breezy Hill Rd	5	3.5
	9/16/2013	Mill Spring Rd	5	8.11
	9/16/2013	Harvard Ave/Mill Spring Rd	5	3.55
	9/163/2013	Pamlynn Rd	5	6.66
	9/16/2013	Barmore	7	5.25
OFFENDED	9/17/2013	Mill Spring Rd	4	3.54
SEPTEMBER	9/17/2013	Mill Spring Rd	5	6.15
	9/18/2013	Mill Valley Rd	6	3.38
	9/18/2013	Alton Rd	4	0.88
	9/18/2013	Barmore	13	6.56
	9/18/2013	Barmore	13	5.41
	9/19/2013	Barmore	13	5.73
	9/19/2013	Bentwood	6	6.7
	9/19/2013	City Garage	11	4.18
	9/20/2013	City Garage	7	4.08
	9/20/2013	Bedford St/Bentwood	5	3.31
	9/23/2013	Palmer St/Whittaker Pl	4	5.8
	9/23/2013	Dartley Rd	5	7.26
	9/23/2013	Courtland Cir	4	2.59
	9/23/2013	Camore St/Edice St	5	5.15
	9/24/2013	Donbob Rd	7	6.33
	9/24/2013	Largo Park Area	8	4.85

	9/24/2013	Don Bob Rd	4	2.85
	9/25/2013	Palmer Hills	9	8.98
	9/25/2013	Barrett Ln	6	2.17
	9/25/2013	Palmer Hills	7	2.58
	9/25/2013	Arbor Rd	6	1.38
	9/26/2013	Haig Ave	5	1.27
	9/26/2013	Palmer Hill/Fredrick St	8	4.19
	9/26/2013	Carrington Dr	5	3.32
	9/26/2013	Westhill Rd	13	2.57
	9/27/2013	Woody Trail/Carrington Dr	9	7.6
	9/27/2013	Haig Ave/Orchard Ave	7	3.33
	9/30/2013	Haig Ave	5	5.18
	9/30/2013	Haig Ave	5	5.02
Total	0.00.2010		412	260.89
	10/1/2013	Haig Ave	4	5.04
	10/1/2013	Haig Ave	6	3.17
	10/2/2013	Haig Ave	6	3.64
	10/3/2013	Viaduct/Mill Rd	11	7.68
	10/3/2013	Viaduct Rd	5	3.13
	10/4/2013	Viaduct/Stonewall Rd	9	5.36
	10/4/2013	West Trail	15	3.56
	10/4/2013	West ITal	9	4.03
	10/7/2013	Fishing Trail	9 5	5.14
	10/7/2013	Town Yard/Poplar St	10	4.07
	10/7/2013	Fishing Trail	3	4.07
OCTOBER				5.82
	10/8/2013	Clean iour	6	5.82 5.94
	10/8/2013	Clearview	10	5.94
	10/8/2013	Fishing Trail/Setters Trail/Woody Trail	12	2.78
	10/09/213	Clearview/Wildwood Rg	10	3.2
	10/9/2013	Knapp St/St. Charles	4	5.34
	10/9/2013		7	5.43
	10/10/2013	St. Charles	6	4.43
	10/11/2013	St. Charles	4	5.22
	10/15/2013	Bennett St/Northhill	8	4.68
	10/16/2013	Ocean Dr	4	4.8
Total	10/10/2013	Occar Di	154	97.19
NOVEMBER			0	0
DECEMBER			0	0
			U U	- V
		TOTAL	2024	1567.09
		TOTAL		1001100

2014 Catch Basin Report

Month	Date	Address	Number of Basins	Net Weight
	1/13/2014			4.14
	1/14/2014			4.01
	1/15/2014			5.85
	1/16/2014			4.19
JANUARY				
Total				18.19

FEBRUARY

Total

Total				
MARCH	3/28/2014	Silver Hill/Little Hill	8	4.9
Total			8	4.9
	4/2/2014	Lockwood Ave/Westover	6	6.38
	4/3/2014	Strawberry Hill	1	0.16
	4/3/2014	Strawberry Hill/Orange St	9	2.72
	4/8/2014	Skyline/Northwing/Wire Mill Rd	10	2.09
	4/8/2013	Elm St	9	1.61
	4/9/2014	Lindsey St/Clifford St/Rome Ave	9	3.55
	4/9/2014	Lindsey/Rome/Clifford Ave		5.49
	4/10/2014	Kenney Ln/Cambridge	9	5.93
	4/10/2014	Skyline	1	2.07
	4/11/2014	Cambridge Rd	5	6.83

	4/4 4/004 4		4	4.40
	4/14/2014	Wire Mill Rd	4	4.42
	4/14/2014	Wees Hill Ave		6.19
	4/14/2014	Weed Hill	9	3.78
	4/16/2014	Lewis Rd/Hirsch Rd	7	5.97
	4/16/2014	Barnhill/Morgan	10	3.68
	4/17/2014	Crestwood Rd/Dannel Dr	4	4.91
	4/17/2014	Elm St/Lafayette/Summer St/Lockwood Ave	18	4.37
APRIL	4/21/2014	Dannel Dr	5	5.31
	4/21/2014	Lafayete/Elm St/ Lockwood	12	6.65
	4/22/2014	Pin Oak Cir/Donnell/Smith St/ Skymeadow Rd	10	4.76
	4/23/2014	Wire Mill Rd/Dannel Dr	6	6.8
	4/23/2014	Indian Hill	5	6
	4/23/2014	Indian Hill	9	5.12
	4/23/2014	Dannel Dr/Rippowam	4	2.3
	4/24/2014	Indian Hill	6	5.16
	4/24/2014	Hirsh Rd/Powell Pl/Ivy St	7	3.44
	4/24/2014	Indian Hill/Bayberry	10	4.31
	4/24/2014	Ivy St/Powell PI	6	6.05
	4/25/2014	Broad St	6	4.4
	4/28/2014	Westhill Cir	R - Side	9.77
	4/28/2014	Westhill Cir	L-Side	5.37
	4/29/2014	Westhill Cirl	8	6.8
	4/29/2014	Westinn Chi	0	0.0
			005	450.00
			205	152.39

Total

	5/2/2014	Third St/Strawberry Hill/85 Maple		6.49
	5/5/2014	Tree/Lillian/Miniunle/Tremont	8	5.6
	5/6/2014		Ū	8.03
	5/6/2014			6.67
	5/7/2014			7.1
	5/8/2014	Ivy St/Windsor/Red Fox	9	8.64
	5/12/2014	East Middle Patent	6	7.23
	5/15/2014	Meredith Ln/41 Berrian/Baxter Ave	8	7.12
	5/15/2014	22 Bel Air/Haviland Rd	4	2.5
MAY	5/19/2014	Bennet St	8	6.16
	5/20/2014	Short Ursula Pl/Holloween Blvd/Newfield	8	7.18
	5/21/2014	Left side Newfield Ave/Cascade Rd	10	6.69
	5/22/2014	Woodbinc (R and L side)	12	7.29
	5/27/2014	Cody Dr/84 Farms Rd/87 Richmond	7	5.51
	5/28/2014	Tally/27 Winesap/Locust Ln	3	3.78
	5/28/2014	Willam & Dak/Washington & Court	2	1.75
	5/29/2014	Bennington Ct/Haviland/W. Haviland	7	8.34
	5/29/2014	West Haviland - Chestnut		8.44
	5/30/2014	Haviland/Cestnut/Bennington		9.02
Total			92	123.54
	6/2/2014	West Haviland/Apple Valley	8	7.68
	6/2/2014	Apple Valley	5	3.22
	6/3/2014	Bay Barrie/Mathew Ave	4	4.67
	6/3/2014	Autumn Ln/46 & 55 White Birch	8	7.87
	6/4/2014	Taconic Rd/Farms Rd		7.39
	6/5/2014	Farms Rd/Barnett & Hope St	6	4.85
	6/6/2014	Larkin/24 Across/Old Well Rd	5	9.1
	6/6/2014	Old Well/Stafled Dup Spring	3	3.63
	6/6/2014	Larkin St/Glendale Dr	6	5.99
	6/9/2014	Highhive Trail/Lantern Cir	3	6.01
	6/9/2014	Deep Spring Rd (R side)		6.86
	6/9/2014	Hantern Cir	5	3.66
	6/10/2014	Deep Spring Rd (L side)		6.9

	6/10/2014	Brighton PI/Crane Rd	4	6.39
	6/10/2014	57 Westhill Rd/Across Street	2	3.89
JUNE	6/10/2014	Lindsey Ave/Crane Rd	6	7.82
	6/11/2014	Hampshire Ln/Dramba/Somerset Ln	9	5.01
	6/11/2014	Craine Rd	5	7.45
	6/11/2014	Perna Ln		4.18
	6/12/2014	West View Ln/Corner of Washington Blvd	9	6.26
	6/12/2014	Westover Ln	8	5.8
	6/16/2014			2.08
	6/17/2014	Highline Trail (R side)	6	5.73
	6/17/2014	Windere Ln/Highline Trail South	5	7.81
	6/18/2014	Highline Trail	7	4.78
	6/19/2014	Wildwood	4	3.87
	6/19/2014	Vito, Church St		2.03
	6/23/2014	Shagbark	4	1.79
	6/23/2014	Talmadge	2	6.36
	6/30/2014			3.23
Total			124	162.31
		TOTA	AL 429	511.13

APPENDIX H

NOTICE OF VIOLATION ~ 2014

ANCHOR Engineering Services, Inc.



79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

NOTICE OF VIOLATION

TO: Hon. David R. Martin Mayor 10th Floor Government Center 888 Washington Avenue Stamford, CT 06901

RE: Stamford MS4 Permit

NOV NO. WR SW 14006

DATE: March 5, 2014

The purpose of this Notice is to inform you that personnel of the Department of Energy & Environmental Protection ("DEEP") have made observations or otherwise obtained information indicating that a violation of law has occurred in the City of Stamford.

- 1. Based on a review of DEEP records conducted by the DEEP Bureau of Materials Management and Compliance Assurance, it appears that you have:
 - a. Failed to submit, by January 1, 2013, stormwater monitoring results for 2012 from a minimum of six outfalls as required by Sections 8 and 9(B) of NPDES Permit No. CT0030279, issued March 18, 2005.
 - b. Failed to submit, by September 4, 2013, a list of stormwater monitoring stations as required by Section 7(D)(1) of NPDES Permit No. CT0030279, issued June 4, 2013.
 - c. Failed to conduct dry weather stormwater monitoring for summer 2013 from a minimum of 10 stream locations as required by Section 7(B) of NPDES Permit No. CT0030279 issued June 4, 2013.
 - d. Failed to conduct wet weather stormwater monitoring for summer 2013 from a minimum of 10 stream locations as required by Section 7(B) of NPDES Permit No. CT0030279 issued June 4, 2013.
 - e. Failed to conduct wet weather stormwater monitoring for fall 2013 from a minimum of 10 stream locations as required by Section 7(B) of NPDES Permit No. CT0030279 issued June 4, 2013.
 - f. Failed to submit, by September 4, 2013, a NetDMR Subscriber Agreement as required by Section 8(B)(1)(d) of NPDES Permit No. CT0030279 issued June 4, 2013.

Additional Comments:

To address violations 1.a - f, within thirty (30) days from the date of issuance of this Notice, submit for the Commissioner's approval a Compliance Statement on a form prescribed by the DEEP (copy enclosed) describing a compliance schedule of corrective action(s) to address these violations and attach all applicable supporting documentation. Such submittal should be sent to the contact person identified below in

paragraph D with a copy of such submittals and supporting documentation directed to Jack Melcher of the Environmental Protection Agency ("the EPA") at the address given below in paragraph E. Until the DEEP has received such submittals, the DEEP will presume you remain in violation.

Be aware that compliance with this Notice does not delay or otherwise affect your requirement to implement and maintain the stormwater monitoring schedules and any other schedules contained in NPDES Permit No. CT0030279 issued June 4, 2013.

- A. <u>Other violations may exist: legal obligations</u>. This Notice does not necessarily specify all violations of Connecticut environmental law or violations of any other legal requirements that may exist at your municipality. This Notice does not preclude the DEEP or other state, local or federal agencies from commencing any enforcement action regarding any such violations. Your municipality may be inspected pursuant to law and without additional prior notice to determine compliance with state and any applicable federal law. It is your responsibility to comply with all legal requirements, whether or not the DEEP notifies you of any violations or takes any enforcement action against you. Nothing in this Notice relieves you of other obligations under applicable federal, state and local law.
- B. <u>Enforcement action</u>. Civil penalties of up to \$25,000 may be assessed for each day of each violation under section 22a-438 of the Connecticut General Statutes. Notwithstanding the issuance of this Notice, the DEEP may seek such penalties and may issue an order, seek an injunction, or take other legal action under Chapters 439 and 446k of the Connecticut General Statutes.
- C. <u>No assurance by Commissioner</u>. No provision of this Notice and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that actions you may take to address the violations alleged herein will result in compliance.
- D. <u>Staff contact</u>: If you question any of the information contained in this Notice, you may contact:

Christopher Stone, P.E. Bureau of Materials Management and Compliance Assurance 79 Elm Street, 2nd floor Hartford, CT 06106 (860) 424-3018

E. <u>EPA contact</u>.

Jack Melcher U.S. E.P.A. New England Office of Environmental Stewardship (SEW) 1 Congress Street, Suite 1100 Boston, Massachusetts 02114-2023

Date:

Christopher O. Stone, P.E.

Christopher O. Stone, P.E. Water Permitting & Enforcement Division Bureau of Materials Management and Compliance Assurance

COMPLIANCE STATEMENT

This Compliance Statement shall be signed by: (1) the chief elected official or principal executive officer of the municipality **and** (2) if different, by the individual responsible for actually preparing such statement, each of whom shall read and sign the certification regarding false statements on the Compliance Statement.

Within thirty days of the date you become aware of a change in any information in the Compliance Statement, or that any information was inaccurate or misleading or that any relevant information was omitted, submit the correct or omitted information to the DEEP and EPA staff contacts identified in the Notice of Violation.

Notice of Violation Issuance Date:Facility name:City of StamfordFacility address:10th Floor Government Center888 Washington AvenueStamford, CT 06901Attention:Hon. David R. Martin
Mayor

NOV WR SW 14006

In accordance with the directions in the above-referenced Notice of Violation, I certify that the noted violations and additional comments have been corrected in the following manner:

Attach sheet(s) as needed (Enclose supporting documentation demonstrating compliance)

Certification of Accuracy

I certify that the information in this Compliance Statement and any attachments thereto are true, accurate and complete, and I understand that any false statement may be punishable as a criminal offense under Connecticut General Statutes sections 22a-6 and 53a-157.

Date

Telephone

Signature

(Type name and title)

Address

Preparer's Signature, if different from above

(Type name and title)

Address

Date

Telephone

APPENDIX I

AQUATIC TOXICITY MONITORING REPORTS AND FIELD DATA SHEETS

DRY INSTREAM SAMPLING EVENT

7/22/14

Client/Project Nar	ne: City of Scamford MS4	Location: Stamford,CT	Project:	# 105-26
Sample #:	20140722-01		Location:	DS.N-01
Event Type (c	ircle type): Spring	Summer Fall	Wet	Dry
Location Data				
Sample Location:	DSN-01 News	man Mills / Riverwalk Par	k	

Sample Data

Dare:	7-22-14	Time: <u>1055</u>		Container List;	
Sampler:	EAN	Weather: Sumay 80 3	2	1 L Amber	H2SO4
			- L	500 ml plastic	Fi2SO4
			T.	250 ml plastic	HNO3
			1	1,000 ml plastic	As-is
			3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7/1	Sample Appearance/Description:
Temperature (o C)	2433	
Dissolved Oxygen (mg/L)	7.67	- Clean Cotorlas, no oder
Spec. Conductivity (µmhos/cm)	352	

	Comments
Erosion or Scour on Streambanks:	- Minat Crossin, Sample collected a 2-31 off of bank
	*
Sedimentation in Streams (sandbars or deltas	-nent

Location: Stamford.CT	Project: # 105-26
	Location: DNS-02
Summer Fall	Wet Dry

Sample Data

Dure:	7-22-(4	Time: 12.00		Container List:	
Sampler:	Jms	Weather: Sunny 80's	2	1 L Amber	H2SO4
			Ľ	500 ml plastic	H2SO4
			i Li	250 inl plastic	HNO3
			1	1.000 ml plastic	As-is
			3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7.87	Sample Appearance/Description:
Temperature (o C)	29.66	
Dissolved Oxygen (mg/L)	7.43	Cloud 1, Clear, slight odor
Spec. Conductivity (µmhos/cm)	308	

	Comments
Erosion or Scour on Streambanks:	NONE .
Sedimentation in Streams (sandbars or deltas	NONE

# 105-26	Project:	Stamford.CT	Location:	mford MS4	lient/Project Nume: City of Star
DAV5-03	Location:			2-02	Sample #: 2614072
Dry	Wet (Fall	Summer F:	Spring	Event Type (circle type):
					Location Data
					Location Data

Sample Data

Dure:	7-22-14		Tune: 1:60			Container List:	
Sampler:	JMO	Weather:	JUNNY SUZ		2	1 L Amber	H2SO4
					4	500 ml plastic	H2SO4
					T = 1	250 ml plastic	HNO3
					1	1,000 ml plastic	As-is
					3	100 ml plastic	sterile
			Note: Law	Iditional 1000 ml A	is-is for Aq Tox dur	ing summer wet ev	ents ONLY

Field Parameters

pH (S.U.)	7.30	Sample Appearance/Description:
Temperature (o C)	19,52	clear/colorless/110 odor
Dissolved Oxygen (mg/L)	6.69	CICK / CHETTEDS / [] U CHEFT
Spec. Conductivity (µmhos/cm)	265	

Erosion or Scour on Streambanks:	Comments
Sedimentation in Streams (sandbars or deltas	NGWC

Client/Project Name: City of Stainford MS4 Location Sample #: 20140722-04	n: Scamford.CT	Project: Location:	# 105-26 DSN-04
Event Type (circle type): Spring Summer	Fall	Wet	(Qry)
Location Data			
Sample Location: DSN04 109 Blookside D Cive			

Sample Data

A MARKED AND THE R	Thalit		Time: 1311		Container List:	
Dute:	- 11acim	Weather: 50	unnu 18213	2	1 L Amber	H2SO4
Sumpler:	Port	weather.	inny/80	L.	500 ml plastic	H2SO4
			1	1	250 ml plastic	HNO3
				1	L000 ml plastic	As-is
				3	100 ml plastic	szerile

Field Parameters

PH(S.U.) 7.62	Sample Appearance/Description:
Temperature (o C) 23(33	5 PAI / De odot
Dissolved Oxvgen (mg/L) 6,75	C COL (110 WENT
Spee. Conductivity (µmhos/cm) 541	

River Condition

	Comingints
Erosion or Scour on Streambanks:	none
Sedimentation in Streams (sandbars or deltas	hone

٦

Client/Project Name: City of Stamford MS4 Location: Stamford.CT Sample #: 20140722-05	Project: # 105-26 Location: DSN - 9 5
Event Type (circle type): Spring Summer Fall	Wet Dry)
Location Data Sample Location: DSN - 0.5	

Sample Data

	7/27/14	der stradition	Time: 11/47		Container List:	
Date:	TTUA	Weather: 50	Terett	 2	I L Amber	H2SO4
ampler:	FUNT	weather: <u>St</u>	17114 7 0 9 5 -	 1	500 ml plastic	FI2SO4
				E.	250 ml plastic	HN03
				L	1,000 ml plastic	As-is
				3	100 mL plastic	sterile

Field Parameters

pH(S.U.)	7,63	Sample Appearance/Description:		
Temperature (o C)	26.98	slightly cloudy,	Ino seci	
Dissolved Oxvgen (mg/L)		* / /	/	
Spec. Conductivity (umhos/cm)	532			

River Condition

Erosion or Scour on Streambanks:	Comments NONE
Sedimentation in Streams (sandbars or deltas	none

1995

Client/Project N	a.ne: City of Stamford MS4	Location: Stamford.CT	Project:	# 105-26
Sample #:	20140722-06		Location:	PSN-06
Event Type (circle type): Spring	Summer Fall	Wet	Dry
Location Dat	ta			
Sample Location:	DSN-06 Cold String	Road Bridge over Rippoway	River	

Sample Data

Date:	772-14		Time:	13:10		Container List:	
Sampler:	ĒĀĄ	Weather:	Sunny	805	2	1 L Amber	H2SO4
					L	500 ml plastic	H2SO4
					L	250 ml plastic	HNO3
					1.	1.000 ml plastic	As-is
					3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7.60	Sample Appearance/Description:
Temperature (o C)	26.60	clear/colorless/no odor
Dissolved Oxygen (mg/L)	7,80	
Spec. Conductivity (µmhos/cm)	5.06	

	Comments - Minor crossion dat to Scasory flooding
Erosion or Scour on Streambanks:	1 Houring
	-Stream depty ~ 1'-1.25 '
Sedimentation in Streams (sandbars or deltas	

Client/Project Name: City of Stamford MS4	Location: Stamford.CT	Project: # 105-26
Sample #: 20140722-07		Location: DSN-CT
Event Type (circle type): Spring (Summer Fall	Wet Dry
Location Data		
Sample Location: DSN - 07		

Sample Data

Dute:	7-22-14		Time:	2:00			Container List:	
Sampler:	JMS	Weather.	SUNNY 8	0's		2	L L Ainber	H2SO4
						Ĺ.	500 ml plastic	H2SO4
						L	250 ml plastic	HNO3
						Ľ	1,000 ml plastic	Asris
						3	100 mEplastic	sterile

Field Parameters

рн. ѕ. и.) 772	Sample Appearance/Description:
Temperature (o C) 26,41	clear/colorless/no odor
Dissolved Oxvgen (mg/L) 7,46	cical / converting land
Spec. Conductivity (umhos/cm) 452	

	Comments
Erosion or Scour on Streambanks:	none
Sedimentation in Streams (sandbars or deltas	nore

Client/Project Name:	City of Star	nford MS4	Location	S	tamford.CT	Project:	# 105-26
Sample #:	20140					Location:	PSN-008
Event Type (circ	le type):	Spring	Summer	Fall		Wet	Ory
Location Data							
Sample Location: D3	8-000	Long	Island Swand	Consta	1 watershed	"A.	

Sample Data

Date:	7-22-141		Tim	: 11:52			Container List:	
Sampler:	EAN	Weather:	Samal	805		2	L L Amber	H2SO4
					-	L	500 ml plustic	H2SO4
						1	250 ml plastic	HNO3
						ľ	1.000 ml plastic	As-is
						3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7.33	Sample Appearance/Description:
Temperature (o C)	29,48	dear/colorless no odor
Dissolved Oxygen (mg/L)	7662	
Spec. Conductivity (µmhos/cm)	3,723	

	Comments
Frasion or Scour on Streambanks:	* Minor crossion alog banks of stream, very
	Shallow 1 0,5'
	Flow 2 70-80
Sedimentation in Streams (sandbars or deltas	

Client/Project Name: City of Stamford MS4 Location: Stamford.CT	Project: # 105-26
Sample #: 20140722-09	Location: DSN909
Event Type (circle type): Spring (Summer) Fall	Wet (Dry)
Location Data	
Sample Location: DSN-99 Sound view Ave & Tupper Di	
Sample Data	Container List.
Date: <u>7/12/14</u> Time: <u>12/24</u> Sampler: <u>PSM</u> Weather: <u>SMN y / 80's</u>	2 1 L Amber H2SO4
Sampler: $1 > p$ Weather: $3 dhn + 1 \times 10^{-5}$	1 500 ml plastic H2SO4
	1 250 inL plastic HNO3
	1 1,000 ml plastic As-is
	3 100 ml plastic sterile
Note: Ladditiona	al 1000 ml As-is for Aq Tox during summer wet events ONL
Field Parameters	
Field Falanieters	
pH (SU) 725 Sample Appearance/Description:	
pH(S(1)) 72 S Simple Appearance/Description:	2 odel
pH (S.U.) 7.2 Sample Appearance/Description:	o odal

River Condition

	Comments
Erosion or Scour on Streambanks:	none
Sedimentation in Streams (sandbars or deltas	hone

٦

Client/Project N.1	une: City of Stamford MS4	Location: Stamford,CT	Project:	# 105-26
	20140722-10		Location:	DSN-10
Event Type (circle type): Spring	Summer Fall	Wet	(Dry)
Location Dat	a	\bigcirc		
Sample Location:	PSN-10 Northwest	Corner of Rosa Hartman	Park	

Sample Data

Date:	7-22-141		Time	12:29		Container List;	
Sampler:	EAA	Weather:	Summe	803	2	1 L Amber	H2SO4
and press.					1	500 ml plastic	H2SO4
					1	250 ml plastic	HNO3
					L.	1,000 ml plastic	As-is
					3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7,59	Sample Appearance/Description:
Temperature (o C)	28.56	along lada lag la sha
Dissolved Oxygen (mg/L)	21	clear/color less/no odor
Spec. Conductivity (µmhos/cm)	785	

River Condition

Erosion or Scour on Streambanks:	
	flowding ishallow ~ 0.75' deep
Sedimentation in Streams (sandbars or deltas	

· ...



860.633.8770 860.633.5971 www.anchorengr.com

ĩ,

41 Sequin Drive Glastonbury, CT 06033

September 11, 2014

KH! VHII

Ms. Rosemary A. Gatter-Evarts Aquatic Toxicity Division Department of Energy and Environmental Protection 79 Elm Street Hartford, Connecticut 06106-5127

SEP 1 1 2014

BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE

Re: City of Stamford Aquatic Toxicity Monitoring Reports (ATMRs)

Dear Ms. Gattar-Everts:

Anchor Engineering Services, Inc. is pleased to submit the attached ten (10) ATMRs for the City of Stamford NPDES permit No. CT0030279. In-stream monitoring was conducted on July 22, 2014 and satisfies the summer dry weather monitoring for 2013.

Per the NPDES permit requirements, Aquatic Toxicity was not performed; it is required annually during the summer wet monitoring event only.

If you have any questions or comments regarding the attached, please do not hesitate to contact me at (860) 633-8770.

Sincerely,

Ena. C.e.

Eric A. Andruk Environmental Scientist

D. Scott Atkin, LEP Principal

cc:

Tyler Theder, City of Stamford Christopher Stone, P.E.; DEEP (letter only)

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: _CT0030279 DSN-001
RECEIVING WATER: Mianus River	WATERBODY ID: <u>7407</u>

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
the second se			

SAMPLE INFORMATION

Sample Type	C	Grab	
Collection Dates (mm/dd/yy)	From: 7/22/2014	To: 7/22/2014	
Collection Times (am/pm)	From:1040 am	To:1055 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:NA	To:NA
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Off	icial: ERNIE	QRGERA	8
Signature:	CU	Ran	
8	Et	pun	_

Title: Director of operAtions Date: 9/5/2014

Facility Name: Town of Stamford MS4	NPDES II	D:CT0030279 DSN-001	
Dilution Water:		Hardness/Salinity:	
Sample Collected On: <u>NA</u> (date)	Received On:	(date)	
Test Species: <u>Daphnia pulex</u> Source: _	Age:		
Test Duration: <u>48 hours</u> , Beginning: <u>(</u> a	<u>um/pm)</u> On:	(date)	

Effluent Dilution	Num	ber of Org Surviving	anisms	Diss	olved Ox (mg/L)	ygen	Т	emperatu (°C)	re	pH (su)		
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A			1									
6.25% B												
6.25% C									-	1.0000-0		
6.25% D					1							
12.5% A	1.1											
12.5% B												
12.5% C												
12.5% D	Ĺ											
25% A										1		
25% B												
25% C	1.00			1		10.00				1		
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												1.
100% B												
100% C					1							
100% D												
NR% A												
NR% B												
NR% C								J				
NR% D			المحي							1		
CONTROL 1												
CONTROL 2								· ·				
CONTROL 3								· · · · · · · ·				
CONTROL 4									_			-
LC50		95% Co	nf. Interv	val	NOAI	EL	CON' SURVI		1	2	3	4

1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀

	COMMENTS Daphnia pulex	
Laboratory Name:		

Laboration Adversary	1000	REFERENCE		
SPECIES	DATE	TOXICANT	SOURCE	LC_5

<u>COMMENTS</u>
Per permit requirements, aquatic toxicity monitoring performed annually during summer wet monitoring event.
Laboratory Name:

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-001
Receiving Water:	Mianus River	Waterbody ID:7407
Sample Collection Date	(s): 7/22/14	
Sample Collection Tim	e: FROM: <u>1040 am</u> (AM/PM) TO: <u>10</u>	55 am (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity		
TRC		

100% Test Sample

Parameter	o	Daphni	a pulex	1	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity	_				
Hardness / Sali	nity				
TRC				i i	

0% Test Sample (Control)

Parameter		Daphnia pulex		1	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity	_				
Alkalinity				1	
Hardness / Sa	linity				
TRC	_				

Laboratory Name: Phonot Environmental Islonaceries, Inc. Sample Dave Elow WAT Sample Dave Elow WAT Sample Dave Elow WAT Sample Dave Elow WAT Sample Dave Elow MAT Sample Dave Elow MAT Sample Dave Elow MAT REBOURNCY DSNa DNTS PARAMETER MENTMONTH: REBOURNCY DSNa DNTS PARAMETER MINIMUMLEVEL REPAIT MONTH: REBOURNCY DSNa DNTS PARAMETER FALA AMATER MINIMUMLEVEL REPAIT MONTH: REACOURNCY DSNa DNT Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2"Colspan="2" Each	1.1		Office of Operations 888 Washington Boulevard	Contact: Tyler Theder 30ulevard Town:		Phone ² : Stamford Zip:
7/22/14 Sample Day s Flow: NA 2UENCY DSN# UNITS PARAMETER 2UENCY DSN# UNITS PARAMETER 2UENCY DSN# UNITS PARAMETER Sample 001 mg/L Ammonia Nitrogen as N Sample 001 mg/L Chemical Oxygen Demand Sample 001 mg/L Chenical Oxygen Demand Sample 001 mg/L Chorides Sample 001 mg/L Chorides Sample 001 mg/L Chorides Sample 001 mg/L Copper, Total Sample 001 mg/L Dissolved Oxygen Sample 001 col/100 mL Fecal Coliform Sample 001 mg/L Hardness as CaCO3 Sample 001 mg/L Nitrite Nitrogen as N Sample 001 mg/L Nitrite Nitrogen as N Sample 001 mg/L Read Total Sample 001 mg/L Read Acrease		Phoenix Environr	nental Laboratoi	ies, Inc.		
YDSN#UNITSPARAMETERMINIMUM LEVEL001 mg/L Ammonia Nitrogen as N0001001 mg/L Ammonia Nitrogen as N01001 mg/L Chemical Oxygen Demand11001 mg/L Chemical Oxygen Demand5001 mg/L Chonicales5001 mg/L Copper, Total5001 mg/L Dissolved Oxygen5001 mg/L Dissolved Oxygen5001 mg/L Dissolved Oxygen5001 mg/L Dissolved Oxygen5001 mg/L Lead. Total5001 mg/L Lead. Total5001 mg/L Nirate Nitrogen as N5001 mg/L Nirate Nitrogen as N0001 mg/L Nirate Nitrogen as N0001 mg/L Residual Chorine, Total5001 mg/L Residual Chorine, Total20N001 mg/L Specific Conductance200001 mg/L Specific Conductance20N001 mg/L Surfactants $<<$		/14		and the second sec		TET-SPRING WET-SUM DR
001 mg/L Ammonia Nitrogen as N001 mg/L Biochemical Oxygen Demand001 mg/L Chemical Oxygen Demand001 mg/L Chonides001 mg/L Chonides001 mg/L Copper, Total001 mg/L Dissolved Oxygen001 $col/100 ml$ Enterococci001 $col/100 ml$ Escherichia coli001 $col/100 ml$ Escherichia coli001 $col/100 ml$ Fread Coliform001 mg/L Hardness as CaCO3001 mg/L Nitrate Nitrogen as N001 mg/L Nitrate Nitrogen as N001 mg/L Nitrite Nitrogen as N001 mg/L Residual Chlorine, Total001 mg/L Residual Chlorine, Total001 mg/L Residual Chlorine, Total001 mg/L Residual Chlorine, Total001 mg/L Specific Conductance001 mg/L Starfactants001 mg/L Starfactante	FREQUENCY	DSN#	SLIND	PARAMETER	REPEAT MINIMUM L	HT.
001 mg/l Biochemical Oxygen Demand 001 mg/L Chemical Oxygen Demand 001 mg/L Chenical Oxygen Demand 001 µg/L Chorides 001 µg/L Copper, Total 001 µg/L Copper, Total 001 µg/L Dissolved Oxygen 001 µg/L Dissolved Oxygen 001 mg/L Dissolved Oxygen 001 col/100 ml Excherichia coli 001 col/100 ml Exclorichio coli 001 mg/L Hardness as CaCO3 001 mg/L Nitrate Nitrogen as N 001 mg/L Nitrate Nitrogen as N 001 mg/L Nitrite Nitrogen as N 001 mg/L Residual Chlorine, Total 001 mg/L Residual Chlorine, Total 001 mg/L Residual Chlorine, Total 001 mg/L Specific Conductance 001 mg/	Each Sample	001	mg/L	Ammonia Nitrogen as N		0.14
001mg/LChemical Oxygen Demand001mg/LChemical Oxygen Demand001mg/LCopper, Total001 $\mu g/L$ Copper, Total001mg/LDissolved Oxygen001col/100 mlEnterococci001col/100 mlEscherichia coli001col/100 mLFecal Coliform001mg/LHardness as CaCO3001mg/LLead, Total001mg/LNitrate Nitrogen as N001mg/LOil & Grease001mg/LOil & Grease001mg/LPhosphorus001mg/LPhosphorus001mg/LResidual Chlorine, Total001mg/LSpecific Conductance001mg/LSpecific Conductance001mg/LSpecific Conductance001mg/LSpecific Conductance001mg/LSpecific Conductance	Each Sample	001	mg/1	Biochemical Oxygen Demand		< 4.0
001 mg/L Chlorides001 $\mu g/L$ Copper, Total5001 $\mu g/L$ Copper, Total5001 mg/L Dissolved Oxygen5001 $col/100$ mlEnterococci5001 $col/100$ mlEscherichia coli5001 $col/100$ mlFecal Coliform5001 mg/L Hardness as CaCO35001 mg/L Nitrate Nitrogen as N5001 mg/L Nitrite Nitrogen as N5001 mg/L Oil & Grease5001 mg/L Phosphorus20001 mg/L Residual Chlorine, Total20001 mg/L Residual Chlorine, Total20001 mg/L Residual Chlorine, Total20001 mg/L Specific Conductance20001 mg/L Stratas20	Each Sample	001	mg/L	Chemical Oxygen Demand		13
001 μg/L Copper, Total 5 001 mg/L Dissolved Oxygen 5 001 col/100 ml Enterococci 5 001 col/100 ml Escherichia coli 5 001 col/100 mL Fecal Coliform 5 001 mg/L Hardness as CaCO3 5 001 mg/L Lead, Total 5 001 mg/L Nitrate Nitrogen as N 5 001 mg/L Nitrate Nitrogen as N 5 001 mg/L Oil & Grease 5 001 mg/L Nitrate Nitrogen as N 5 001 s.u. pH 6 001 mg/L Residual Chlorine, Total 20 001 pg/L Residual Chlorine, Total 20 001 mg/L Sherific Conductance 6 001 pg/L Sherific Conductance 20 001 mg/L Sherific Conductance	Each Sample	001	mg/L	Chlorides		51.6
001 mg/L Dissolved Oxygen001 $col/100 \text{ ml}$ Enterococci001 $col/100 \text{ ml}$ Escherichia coli001 $col/100 \text{ ml}$ Fecal Coliform001 mg/L Hardness as CaCO3001 mg/L Lead, Total001 mg/L Nitrate Nitrogen as N001 mg/L Oil excess001 mg/L Nitrate Nitrogen as N001 mg/L Oil excess001 mg/L Oil excess001 mg/L Oil excess001 mg/L Phosphorus001 pg/L Residual Chlorine, Total001 pg/L Residual Chlorine, Total001 mg/L Specific Conductance001 mg/L Specific Conductance	Each Sample	001	µg/L	Copper, Total	5	<5
001 $col/100 \text{ ml}$ Enterococi001 $col/100 \text{ ml}$ Escherichia coli001 $col/100 \text{ ml}$ Fecal Coliform001 mg/L Hardness as CaCO3001 mg/L Lead, Total001 mg/L Nitrite Nitrogen as N001 mg/L Oil & Grease001 mg/L Oil & Grease001 mg/L Oil & Grease001 mg/L Oil & Grease001 mg/L Phosphorus001 mg/L Reidual Chlorine, Total001 mg/L Residual Chlorine, Total001 mg/L Residual Chlorine, Total001 mg/L Specific Conductance001 mg/L Suffactants	Each Sample	001	mg/L	Dissolved Oxygen		7.67
001 $col/100ml$ Escherichia coli001 $col/100 mL$ Fecal Coliform001 mg/L Hardness as CaCO3001 mg/L Lead, Toral001 mg/L Icad, Toral001 mg/L Nitrate Nitrogen as N001 mg/L Nitrite Nitrogen as N001 mg/L Oil & Grease001 mg/L Oil & Grease001 mg/L Phosphorus001 mg/L Phosphorus001 mg/L Residual Chlorine, Total001 mg/L Residual Chlorine, Total001 mg/L Specific Conductance001 mg/L Surfactants	Each Sample	001	col/100 ml	Enterococci		30
001 $col/100 \text{ mL}$ Fecal Coliform001 mg/L Hardness as CaCO3001 \mug/L Lead, Total001 mg/L Nitrate Nitrogen as N001 mg/L Nitrite Nitrogen as N001 mg/L Oil & Grease001 $s.u.$ pH 001 mg/L Phosphorus001 mg/L Residual Chlorine, Total001 pg/L Residual Chlorine, Total001 mg/L Specific Conductance001 mg/L Strateme	Each Sample	001	col/100ml	Escherichia coli		70
001 mg/L Hardness as CaCO3001 $\mu g/L$ Lead, Total5001 mg/L Nitrate Nitrogen as N5001 mg/L Nitrite Nitrogen as N6001 mg/L Nitrite Nitrogen as N6001 mg/L Oil & Grease9001 $s.u.$ pH 9001 mg/L Residual Chlorine, Total20001 $\mu g/L$ Residual Chlorine, Total20001 mg/L Specific Conductance00001 mg/L Surfactants20	Each Sample	001	col/100 mL	Fecal Coliform		50
001 $\mu g/L$ Lead, Total5001 mg/L Nitrate Nitrogen as N5001 mg/L Nitrite Nitrogen as N6001 mg/L Nitrite Nitrogen as N6001 mg/L Oil & Grease6001 $s.u.$ pH 9001 mg/L Phosphorus20001 $\mu g/L$ Residual Chlorine, Total20001 mg/L Specific Conductance20001 mg/L Stratants20	Each Sample	001	mg/L	Hardness as CaCO3		73.4
001mg/LNitrate Nitrogen as N001mg/LNitrite Nitrogen as N001mg/LNitrite Nitrogen as N001mg/LOil & Grease001s.u.pH001mg/LPhosphorus001µg/LResidual Chlorine, Total20001µmhosSpecific Conductance20001mg/LSurfactants20	Each Sample	001	µg/L	Lead, Total	5	<2
001mg/LNitrite Nitrogen as N001mg/LOil & Grease001s.u.pH001mg/LPhosphorus001µg/LResidual Chlorine, Total20001µmhosSpecific Conductance001mg/LSurfactants	Each Sample	001	mg/L	Nitrate Nitrogen as N		0.14
001mg/LOil & Grease001s.u.pH001mg/LPhosphorus001µg/LResidual Chlorine, Total20001µmhosSpecific Conductance20001mg/LSurfactants20	Each Sample	001	mg/L	Nitrite Nitrogen as N		< 0.01
001s.u.pH001mg/LPhosphorus001μg/LResidual Chlorine, Total20001μmhosSpecific Conductance001mg/LSurfactants	Each Sample	001	mg/L	Oil & Grease		< 1.5
001mg/LPhosphorus001μg/LResidual Chlorine, Total20001μmhosSpecific Conductance20001mg/LSurfactants	Each Sample	100	s.u.	Hq		7.11
001μg/LResidual Chlorine, Total20001μmhosSpecific Conductance001mg/LSurfactants	Each Sample	001	mg/L	Phosphorus		0.05
001 μmhos Specific Conductance 001 mg/L Surfactants	Each Sample	001	µg/L	Residual Chlorine, Total	20	NA
001 mg/L Surfactants	Each Sample	001	μmhos	Specific Conductance		352
	Each Sample	100	mg/L	Surfactants		< 0.05

Atmr2001

Aquatic Toxicity Monitoring Report - PART 3

RESULT	24.33	.62	< 1.5	5.5	2
MINIMUM LEVEL		0	Ū		10
PARAMETER	Temperature	Total Kjeldahl Nitrogen	Total Petroleum Hydrocarbons	T otal Suspended Solids	Zinc, Total
UNITS	U	mg/L	mg/L	mg/L	µg/L
MONLOC	100	100	001	001	001
FREQUENCY	Each Sample	Each Sample	Each Sample	Each Sample	Each Sample

Atmr2001

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: Town of Stamford MS4	PIPE: CT0030279 DSN-002
RECEIVING WATER: East Branch Mianus River	WATERBODY ID: 7406

TOXICITY LIMIT: CTC = NA	$LC_{50} \ge$	ALT NA
--------------------------	---------------	--------

SAMPLE INFORMATION

Sample Type	Composite		Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	т _о 7/22/2014	
Collection Times (am/pm)	From:1145am	To: 1200pm	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:NA	To:NA
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official:	ERNIE	ORGERA		hecto	r of operations
Signature:	te	h	_ Date:	2/5	2014

Facility Name:	To	wn of Sta	mford MS4 NP	DES ID:CT0	030279 DSN-002	
Dilution Water:	<u></u>				Hardness/Salinity:	
Sample Collected On:	NA	(date)	Received On:	(date)		
Test Species: <u>Daphnia p</u>	ulex	Source:	Age:			
Test Duration: <u>48 hours</u>	, Beginr	ning:((am/pm) On:	(date)		

Effluent Dilution	Numl	per of Orga Surviving		Dis	solved Ox (mg/L)	ygen	Т	emperatu (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B											1	1
6.25% C												1
6.25% D												
12.5% A			1									
12.5% B												
12.5% C												
12.5% D												
25% A									1.22			
25% B									1		1	
25% C	· · · · · · · ·											
25% D												
50% A												
50% B												
50% C									1 1			
50% D												
100% A						1						
100% B				- 11								
100% C											1	
100% D						-						
NR% A						1						
NR% B												
NR% C												
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
LC50		95% Coi	nf. Interval		NOAE	EL	CONT SURVIV		1	2	3	4

	REFER	RENCE TOXICANT RESUL	.15	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMMENTS Daphnia pulex	
Laboratory Name:		

		0.000.000		
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC

		<u>COMMENTS</u>		
Per permit requirements, aquatic 1	oxicity monitoring	g performed annually c	luring summer wet m	onitoring event.
Laboratory Name:				

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-002
Receiving Water:	East Branch Mianus River	Waterbody ID:7406
Sample Collection Dat	e(s): 7/22/14	
Sample Collection Tirr	e: FROM: <u>11:45am</u> (AM/PM) TO:	12:00pm (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity	У	
TRC		

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity	-				
Alkalinity					
Hardness / Sali	nity				
TRC	_				

0% Test Sample (Control)

Parameter	100-4	Daphni	ia pulex		
	Hours	Initial (00)	, Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity			· · · · · · · · ·		
Hardness / Sa	linity				
TRC			(

Laboratory Name:	Facility: Town of Stamford MS4 Address: Office of Operations	S4	Exp: 6/3/2018 Contact: Tyler Theder Town: Stamford		Phone ¹ : Phone ² : Zip:	(203)977-5281 06XXX
	Phoenix F	Invirionmental I	Phoenix Envirionmental Laboratories, Inc.			
Sample Date: 7/22/14 WET -FALL	4		Sample Day s Flow: NA	3	'ET-SPRING	WET-SPRING WET-SUM DRY-SUM
				REPEA'	REPEAT MONTH:	
FREQUENCY	DSN#	SLIND	PARAMETER	MINIMUM LEVEL		RESULT
Each Sample	002	mg/L	Ammonia Nitrogen as N		0.12	
Each Sample	002	mg/1	Biochemical Oxygen Demand		< 4.0	0
Each Sample	002	mg/L	Chemical Oxygen Demand		11	
Each Sample	002	mg/L	Chlorides		59.7	
Each Sample	002	µg/L	Copper, Total	5	<5	
Each Sample	002	mg/L	Dissolved Oxygen		7.43	
Each Sample	002	col/100 ml	Enterococci		650	
Each Sample	002	col/100ml	Escherichia coli		100	
Each Sample	002	col/100 mL	Fecal Coliform		50	
Each Sample	002	mg/L	Hardness as CaCO3		59.9	
Each Sample	002	µg/L	Lead, Total	Ŋ	<2	
Each Sample	002	mg/L	Nitrate Nitrogen as N		0.56	
Each Sample	002	mg/L	Nitrite Nitrogen as N		< 0.01	01
Each Sample	002	mg/L	Oil & Grease		< 1.4	4
Each Sample	002	s.u.	Н		7.87	
Each Sample	002	mg/L	Phosphorus		0.07	
Each Sample	002	µg/L	Residual Chlorine, Total	20	NA	
Each Sample	002	pumhos	Specific Conductance		308	
Each Sample	002	mg/L	Surfactants		< 0.05	D5
Each Sample	002	C	Temperature		20.66	6

Atmr2001

Aquatic Toxicity Monitoring Report - PART 3

RESULT	0.65 < 1.4 < 5.0 <2
MINIMUM LEVEL	10
PARAMETER	Total Kjeldahl Nitrogen Total Petroleum Hydrocarbons Total Suspended Solids Zinc, Total
UNITS	mg/L mg/L µg/L
MONLOC	002 002 002 002
FREQUENCY	Each Sample Each Sample Each Sample Each Sample

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-003		
RECEIVING WATER: Mill River	WATERBODY ID: 7404		

TOXICITY LIMIT: CTC = NA	$LC_{50} \ge$	ALT NA
--------------------------	---------------	--------

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	То: 7/22/2014	
Collection Times (am/pm)	From: 12:45 pm	To:1:00 pm	
Total Flow (sample day)	NA	A gpd	gpd

TOXICITY TEST SUMMARY

Daphnia pulex	
%	%
%	%
%	%
%	%
	% %

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ELNIE SKGERA	Title: DIRECTOR OF OPERATIONS
Signature:	Date: 9/5/2014

Facility Name:	To	wn of Sta	mford MS4 NPD	DES ID:CT0	030279_DSN-003	
Dilution Water:					Hardness/Salinity:	
Sample Collected On: _	NA	(date)	Received On:	(date)		
Test Species: <u>Daphnia p</u>		Source:				
Test Duration: <u>48 hours</u>	s, Begini	ning:(am/pm) On:	(date)		

Effluent Dilution	Numl	ber of Org Surviving		Diss	solved Ox (mg/L)	ygen	Т	emperatu (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A						_		1		1		
6.25% B												
6.25% C												
6.25% D									1			
12.5% A												
12.5% B												
12.5% C												
12.5% D										-		
25% A		-										
25% B												
25% C												
25% D												
50% A												1
50% B												
50% C	i			I								
50% D									_		-	
100% A												1
100% B		1	1			1.1						
100% C				1								
100% D												
NR% A								1				
NR% B												
NR% C												
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3						-						
CONTROL 4				1, 11								
LC50		95% Co	nf. Interv	al	NOAE	EL	CON SURVI		1	2	3	4

SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
---------	------	--------------------	--------	------------------

	COMMENTS Daphnia pulex	
Laboratory Name:		

And Street Review Control		REFERENCE		
SPECIES	DATE		SOURCE	LC
		TOXICANT		

	<u>COMMENTS</u>	
Per permit requirements, aquatic toxicity mon	itoring performed annually during summer wet monitori	ng ayang
Per permit requirements, aquatic toxicity mon	itoring performed annually during summer wet monitori	ng event.
Laboratory Name:		

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-003
Receiving Water:	Mill River	Waterbody ID:7404
Sample Collection Dat	e(s): 7/22/14	
Sample Collection Tim	ne: FROM: <u>12:45 pm</u> (AM/PM) To	D: <u>1:00 pm</u> (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity	Y	
TRC		

100% Test Sample

Parameter		Daphni	a pulex		
Mail and	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	inity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sa	alinity				
TRC					

Laboratory Name: Phoenix Environmental Laboratories, Inc. Sample Date: 7/22/14 Sample I FALL Sample I 7/22/14 Sample I FALL FREQUENCY DSN# UNITS PARA Each Sample 003 mg/L Amm Each Sample 003 mg/L Chem Each Sample 003 mg/L Nitrit Each Sample 003 <td< th=""><th>00302/9, DSN-003 Exp: 6/3/2018 Town of Stamford MS4 Contact: Tyler Theder Office of Operations 888 Washington Boulevard Town:</th><th>D D</th><th>Phone²: Stamford Zip:</th><th>10690</th></td<>	00302/9, DSN-003 Exp: 6/3/2018 Town of Stamford MS4 Contact: Tyler Theder Office of Operations 888 Washington Boulevard Town:	D D	Phone ² : Stamford Zip:	10690
7/22/14 ¬7/22/14 Sample O03 Sample Sample <t< th=""><th>tal Laboratories, Inc.</th><th></th><th></th><th>1</th></t<>	tal Laboratories, Inc.			1
FREQUENCYDSN#Each Sample003Each Sample003	Sample Day s Flow: NA	WET	WET-SPRING WET-SUM DRY-SUM	SUM -WET
Y DSN# 003 003 003 003 003 003 003 00		REPEAT MONTH:	ONTH:	
00 00 00 00 00 00 00 00 00 00 00 00 00	JNITS PARAMETER	MINIMUM LEVEL	EL RESULT	
00 00 00 00 00 00 00 00 00 00 00 00 00	ng/L Ammonia Nitrogen as N		0.12	
00 00 00 00 00 00 00 00 00 00 00 00 00			< 4.0	
00 00 00 00 00 00 00 00 00 00 00 00 00			< 10	
00 00 00 00 00 00 00 00 00 00 00 00 00			42.9	
003 003 003 003 003 003 003 003 003 003	ig/L Copper, Total	5	5	
003 003 003 003 003 003 003 003 003 003	ng/L Dissolved Oxygen		6.69	
003 003 003 003 003 003 003 003 003 003	col/100 ml Enterococci		30	
00 00 00 00 00 00 00 00 00 00 00 00 00	col/100ml Escherichia coli		<10	
003 003 003 003 003 003 003 003 003 003	col/100 mL Fecal Coliform		10	
003 003 003 003 003 003 003 003 003 003	ng/L Hardness as CaCO3		68.7	
003 003 003 003 003 003 003 003 003 003	ıg/L Lead, Total	5	<2	
003 003 003 003 003	ng/L Nitrate Nitrogen as N		0.07	
003 003 003 003 003	ng/L Nitrite Nitrogen as N		< 0.01	
003 003 003 003	ng/L Oil & Grease		< 1.4	
003 003 003	.u. pH		7.32	
003 003 003	ng/L Phosphorus		0.04	
003	ig/L Residual Chlorine, Total	20	NA	
003	umhos Specific Conductance		265	
122	mg/L Surfactants		< 0.05	

Atmr2001

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
ų ع	003	U	Temperature		19.52
Each Sample	003	mg/L	Toral Kjeldahl Nitrogen		0.55
a)	003	mg/L	Total Petroleum Hydrocarbons		< 1.4
e	003	mg/L	Total Suspended Solids		< 5.0
e	003	µg/L	Zine, Total	10	<2

Atmr2001

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PIPE: CT0030279 DSN-004
WATERBODY ID: 7403

$LC_{50} \ge$	ALT NA
	$LC_{50} \ge$

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	To: 7/22/2014	
Collection Times (am/pm)	From: 12:56 pm	To:1:11 pm	
Total Flow (sample day)	NA	A gpd	gpd

TOXICITY TEST SUMMARY

From:	To:
Daphnia pulex	
%	%
%	%
%	%
%	%
	Daphnia pulex % %

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ERNIE ORGERA	
IN	_
Signature:	

Title:	DIRECTOR	ar	OPERATIONS	
Date:	9/5/20	24		

Facility Name: <u>Town of Stamford MS4</u> N	VPDES ID:CT0030279 DSN-004
Dilution Water:	Hardness/Salinity:
Sample Collected On: <u>NA</u> (date) Received On	: (date)
Test Species: <u>Daphnia pulex</u> Source: Age	e:
Test Duration: <u>48 hours</u> , Beginning: <u>(am/pm)</u> On:	(date)

Effluent Dilution	Num	ber of Org Surviving		Dissolved Oxygen (mg/L)		ygen	Т	emperatur (°C)	·e		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A										1		11
12.5% B												
12.5% C												
12.5% D						1						
25% A	-											
25% B												
25% C												
25% D												
50% A		1										
50% B				ī.								
50% C												
50% D		1										
100% A												
100% B												
100% C												
100% D		11										
NR% A												
NR% B												
NR% C												
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4	<u></u>											
LC50		95% Co	onf. Interva		NOAE	EL	CON SURVI		1	2	3	4

	REFEI	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMME.	NTS Daphni	a pulex		
Laboratory Name:					

		REFERENCE		
SPECIES	DATE		SOURCE	LC ₅
		TOXICANT		

	COMMENTS	
Per permit requirements, aquatic toxicity monitorin	ng performed annually during summer wet	monitoring event.
Laboratory Name:		

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-004
Receiving Water:	Noroton River	Waterbody ID:7403
Sample Collection Date(s): 7/22/14	
	FROM: 12:56 pm (AM/PM) TO: 1:11 pm	(AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinit	y	
TRC		

100% Test Sample

Parameter		Daphnia pulex			
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	linity				
TRC					

0% Test Sample (Control)

Parameter		Daphnia pulex			
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sa	linity				
TRC					

		of Operations 8	1 own of Stamford MIS4 Office of Operations 888 Washington Boulevard	Contact: Tyler Theder oulevard Town:	Phone ² : Stamford	Phone ² : Stamford Zip:	06901
iboratory	Laboratory Name: P	hoenix Environ	Phoenix Environmental Laboratories, Inc.	es, Inc.			
Sample Date: WET -FALI	: 7/22/14	4	10	Sample Day s Flow: NA	WET-SPRING REPEAT MONTH:	WET-SPRING WET-SUM <u>DRY-SUM</u> AT MONTH:	WNS-
FRI	FREQUENCY	PSN#	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	RESULT	
Eac	Each Sample	004	mg/L	Ammonia Nitrogen as N		0.23	
Eac	Each Sample	004	mg/1	Biochemical Oxygen Demand		< 4.0	
Eac	Each Sample	004	mg/L	Chemical Oxygen Demand		< 10	
Eac	Each Sample	004	mg/L	Chlorides		113	
Eac	Each Sample	004	µg/L	Copper, Total	2	<5	
Eac	Each Sample	004	mg/L	Dissolved Oxygen		6.75	
Eac	Each Sample	004	col/100 ml	Enterococci		80	
Eac	Each Sample	004	col/100ml	Escherichia coli		520	
Eac	Each Sample	004	col/100 mL	Fecal Coliform		970	
Eac	Each Sample	004	mg/L	Hardness as CaCO3		119	
Eac	Each Sample	004	µg/L	Lead, Total	5	<2	
Eac	Each Sample	004	mg/L	Nitrate Nitrogen as N		1.09	
Eac	Each Sample	004	mg/L	Nitrite Nitrogen as N		0.02	
Eac	Each Sample	004	mg/L	Oil & Grease		< 1.4	
Eac	Each Sample	004	s.u.	Hd		7.62	
Eac	Each Sample	004	mg/L	Phosphorus		0.08	
Eac	Each Sample	004	µg/L	Residual Chlorine, Total	20	NA	
Eac	Each Sample	004	hmhos	Specific Conductance		549	

Aquatic Toxicity Monitoring Report - PART 3

PARAMETER MINIMUM LEVEL RESULT	Temperature 23.33	Total Kjeldahl Nitrogen 0.76	Total Petroleum Hydrocarbons < 1.4	T otal Suspended Solids < 5.0	Zinc, Total 10 6
UNITS	U	mg/L	mg/L	mg/L	µg/L
MONLOC	004	004	004	004	004
FREQUENCY	Each Sample	Each Sample	Each Sample	Each Sample	Each Sample

Aquatic Toxicity Monitoring Report - PART 3

RESULT	
MINIMUM LEVEL	
PARAMETER	
UNITS	
MONLOC	
FREQUENCY	

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-005
RECEIVING WATER: <u>Rippowam River</u>	WATERBODY ID: 7405

TOXICITY LIMIT:	CTC = NA	LC ₅₀ ≥	ALT NA
-----------------	----------	--------------------	--------

SAMPLE INFORMATION

Sample Type	Ca	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	To: 7/22/2014	
Collection Times (am/pm)	From: 11:32 am	To: 11:47 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	To:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ERNIE ORGERA	Title: DIRECTOR OF ODERATIONS
Signature:	Date: 9/5/2014

Facility Name: <u>Town of Stamford MS4</u> NPDES ID:CT	0030279_DSN-005
Dilution Water:	Hardness/Salinity:
Sample Collected On: <u>NA</u> (date) Received On: (date)	
Test Species: <u>Daphnia pulex</u> Source: Age:	
Test Duration: <u>48 hours</u> , Beginning: <u>(am/pm)</u> On: <u>(date</u>	1

Effluent Dilution	Num	ber of Org Surviving		Diss	olved Ox (mg/L)	ygen	Т	'emperatu (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B					1.000							
6.25% C												-
6.25% D		2										
12.5% A												
12.5% B							1.					
12.5% C												
12.5% D					1							
25% A	2	-	-									
25% B	h											1
25% C												
25% D	11											
50% A												
50% B												-
50% C												
50% D								·		1.000	1.87	
100% A												
100% B	12 - 2 									1		
100% C												
100% D										1111		
NR% A										1111		
NR% B									1			
NR% C			[]				1		1.000			
NR% D					in the second							
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
LC50		95% Co	nf. Interv	val	NOAE	EL	CON SURVIV		1	2	3	4

	REFEF	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMMENTS Daphnia pulex	
Laboratory Name:		

SPECI	ES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅

COMMENTS	
Per permit requirements, aquatic toxicity monitoring performed annually during summer wet monitoring event.	
Laboratory Name:	

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-005
Receiving Water:	Rippowam River	Waterbody ID:7405
Sample Collection Date(s):	7/22/14	
Sample Collection Time: F	ROM: <u>11:32 am</u> (AM/PM) TO: <u>1</u>	1:47 am (AM/PM)

Effluent Sample at Arrival

Parameter	1.1.1	Effluent Sample
	Time	
Temperature		1
pН		
Alkalinity		
Conductivity		
Hardness/Salinity	7	
TRC		

100% Test Sample

Parameter	Sec. 201	Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sali	inity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity	-				
Alkalinity					
Hardness / Sa	linity	A			
TRC					

NPDES Permit:CT0030279, DSN-005 Facility: Town of Stamford N	T0030279, Town of S	0030279, DSN-005 Town of Stamford MS4	4	Exp: 6/3/2018 Contact: Tyler Theder	łer	Phone ¹ : Phone ² :	(203)977-5281	
Address:	Office of (Operations 88	Office of Operations 888 Washington Boulevard	oulevard Town:		Stamford	Zip:	06901
Laboratory Name:		enix Environt	Phoenix Environmental Labs, Inc.			111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 () 111 (
Sample Date: 7 WET -FALL	7/22/14		S	Sample Day s Flow: NA		WET-SPRING	WET-SPRING WET-SUM DRY-SUM	Y-SUM
						REPEAT MONTH:		
FREQUENCY		#NSO	SLIND	PARAMETER	A	MINIMUM LEVEL	RESULT	
Each Sample		005	mg/L	Ammonia Nitrogen as N		0	0.11	
Each Sample		005	mg/l	Biochemical Oxygen Demand	d	v	< 4.0	
Each Sample	nple	005	mg/L	Chemical Oxygen Demand		1	13	
Each Sample		005	mg/L	Chlorides		-	129	
Each Sample		005	µg/L	Copper, Total	5		² 5	
Each Sample		005	mg/L	Dissolved Oxygen		9	5.75	
Each Sample		005	col/100 ml	Enterococci		9	09	
Each Sample		005	col/100ml	Escherichia coli		3	00	
Each Sample		005	col/100 mL	Fecal Coliform		8	880	
Each Sample		005	mg/L	Hardness as CaCO3		1	.05	
Each Sample		005	µg/L	Lead, Total	4)	2	<2	
Each Sample		005	mg/L	Nitrate Nitrogen as N		0	0.78	
Each Sample		005	mg/L	Nitrite Nitrogen as N		V	< 0.01	
Each Sample		005	mg/L	Oil & Grease		V	< 1.4	
Each Sample		005	s.u.	PH		2	7.53	
Each Sample		005	mg/L	Phosphorus		0	0.06	
Each Sample		005	µg/L	Residual Chlorine, Total		20 P	NA	
Each Sample		005	pmhos	Specific Conductance		5	532	
Each Sample		005	mg/L	Surfactants		0	0.12	

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	UNITS	PARAMETER		KESULI
ample	005	U	Temperature		26.98
ample	005	mg/L	Toral Kjeldahl Nitrogen		0.64
ample	005	mg/L	Total Petroleum Hydrocarbons		< 1.4
ample	005	mg/L	Total Suspended Solids		< 5.0
Each Sample	005	µg/L	Zinc, Total	10	4

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: Town	n of Stamford MS4	PIPE: CT00302	79 DSN-006
RECEIVING WATER: R	ppowam River	WATERBODY I	D: <u>7405</u>

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	То: 7/22/2014	
Collection Times (am/pm)	From: 12:55 pm	To: 1:10 pm	
Total Flow (sample day)	NA	s gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	To:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ERNIE ORGERA	Title: DIRECTOR OF OPERATIONS
Signature:	Date: 9/5/2014

Facility Name: Town of Stamford MS4	NPI	DES ID:CT	0030279 DSN-006	
Dilution Water:			Hardness/Salinity:	
Sample Collected On: <u>NA</u> (date)	Received On:	(date)		
Test Species: <u>Daphnia pulex</u> Source:	Age:			
Test Duration: <u>48 hours</u> , Beginning:	(am/pm) On:	(date)		

Effluent Dilution	Numb	per of Orga Surviving		Diss	olved Ox (mg/L)	ygen	Т	'emperatur (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												-
6.25% B												-
6.25% C												
6.25% D												
12.5% A												
12.5% B					1			1				
12.5% C	1											
12.5% D												
25% A										·		
25% B												
25% C												
25% D				1								
50% A												
50% B						1						
50% C												
50% D												
100% A						1		7				1
100% B										1.		1.00
100% C									-		- 1 - A -	
100% D							1				100.00	
NR% A								1				
NR% B												
NR% C												
NR% D												
CONTROL 1											1	
CONTROL 2												
CONTROL 3							1					
CONTROL 4												
LC50		95% Coi	nf. Interval		NOAE	L	CON'I SURVIV		1	2	3	4

	REFEI	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMMENTS Daphnia pulex	
Laboratory Name:		

SPECIES	DATE	REFERENCE	SOURCE	LC
0. 20.20	DATE	TOXICANT	BOOKEL	

	COMMENTS	
Per permit requirements, aquatic toxicity moni	nitoring performed annually during summer wet monitoring event.	
Laboratory Name:		

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-006
Receiving Water:	Rippowam River	Waterbody ID:7405
Sample Collection Dat	e(s): 7/22/14	
Sample Collection Tim	ne: FROM: <u>12:55 pm</u> (AM/PM) TO:	1:10 pm (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pH		
Alkalinity		
Conductivity		
Hardness/Salinity	7	
TRC		

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	inity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sa	linity				
TRC					

Laboratory Name: Ph Sample Date: 7/22/14 WET -FALL	hoenix Environ		Office of Operations and Washington boulevard 1 own:		Stamford	Zip: 06901
		Phoenix Environmental Laboratories, Inc.	ies, Inc.			
	4		Sample Day s Flow: NA	IM	3T-SPRING	WET-SPRING WET-SUM DRY-SUM
				REPEAT	REPEAT MONTH:	
FREQUENCY	#NSQ	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL		RESULT
Each Sample	006	mg/L	Ammonia Nitrogen as N		0.13	3
Each Sample	900	mg/l	Biochemical Oxygen Demand		< 4.0	1.0
Each Sample	006	mg/L	Chemical Oxygen Demand		< 10	10
Each Sample	900	mg/L	Chlorides		117	7
Each Sample	006	µg/L	Copper, Total	5	<5	
Each Sample	006	mg/L	Dissolved Oxygen		7.80	0
Each Sample	006	col/100 ml	Enterococci		17(0
Each Sample	006	col/100ml	Escherichia coli		480	C
Each Sample	006	col/100 mL	Fecal Coliform		1,390	06
Each Sample	900	mg/L	Hardness as CaCO3		100	0
Each Sample	900	µg/L	Lead, Total	5	<2	
Each Sample	006	mg/L	Nitrate Nitrogen as N		0.85	5
Each Sample	900	mg/L	Nitrite Nitrogen as N		< 0	< 0.01
Each Sample	900	mg/L	Oil & Grease		< 1.4	1.4
Each Sample	006	s.u.	Hq		7.60	0
Each Sample	900	mg/L	Phosphorus		0.06	9
Each Sample	900	µg/L	Residual Chlorine, Total	20	NA	F
Each Sample	900	umhos	Specific Conductance		506	22
Each Sample	900	mg/L	Surfactants		< 0	< 0.05

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
Each Sample	900	U	Temperature		26.60
ach Sample	900	mg/L	Total Kjeldahl Nitrogen		0.64
ach Sample	006	mg/L	Total Petroleum Hydrocarbons		< 1.4
ach Sample	900	mg/L	Total Suspended Solids		< 5.0
ach Sample	900	µg/L	Zinc, Total	10	<2

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: Town of Stamford MS4	PIPE: CT0030279 DSN-007
RECEIVING WATER: Rippowam River	WATERBODY ID: 7405

 $LC_{50} \ge$

ALT NA

CTC = NA

SAMPLE INFORMATION

TOXICITY LIMIT:

Sample Type	C	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	То: 7/22/2014	
Collection Times (am/pm)	From: 1:45 pm	To:2:00 pm	
Total Flow (sample day)	N	A gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	То:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT	OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ERNIE ORGERA	Title: DIRECTOR OF OPERATIONS
Signature:	Date: 9/5/2014

Facility Name: Town of Stamford MS4 NPDES ID:CT003027	79_DSN-007
Dilution Water:	Hardness/Salinity:
Sample Collected On: <u>NA</u> (date) Received On: (date)	
Test Species: Daphnia pulex Source: Age:	
Test Duration: <u>48 hours</u> , Beginning: <u>(am/pm)</u> On: <u>(date</u>)	

Effluent Dilution	Numb	per of Org Surviving		Diss	solved Ox (mg/L)	ygen	Т	emperatur (°C)	e		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B												
6.25% C												
6.25% D	12			-								
12.5% A		Î î î î î								i i i		1
12.5% B										1		1
12.5% C								1				
12.5% D												-
25% A												1
25% B				-								
25% C												
25% D												
50% A										1		
50% B											1	
50% C												
50% D									1			
100% A												
100% B												
100% C	•											
100% D					1							
NR% A												
NR% B												
NR% C												
NR% D												
CONTROL 1												_
CONTROL 2												
CONTROL 3		1										
CONTROL 4		67.22										
LC50		95% Co	onf. Interva		NOAI	EL	CON SURVI		1	2	3	4

REFERENCE TOXICANT RESULTS							
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀			
Daphnia pulex							

aboratory Name:	

		and the second second	1. 1	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC_{50}

	COMMENTS	
Per permit requirements, aqı	aatic toxicity monitoring performed annually during summer w	vet monitoring event.
Laboratory Name:		

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-007
Receiving Water:	Rippowam River	Waterbody ID:7405
Sample Collection Date	e(s): 7/22/14	
Sample Collection Tim	e: FROM: <u>1:45 pm</u> (AM/PM) TO:	_2:00 pm_(AM/PM)

Effluent Sample at Arrival

Parameter	2 I	Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity		
TRC		

100% Test Sample

Parameter	neter Daphnia pulex				
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	inity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		(
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sa	linity	ñ			
TRC					

Laboratory Name:

Address: Office Laboratory Name: I	Office of Operations 888	Office of Operations 888 Washingron Boulevard	oulevard Town:	Stamford		
					Zip:	06901
	əhoenix Environ	Phoeníx Environmental Laboratories, Inc.	ies, Inc.			
Sample Date: 7/22/14 WET -FALL		01	Sample Day s Flow: NA	WET-SPRING	WET-SPRING WET-SUM DRY-SUM	Y-SUM
FREQUENCY	#NSQ	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	RESULT	
Each Sample	200	mg/L	Ammonia Nitrogen as N	0	0.1	
Each Sample	200	mg/l	Biochemical Oxygen Demand	V	< 4.0	
Each Sample	200	mg/L	Chemical Oxygen Demand	1	11	
Each Sample	200	mg/L	Chlorides	6	99.4	
Each Sample	200	µg/L	Copper, Total	5	5	
Each Sample	007	mg/L	Dissolved Oxygen	7.	.46	
Each Sample	007	col/100 ml	Enterococci	6	0	
Each Sample	200	col/100ml	Escherichia coli	1	170	
Each Sample	007	col/100 mL	Fecal Coliform	.0.	20	
Each Sample	007	mg/L	Hardness as CaCO3	õ	8.1	
Each Sample	200	µg/L	Lead, Total	5	<2	
Each Sample	007	mg/L	Nitrate Nitrogen as N	0	0.71	
Each Sample	007	mg/L	Nitrite Nitrogen as N	V	: 0.01	
Each Sample	007	mg/L	Oil & Grease	V	< 1.4	
Each Sample	200	s.u.	Hd	7.	7.72	
Each Sample	200	mg/L	Phosphorus	0.	0.06	
Each Sample	007	µg/L	Residual Chlorine, Total	20 N	NA	
Each Sample	200	ymhos	Specific Conductance	4:	452	
Each Sample	007	mg/L	Surfactants	0	0.05	
A STREET AND	100	1,0,1		ί.	1	

Aquatic Toxicity Monitoring Report - PART 3

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STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PIPE: CT0030279 DSN-008
WATERBODY ID: <u>7000-42</u>

 $LC_{50} \ge$

ALT NA

CTC = NA

SAMPLE INFORMATION

TOXICITY LIMIT:

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	To: 7/22/2014	
Collection Times (am/pm)	From: 11:37 am	To: 11:52 am	
Total Flow (sample day)	NA	. gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	To:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ELNIE ONGERA Authorized Official:	Title: DIRECTOR OF OPERATIONS	ø
Signature:	- Date: 9/5/204	

Facility Name: <u>Town of Stamford MS4</u> NPDI	ES ID;CT0030279 DSN-008
Dilution Water:	Hardness/Salinity:
Sample Collected On: <u>NA</u> (date) Received (Dn:(date)
Test Species: <u>Daphnia pulex</u> Source: A	ge:
Test Duration: <u>48 hours</u> , Beginning: <u>(am/pm)</u> Or	n:(date)

Effluent Dilution		er of Org Surviving		Diss	solved Ox (mg/L)	ygen	Т	'emperatu (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B												
6.25% C		5		1								
6.25% D												
12.5% A											1	
12.5% B												
12.5% C												
12.5% D												
25% A									1			
25% B												1
25% C												1
25% D												
50% A											1	
50% B												
50% C												
50% D												1
100% A					100.00							
100% B					1							
100% C												
100% D				[
NR% A						<u> </u>						
NR% B												
NR% C												
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4				_				· .				
LC50		95% Coi	nf. Interval		NOAE	EL	CON'I SURVIV		1	2	3	4

apparea		RENCE TOXICANT RESUL		
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀

	COMMENTS Daphnia pulex	
aboratory Name:		

		DEEDENICE		
SPECIES	DATE	REFERENCE	SOURCE	LC ₅
		TOXICANT	0001100	205

		<u>COMMENTS</u>		
Per permit requirements, aquatic toxi	ity monitoring perfo	ormed annually during sur	nmer wet monitoring event.	
Laboratory Name:				

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-00
Receiving Water:	Trib to Stamford Harbor	Waterbody ID:7000-42
Sample Collection Dat	e(s): 7/22/14	
Sample Collection Tin	ne: FROM: <u>11:37 am</u> (AM/PM) TO: <u>11:52 an</u>	<u>n</u> (AM/PM)

Effluent Sample at Arrival

Parameter	1.0	Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity	,	
TRC		

100% Test Sample

Parameter		Daphni	a pulex	1	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity				11	
Hardness / Sali	inity				
TRC	1.1				

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity			· · · · · · · · · · · · · · · · · · ·		Г.,
Hardness / Sa	linity				
TRC					

NPDES Permit:CT0030279, DSN-008 Facility: Town of Stamford N Address: Office of Operations	0030279, DSN-008 Town of Stamford MS4 Office of Operations 888 Washington Boulevard	4 8 Washington E	Exp: 6/3/2018 Contact: Tyler Theder oulevard Town:		Phone ¹ : Phone ² : Stamford	(203)977-5281 Zip:	5281 06901
Laboratory Name:	Phoenix Environmental Labs, Inc.	nental Labs, Inc.					
Sample Date: 7/22/14 FALL	4	51	Sample Day s Flow: NA	Π	SPRING	SPRING WET- SUM	DRY-SUMDRY
				REPEA	REPEAT MONTH:		
FREQUENCY	DSN#	STINU	PARAMETER	MINIMUM LEVEL	EVEL	RESULT	
Each Sample	008	mg/L	Ammonia Nitrogen as N		1	1.05	
Each Sample	008	mg/l	Biochemical Oxygen Demand		V	< 4.0	
Each Sample	008	mg/L	Chemical Oxygen Demand		ŝ	37	
Each Sample	008	mg/L	Chlorides		1	1,010	
Each Sample	008	µg/L	Copper, Total	2	V	<5	
Each Sample	008	mg/L	Dissolved Oxygen		7	.66	
Each Sample	008	col/100 ml	Enterococci		2	50	
Each Sample	008	col/100ml	Escherichia coli		~	>600	
Each Sample	008	col/100 mL	Fecal Coliform		~	>2000	
Each Sample	008	mg/L	Hardness as CaCO3		4	421	
Each Sample	008	µg/L	Lead, Total	5	V	2	
Each Sample	008	mg/L	Nitrate Nitrogen as N		1	.97	
Each Sample	008	mg/L	Nitrite Nitrogen as N		0	0.07	
Each Sample	008	mg/L	Oil & Grease		V	< 1.4	
Each Sample	008	s.u.	PH		2	.33	
Each Sample	008	mg/L	Phosphorus		0	.08	
Each Sample	008	µg/L	Residual Chlorine, Total	20	4	NA	
Each Sample	008	punhos	Specific Conductance		ŝ	,723	
Each Sample	008	mg/L	Surfactants		0	0.07	

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
le	008	U	Temperature		29.48
Each Sample	008	mg/L	Total Kjeldahl Nitrogen		4.56
e	008	mg/L	Total Petroleum Hydrocarbons		< 1.4
le	008	mg/L	Total Suspended Solids		< 5.0
e	008	hg/L	Zinc, Total	10	ŝ

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: <u>CT0030279 DSN-009</u>
RECEIVING WATER: Westcott Cove	WATERBODY ID: 7000-38

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
	010-111	1050 -	TIDI I'UI

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	To: 7/22/2014	
Collection Times (am/pm)	From: 12:14 pm	To: 12:29 pm	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	То:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		
· · · · · · · · · · · · · · · · · · ·		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ERNIE ORGERA	Title: DIRECTOR OF OPERATIONS
Signature:	Date: 9/5/2014

Facility Name: Town of Stamford MS4 NPDES ID:CT003027	9 DSN-009
Dilution Water:	Hardness/Salinity:
Sample Collected On: <u>NA</u> (date) Received On: (date)	
Test Species: <i>Daphnia pulex</i> Source: Age:	
Test Duration: <u>48 hours</u> , Beginning: <u>(am/pm)</u> On: <u>(date)</u>	

Effluent Dilution	Num	ber of Org Surviving		Dis	solved Ox (mg/L)	ygen	Т	emperatu (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A					[]							
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C	1											
12.5% D			1									
25% A												
25% B												
25% C		1	1									
25% D								1				
50% A	_								-			
50% B												
50% C				-								
50% D												
100% A										<		
100% B				-								
100% C												
100% D						1						
NR% A	-											
NR% B												
NR% C	1											
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4											1	
LC50		95% Co	nf. Interval		NOAE	L	CON'I SURVIV		1	2	3	4

	REFER	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
phnia pulex				

	COMMENTS Daphnia pulex	
Laboratory Name:		

SPECIES	DATE	REFERENCE	SOURCE	LC
		TOXICANT		

	COM	<u>AMENTS</u>	
Per permit requirement.	s, aquatic toxicity monitoring performed and	nually during summer wet monitoring event.	
Laboratory Name:			

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-009
Receiving Water:	Westcott Cove	Waterbody ID:7000-38
Sample Collection Date	e(s): 7/22/14	
Sample Collection Tim	е: FROM: <u>12:14 pm</u> (АМ/РМ) ТО	: <u>12:29 pm</u> (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinit	У	
TRC		

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	inity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sa	linity				
TRC			211		

	or Operations	Office of Operations 888 Washington Boulevard	boulevard Town:	Stamford	Phone ² : Stamford Zip: 06901
Laboratory Name: F	^D hoenix Enviro	Phoenix Environmental Laboratories, Inc.	ies, Inc.		
Sample Date: 7/22/14 WET -FALL	14	51	Sample Day s Flow{ NA	WET-SPF	WET-SPRING WET-SUM DRY-SUM
				REPEAT MONTH:	TH:
FREQUENCY	DSN#	SLIND	PARAMETER	MINIMUM LEVEL	RESULT
Each Sample	600	mg/L	Ammonia Nitrogen as N		0.38
Each Sample	600	mg/l	Biochemical Oxygen Demand		< 4.0
Each Sample	600	mg/L	Chemical Oxygen Demand		74
Each Sample	600	mg/L	Chlorides		3,180
Each Sample	600	µg/L	Copper, Total	5	<5
Each Sample	600	mg/L	Dissolved Oxygen		5.52
Each Sample	600	col/100 ml	Enterococci		830
Each Sample	600	col/100ml	Escherichia coli		>600
Each Sample	600	col/100 mL	Fecal Coliform		>2000
Each Sample	600	mg/L	Hardness as CaCO3		1,100
Each Sample	600	µg/L	Lead, Total	5	<2
Each Sample	600	mg/L	Nitrate Nitrogen as N		1.77
Each Sample	600	mg/L	Nitrite Nitrogen as N		0.06
Each Sample	600	mg/L	Oil & Grease		< 1.4
Each Sample	600	s.u.	Hd		7.25
Each Sample	600	mg/L	Phosphorus		0.18
Each Sample	600	µg/L	Residual Chlorine, Total	20	NA
Each Sample	600	umhos	Specific Conductance		10.156

Aquatic Toxicity Monitoring Report - PART 3

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town</u> RECEIVING WATER: <u>G</u>		PIPE: CT0030279 DSN-010 WATERBODY ID: 7000-44	
TOXICITY LIMIT:	CTC = NA	LC ₅₀ ≥	ALT NA

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/22/2014	To: 7/22/2014	
Collection Times (am/pm)	From: 1214 pm	To: 12:29 pm	
Total Flow (sample day)	NA	s gpd	gpd

TOXICITY TEST SUMMARY

Daphnia pulex	
%	%
%	%
%	%
%	%
	% %

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ERNIE ORGERA	Title: DIRECTOR of OPENATIONS
Signature:	Date: 9/5/2014

Facility Name: <u>Town of Stamford MS4</u>	NPDES ID:CT0030279	DSN-010
Dilution Water:		_Hardness/Salinity:
Sample Collected On: <u>NA</u> (date)	Received On:(date)	
Test Species: <u>Daphnia pulex</u> Source: _	Age:	
Test Duration: <u>48 hours</u> , Beginning: <u>(a</u>	m/pm) On: <u>(date)</u>	

Effluent Dilution	Numl	per of Orga Surviving	r of Organisms Dissolved Oxygen urviving (mg/L)		Т	emperatu (°C)	re	pH (su)				
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A	1											
6.25% B												
6.25% C												2
6.25% D												
12.5% A												
12.5% B												
12.5% C									· · · · ·			
12.5% D												
25% A												
25% B												
25% C			1 h									
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B										1		
100% C												
100% D												
NR% A						T						
NR% B												
NR% C												
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
LC50		95% Co	nf. Interval		NOAE	L	CONT SURVIV		1	2	3	4

	REFEI	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
phnia pulex				

	COMMENTS Daphnia pulex	
		141
Laboratory Name:		

SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC
---------	------	-----------------------	--------	----

	<u>COMM</u>	<u>IENTS</u>	
Per permit requirements, aquatic toxi	city monitoring performed annua	lly during summer wet mor	itoring event.
Laboratory Name:			

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-010
Receiving Water:	Greenwich Cove	Waterbody ID:7000-44
Sample Collection Date(s): 7/22/14	
Sample Collection Time	: FROM: <u>1214 pm</u> (AM/PM) TO:	12:29 pm (AM/PM)

Effluent Sample at Arrival

Parameter	1. A. A.	Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity	7	
TRC		

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sali	nity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					_
Hardness / S	alinity				
TRC					

Address: Office Laboratory Name: 1	Office of Operations 888 Phoenix Environm	Office of Operations 888 Washington Boulevard	oulevard Town:	Frione : Stamford	
1.1	⁹ hoenix Enviro				rd Zip: 06901
		Phoenix Environmental Laboratories, Inc.	es, Inc.		
Sample Date: 7/22/14 WET -FALL	[4	01	Sample Day s Flow: NA	WET-SPR	WET-SPRING WET-SUM DRY-SUM
				REPEAT MONTH:	Η
FREQUENCY	DSN#	STINU	PARAMETER	MINIMUM LEVEL	RESULT
Each Sample	010	mg/L	Ammonia Nitrogen as N		0.13
Each Sample	010	mg/l	Biochemical Oxygen Demand		< 4.0
Each Sample	010	mg/L	Chemical Oxygen Demand		11
Each Sample	010	mg/L	Chlorides		171
Each Sample	010	µg/L	Copper, Total	5	<5
Each Sample	010	mg/L	Dissolved Oxygen		7.11
Each Sample	010	col/100 ml	Enterococci		110
Each Sample	010	col/100ml	Escherichia coli		430
Each Sample	010	col/100 mL	Fecal Coliform		>2000
Each Sample	010	mg/L	Hardness as CaCO3		177
Each Sample	010	µg/L	Lead, Total	5	<2
Each Sample	010	mg/L	Nitrate Nitrogen as N		0.8
Each Sample	010	mg/L	Nitrite Nitrogen as N		< 0.01
Each Sample	010	mg/L	Oil & Grease		< 1.4
Each Sample	010	s.u.	ЬН		7.59
Each Sample	010	mg/L	Phosphorus		0.12
Rach Cample	010	ug/L	Residual Chlorine, Total	20	NA
raun vampic	OTO	ò			4 + + +
Each Sample	010	punhos	Specific Conductance	2	785

Atmr2001

Aquatic Toxicity Monitoring Report - PART 3

RESULT	28.56	0.55	< 1.4	< 5.0	6
MINIMUM LEVEL					10
PARAMETER	Temperature	Total Kjeldahl Nitrogen	Total Petroleum Hydrocarbons	Total Suspended Solids	Zine, Total
UNITS	U	mg/L	mg/L	mg/L	µg/L
MONLOC	010	010	010	010	010
FREQUENCY	Each Sample	Each Sample	Each Sample	Each Sample	Each Sample

DRY INSTREAM SAMPLING EVENT

7/31/14

Client/Project Name: City of Stamford MS4	Location:	Stamford,CT	Project:	# 105	-26
Sample #: 20146731	-01		Location:	155 -	-01
Event Type (circle type): Spring	Summer F	all	Wet	Dry	
Location Data					
Sample Location:					
Sample Data					
Date: <u>7-31-14</u>	unen <u>Clood y 8</u>	<u>2:00</u>	-	Container List. I L Amber	H2SO4
Sampler: <u>JMS</u> We	ener <u>~0061 4 1</u>	<u>703</u>	2	500 ml plastic	H2SO4
			Ţ	250 ml plastic	HNO3
				1,000 ml plastic 100 ml plastic	As-is sterile
		Note: 1 additiona	I 1000 ml As-is for Aq Tox		ents ONLY
Field Parameters					
pH (S.U.) 7.96					
Temperature (o C) 5.56	~clear,	Calorkas	Downde		
Dissolved Oxygen (mg/L)	Ζ	3			
Spec. Conductivity (µmhos/cm)					

	lomments	
Erosion or Scour on Streambanks:	Clady water NO Erosion	
	_	
Sedimentation in Streams (sandbars or deltas	NoNE	

Client/Project Name: City of Stamford MS4	Location	n: Stamford,CT	Project:	# 105-26
Sample #: 20140731-(52		Location:	155-02
Event Type (circle type): Spring	Summer	Fall	Wet	Dry
Location Data				
0 11 .				

Sample Location:

Sample Data

ite:	7-3-14		Time:	10:62		Container List.	
mpler:	Jms	Weather:	Sonny	803	2	1 L Amber	H2SO4
					1	500 ml plastic	H2SO4
					1	250 ml plastic	HNO3
					1	1,000 ml plastic	As-ls
					3	100 ml plastic	srerile

Field Parameters

рН (S.U.) 77	Sample Appearance/Description:
Temperature (o C)	
Dissolved Oxygen (mg/L)	8 - Clear, Colortes, no even
Spec. Conductivity (µmhos/cm)	

	Lommenss
Erosion or Scour on Streambanks:	NONE
	None
Sedimentation in Streams (sandbars or deltas	

Client/Project Name: City of Stamford MS4	Locatio	n: Stamford,CT	Project:	# 105-26
Sample #: 2014073) ~(25		Location:	155-03
Event Type (circle type): Spring	(Summer)	Fall	Wet	Dry
Location Data	\bigcirc			
Sample Location:				

Sample Data

tei mpler:	5m3	Time: Weather: Sonny	<u>-11:40</u> 80's	2	Container List: 1 L Amber	H2SO4
				1	500 mI plastic	H2SO4
				1	250 ml plastic	HNØ3
				1	1,000 ml plastic	As-is
				3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7.74	Sample Appearance/Description:
Temperature (o C)	1663	
Dissolved Oxygen (mg/L)	627	Citar, colories, no oden
Spec. Conductivity (µmhos/cm)	222	

Erosion or Scour on Streambanks:	Comments NSNE	
Sedimentation in Streams (sandbars or deltas	NONE	

Client/Project Name: City of Stamford MS4	Locatic	on: Stamford,CT	Project:	# 105-26
Sample #: 20140731-04			Location:	1884
Event Type (circle type): Spring	Summer	Fall	Wet	(Dr)
Location Data	\smile			
Sample Location: Brookside Drive instream sampling locs	ntion 4			

Sample Data

npler:	PJM	Weather: <u>SUNN</u>	180'5	2	I L Amber	H2SO4
				1	500 ml plastic	H2SO4
				1	250 ml plastic	HN03
				1	1,000 ml plastic	Ås-ls
				3	100 ml plastic	sterile

Field Parameters

рН (S.U.) 7, 🖉 Т	Salopie Appearance/Description:
Temperature (o C) 21,22	clear/color less/noodor
Diaborrou Christian Line Galas	
Spec. Conductivity (µmhos/cm) 518	

	omments
Erosion or Scour on Streambanks:	
	n in hP
Sedimentation in Streams (sandbars or deltas	

Event Type (circle type): Spring (Summer) Fall Wet (Dry)	-

Sample Data

atei mpler:	PSM	Weather: SWW	WW 1805		2	I L Amber	H2SØ4
5			** / * *		1	500 ml plastic	H2SO4
					Ţ	250 ml plastic	HNO3
					1	1,000 ml plastic	A:s-is
					c,	100 ml plastic	sterile

Field Parameters

pH(S.U.)	8,03	Sample Appearance/I	Description:	/	.,	4.1	1.7
Temperature (o C)	21.88	slighth	cloudy/na	oder/V,	sible	suspended	Solids - Q Q C
Dissolved Oxygen (mg/L)	0,14		1				
Spec. Conductivity (µmhos/cm)	572						

Erosion or Scour on Streambanks:	ainments None	
Sedimentation in Streams (sandbars or deltas	r One	

Client/Project Nam			Locatio	n: Stamford.CT	Project: Location:	# 105-26 [
Sample #: Event Type (cir		Spring	Summer	Fall	Wet	
Location Data	the type,	opring				
	cold spi	ig Roal	Bridge over	Rippowing River		

Sample Data

lice:	7-31-14		🖌 Tun				<u>Container Listi</u>	
umpler:	EAA	Weather	Jummy	70's	<u> </u>	2	1 L Anber	H2SO4
						1	500 ml plasec	H2SO4
						1	250 ml plastic	HNO3
						1	1,000 ml plastic	As-is
						3	100 mL plastic	scerile

Field Parameters

pH (S.U.)	7.90	Sample Appearance/Description:
Temperature (o C)	22.82	- Clear, colorles, no oder
Dissolved Oxygen (mg/L)	G.SZ	1 CONTINUE, 120 BUEF
Spec, Conductivity (µmhos/cm)	522	

	6 · · ·	
Erosion or Scour on Streambanks	- Minor trasson of sincur bushs du.	
	Seasonal flouting	~ y.
	Scasonal flouling	

Client/Project Name: City of Stamford MS4	Location:	Stamford,CT	Project:	# 105-26
Sample #: 20140731 -07			Location:	155-07
Event Type (circle type): Spring	Summer Fall	V	Wet (Dry)
Location Data				
Sample Location:				

Sample Data

)ate:	7-31-14	Time: <u>12,38</u>		Container List:	
ampler:	Jung	Weather: <u>Sunny 80's</u>	2	1 L Amber	H2SO4
		Υ.	1	500 ml plastic	H2SO4
			1	250 ml plastic	HNO3
				1,000 ml plastic	As-is
			3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7,84	Sample Appearance/Description:
Temperature (o C)	2326	class / c harlour la la d' roks + a años
Dissolved Oxygen (mg/L)	6.96	CRATCONTRESS / Studenty Three y over
Spec. Conductivity (µmhos/cm)	485	

Erosion or Scour on Streambanks:	Comments A 10 N E
Sedimentation in Streams (sandbars or deltas	NONE

Client/Project Name: City of Stamford MS4	Location:	Stamford.CT	Project:	# 105-26
Sample #: 70140731-08			Location:	155-08
Event Type (circle type): Spring (Summer Fall		Wet	Dry
Location Data				•
Sample Location: Shore Rd, South of I	Anis Anten Golf	COURSE ISSOUR		

Sample Data

acet	7.31-14	1	une: <u>7.53</u>	-		Container Lian	
umpler:	EAA	Weather: Sunn	1 703	<u>.</u>		I L Ainber	H2SO4
					Ц	500 ml plastic	H2SO4
					<u>1</u>	250 ml plastic	HNO3
					1	1,000 ml plasme	Asris
					3	100 ml plastic	sterile

Field Parameters

pH(S.U.) 7.7 ¶	Sample Appearance/Description:
Temperature (o C) Z0.97	- Clear, coloritiss, no oder
Dissolved Oxygen (mg/L) 6:37	- · · · · · · · · · · · · · · · · · · ·
Spec. Conductivity (µmhos/cm) 5,464	

	Comments
Erosion or Scour on Streambanks:	- minor crosion die to scosony flouding along
	bends of stram
Sedimentation in Streams (sandbars or deltas	

Client/Project Name: City of Stamford MS4	Locatio	n: Stamford,CT	Project:	# 105-26
Sample #: 20140731-04			Location:	155-9
Event Type (circle type): Spring	(Summer)	Fall	Wet	(Dry)
Location Data	\smile			<u>~</u>
Sample Location: Stream @ intersection instead sample location		wave & Tupper Dolve		

Sample Data

atei <u>7/3(</u>	Tune: <u>1044</u>		Container List:	
mpler: <u>PJP</u>)	Weather: <u>Sunny /891</u>	2	11 Amber	H2SO4
	<i>.</i>	1	500 ml plastic	H2SO4
		1	250 ml plastic	HNO3
		1	1,000 ml plastic	Asuis
		3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	7.38	Sample Appearance/Description:
Temperature (o C)	21,68	c + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +
Dissolved Oxygen (mg/L)	481	slightly cloudy /slight musty odesr
Spec. Conductivity (µmhos/cm)	9013	

Brosion or Scour on Streambanks:	Comments hong
	* 0 mB
Sedimentation in Streams (sandbars or deltas	NO IX

Client/Project Name: City of Stamford	INIS4 Loca	tion: Stamford,CT	Project;	# 105-26
Sample #: Z0140731-	10		Location:	155-10
Event Type (circle type): Sp	ring Summer	Fall	Wet	(DF)
Location Data				
Sample Location: Northwest Co	orner of Russ	Hartman Park	J55.10	

Sample Data

Date:	7.31.14		Ţar	ie: <u>10:3</u>		<u>Container Lise</u>	
ampler:	Ерл	Weather	Sunny	703	2	1 L Amber	H2SO4
			-			500 ml plastic	H2SO4
					1	250 ml plastic	HINO3
					1	1,000 inl plastic	Ås≁is
					3	100 ml plastic	sterile

Field Parameters

рН (S.U.) 8.12	Sample Appearance/Description:
Temperature (o C) ZI-05	
Dissolved Oxygen (mg/L) 667	- Clear, color/cos, no outon
Spec. Conductivity (µmhos/cm) 696	

	- Minar erosin das to scasonis flowling	
Erosion or Scour on Streambanks:	France crossin for to Scasoni, flowly	
	ð	
Sedimentation in Streams (sandbars or deltas		



41 Sequin Drive Glastonbury, CT 06033

September 11, 2014

860.633.8770 860.633.5971 www.anchorengr.com

ŝ,

RECEIVED

SEP i 1 2014

BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE

Ms. Rosemary A. Gatter-Evarts Aquatic Toxicity Division Department of Energy and Environmental Protection 79 Elm Street Hartford, Connecticut 06106-5127

Re: City of Stamford Aquatic Toxicity Monitoring Reports (ATMRs)

Dear Ms. Gattar-Everts:

Anchor Engineering Services, Inc. is pleased to submit the attached ten (10) ATMRs for the City of Stamford NPDES permit No. CT0030279. In-stream monitoring was conducted on July 31, 2014 and satisfies the summer dry weather monitoring for 2014.

Per the NPDES permit requirements, Aquatic Toxicity was not performed; it is required annually during the summer wet monitoring event only.

If you have any questions or comments regarding the attached, please do not hesitate to contact me at (860)633-8770.

Sincerely,

Ena. Que

Eric A. Andruk Environmental Scientist

matt and

D. Scott Atkin, LEP Principal

cc:

Tyler Theder, City of Stamford Christopher Stone, P.E.; DEEP (letter only)

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: Town of Stamford MS4	PIPE: <u>CT0030279 DSN-001</u>
RECEIVING WATER: Mianus River	WATERBODY ID: 7407

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
101100	the second s		

SAMPLE INFORMATION

Sample Type	C	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/31/2014	To: 7/31/2014	
Collection Times (am/pm)	From:9:45 am	To:10:00 am	
Total Flow (sample day)	NA	gpd	gp

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From: NA	To: NA
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

violations.	ERNIE ORGERA	
Authorized Offici		
Signature:	1 m	

Title: DIRECTOR OF OPERATIONS Date: 9/572014

(date)

NPDES ID:CT0030279 DSN-001

Hardness/Salinity:

NA (date) Received On:

Sample Collected On:_

Facility Name: Town of Stamford MS4

Dilution Water:

DSD1		107 %56	nf. Interv	Ie	NOVE		VIVAUS CONT		I	7	£	4
+ JOATROL 4		0 1020	15					100				
E JOHLNO												
2 JOATROL 2												
I JOATROL I												
NK%D										<u>, </u>		
NK%C												
NB%B							1					
AR%A												
100% D												
100% C												
100% B			1									
¥ %001												
20% D												
D %05												
8 %05											11.1	
¥ %05												
72% D												
25% C												
55% B												
¥ %52												
12.5% D												
12.5%C												
12.5% B												
A %2.21												
ۥ25% D			_					1				
⊃%52.8												
8 %52.9												
¥ %52.∂	-											
Hour	00	54	84	00	54	84	00	54	84	00	54	84
filuent Dilution	quinN	er of Org gniviviu2	susiue	Di	(J\Zm)	ບຈສີ.	T	emperatu) (D°)	ə.		(ns) Hd	

				and the basis of the
ΓC	SOURCE	REFERENCE TOXICANT	DYLE	SPECIES

xəluq nindqn				
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	rC ²⁰

-				
x	əlua pindap(I STNAMKUTS I	00	

Laboratory Name:

ΓC ²⁰	SOURCE	LOXICVAL KEEEKENCE	DATE	SPECIES
		XICANT RESULTS	KEFERENCE TO	

COMMENTS

.Jnsva Per permit requirements, aquatic toxicity monitoring performed annually during summer wet monitoring

	Laboratory Name:

SUPPLEMENTAL CHEMISTRY - PART 2S

Sample Collection Time: FR	КОМ: <mark>9:45 ат</mark> (ms 00:01 :OT (Mq\MA)	(Mq/MA)_
Sample Collection Date(s):	41/18/2		
Receiving Water:	Mianus River		Waterbody ID:7407
Facility Name:	Town of Stamford	V 75W Pro	NPDES ID:CT0030279 DSN-001

Effluent Sample at Arrival

TRC		
Hardness/Salinity		
Conductivity	1	
Alkalinity		
Hq		
Temperature		
	əmiT	
Parameter	1	Effluent Sample

100% Test Sample

TRC					
ulardness / Salin	ity				
Alkalinity					
Conductivity					A
	Hours	Initial (00)	Final (48)	Initial (00)	(84) leniA
Parameter		Indpha	xəlnd v		

0% Test Sample (Control)

LKC					
ileS \ seanbreH	nity			· · · · · ·	
Alkalinity					
Conductivity		a second second			-
	Hours	(00) IsitinI	(84) leni 3	Initial (00)	(84) leniA
Parameter		Daphn	xəınd v		

Sample Date: WET -FALL Facility: NPDES Permit:CT0030279, DSN-001 Laboratory Name: Address: Each Sample FREQUENCY Office of Operations 888 Washington Boulevard Town of Stamford MS4 7/31/14 Phoenix Environmental Laboratories, Inc. 001 001 001 001 001 001 001 001 001 001 001 001 001 001 DSN# 001 001 001 001 001 mg/L mg/L mg/L mg/L μg/L $\mu g/L$ mg/L µmhos µg/L s.u. mg/L mg/L mg/L mg/L col/100 mL col/100ml col/100 ml mg/L UNITS mg/l Sample Day s Flow: NA Surfactants pН Specific Conductance Phosphorus Oil & Grease Residual Chlorine, Total Nitrite Nitrogen as N Nitrare Nitrogen as N Fecal Coliform Lead, Total Hardness as CaCO3 Enterococci Dissolved Oxygen Escherichia coli Copper, Total Chlorides Chemical Oxygen Demand **Biochemical Oxygen Demand** Ammonia Nitrogen as N PARAMETER Exp: Contact: Tyler Theder Town: 6/3/2018 20 J J MINIMUM LEVEL REPEAT MONTH: WET-SPRING WET-SUM DRY-SUM Phone²: Phone¹: Stamford < 0.05 249 NA 6.87 90 120 100 67.2 <2 0.08 0.08 0.08 0.08 7.96 0.04 Ś 52.9 0.09 <10 < 4.0 RESULT Zip: (203)977-5281 06901

Atmr2001

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY MONLOC	UNITS	PARAMETER	MINIMUM LEVEL
ch Sample 001	0	Temperature	
Each Sample 001	mg/L	Total Kjeldahl Nitrogen	
ch Sample 001	mg/L	Total Petroleum Hydrocarbons	
ch Sample 001	mg/L	Toral Suspended Solids	
ch Sample 001	µg/L	Zinc, Total	10

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-002
RECEIVING WATER: East Branch Mianus River	WATERBODY ID: 7406

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA	
-----------------	----------	---------------	--------	--

SAMPLE INFORMATION

Sample Type	C	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/31/2014	т _о 7/31/2014	
Collection Times (am/pm)	From:10:37 am	To: 10:52 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:NA	To:NA
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: ERNIE ORGERA	Title: DIRECTOR OF OPERATIONS
Signature:	Date: 9/5/2014

Facility Name:	To	wn of Sta	mford MS4 NPE	DES ID:CT0	030279 DSN-002	
Dilution Water:					Hardness/Salinity:	
Sample Collected On:	NA	(date)	Received On:	(date)		
Test Species: Daphnia p	ulex	Source:	Age:			
Test Duration: <u>48 hours</u>	, Begini	ning:((am/pm) On:	(date)		

Effluent Dilution	Numb	per of Org Surviving	anisms	Diss	olved Ox (mg/L)	ygen	Т	emperatu (°C)	:e		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B												
6.25% C		1										
6.25% D												
12.5% A												
12.5% B						1						
12.5% C					1.	1.						
12.5% D												
25% A	-					1						
25% B												
25% C											1.12-44	
25% D												
50% A							1					
50% B												
50% C	10.11											
50% D										1		
100% A												
100% B												
100% C												
100% D									1.000			
NR% A				1.0.1								
NR% B												
NR% C												
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3				1								
CONTROL 4				1					_			
LC50		95% Co	onf. Interv	val	NOAI	EL	CON' SURVI	ГROL VAL (%)	1	2	3	4

ATE REFERENCE TOXICANT SOURCE LC ₅₀	REFERENCE TOXICANT	DATE	SPECIES

	COMMENTS Daphnia pulex
Per permit requirements, aquat monitoring event.	ic toxicity monitoring performed annually during summer wet
Laboratory Name:	

		DEEDENIGE		
SPECIES	DATE	REFERENCE	SOURCE	LC
		TOXICANT	500102	205

	COMMENTS	
Laboratory Name:		

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-002
Receiving Water:	East Branch Mianus River	Waterbody ID:7406
Sample Collection Date	(s): 7/31/14	
Sample Collection Time	: FROM: 10:37 am (AM/PM) TO:	10:52 am (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity	7	
TRC		

100% Test Sample

Parameter	12	Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sali	nity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		
-	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	linity				
TRC		1			

Facility: Town Address: Offic Laboratory Name:	Town of Stamford MS4 Office of Operations	4	Contact: Tyler Theder Town: Stamford		107C-116(CN7) : 2110114
ıry Name:	c of Operations			Ph	Phone ² :
Laboratory Name:				Zip:	: 06901
	Phoenix E	nvironmental L	Phoenix Environmental Laboratories, Inc.		
Sample Date: 7/31/14 WET -FALL	4		Sample Day s Flow: NA	WET-	WET-SPRING WET-SUM DRY-SUM
				REPEAT MONTH:	NTH:
FREQUENCY	DSN#	NITIS	PARAMETER	MINIMUM LEVEL	L RESULT
Each Sample	002	mg/L	Ammonia Nitrogen as N		0.12
Each Sample	002	mg/1	Biochemical Oxygen Demand		< 4.0
Each Sample	002	mg/L	Chemical Oxygen Demand		24
Each Sample	002	mg/L	Chlorides		59.5
Each Sample	002	µg/L	Copper, Total	5	<5
Each Sample	002	mg/L	Dissolved Oxygen		7.58
. Each Sample	002	col/100 ml	Enterococci		290
Each Sample	002	col/100ml	Escherichia coli		10
Each Sample	002	col/100 mL	Fecal Coliform		120
Each Sample	002	mg/L	Hardness as CaCO3		59.8
Each Sample	002	µg/L	Lead, Total	5	<2
Each Sample	002	mg/L	Nitrate Nitrogen as N		0.46
Each Sample	002	mg/L	Nitrite Nitrogen as N		0.45
Each Sample	002	mg/L	Oil & Grease		< 1.4
Each Sample	002	s.u.	Hq		7.78
Each Sample	002	mg/L	Phosphorus		0.04
Each Sample	002	µg/L	Residual Chlorine, Total	20	NA
Each Sample	002	pumhos	Specific Conductance		271
Each Sample	002	mg/L	Surfactants		0.064
		,			

Atmr2001

Aquatic Toxicity Monitoring Report - PART 3

LEVEL RESULT	0.49	< 1.4	< 5.0	<2	
MINIMUM LEVEL				10	
PARAMETER	Total Kjeldahl Nitrogen	Total Petroleum Hydrocarbons	Total Suspended Solids	Zinc, Total	
UNITS	mg/L	mg/L	mg/L	µg/L	
MONLOC	002	002	002	002	
FREQUENCY	Each Sample	Each Sample	Each Sample	Each Sample	

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PE: CT0030279 DSN-003
ATERBODY ID: <u>7404</u>

TOXICITY LIMIT:	CTC = NA	LC ₅₀ ≥	ALT NA
TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/31/2014	To: 7/31/2014	
Collection Times (am/pm)	From: 11:25 am	To:11:40 am	
Total Flow (sample day)	NA	A gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	То:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERNIE ONGERA	Title: DIRECTOR OF OPERATIONS
Authorized Official	Title:
Signature:	Date: 9/572014

Lest Duration: <u>48 hours</u> , I	s, Beginn	:) :Suin	:uO (uud/uut	(date)	
Test Species: <u>Daphnia pulo</u>	xəjn	Source:	:9gA		
Sample Collected On: 1	٧N	(areb)	Received On:	(date)	
Silution Water:					Hardness/Salinity:
acility Name: Town o	neis io t	SM broin	Ŧ	NDDE	S ID:CT0030279 DSN-003

4	٤	7	t	AAL (%) TROL		IT	IAON	r	nf. Interva	10D %26		05DJ
					Í							P TONTROL 4
111												E TONTROL 3
												2 JOATROL 2
	1					-						I JOATROL 1
												NK% D
												NB%C
						11.201						NK%B
			1									NK% Y
												100% D
												100% C
												100% B
												¥ %001
			-									20% D
										1		2 %05
												8 %05
		_										¥ %05
												75% D
			-									25% C
			1									55% B
							-					¥ %57
												12.5% D
												12.5% C
												12.5% B
											-	¥ %5.21
						1.1						0.25% D
											-	0.25% C
			-			-						8 %52.8
												¥ %52.8
87	54	00	81/	54	00	84	54	00	48	54	00	Hour
	(ns) Hd			emperature (°C)	L	uəZ	(XO bəvlo (J\gm)	ssiCl	susiu	ega of Organ Surviving	unN	fluent flution

ΓC ²⁰	SOURCE	<i>KEFERENCE TOXICANT</i>	DATE	SPECIES

		COMMENTS Daphnia pulex		
xəjnd vjuqd				
xəmu vinqu	DATE	KEFERENCE TOXICANT	SOURCE	TC ²⁰

	Γαροτατοτγ Νατης:
	iomold motorodo I
COMMENTS Daphnia pulex	

rC ²⁰	SOURCE	LOXICVNL KELEKENCE	DATE	SPECIES
		XICANT RESULTS	KEFERENCE TO	

COMMENTS

.ansva $^{
m Per}$ er permit requirements, aquatic toxicity monitoring performed annually during summer wet monitoring

Γεροιετοιλ Νειπε:

SUPPLEMENTAL CHEMISTRY - PART 2S

Sample Collection Time: FRC	04:11 :OT (Mq\MA) MO3	(Mq\MA)_ms	
Sample Collection Date(s): 7.	7/31/2014	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Receiving Water: <u>N</u>	Mill River	Waterbody ID:7404	
Facility Name: T	Town of Stamford MS4	NPDES ID;CT0030279	E00-NSQ

Effluent Sample at Arrival

LKC		
Hardness/Salinity		
Conductivity		
Alkalinity		
Hq	1	
Temperature		
	əmiT	
Parameter		Effluent Sample

100% Test Sample

Hardness / Salin	ity				
Alkalinity					-
Conductivity	·				
	Hours	(00) Initial (00)	(84) lsnif	Initial (00)	(84) Inni (48)
Parameter		Daphni	xəjnd v		

0% Test Sample (Control)

TRC			1		
ileS / seanbreH	μιελ				
Alkalinity					
Conductivity	-				
	Hours	(00) laitin	(84) lanif	Initial (00)	(84) lanif
Parameter		indqad	xəjnd v		

NPDES Permit:CT0030279, DSN-003 Facility: Town of Stamford M Address: Office of Operations	0030279, DSN-003 Town of Stamford MS4 Office of Operations 888	0030279, DSN-003 Town of Stamford MS4 Office of Operations 888 Washington Boulevard	Exp: 6/3/2018 Contact: Tyler Theder Boulevard Town:		Phone ¹ : (203)977-5281 Phone ² : Stamford Zip: 06901
Laboratory Name: Ph	oenix Enviro	Phoenix Environmental Laboratories, Inc.	ies, Inc.		
Sample Date: 7/31/14 -FALL			Sample Day s Flow NA	WET	WET-SPRING WET-SUM DRY-SUM -WET
				REPEAT MONTH:	AONTH:
FREQUENCY	DSN#	UNITS	PARAMETER	MINIMUM LEVEL	VEL RESULT
Each Sample					
Each Sample	003	mg/L	Ammonia Nitrogen as N		0.1
Each Sample	003 003	mg/L mg/l	Ammonia Nitrogen as N Biochemical Oxygen Demand		0.1 < 4.0
Each Sample	003 003 003	mg/L mg/l mg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand		0.1 < 4.0 24
Each Sample	003 003 003	mg/L mg/l mg/L mg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides		0.1 < 4.0 24 41.9
Each Sample	003 003 003 003	mg/L mg/l mg/L μg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total	J	0.1 < 4.0 24 41.9 11
100	003 003 003 003	mg/L mg/l mg/L mg/L µg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen	נט	0.1 < 4.0 24 41.9 11 6.27
Each Sample	003 003 003 003 003	mg/L mg/l mg/L mg/L µg/L mg/L col/100 ml	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci	IJ	0.1 < 4.0 24 41.9 11 6.27 50
Each Sample Each Sample	003 003 003 003	mg/L mg/l mg/L mg/L µg/L mg/L col/100 ml col/100ml	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli	יט	0.1 < 4.0 24 41.9 11 6.27 30
Each Sample Each Sample Each Sample	003 003 003 003 003 003	mg/L mg/l mg/L mg/L μg/L ng/L col/100 ml col/100 ml	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform	ν	0.1 < 4.0 24 41.9 11 6.27 50 30 120
Each Sample Each Sample Each Sample Each Sample	003 003 003 003	mg/L mg/l mg/L mg/L µg/L col/100 ml col/100 ml col/100 mL	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3	יט	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8
Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003 003 003	mg/L mg/l mg/L mg/L μg/L col/100 ml col/100 ml col/100 mL mg/L μg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total	רט דט	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8 <2
Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003	mg/L mg/L mg/L mg/L mg/L col/100 ml col/100 ml col/100 mL mg/L µg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total Nitrare Nitrogen as N	ى تى ئى	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8 <2
Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003 003 003	mg/L mg/L mg/L mg/L mg/L col/100 ml col/100 ml col/100 mL mg/L mg/L mg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total Nitrate Nitrogen as N Nitrite Nitrogen as N	עט דט	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8 < 2 0.04
Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003 003	mg/L mg/L mg/L mg/L mg/L col/100 ml col/100 ml col/100 mL mg/L mg/L mg/L mg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total Nitrate Nitrogen as N Nitrite Nitrogen as N	സ	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8 < 2 0.04 < 1.4
Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003 003 003	mg/L mg/L mg/L mg/L mg/L col/100 ml col/100 mL mg/L mg/L mg/L mg/L mg/L s.u.	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total Nitrate Nitrogen as N Nitrite Nitrogen as N Oil & Grease pH	vi vi	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8 < 2 0.04 < 1.4 7.74
Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003 003 003	mg/L mg/L mg/L µg/L ng/L col/100 ml col/100 ml col/100 mL mg/L µg/L mg/L mg/L s.u. mg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total Nitrate Nitrogen as N Nitrite Nitrogen as N Oil & Grease pH Phosphorus	ى بى	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8 < 2 0.04 7.74 7.74
Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003 003 003	mg/L mg/L mg/L mg/L mg/L col/100 ml col/100 ml col/100 mL mg/L mg/L mg/L mg/L mg/L mg/L mg/L s.u. mg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total Nitrate Nitrogen as N Nitrite Nitrogen as N Oil & Grease pH Phosphorus Residual Chlorine, Total	20 აი აი 20	0.1 < 4.0 24 41.9 11 6.27 50 120 64.8 < 2 0.04 < 1.4 7.74 NA
Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample Each Sample	003 003 003 003 003 003 003 003 003 003	mg/L mg/L mg/L µg/L µg/L col/100 ml col/100 ml col/100 mL mg/L µg/L mg/L mg/L s.u. µg/L µg/L µg/L	Ammonia Nitrogen as N Biochemical Oxygen Demand Chlorides Copper, Total Dissolved Oxygen Enterococci Escherichia coli Fecal Coliform Hardness as CaCO3 Lead, Total Nitrate Nitrogen as N Nitrite Nitrogen as N Oil & Grease pH Phosphorus Residual Chlorine, Total Specific Conductance	کی کہ کر 0	0.1 < 4.0 24 41.9 11 6.27 50 30 120 64.8 < 2 0.04 7.74 7.74 0.03 NA

Atmr2001

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3

I

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
Each Sample	003	C	Temperature		16.63
Each Sample	003	mg/L	Total Kjeldahl Nitrogen		0.55
Each Sample	003	mg/L	Total Petroleum Hydrocarbons		< 1.4
Each Sample	003	mg/L	Total Suspended Solids		< 5.0
Each Sample	003	µg/L	Zinc, Total	10	3

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-004	
RECEIVING WATER: Noroton River	WATERBODY ID: 7403	

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
-----------------	----------	---------------	--------

SAMPLE INFORMATION

Sample Type	Co	Composite		
Collection Dates (mm/dd/yy)	From: 7/31/2014	To: 7/31/2014		
Collection Times (am/pm)	From: 11:18 am	To:11:33 am		
Total Flow (sample day)	NA	y gpd	gpd	

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	То:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official:	Title: DIRECTON OF OPERATIONS
Signature:	Date: 9/5-12014

Facility Name: Town of Stamford MS	NPDES ID:CT0030279 DSN-004
Dilution Water:	Hardness/Salinity:
Sample Collected On: NA (date	Received On:(date)
Test Species: <u>Daphnia pulex</u> Sourc	Age:
Test Duration: <u>48 hours</u> , Beginning:	(am/pm) On: (date)

Effluent Dilution	Number of Organisms Dissolved Oxygen Temperature Surviving (mg/L) (°C)				pH (su)							
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C								-				
12.5% D												
25% A						1						
25% B												
25% C												
25% D												
50% A												
50% B												
50% C					11							
50% D									· · · · · · · · · · · · · · · · · · ·		-	
100% A												
100% B												
100% C												
100% D												
NR% A												-
NR% B												
NR% C												
NR% D												
CONTROL 1												
CONTROL 2											T Reserved	
CONTROL 3												
CONTROL 4												
LC50		95% Co	nf. Interval		NOAE	L	CON'I SURVIV		1	2	3	4

	REFEF	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMMENTS Daphnia pulex	
		-
Laboratory Name:		

SPECIES	DATE	REFERENCE	COLIDEE	LC
SPECIES	DATE	TOXICANT	SOURCE	LC ₅

COMMENTS	
Per permit requirements, aquatic toxicity monitoring performed annually during su event.	ımmer wet monitoring
Laboratory Name:	

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-004
Receiving Water:	Noroton River	Waterbody ID:7403
Sample Collection Dat	e(s): 7/31/14	
Sample Collection Tim	e: FROM: <u>11:18 am</u> (AM/PM) TO: <u>11:33 an</u>	n (AM/PM)

Effluent Sample at Arrival

Parameter	the provide states of	Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinit	у	
TRC	1.	

100% Test Sample

Parameter	6 m m	Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sali	nity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sa	alinity				
TRC					

Address: Office	of Operations 8	Office of Operations 888 Washington Boulevard Phoenix Environmental Laboratories, Inc.	oulevard Town: ies, Inc.	Stamford	
		imental Laborator	ies, Inc.		rd Zip: 06901
Laboratory Name: F	^o hoenix Enviro				
Sample Date: 7/31/14 WET -FALL	14		Sample Day s Flow: NA	WET-SPR	WET-SPRING WET-SUM DRY-SUM
FREQUENCY	#NSQ	SLIND	PARAMETER	REPEAT MONTH: MINIMUM LEVEL	H: RESULT
Each Sample	004	mg/L	Ammonia Nitrogen as N		0.07
Each Sample	004	mg/l	Biochemical Oxygen Demand		< 4.0
Each Sample	004	mg/L	Chemical Oxygen Demand		19
Each Sample	004	mg/L	Chlorides		124
Each Sample	004	µg/L	Copper, Total	5	<5
Each Sample	004	mg/L	Dissolved Oxygen		6.09
Each Sample	004	col/100 ml	Enterococci		120
Each Sample	004	col/100ml	Escherichia coli		370
Each Sample	004	col/100 mL	Fecal Coliform		840
Each Sample	004	mg/L	Hardness as CaCO3		121
Each Sample	004	µg/L	Lead, Total	Ś	<2
Each Sample	004	mg/L	Nitrate Nitrogen as N		1.18
Each Sample	004	mg/L	Nitrite Nitrogen as N		1.19
Each Sample	004	mg/L	Oil & Grease		< 1.4
Each Sample	004	s.u.	Hd		7.64
Each Sample	004	mg/L	Phosphorus		0.06
Each Sample	004	µg/L	Residual Chlorine, Total	20	NA
Each Sample	004	pumbos	Specific Conductance		518

Atmr2001

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
ach Sample	004	U	Temperature		21.22
Each Sample	004	mg/L	Total Kjeldahl Nitrogen		0.54
Each Sample	004	mg/L	Total Petroleum Hydrocarbons		< 1.4
ach Sample	004	mg/L	Total Suspended Solids		< 5.0
ach Sample	004	µg/L	Zinc, Total	10	ŝ

Atmr2001

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-005
RECEIVING WATER: <u>Rippowam River</u>	WATERBODY ID: 7405

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
Contraction of the second second	The summary of the last the summary of		

SAMPLE INFORMATION

Sample Type	C	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/31/2014	To: 7/31/2014	
Collection Times (am/pm)	From: 9:42 am	To: 9:57 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	To:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized (ELNIE	ORGERA	
Authorized (Official:		
	1		
	1		
Signature:	1-11	n	

Title: Din	ector of	OPERATIONS
Date: 9/	15/200	14

	(वय्दर)	:uO (ud/un	e) :Snir	s, Beginn	Test Duration: 48 hours
		:9gA	Source:	xəjn	Test Species: Daphnia p
	(date)	Received On:	(date)	٧N	Sample Collected On:
Hardness/Salinity:				_	Dilution Water:
500-NSQ 643	2020012:0	NPDES IL	ford MS4	mer2 fo	Facility Name: Town

4	٤	7	I			Г	NOAE		if. Interval	™D %56		DSD1
												\$ JONTROL 4
												E JONTROL 3
												2 JONTROL 2
				I								I TONTROL 1
												NB% D
												NB%C
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			1									NB% Y
		7										100% D
												100% C
			1									100% B
												¥ %001
												20% D
												2 %05
			-									8 %05
			j .									₩ %05
										-		72% D
			-									2%5C
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- 11.												¥ %57
												12.5% D
												12.5% C
												12.5% B
											_	12.5% A
												0.25% D
												O %52.6
							-					8 %52.8
			L									¥ %52.8
84	54	00	84	54	00	81⁄2	54	00	81⁄2	54	00	Hour
	(ns) Hd		ə	emperatur (°C)	T	1198/	(XO bəvlo (J\gm)			egaO lo 190 gnivivin2		fluent ilution

ГС	SOURCE	KEFERENCE TOXICANT	DATE	SPECIES

COMMENTS Dapping pulex	

rc	SOURCE	LOXICVNL KEEEKENCE	DATE	SPECIES
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COWWENLS

Per permit requirements, aquatic toxicity monitoring performed annually during summer wet monitoring event.

ιэμοιστοιλ Ναταε:

Laboratory Name:

Atmr2001

SUPPLEMENTAL CHEMISTRY - PART 2S

Sample Collection Time: Fl	FROM: 9:42 am (M9/MA) TO: 9:5	(Mq\MA) mb 7
Sample Collection Date(s):	+T/1E/Z :(
Receiving Water:	Rippowam River	Waterbody ID:7405
Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-005

Effluent Sample at Arrival

LKC		
Hardness/Salinity	1	
Conductivity		
Alkalinity		
Hq		
Temperature	1	
	əmiT	
Parameter	10000	Effluent Sample

100% Test Sample

Parameter	-	Daphn	xəınd v		
	Hours	(00) Initial (00)	(84) laniA	(00) Initial (00)	(84) leniA
ζουφατινίτη					
Alkalinity					
nilsS \ seanbreH	ity				
LKC) · · · · · · · · · · · · · · · · · · ·	

0% Test Sample (Control)

TRC				·	
Hardness / Sali	nicy				
Alkalinity		_			
Conductivity					
	s.moH	(00) laitinI	(84) lanif	Initial (00)	(84) leniA
Parameter		nadpu	xəjnd v		

Doenix Environmental Labs. Inc. Sample Day s Flow NA NP REQUENCY DSN# OMITS PARAMETER REPEA Each Sample 005 mg/L Ammonia Nitrogen as N Each Sample 005 mg/L Chemical Oxygen Demand Each Sample 005 mg/L Chemical Oxygen Demand 5 Each Sample 005 mg/L Chemical Oxygen Demand 5 Each Sample 005 mg/L Cheridas 5 Each Sample 005 mg/L Disolvencei 5 Each Sample 005 mg/L Lada Torel 5 Each Sample 005 mg/L Virtare Nitrogen as N 5 Each Sample 005 mg/L Nitrate Nitrogen as N 5 Each Sample 005 mg/L Ni	NPDES Permit:CT0030279, DSN-005Facility:Town of Stamford NAddress:Office of Operations	'0030279, DSN-005 Town of Stamford MS4 Office of Operations 888	0030279, DSN-005 E Town of Stamford MS4 C Office of Operations 888 Washington Boulevard	Exp: 6/3/2018 Contact: Tyler Theder boulevard. Town:	Phone ¹ : Phone ² : Stamford	: (203)977-5281 ?: rd Zip:
7/31/14Sample Day s FlowNAREPEQUENCYDSN#UNITSPARAMETERREPESample005mg/LAmmonia Nirrogen as NSampleSample005mg/LChemical Oxygen DemandSampleSample005mg/LChemical Oxygen DemandSampleSample005mg/LChoiridesSampleSample005mg/LChoiridesSampleSample005mg/LChoiridesSampleSample005mg/LDisolved OxygenSampleSample005col/100 mlEnterococciSampleSample005mg/LDisolved Oxygen NemandSampleSample005mg/LDisolved OxygenSampleSample005mg/LDisolved Oxygen NemandSampleSample005mg/LDisolved OxygenSampleSample005mg/LNitrate Nitrogen as NSampleSample005mg/LNitrate Nitrogen as NSampleSample005mg/LResidual Chlorine, Total20Sample005 <td< th=""><th></th><th>loenix Enviro:</th><th>nmental Labs, Inc.</th><th></th><th>3</th><th></th></td<>		loenix Enviro:	nmental Labs, Inc.		3	
QUENCY $DSN\#$ UNITSPARAMETERMINSample005mg/LAmmonia Nitrogen as NSample005mg/LBiochemical Oxygen DemandSample005mg/LChernical Oxygen DemandSample005mg/LChernical Oxygen DemandSample005mg/LChernical Oxygen DemandSample005mg/LChernical Oxygen DemandSample005mg/LDissolved OxygenSample005col/100 mlEnterococciSample005mg/LDissolved Oxygen as NSample005mg/LDissolved OxygenSample005mg/LDissolved Oxygen as NSample005mg/LDissolved Oxygen as NSample005mg/LHardness as CaCO3Sample005mg/LVirrare Nitrogen as NSample005mg/LNitrite Nitrogen as NSample005mg/LOil & GreaseSample005mg/LPhosphorusSample005mg/LResidual Chlorine, TotalSample005mg/LResidual Chlorine, TotalSample005mg/LSutfactanteSample005mg/LSutfactante			10		WET-SPR	WET-SPRING WET-SUM DRY-SUM
YDSN#UNITSPARAMETER005 mg/L Ammonia Nirrogen as N005 mg/L Biochemical Oxygen Demand005 mg/L Chemical Oxygen Demand005 mg/L Chlorides005 mg/L Copper, Total005 mg/L Dissolved Oxygen005 ng/L Dissolved Oxygen005 $col/100$ mlEnterococci005 ng/L Hardness as CaCO3005 mg/L Nitrate Nitrogen as N005 mg/L Nitrate Nitrogen as N005 mg/L Oil & Grease005 mg/L Oil & Grease005 mg/L Phosphorus005 \mug/L Residual Chlorine, Total005 \mug/L Specific Conductance005 mg/L Specific Conductance005 mg/L Sutfactants					REPEAT MONTH:	TH:
005 mg/L Ammonia Nirrogen as N005 mg/I Biochemical Oxygen Demand005 mg/L Chemical Oxygen Demand005 \mug/L Copper, Total005 \mug/L Dissolved Oxygen005 $col/100$ mlEnterococci005 $col/100$ mlEnterococci005 $col/100$ mLFecal Coliform005 mg/L Hardness as CaCO3005 mg/L Lead, Total005 mg/L Nitrate Nitrogen as N005 mg/L Oil & Grease005 mg/L Phosphorus005 \mug/L Residual Chlorine, Total005 \mug/L Residual Chlorine, Total005 \mug/L Specific Conductance005 mg/L Specific Conductance005 mg/L Specific Conductance	FREQUENCY	DSN#	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
005 $mg/l.$ Biochemical Oxygen Demand005 $mg/L.$ Chemical Oxygen Demand005 $ng/L.$ Chlorides005 $\mug/L.$ Copper, Toral005 $ng/L.$ Dissolved Oxygen005 $col/100$ mlEnterococci005 $col/100$ ml.Escherichia coli005 $ng/L.$ Hardness as CaCO3005 $ng/L.$ Hardness as CaCO3005 $ng/L.$ Nitrite Nitrogen as N005 $ng/L.$ Nitrite Nitrogen as N005 $mg/L.$ Oil & Grease005 $mg/L.$ Phosphorus005 $\mug/L.$ Phosphorus005 $\mug/L.$ Residual Chlorine, Toral005 $\mug/L.$ Specific Conductance005 $mg/L.$ Surfactants	Each Sample	005	mg/L	Ammonia Nitrogen as N		0.07
005 ng/L Chemical Oxygen Demand005 ng/L Colorides005 $\mu g/L$ Copper, Total005 ng/L Dissolved Oxygen005 $col/100$ mlEnterococci005 $col/100$ mlEscherichia coli005 $col/100$ mlFecal Coliform005 ng/L Hardness as CaCO3005 ng/L Lead, Total005 ng/L Nitrate Nitrogen as N005 ng/L Nitrite Nitrogen as N005 ng/L Oil & Grease005 ng/L Phosphorus005 $\mu g/L$ Residual Chlorine, Total005 $\mu g/L$ Residual Chlorine, Total005 $\mu g/L$ Specific Conductance005 ng/L Stafactants	Each Sample	005	mg/I	Biochemical Oxygen Demand		< 4.0
005 mg/L Chlorides005 \mug/L Copper, Total005 mg/L Dissolved Oxygen005 $col/100 \text{ ml}$ Enterococci005 $col/100 \text{ ml}$ Escherichia coli005 $col/100 \text{ mL}$ Fecal Coliform005 mg/L Hardness as CaCO3005 mg/L Lead, Total005 mg/L Nitrate Nitrogen as N005 mg/L Oil & Grease005 $s.u.$ pH 005 mg/L Phosphorus005 \mug/L Residual Chlorine, Total005 \mug/L Specific Conductance005 mg/L Sutfactants	Each Sample	005	mg/L	Chemical Oxygen Demand		22
005 $\mu g/L$ Copper, Total005 ng/L Dissolved Oxygen005 $col/100 \text{ nnl}$ Enterococci005 $col/100 \text{ nnl}$ Escherichia coli005 $col/100 \text{ nnl}$ Fecal Coliform005 ng/L Hardness as CaCO3005 $\mu g/L$ Lead, Total005 ng/L Nitrate Nitrogen as N005 ng/L Oil & Girease005 $s.u.$ pH 005 $\mu g/L$ Phosphorus005 $\mu g/L$ Residual Chlorine, Total005 $\mu g/L$ Specific Conductance005 ng/L Surfactants	Each Sample	005	mg/L	Chlorides		141
005 ng/L Dissolved Oxygen005 $col/100 \text{ ml}$ Enrerococci005 $col/100 \text{ ml}$ Escherichia coli005 $col/100 \text{ mL}$ Escherichia coli005 ng/L Hardness as CaCO3005 \mug/L Lead, Total005 ng/L Nitrate Nitrogen as N005 ng/L Nitrate Nitrogen as N005 ng/L Oil & Grease005 ng/L Oil & Grease005 \mug/L PH005 \mug/L Residual Chlorine, Total005 \mug/L Specific Conductance005 ng/L Surfactants	Each Sample	005	μg/L	Copper, Total	ъ	<5
005col/100 mlEnterococci005col/100 mlEscherichia coli005col/100 mlFecal Coliform005mg/LHardness as CaCO3005 $\mu g/L$ Lead, Total005mg/LNitrate Nitrogen as N005mg/LOil & Grease005s.u.pH005 $\mu g/L$ Phosphorus005 $\mu g/L$ Residual Chlorine, Total005 $\mu g/L$ Specific Conductance005 $\mu g/L$ Surfactants	Each Sample	005	mg/L	Dissolved Oxygen		0.14
005col/100 mLEscherichia coli005col/100 mLFecal Coliform005mg/LHardness as CaCO3005µg/LLead, Total005mg/LNitrate Nitrogen as N005mg/LNitrite Nitrogen as N005mg/LOil & Grease005s.u.pH005µg/LResidual Chlorine, Total005µg/LSpecific Conductance005µg/LSurfactants	Each Sample	005	col/100 ml	Enterococci		40
005col/100 mLFecal Coliform005mg/LHardness as CaCO3005μg/LLead, Total005mg/LNitrate Nitrogen as N005mg/LNitrite Nitrogen as N005mg/LOil & Grease005s.u.pH005μg/LPhosphorus005μg/LResidual Chlorine, Total005μg/LSpecific Conductance005mg/LSurfactants	Each Sample	005	col/100ml	Escherichia coli		370
005mg/LHardness as CaCO3005μg/LLead, Total005mg/LNitrate Nitrogen as N005mg/LNitrite Nitrogen as N005mg/LOil & Grease005s.u.pH005mg/LPhosphorus005μg/LResidual Chlorine, Total005μg/LSpecific Conductance005mg/LSurfactants	Each Sample	005	col/100 mL	Fecal Coliform		330
005μg/LLead, Total005mg/LNitrate Nitrogen as N005mg/LNitrite Nitrogen as N005mg/LOil & Grease005s.u.pH005mg/LPhosphorus005μg/LResidual Chlorine, Total005μg/LSpecific Conductance005mg/LSurfactants	Each Sample	005	mg/L	Hardness as CaCO3		111
005mg/LNirrare Nirrogen as N005mg/LNirrite Nitrogen as N005mg/LOil & Grease005s.u.pH005mg/LPhosphorus005µg/LResidual Chlorine, Toral005µg/LSpecific Conductance005mg/LSurfactants	Each Sample	005	µg/L	Lead, Total	ъ	<2
005mg/LNitrite Nitrogen as N005mg/LOil & Grease005s.u.pH005mg/LPhosphorus005µg/LResidual Chlorine, Total005µmhosSpecific Conductance005mg/LSurfactants	Each Sample	005	mg/L	Nitrate Nitrogen as N		0.8
005mg/LOil & Grease005s.u.pH005mg/LPhosphorus005μg/LResidual Chlorine, Total005μmhosSpecific Conductance005mg/LSurfactants	Each Sample	005	mg/L	Nitrite Nitrogen as N		0.81
 005 s.u. pH 005 mg/L Phosphorus 005 μg/L Residual Chlorine, Total 005 μmhos Specific Conductance 005 mg/L Surfactants 	Each Sample	005	mg/L	Oil & Grease		< 1.4
005mg/LPhosphorus005μg/LResidual Chlorine, Total005μmhosSpecific Conductance005mg/LSurfactants	Each Sample	005	s.u.	рН		8.03
005 μg/L Residual Chlorine, Total 005 μmhos Specific Conductance 005 mg/L Surfactants	Each Sample	005	mg/L	Phosphorus		0.03
005 µmhos 005 mg/L	Each Sample	005	µg/L	Residual Chlorine, Total	20	NA
005 mg/L	Each Sample	005	μmhos	Specific Conductance		572
	Each Sample	005	mg/L	Surfactants		< 0.05

MINIMUM LEV	Each Sample 005 mg/L Total Suspended Solids	005 mg/L	Each Sample 005 mg/L Total Kjeldahl Nitrogen	005 C	FREQUENCY MONLOC UNITS PARAMETER	
	lds	Irocarbons	gen		MINIMUM LEVEL	

0

RESULT	22.82	0.53	< 1.4	< 5.0	5
MINIMUM LEVEL					10
PARAMETER	T emperature	Total Kjeldahl Nitrogen	Total Petroleum Hydrocarbons	Total Suspended Solids	Zinc, Total
UNITS	U	mg/L	mg/L	mg/L	µg/L
MONLOC	006	900	006	900	006
FREQUENCY	Each Sample	Each Sample	Each Sample	Each Sample	Each Sample

Atmr2001

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Each Sample	Each Sample	Each Sample	Each Sample	Each Sample	FREQUENCY	
007	007	007	007	007	MONLOC	
μg/L	mg/L	mg/L	mg/L	C	UNITS	
Zinc, Total	Total Suspended Solids	Total Petroleum Hydrocarbons	Total Kjeldahl Nitrogen	Temperature	PARAMETER	
10					MINIMUM LEVEL	
<2	< 5.0	< 1.4	0.48	23.26	RESULT	

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STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: Town of Stamford MS4	PIPE: CT0030279 DSN-008
RECEIVING WATER: Trib to Stamford Harbor	WATERBODY ID: 7000-42

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
	and the second sec		

SAMPLE INFORMATION

Sample Type	C	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/31/2014	то: 7/31/2014	
Collection Times (am/pm)	From: 9:38 am	To: 9:53 am	
Total Flow (sample day)	N	A gpd	gpd

TOXICITY TEST SUMMARY

EST DATE (mm/dd/yy)	From:	To:
EST SPECIES	Daphnia pulex	
JRVIVAL IN 100%	%	%
JRVIVAL IN NA (CTC)	%	%
250	%	%
OAEL	%	%
OMPLIANCE (P/F)		-

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. ANTE ORGERA

Authorize	d Offic
	1

Signature:

Title) TECTOR OF OPERATIONS.	6
	9/5/2014	
Date:	115/2019	

Facility Name: Town of Stamford MS4	NPDES ID:CT0030279 DSN-008
Dilution Water:	Hardness/Salinity:
Sample Collected On: <u>NA</u> (date)	Received On:(date)
Test Species: <u>Daphnia pulex</u> Source:	Age:
Test Duration: <u>48 hours</u> , Beginning: <u>(ar</u>	n/pm) On: (date)

Effluent Dilution	Numl	per of Orga Surviving		Diss	olved Ox (mg/L)	ygen	Т	emperatur (°C)	·e		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B												
6.25% C						1						
6.25% D												
12.5% A			-			-	r					
12.5% B												
12.5% C							1					
12.5% D				-			1					
25% A												
25% B							1					
25% C												
25% D												
50% A												
50% B							1					
50% C												
50% D												
100% A							1					
100% B							1					
100% C												
100% D												
NR% A				II								
NR% B												
NR% C												
NR% D				-								
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
LC50		95% Co	onf. Interva	1	NOAI	EL		TROL VAL (%)	1	2	3	4

	REFEF	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMMENTS Daphnia pulex	-
Laboratory Name:		

SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC
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COMMENTS	
Per permit requirements, aquatic toxicity monitoring performed annually during event.	summer wet monitoring
Laboratory Name:	

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-008
Receiving Water:	Trib to Stamford Harbor	Waterbody ID:7000-42
Sample Collection Dat	e(s): 7/31/14	
Sample Collection Tin	ne: FROM: 9:38 am (AM/PM) TO: 9	53 am (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity		
TRC		

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity		2 1			
Hardness / Sali	nity				
TRC	1.00				

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sa	alinity				
TRC					

DRY-SUMDRY 10690 (203)977-5281 SPRING WET- SUM RESULT Zip: >600 >2000 57 1,790 <5 6.37 650 729 <2 1.33 1.36 <1.4 7.79 0.12 0.12 NA < 4.0 0.37 REPEAT MONTH: Stamford Phone¹: Phone²: MINIMUM LEVEL 20 5 5 Tyler Theder Biochemical Oxygen Demand 6/3/2018 Chemical Oxygen Demand Town: Ammonia Nitrogen as N Sample Day s Flow: NA Residual Chlorine, Total Nitrate Nitrogen as N Nitrite Nitrogen as N Specific Conductance Hardness as CaCO3 Dissolved Oxygen Contact: PARAMETER Escherichia coli Fecal Coliform Copper, Total Oil & Grease Enterococci Exp: Phosphorus Lead, Total Surfactants Chlorides Office of Operations 888 Washington Boulevard Hd Phoenix Environmental Labs, Inc. col/100 mL col/100 ml col/100ml STINU mg/L umhos mg/L mg/L mg/L mg/L µg/L mg/L µg/L mg/L mg/L mg/L µg/L mg/L mg/l s.u. Town of Stamford MS4 NPDES Permit:CT0030279, DSN-008 **#NSO** 008 008 008 008 008 008 008 008 008 008 008 008 008 008 008 008 008 008 008 7/31/14 FREQUENCY Each Sample Laboratory Name: Sample Date: Address: Facility:

Atmr2001

FREQUENCY	MONLOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
alqu	008	υ	Temperature		20.97
nple	008	mg/L	Toral Kjeldahl Nitrogen		0.99
nple	008	mg/L	Total Petroleum Hydrocarbons		< 1.4
nple	008	mg/L	Total Suspended Solids		< 5.0
Each Sample	008	µg/L	Zinc, Total	10	5

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PIPE: CT0030279 DSN-009
WATERBODY ID: 7000-38

Construction of the second second second			
TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/31/2014	To: 7/31/2014	
Collection Times (am/pm)	From: 10:29 am	To: 10:44 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	To:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERNIE ORGERA	Title DIRECTOR OF OPERATIONS
Authorized Official:	
Signature:	Date: 9/5/2014

Facility Name: Town of Stamford MS4	NPDES ID:CT0030279	DSN-009
Dilution Water:	Ha	rdness/Salinity:
Sample Collected On: <u>NA</u> (date) Re	eceived On: <u>(date)</u>	
Test Species: <u>Daphnia pulex</u> Source:	Age:	
Test Duration: <u>48 hours</u> , Beginning: <u>(am/</u>	/pm) On:(date)	

Effluent Dilution	Numl	per of Orga Surviving		Diss	olved Ox (mg/L)	ygen	Т	'emperatu (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A		· · · · ·										
6.25% B												
6.25% C												
6.25% D												
12.5% A			1									
12.5% B												
12.5% C												
12.5% D												
25% A												-
25% B												
25% C												
25% D												
50% A				-			1					
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D					1		1			_		
NR% A												
NR% B									1			
NR% C												
NR% D												
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
LC50		95% Co1	nf. Interval		NOAE	L	CON'I SURVIV		1	2	3	4

	REFE	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMMENTS Daphnia pulex	
boratory Name:		

SPECIES	DATE	REFERENCE	SOURCE	IC
DI LCILD	DATE	TOXICANT	SOURCE	LC

	COMMENTS
er permit requirements, aqu vent.	atic toxicity monitoring performed annually during summer wet monitoring
aboratory Name:	

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-009
Receiving Water:	Westcott Cove	Waterbody ID:7000-38
Sample Collection Dat	e(s): 7/31/14	
Sample Collection Tin	ne: FROM: <u>10:29 am</u> (AM/PM) TO	: 10:44 am (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity	7	
TRC		

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	inity				
TRC	1.1				

0% Test Sample (Control)

Parameter		Daphni	a pulex		6
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity	d				
Alkalinity					
Hardness / Sa	linity				
TRC					

Address: Office	Office of Operations 888 Phoenix Environm	Office of Operations 888 Washington Boulevard Phoenix Environmental Laboratories, Inc.	oulevard Town: ies, Inc.	Stamford	
	hoenix Environ	imental Laborator	ies, Inc.		rd Zip: 06901
Sample Dare: 7/31/14 WET -FALL	4		Sample Day s Flow <mark>.</mark> NA	WET-SPI	WET-SPRING WET-SUM DRY-SUM
				REPEAT MONTH:	TH:
FREQUENCY	DSN#	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	RESULT
Each Sample	600	mg/L	Ammonia Nitrogen as N		0.38
Each Sample	600	mg/l	Biochemical Oxygen Demand		< 4.0
Each Sample	600	mg/L	Chemical Oxygen Demand		118
Each Sample	600	mg/L	Chlorides		3,060
Each Sample	600	µg/L	Copper, Total	ſ	<5
Each Sample	600	mg/L	Dissolved Oxygen		4.81
Each Sample	600	col/100 ml	Enterococci		650
Each Sample	600	col/100ml	Escherichia coli		>600
Each Sample	600	col/100 mL	Fecal Coliform		910
Each Sample	600	mg/L	Hardness as CaCO3		1,180
Each Sample	600	µg/L	Lead, Total	5	<2
Each Sample	600	mg/L	Nitrate Nitrogen as N		1.61
Each Sample	600	mg/L	Nitrite Nitrogen as N		1.61
Each Sample	600	mg/L	Oil & Grease		< 1.4
Each Sample	600	s.u.	Hd		7.38
Each Sample	600	mg/L	Phosphorus		0.18
Each Sample	600	µg/L	Residual Chlorine, Total	20	NA
Each Sample	600	hunhos	Specific Conductance		9,023
Each Sample	600	mg/L	Surfactants		0.076

Atmr2001

			PARAWELER		KESULI
h Sample	600	U	Temperature		21.60
Each Sample	600	mg/L	Total Kjeldahl Nitrogen		0.84
h Sample	600	mg/L	Total Petroleum Hydrocarbons		< 1.4
h Sample	600	mg/L	Total Suspended Solids		< 5.0
h Sample	600	µg/L	Zinc, Total	10	11

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PIPE: CT0030279 DSN-010
WATERBODY ID: 7000-44

TOXICITY LIMIT: CTC = NA	$LC_{50} \ge$	ALT NA
--------------------------	---------------	--------

SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 7/31/2014	To: 7/31/2014	
Collection Times (am/pm)	From: 10:17 am	To: 10:32 am	
Total Flow (sample day)	NA	s gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From:	To:
TEST SPECIES	Daphnia pulex	
SURVIVAL IN 100%	%	%
SURVIVAL IN NA (CTC)	%	%
LC50	%	%
NOAEL	%	%
COMPLIANCE (P/F)		

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official:	Title: DIRECTOR OF C	Spacationss
Signature:	- Date: 9/5/2014	

Facility Name: <u>Town of Stamford MS4</u>	NPDES ID:CT0030279 DSN-010
Dilution Water:	Hardness/Salinity:
Sample Collected On: <u>NA</u> (date) Received On	: (date)
Test Species: <i>Daphnia pulex</i> Source: Age:	
Test Duration: <u>48 hours</u> , Beginning: <u>(am/pm)</u> On:	(date)

Effluent Dilution	Numl	per of Org Surviving	anisms ;	Diss	olved Ox (mg/L)	ygen	Т	emperatu (°C)	re		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
6.25% A												
6.25% B								· · · · · · · ·				
6.25% C		-										
6.25% D				1	5		A					
12.5% A					7 =							
12.5% B									1			
12.5% C					1							
12.5% D			1									
25% A	1							1				
25% B												
25% C												
25% D												
50% A	12											
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D				_								
NR% A					-							
NR% B							1	i				
NR% C												
NR% D				1								
CONTROL 1												
CONTROL 2										1		
CONTROL 3	•											
CONTROL 4					374					1		
LC50		95% Co	onf. Interv	val	NOAI	EL	CON SURVI		1	2	3	4

	REFEF	RENCE TOXICANT RESUL	TS	
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
Daphnia pulex				

	COMMENTS Daphnia pulex	
abaratary Nam		
Laboratory Nam		

SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅

<u>COMMENTS</u>
Per permit requirements, aquatic toxicity monitoring performed annually during summer wet monitoring event.
Laboratory Name:

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-010
Receiving Water:	Greenwich Cove	Waterbody ID:7000-44
Sample Collection Dat	e(s): 7/31/14	
Sample Collection Tim	ne: FROM: <u>10:17 am</u> (AM/PM) TO:	10:32 am (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	
Temperature		
pН		
Alkalinity		
Conductivity		
Hardness/Salinity		
TRC	1	

100% Test Sample

Parameter	1.2	Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity			1 m	1	
Hardness / Sal	inity				
TRC					

0% Test Sample (Control)

Parameter		Daphni	a pulex	1	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity					
Alkalinity					
Hardness / Sal	linity				
TRC					

Laboratory Name Placeini Environmental Laboratories, Inc. Sample Dare 7/31/14 Sample Day & Flow NA WET - SPRING WET - SUM MET-SPRING WET - SUM MET-SPRING WET - SUM MET-SUM MET-SUM	ame:	³ hoenix Environn 14 <u>DSN#</u> 010 010	tental Laboratori S <u>UNITS</u> mg/L	ies, Inc. Sample Day s Flow NA PARAMETER Ammonia Nitrogen as N	MINIMUM	RUNG NTH:
7/31/14 Sample Day s Flow: NA 7/31/14 REPE 2UENCY DSN# UNITS PARAMETER 2UENCY DSN# UNITS PARAMETER MINIMUM Sample 010 mg/L Ammonia Nitrogen as N MINIMUM Sample 010 mg/L Ammonia Nitrogen as N MINIMUM Sample 010 mg/L Chenical Oxygen Demand 5 Sample 010 mg/L Chorides 5 Sample 010 mg/L Disolved Oxygen 5 Sample 010 mg/L Disolved Oxygen 5 Sample 010 mg/L Lead, Total 5 Sample 010 mg/L Itartoecci 5 Sample 010 mg/L Nitrite Nitroegen as N 5				sample Day s Flow: NA PARAMETER Ammonia Nitrogen as N	V REPE/	WET-SPRING WET-SUM <u>DRY-SUM</u> AT MONTH:
DSN#UNITSPARAMETERMINIMUMLEVEL010 mg/L Ammonia Nitrogen as N0010 mg/L Ammonia Nitrogen as N0010 mg/L Chemical Oxygen Demand1010 mg/L Chenical Oxygen Demand1010 mg/L Chenical Oxygen Demand1010 mg/L Choirdes5010 mg/L Copper, Total5010 mg/L Dissolved Oxygen5010 mg/L Dissolved Oxygen51010 mg/L Harchness as CaCO35010 mg/L Icad, Total55010 mg/L Icad, Total5010 mg/L Nitrite Nitrogen as N00010 mg/L Nitrite Nitrogen as N00010 mg/L Residual Chorine, Total5010 mg/L Residual Chorine, Total5010 mg/L Residual Chorine, Total200010 mg/L Residual Chorine, Total200010 mg/L Specific Conductance00010 mg/L Staftatats00010 mg/L Staftatats00010 mg/L Staftatats00010 mg/L Staftatatats00		DSN# 010 010	UNITS UNITS	PARAMETER Ammonia Nitrogen as N	MINIMUM	
010 mg/L Ammonia Nitrogen as N010 mg/L Biochemical Oxygen Demand010 mg/L Chemical Oxygen Demand010 mg/L Choirdes010 mg/L Choirdes010 \mug/L Copper, Total010 \mug/L Copper, Total010 mg/L Dissolved Oxygen010 mg/L Nitretocoli010 mg/L Ital010 mg/L Nitrate Nitrogen as N010 mg/L Nitrite Nitrogen as N010 mg/L Oil & Grease010 mg/L Residual Chlorine, Toral010 mg/L Nitrite Nitrogen as N010 mg/L Nitrite Nitrogen as N010 mg/L Nitrite Nitrogen as N010 mg/L Residual Chlorine, Toral010 mg/L Residual Chlorine, Toral010 mg/L Residual Chlorine, Toral010 mg/L Specific Conductance010 mg/L Residual Chlorine, Toral010 mg/L Residual Chlorine, Toral010 mg/L Nitrite Nitrogen as N0110 mg/L Residual Chlorine, Toral010 mg/L Residual Chlorine, Toral010 mg/L Residual Chlorine, Toral010 mg/L Residual Chlorine, Toral <th>FREQUENCY</th> <th>010 010</th> <th>mg/L</th> <th>Ammonia Nitrogen as N</th> <th></th> <th></th>	FREQUENCY	010 010	mg/L	Ammonia Nitrogen as N		
010mg/lBiochemical Oxygen Demand010mg/LChemical Oxygen Demand010mg/LChlorides010mg/LChlorides010 $\mu g/L$ Copper, Total010 $\mu g/L$ Copper, Total010mg/LDissolved Oxygen010col/100 mlEscherichia coli010col/100 mlEscherichia coli010col/100 mlEscherichia coli010mg/LHardness as CaCO3010mg/LNitrate Nitrogen as N010mg/LNitrate Nitrogen as N010mg/LPlosphorus010mg/LPlosphorus010g/LPlosphorus010mg/LResidual Chlorine, Toral010mg/LSpecific Conductance010mg/LResidual Chlorine, Toral010mg/LResidual Chlorine, Toral010mg/LResidual Chlorine, Toral010mg/LResidual Chlorine, Toral010mg/LSpecific Conductance010mg/LSpecific Conductance010mg/LSpecific Conductance010mg/LSpecific Conductance	Each Sample	010	2			0.09
010mg/LChemical Oxygen Demand010mg/LChlorides010µg/LCopper, Total010µg/LCopper, Total010µg/LDissolved Oxygen010col/100 mlEnterococci010col/100 mlEscherichia coli010col/100 mlFecal Coliform010mg/LHardness as CaCO3010mg/LIcad, Total010mg/LNitrate Nitrogen as N010mg/LOil & Grase010mg/LPhosphorus010mg/LPhosphorus010mg/LResidual Chlorine, Toral010mg/LSpecific Conductance010mg/LResidual Chlorine, Toral010mg/LSpecific Conductance010mg/LStratatas	Each Sample		mg/l	biochemical Uxygen Demand		< 4.0
010 mg/L Chlorides 010 μg/L Copper, Total 5 010 mg/L Copper, Total 5 010 mg/L Dissolved Oxygen 5 010 col/100 ml Enterococci 5 010 col/100 ml Escherichia coli 5 010 mg/L Hardness as CaCO3 5 010 mg/L Lead, Total 5 010 mg/L Nitrate Nitrogen as N 5 010 mg/L Oil & Grease 5 010 mg/L Oil & Grease 5 010 mg/L Nitrite Nitrogen as N 5 010 mg/L Nitrite Nitrogen as N 20 010 mg/L Phosphorus 20 010 mg/L Phosphorus 20 010 mg/L Residual Chlorine, Toral 20 010 mg/L Residual Chlorine, Toral 20 010 mg/L Specific Conductance 20 010 mg/L Sherifuct 20 010 mg/L Sherifuct 20 010 mg/L Sherifuct 20 010 mg/L Sherifuct <	Each Sample	010	mg/L	Chemical Oxygen Demand		19
010 $\mu g/L$ Copper, Total5010 $m g/L$ Dissolved Oxygen5010 $col/100 ml$ Enterococci5010 $col/100 ml$ Escherichia coli5010 $col/100 mL$ Fecal Coliform5010 $m g/L$ Hardness as CaCO35010 $m g/L$ Nitrate Nitrogen as N5010 $m g/L$ Nitrate Nitrogen as N5010 $m g/L$ Nitrite Nitrogen as N5010 $m g/L$ Oil & Grease20010 $m g/L$ Residual Chlorine, Total20010 $m g/L$ Residual Chlorine, Total20010 $m g/L$ Residual Chlorine, Total20010 $m g/L$ Specific Conductance20010 $m g/L$ Specific Conductance20	Each Sample	010	mg/L	Chlorides		151
010 mg/L Dissolved Oxygen 010 col/100 ml Enterococci 010 col/100 ml Escherichia coli 010 col/100 ml Fecal Coliform 010 mg/L Hardness as CaCO3 010 mg/L Lead, Total 010 mg/L Nitrate Nitrogen as N 010 mg/L Nitrate Nitrogen as N 010 mg/L Oil & Grease 010 mg/L Plosphorus 010 s.u. pH 010 mg/L Residual Chlorine, Toral 010 mg/L Oil & Grease 010 mg/L Residual Chlorine, Toral 010 pg/L Residual Chlorine, Toral 010 pg/L Specific Conductance 010 mg/L Sherifuctance	Each Sample	010	µg/L	Copper, Total	5	<5
010col/100 mlEnterococi010col/100 mlEscherichia coli010col/100 mlFecal Coliform010mg/LHardness as CaCO3010mg/LLead, Total010mg/LNitrate Nitrogen as N010mg/LNitrite Nitrogen as N010mg/LOil & Grease010mg/LOil & Grease010mg/LOil & Grease010mg/LPhosphorus010mg/LResidual Chlorine, Total010mg/LResidual Chlorine, Total010mg/LResidual Chlorine, Total010mg/LSpecific Conductance010mg/LSurfactants	Each Sample	010	mg/L	Dissolved Oxygen		6.67
010col/100mlEscherichia coli010col/100 mLFecal Coliform010mg/LHardness as CaCO3010mg/LLead, Total010mg/LNitrate Nitrogen as N010mg/LNitrite Nitrogen as N010mg/LOil & Grease010mg/LOil & Grease010s.u.pH010mg/LResidual Chlorine, Total010gy/LResidual Chlorine, Total010mg/LSpecific Conductance010mg/LStrafter	Each Sample	010	col/100 ml	Enterococci		105
010col/100 mLFecal Coliform010mg/LHardness as CaCO3010µg/LLead, Total010µg/LNitrate Nitrogen as N010mg/LNitrite Nitrogen as N010mg/LOil & Grease010s.u.pH010mg/LResidual Chlorine, Total010µg/LResidual Chlorine, Total010µg/LResidual Chlorine, Total010µg/LSpecific Conductance010mg/LSurfactants	Each Sample	010	col/100ml	Escherichia coli		180
010mg/LHardness as CaCO3010μg/LLead, Total5010mg/LNitrate Nitrogen as N5010mg/LNitrite Nitrogen as N5010mg/LOil & Grease5010s.u.pH20010mg/LResidual Chlorine, Total20010µg/LSpecific Conductance20010mg/LStreates20010mg/LStreates20010mg/LStreates010mg/LStreates010mg/LStreates010mg/LStreates010mg/LStreates010mg/LStreates	Each Sample	010	col/100 mL	Fecal Coliform		1410
010μg/LLead, Total5010mg/LNitrate Nitrogen as N5010mg/LNitrite Nitrogen as N5010mg/LOil & Grease5010s.u.pH5010mg/LPhosphorus20010µg/LResidual Chlorine, Total20010µg/LSpecific Conductance20010mg/LStratants20	Each Sample	010	mg/L	Hardness as CaCO3		155
010 mg/L Nitrate Nitrogen as N 010 mg/L Nitrite Nitrogen as N 010 mg/L Nitrite Nitrogen as N 010 mg/L Oil & Grease 010 s.u. pH 010 mg/L Phosphorus 010 pg/L Residual Chlorine, Total 010 μmhos Specific Conductance 010 mg/L Surfactants	Each Sample	010	µg/L	Lead, Total	5	<2
010mg/LNitrite Nitrogen as N010mg/LOil & Grease010s.u.pH010mg/LPhosphorus010µg/LResidual Chlorine, Total20010µmhosSpecific Conductance010mg/LSurfactants	Each Sample	010	mg/L	Nitrate Nitrogen as N		0.64
010mg/LOil & Grease010s.u.pH010mg/LPhosphorus010µg/LResidual Chlorine, Toral010µmhosSpecific Conductance010mg/LSurfactants	Each Sample	010	mg/L	Nitrite Nitrogen as N		0.62
010s.u.pH010mg/LPhosphorus010μg/LResidual Chlorine, Total20010μmhosSpecific Conductance010mg/LSurfactants	Each Sample	010	mg/L	Oil & Grease		< 1.4
010mg/LPhosphorus010μg/LResidual Chlorine, Total20010μmhosSpecific Conductance20010mg/LSurfactants	Each Sample	010	s.u.	Hd		8.12
010μg/LResidual Chlorine, Total20010μmhosSpecific Conductance010mg/LSurfactants	Each Sample	010	mg/L	Phosphorus		0.13
010 μmhos Specific Conductance 010 mg/L Surfactants	Each Sample	010	µg/L	Residual Chlorine, Total	20	NA
010 mg/L Surfactants	Each Sample	010	umhos	Specific Conductance		696
	Each Sample	010	mg/L	Surfactants		0.054

Atmr2001

RESULT	21.05	0.37	< 1.4	< 5.0	6
MINIMUM LEVEL					10
PARAMETER	Temperature	Total Kjeldahl Nitrogen	T otal Petroleum Hydrocarbons	Total Suspended Solids	Zinc, Total
UNITS	U	mg/L	mg/L	mg/L	µg/L
MONLOC	010	010	010	010	010
FREQUENCY	Each Sample	Each Sample	Each Sample	Each Sample	Each Sample

Atmr2001

WET INSTREAM SAMPLING EVENT

8/13/14

Instream Sample Field Data Sheet

Client/Project Name: City of Stamford MS4	Location: Stamford,CT	Project:	# 105-26
Sample #: 155-01_20140	1813	Location:	122-01
Event Type (circle type): Spring	Summer Fall	Wet	Dry
Location Data			
Sample Location: Newman mills	/Riverwalk purse		

Sample Data

Date:	8-13-14		Tim	= 9.49		Container List:	
Sampler:		Weather: 6	lain	705	2	1 L Amber	H2SO4
					1	500 ml plastic	H2SO4
					1	250 ml plastic	HNO3
					1	1,000 ml plastic	As∘is
					3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	43 Sample Appear	ance/Description:			
Temperature (o C)	1.33	-clear	, colorte	55,	
Dissolved Oxygen (mg/L) Spec. Conductivity (µmhos/cm)	3		, no	stor	

River Condition

Erosion or Scour on Streambanks:	Comments
Sedimentation in Streams (sandbars or deltas	none

Instream Sample Field Data Sheet

Client/Project Name: City	of Stamford	MS4	Locatio	n:	Stamford,CT	Project:	# 105-26
Sample #: 201	1081	3-0	2			Location:	155-02
Event Type (circle typ	e): Spi	ing	Summer	Fall		Wet	Dry
Location Data							
Sample Location:							

Sample Data

Date:	<u>8-13-14</u>	, Tin			Container List:	
Sampler:	Sms	Weather: <u>(ecch</u>	1, Rain 70'S	2	1 L Amber	H2SO4
			L'	1	500 ml plastic	H2SO4
				1	250 ml plastic	HNO3
				1	1,000 ml plastic	As-is
				3	100 ml plastic	sterile

Field Parameters

pH (S.U.) 5 78	Sample Appearance/Description:
Temperature (o C)	
Dissolved Oxygen (mg/L) 🛛 6 6 🖇	- Cheer, Colorkus, no oder
Spec. Conductivity (µmhos/cm)	0000

River Condition

Erosion or Scour on Streambanks:		Comments
	Erosion or Scour on Streambanks:	NONE
Sedimentation in Streams (sandbars or deltas	and the second	

Client/Project Name: City of Star	nford MS4	Locatio	on: Stamford,CT	Project:	# 105-26
Sample #: \$20140	DB1Z-6	<u>5</u>		Location:	155-03
Event Type (circle type):	Spring	Summer	Fall	Wet	Dry
Location Data					
Sample Location:					

Sample Data

Date:	8-13-14		Time:	12:25		Container List:	
Sampler:	JMS	Weather:	("tady	803	2	I L Amber	H2SO4
					1	500 ml plastic	H2SO4
					1	250 ml plastic	HNO3
					1	1,000 ml plastic	As⊣is
					3	100 ml plastic	sterile

Field Parameters

рН (S.U.)	7 Sample Appearance/Description:	
Temperature (o C)	.5 _ /	
Dissolved Oxygen (mg/L)	2 - Clear Colorles no ode	~~~
Spec. Conductivity (µmhos/cm)		

	Comments
Erosion or Scour on Streambanks:	NONC
Sedimentation in Streams (sandbars or deltas	

Client/Project Name: City of Stamford MS4 Location: Stamford,CT Sample #: / <s< td=""> 20/90813</s<>	Project: Location:	# 105-26 CocPTTont#4
Event Type (circle type): Spring Summer Fall	Wet	Dry
Location Data		
MIDPLE STREAM NEAR BRIDGE (UPSTREAM	14	

Date:	8-13-14			Container List:	
Sampler:	SWB	Weather: 705 RAIN	2	1 L Amber	H2SO4
< .	~		1	500 ml plastic	H2SO4
SAMPLES CULEETED	AT 10:25/10:40/10.55/10:10	1	250 ml plastic	HNO3	
		1 1 7 10-10	1	1,000 ml plastic	As-is
			3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	Sample Appearance/Description:
Temperature (o C)	
Dissolved Oxygen (mg/L)	SLIGHT YELLOW / CLEHR / NO GOOR
Spec. Conductivity (µmhos/cm) 430	

Erosion or Scour on Streambanks:	Comments Nome Observed
Sedimentation in Streams (sandbars or deltas	Nome observed

Client/Project Name: City of Star	nford MS4	Location	: Stamford,CT	Project:	# 105-26
Sample #: /১১ ০১	3_20/408	73		Location:	Z55-08
Event Type (circle type):	Spring	Summer	Fall	Wet	Dry
Location Data					
Sample Location: Short RJ	, South c	f Innis Ard	in Golf Count		

Sample Data

Date:	813-14	Time: //. 05		Container List:	
Sampler:	EAM	Weather: <u>Rec. 705</u>	2	1 L Amber	H2SO4
			1	500 ml plastic	H2SO4
Start	10.20		1	250 ml plastic	HNQ3
			1	1,000 ml plastic	As-is
			3	100 ml plastic	sterile

Field Parameters

pH (S.U.) 6 06 Sample Appearance/Desc	inption:
Temperature (o C) 73 + 0	
Dissolved Oxygen (mg/L) 5, Z 8	brown, cloudy, slight odor
Spec. Conductivity (µmhos/cm)	

	Comments
Erosion or Scour on Streambanks:	- Minor bank trosion due to Seasony flowd.
	3
Sedimentation in Streams (sandbars or deltas	

Client/Project Name: City of Stamford MS4	Location: Stamford,CT	Project:	# 105-26
Sample #: 155-09-70	140BB	Location:	LOCATION #9
Event Type (circle type): Spring	(Summer Fall	Wet	Dry
Location Data			
Sample Location: MIDDLE OF STREAM NEF	HE BING - (ADD UD STOCK	BANDA (DD STREA	11/2

Sample Data

Date:	8-13-14		Time: <u>12/5</u>			Container List:	
Sampler:	<u>_Sw &</u>	Weather:	70'S RHIM		2	1 L Amber	H2SO4
					1	500 ml plastic	H2SO4
			11:30/11:45/12:00	1216	1	250 ml plastic	HNO3
					1	1,000 ml plastic	As-is
					3	100 ml plastic	sterile

Field Parameters

pH (S.U.) 733	ample Appearance/Description:	
Temperature (o C)	Sucre Cloury	
Dissolved Oxygen (mg/L) 475	SLIDAT GRAY / MARCELERS) MUSTY OPOR	
Spec. Conductivity (µmhos/cm)	1	

	Comments
Erosion or Scour on Streambanks:	YES
Sedimentation in Streams (sandbars or deltas	HOME ODSERVED

Client/Project Name: City of Stamford MS4 Sample #: 155 10 2014	Location:	Stamford,CT	Project: Location:	# 105-26 / SS -/ 0
Event Type (circle type): Spring	Summer	Fall	Wet	Dry
Location Data				
Sample Location: Northwest Corner	of Rosa H	artman Park - 2	ownstream.	from I-95 Bridge

Sample Data

Date:	8-13-14	Ť	ime:	12.08		Container List:	
Sampler:	EAp	Weather: Ross	705		2	I L Amber	H2SO4
					1	500 ml plastic	H2SO4
Stort 1	1233				1	250 ml plastic	HNO3
					1	1,000 ml plastic	As-is
					3	100 ml plastic	sterile

Field Parameters

pH (S.U.)	610	Sample Appearance/Description:
Temperature (o C)	22.67	
Dissolved Oxygen (mg/L)	5.63	- light browny clear, no ala
Spec. Conductivity (µmhos/cm)	738	

Erosion or Scour on Streambanks:	- Minur erosium due to service
Sedimentation in Streams (sandbars or deltas	Floud,



41 Sequin Drive + Glastonbury, CT + 06033

September 29, 2014

RECEIVE

Ms. Rosemary A. Gatter-Evarts Aquatic Toxicity Division Department of Energy and Environmental Protection 79 Elm Street Hartford, Connecticut 06106-5127

SEP 2 9 2014

BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE

Re: City of Stamford Aquatic Toxicity Monitoring Reports (ATMRs)

Dear Ms. Gattar-Everts:

Anchor Engineering Services, Inc. is pleased to submit the attached seven (7) ATMRs for the City of Stamford NPDES permit No. CT0030279. In-stream monitoring was conducted on August 13, 2014 and satisfies the summer wet weather monitoring for 2014. During monitoring activities the rain stopped, preventing Anchor Engineering staff from collecting representative samples for three of the ten instream monitoring locations.

Per the NPDES permit requirements, Aquatic Toxicity was performed, and the data is included on the <u>ATMR</u> forms. If you have any questions or comments regarding the attached, please do not hesitate to contact us at (860)633-8770.

Sincerely,

Patrick J. McKay Senior Environmental Scientist

D. Scott Atkin, LEP Principal

cc:

Tyler Theder, City of Stamford Christopher Stone, P.E.; DEEP (letter only)

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-001
RECEIVING WATER: Mianus River	WATERBODY ID: 7407

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
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SAMPLE INFORMATION

Sample Type	C	Grab	
Collection Dates (mm/dd/yy)	From: 8/13/14	To: 8/13/2014	
Collection Times (am/pm)	From: 9:04 am	To: 9:49 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

Daphnia pulex	%		
	0/		
	70		%
	%		%
>100	%	>10	90 %
	%		%
	>100	%	>100 % >10

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Authorized Official: ERNIE ORGENA

Signature:

Title:	DIRECTOR OF OPPRATIONS -
Date:	8/25/2014

STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Anchor Engineering ISS-01-20140813						
Date/Time Begin: 8/14/14 @ 1302 Date/Time End: 8/16/14 @ 1402						
Sample Hardness (mg/L): 66	Sample Conductivity (µS): 281					
Test Species: Daphnia pulex < 24 hrs old Dilution Water Hardness (mg/L): 46						

Effluent Dilution	Numb	er of Orga Surviving		Disso	lved Oxy (mg/L)	/gen	Te	mperatu (°C)	re		pH (su)	r
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	5	9.6	9.4	9.0	19	19	19	7.3	7.6	7.4
CONTROL 2	5	5	5	9.6	9.4	9.0	19	19	19	7.3	7.6	7.4
CONTROL 3	5	5	5	9.6	9.4	9.0	19	19	19	7.3	7.6	7.4
CONTROL 4	5	5	5	9.6	9.4	9.0	19	19	19	7.3	7.6	7.4
6.25% A	5	5	5	9.5	9.3	9.0	20	20	19	7.0	7.2	7.2
6.25% B	5	5	5	9.5	9.3	9.0	20	20	19	7.0	7.2	7.2
6.25% C	5	5	5	9.5	9.3	9.0	20	20	19	7.0	7.2	7.2
6.25% D	5	5	5	9.5	9.3	9.0	20	20	19	7.0	7.2	7.2
12.5% A	5	5	5	9.6	9.2	9.0	20	20	19	7.0	7.3	7.3
12.5% B	5	5	5	9.6	9.2	9.0	20	20	19	7.0	7.3	7.3
12.5% C	5	5	5	9.6	9.2	9.0	20	20	19	7.0	7.3	7.3
12.5% D	5	5	5	9.6	9.2	9.0	20	20	19	7.0	7.3	7.3
25% A	5	5	5	9.5	9.3	9.1	20	19	19	7.0	7.4	7.5
25% B	5	5	5	9.5	9.3	9.1	20	19	19	7.0	7.4	7.5
25% C	5	5	5	9.5	9.3	9.1	20	19	19	7.0	7.4	7.5
25% D	5	5	5	9.5	9.3	9.1	20	19	19	7.0	7.4	7.5
50% A	5	5	5	9.8	9.2	9.0	20	20	19	7.1	7.4	7.6
50% B	5	5	5	9.8	9.2	9.0	20	20	19	7.1	7.4	7.6
50% C	5	5	5	9.8	9.2	9.0	20	20	19	7.1	7.4	7.6
50% D	5	5	5	9.8	9.2	9.0	20	20	19	7.1	7.4	7.6
100% A	5	5	5	9.8	9.0	8.9	20	20	19	7.1	7.4	7.6
100% B	5	5	5	9.8	9.0	8.9	20	20	19	7.1	7.4	7.6
100% C	5	5	5	9.8	9.0	8.9	20	20	19	7.1	7.4	7.6
100% D	5	5	5	9.8	9.0	8.9	20	20	19	7.1	7.4	7.6
LC50 (%)		>100%	>100%	Metho	d: EPA	821-R-	02-012		-			

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC50
Daphnia pulex	8/1/14	CuNO ₃ # 14-0102-013	NEB	2.259 µg/L

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART $\mathbf 2$

REFERENCE TOXICANT RESULTS							
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC50			
DAPHNIA PULEX	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L			

COMMENTS Daphnia pulex
,
Laboratory Name: New England Bioassy
Laboratory Ivanic. Thew England Dioassy

REFERENCE TOXICANT RESULTS							
SPECIES DATE REFERENCE TOXICANT SOURCE LC50							
DAPHNIA PULEX 8/1/14 CuNO3#14-0102-013 NEB 2.259 μg/L							

	<u>COMMENTS</u>
Laboratory Name:	New England Bioassy

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DS	<u>SN-001</u>
Receiving Water:	Mianus River	Waterbody ID: <u>7407</u>	
Sample Collection Date(s):	8/13/14		
Sample Collection Time: FF	ROM <u>9:04 am</u> (AM/PM) TO: <u>9:49 am</u> (AM/PM)	

Effluent Sample at Arrival

Parameter	Effluent Sample	
8/14/14	Time	13:02
Temperature		6
pН		7.1
Alkalinity	N/A	
Conductivity	281	
Hardness/Salinity	66	
TRC		NA

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		281	N/A		
Alkalinity		N/A	N/A		
Hardness / Salinity		66	N/A		
TRC	TRC		N/A		

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		189	185		
Alkalinity		35	35		
Hardness / Salinity		46 / <1	48 / <1		
TRC		< 0.02	< 0.02		

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T 1		÷.,
Laboratory Name:	New England Bioassy	ŝ.

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3 $\,$

NPDES Permit:	CT003027	'9, DSN-001		Exp:	6/3/2018	Phon	.e ¹ :	(203)977-5281
Facility:	Town c	of Stamford M	S4	Contact:	Tyler Theder	Phon	e ² :	
Address:	Office of	of Operations	888 Washington B	oulevard	Town: Stamford	Zip:		06901
Laboratory Na	me: P		nmental Laborator					
Sample Date: WET -FALL	8/13/	14	Sa	ample Day s Flow:	NA	WET-SF	'RING	WET-SUM DRY-SUM -
						REPEAT MO	NTH:	
FREQ	<u>UENCY</u>	<u>DSN#</u>	<u>UNITS</u>	PARAMETER		<u>MINIMUM LEVEL</u>	Ī	<u>RESULT</u>
Each S	Sample	001	mg/L	Ammonia Nitro	gen as N		0.0	06
Each S	Sample	001	mg/l	Biochemical Oxy	rgen Demand		<	4.0
Each S	Sample	001	mg/L	Chemical Oxyge	n Demand		16	
Each S	Sample	001	mg/L	Chlorides			49	0.2
Each S	Sample	001	μg/L	Copper, Total		5	<5	5
Each S	Sample	001	mg/L	Dissolved Oxyge	n		6.8	87
Each S	Sample	001	col/100 ml	Enterococci			70	00
Each S	Sample	001	col/100ml	Escherichia coli			>€	500
Each S	Sample	001	col/100 mL	Fecal Coliform			44	0
Each S	Sample	001	mg/L	Hardness as CaO	CO3		71	1
Each S	Sample	001	μg/L	Lead, Total		5	<2	2
Each S	Sample	001	mg/L	Nitrate Nitroger	n as N		0.0	07
Each S	Sample	001	mg/L	Nitrite Nitrogen	as N		0.0	07
Each S	Sample	001	mg/L	Oil & Grease			<]	1.4
Each S	Sample	001	s.u.	pН			5.9	93
Each S	Sample	001	mg/L	Phosphorus			0.0	05
Each S	Sample	001	μg/L	Residual Chlorir	ne, Total	20	NA	A
Each S	Sample	001	μmhos	Specific Conduc	tance		29	03
Each S	Sample	001	mg/L	Surfactants			<	0.05
Each S	Sample	001	C	Temperature			20	0.33

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample Each Sample	001 001	mg/L mg/L	Total Kjeldahl Nitrogen Total Petroleum Hydrocarbons		0.42 <1.4
Each Sample	001	mg/L mg/L	Total Suspended Solids		<5.0
Each Sample	001	μg/L	Zinc, Total	10	2

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PIPE: CT0030279 DSN-002
WATERBODY ID: 7406

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
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SAMPLE INFORMATION

Sample Type	Co	Grab	
Collection Dates (mm/dd/yy)	From: 8/13/14	то 8/13/14	
Collection Times (am/pm)	From: 10:21 am	To: 11:06 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

From: 8/14/14		To: 8/16/14	
Daphnia pulex			
	%		%
	%		%
>100	%	>100	%
	%		%
	Daphnia pulex	Daphnia pulex % % >100 %	Daphnia pulex % % % >100 %

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official:

ERNIE ORGERA

Signature:

Title:	Director of opplations.
Date:	9/2572014

STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Anchor Engineering ISS-02-201	40813
Date/Time Begin: 8/14/14 @ 1443	Date/Time End: 8/16/14 @ 1430
Sample Hardness (mg/L): 52	Sample Conductivity (µS): 273
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness (mg/L): 46

Effluent Dilution	Num	ber of Or Survivi		Diss	olved Ox (mg/L)	kygen	Т	emperatu (°C)	ıre		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	4	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 2	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 3	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 4	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
6.25% A	5	5	4	9.6	9.4	8.9	20	20	19	7.2	7.5	7.2
6.25% B	5	5	5	9.6	9.4	8.9	20	20	19	7.2	7.5	7.2
6.25% C	5	5	5	9.6	9.4	8.9	20	20	19	7.2	7.5	7.2
6.25% D	5	5	5	9.6	9.4	8.9	20	20	19	7.2	7.5	7.2
12.5% A	5	5	5	9.5	9.3	8.8	20	20	19	7.2	7.5	7.2
12.5% B	5	5	5	9.5	9.3	8.8	20	20	19	7.2	7.5	7.2
12.5% C	5	5	5	9.5	9.3	8.8	20	20	19	7.2	7.5	7.2
12.5% D	5	5	4	9.5	9.3	8.8	20	20	19	7.2	7.5	7.2
25% A	5	5	5	9.4	9.3	8.9	20	20	19	7.2	7.5	7.2
25% B	5	4	4	9.4	9.3	8.9	20	20	19	7.2	7.5	7.2
25% C	5	5	5	9.4	9.3	8.9	20	20	19	7.2	7.5	7.2
25% D	5	5	5	9.4	9.3	8.9	20	20	19	7.2	7.5	7.2
50% A	5	5	5	9.3	9.2	8.8	20	19	19	7.2	7.4	7.2
50% B	5	5	5	9.3	9.2	8.8	20	19	19	7.2	7.4	7.2
50% C	5	5	4	9.3	9.2	8.8	20	19	19	7.2	7.4	7.2
50% D	5	5	5	9.3	9.2	8.8	20	19	19	7.2	7.4	7.2
100% A	5	5	5	9.4	9.1	8.9	20	19	19	7.1	7.3	7.2
100% B	5	5	5	9.4	9.1	8.9	20	19	19	7.1	7.3	7.2
100% C	5	5	5	9.4	9.1	8.9	20	19	19	7.1	7.3	7.2
100% D	5	5	5	9.4	9.1	8.9	20	19	19	7.1	7.3	7.2
LC50 (%)		>100%	>100%	Metho	d: EPA-	821-R-	02-012					3

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC50
Daphnia pulex	8/1/14	CuNO ₃ # 14-0102-013	NEB	2.259 µg/L

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART $\mathbf 2$

REFERENCE TOXICANT RESULTS							
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀			
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L			

COMMENTS Deutsie autor
<u>COMMENTS Daphnia pulex</u>
Laboratory Name: New England Bioassy

REFERENCE TOXICANT RESULTS					
SPECIES DATE REFERENCE TOXICANT SOURCE LC50					
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L	

	<u>COMMENTS</u>
Laboratory Name:	New England Bioassy

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-002			
Receiving Water:	East Branch Mianus River	Waterbody ID: <mark>7406</mark>			
Sample Collection Date(s): <u>8/13/14</u>					
Sample Collection Time: FROM <u>10:21 am (</u> AM/PM) TO: <u>11:06 am (</u> AM/PM)					

Effluent Sample at Arrival

Parameter		Effluent Sample	
	Time	14:43	
Temperature		6	
pН		7.1	
Alkalinity		N/A	
Conductivity		273	
Hardness/Salinity		52	
TRC		N/A	

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		273	N/A		
Alkalinity		N/A	N/A		
Hardness / Salini	ty	52	N/A		
TRC		N/A	N/A		

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		189	185		
Alkalinity		35	35		
Hardness / Salini	ty	46 / <1	48 / <1		
TRC		< 0.02	<0.02		

		1
		1
T .1	Num English 1 Diagonal	1
Laboratory Mame:	New England Bioassy	i.
'	6 1	

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3 $\,$

NPDES Permi				Exp: 6/3/2018	Phone ¹ :	(203)977-5281
Facility:		of Stamford MS4		Contact: Tyler Theder	Phone ² :	
Address:	Office c	of Operations		Town: Stamford	Zip:	06901
Laboratory Na	ame:	Phoenix En	vironmental L	aboratories, Inc.		
Sample Date: WET -FALL	8/13/14		S	ample Day s Flow: NA	WET-SPRI	NG WET-SUM DRY-SUM -
					REPEAT MONT	H:
<u>FREC</u>	QUENCY	<u>DSN#</u>	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each	Sample	002	mg/L	Ammonia Nitrogen as N		0.07
Each	Sample	002	mg/l	Biochemical Oxygen Demand		< 4.0
Each	Sample	002	mg/L	Chemical Oxygen Demand		18
Each	Sample	002	mg/L	Chlorides		54.3
Each	Sample	002	μg/L	Copper, Total	5	<5
Each	Sample	002	mg/L	Dissolved Oxygen		6.68
Each	Sample	002	col/100 ml	Enterococci		>2000
Each	Sample	002	col/100ml	Escherichia coli		>600
Each	Sample	002	col/100 mL	Fecal Coliform		>2000
Each	Sample	002	mg/L	Hardness as CaCO3		53.2
Each	Sample	002	µg/L	Lead, Total	5	<2
Each	Sample	002	mg/L	Nitrate Nitrogen as N		0.41
Each	Sample	002	mg/L	Nitrite Nitrogen as N		0.40
Each	Sample	002	mg/L	Oil & Grease		< 1.4
Each	Sample	002	s.u.	pН		5.78
Each	Sample	002	mg/L	Phosphorus		0.09
Each	Sample	002	µg/L	Residual Chlorine, Total	20	NA
Each	Sample	002	µmhos	Specific Conductance		298
Each	Sample	002	mg/L	Surfactants		0.07
Each	Sample	002	C	Temperature		20.59

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample Each Sample	002 002	mg/L mg/L	Total Kjeldahl Nitrogen Total Petroleum Hydrocarbons		0.64 < 1.4
Each Sample	002	mg/L	Total Suspended Solids		6.0
Each Sample	002	µg/L	Zinc, Total	10	4

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-003	
RECEIVING WATER: Mill River	WATERBODY ID: 7404	

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
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SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 8/13/14	To: 8/13/14	
Collection Times (am/pm)	From: 11:40 am	To: 12:25 pm	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

TEST DATE (mm/dd/yy)	From: 8,	/14/14		To:	8/16/14	
TEST SPECIES	Daj	obnia pulex				
SURVIVAL IN 100%			%			%
SURVIVAL IN NA (CTC)			%			%
LC50		>100	%		>100	%
NOAEL			%			%
COMPLIANCE (P/F)						
	-					

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Officia	EPATE ORGERA
Signature:	Chin

Title: DINECTOR OF OPERATIONS Date: 9/25/2014

STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Anchor Engineering ISS-03-201	40813
Date/Time Begin: 8/14/14 @ 1446	Date/Time End: 8/16/14 @ 1431
Sample Hardness (mg/L): 64	Sample Conductivity (µS): 257
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness (mg/L): 46

Effluent Dilution	Num	ber of Org Survivir		Diss	olved Ox (mg/L)	xygen	Т	emperatu (°C)	ire		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	4	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 2	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 3	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 4	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
6.25% A	5	5	5	9.5	9.3	9.0	20	19	19	7.0	7.4	7.1
6.25% B	5	5	5	9.5	9.3	9.0	20	19	19	7.0	7.4	7.1
6.25% C	5	5	5	9.5	9.3	9.0	20	19	19	7.0	7.4	7.1
6.25% D	5	5	4	9.5	9.3	9.0	20	19	19	7.0	7.4	7.1
12.5% A	5	5	5	9.3	9.3	8.9	20	19	19	7.1	7.5	7.1
12.5% B	5	5	5	9.3	9.3	8.9	20	19	19	7.1	7.5	7.1
12.5% C	5	5	5	9.3	9.3	8.9	20	19	19	7.1	7.5	7.1
12.5% D	5	5	5	9.3	9.3	8.9	20	19	19	7.1	7.5	7.1
25% A	5	5	5	9.2	9.3	8.9	20	19	19	7.1	7.5	7.1
25% B	5	4	4	9.2	9.3	8.9	20	19	19	7.1	7.5	7.1
25% C	5	5	5	9.2	9.3	8.9	20	19	19	7.1	7.5	7.1
25% D	5	5	5	9.2	9.3	8.9	20	19	19	7.1	7.5	7.1
50% A	5	5	5	9.2	9.2	8.8	20	19	19	7.1	7.5	7.1
50% B	5	5	5	9.2	9.2	8.8	20	19	19	7.1	7.5	7.1
50% C	5	5	5	9.2	9.2	8.8	20	19	19	7.1	7.5	7.1
50% D	5	5	5	9.2	9.2	8.8	20	19	19	7.1	7.5	7.1
100% A	5	5	5	9.1	9.0	8.8	20	19	19	7.1	7.4	7.1
100% B	5	5	5	9.1	9.0	8.8	20	19	19	7.1	7.4	7.1
100% C	5	5	5	9.1	9.0	8.8	20	19	19	7.1	7.4	7.1
100% D	5	5	5	9.1	9.0	8.8	20	19	19	7.1	7.4	7.1
LC50 (%)	1	>100%	>100%	Metho	d: EPA-	821-R-	02-012					

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC ₅₀
Daphnia pulex	8/1/14	CuNO ₃ # 14-0102-013	NEB	2.259 µg/L

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART $\mathbf 2$

REFERENCE TOXICANT RESULTS							
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC50			
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L			

<u>COMMENTS Daphnia pulex</u>
,
Laboratory Name: New England Bioassay

REFERENCE TOXICANT RESULTS							
SPECIES DATE REFERENCE TOXICANT SOURCE LC50							
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L			

	<u>COMMENTS</u>
Laboratory Name:	New England Bioassay

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-003			
Receiving Water:	Mill River	Waterbody ID: <u>7404</u>			
Sample Collection Date(s):	8/13/14				
Sample Collection Time: FROM: <u>11:40 am (</u> AM/PM) TO: <u>12:25 pm (</u> AM/PM)					

Effluent Sample at Arrival

Parameter		Effluent Sample	
	Time	14:46	
Temperature		6	
pН		7.1	
Alkalinity	N/A		
Conductivity	257		
Hardness/Salinity	64		
TRC		N/A	

100% Test Sample

Parameter	_	Daphnia pulex			
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		257	N/A		
Alkalinity		N/A	N/A		
Hardness / Salini	ty	64	N/A		
TRC		N/A	N/A		

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		189	185		
Alkalinity		35	35		
Hardness / Salini	ty	46 / <1	48 / <1		
TRC		< 0.02	< 0.02		

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Laboratory Mame:	New England Bioassy	i.
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AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3 $\,$

NPDES Permit:CT00302	279, DSN-003		Exp: 6/3/2018	Phone	¹ : (203)977-5281
Facility: Towr	n of Stamford M	[S4	Contact: Tyler Theder	Phone	2:
Address: Office	e of Operations	888 Washington B	oulevard Town: Stamford	l Zip:	06901
Laboratory Name:	Phoenix Enviro	nmental Laborator	ies, Inc.		
Sample Date: 8/13/ WET -FALL	/14	S	Sample Day s Flow: NA	WET-SPR	nng <u>Wet-sum</u> dry-sum
				REPEAT MONT	ГН:
<u>FREQUENCY</u>	<u>DSN#</u>	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample	003	mg/L	Ammonia Nitrogen as N		0.10
Each Sample	003	mg/l	Biochemical Oxygen Demand		< 4.0
Each Sample	003	mg/L	Chemical Oxygen Demand		18
Each Sample	003	mg/L	Chlorides		42.7
Each Sample	003	μg/L	Copper, Total	5	12
Each Sample	003	mg/L	Dissolved Oxygen		5.62
Each Sample	003	col/100 ml	Enterococci		>2000
Each Sample	003	col/100ml	Escherichia coli		>600
Each Sample	003	col/100 mL	Fecal Coliform		830
Each Sample	003	mg/L	Hardness as CaCO3		72
Each Sample	003	μg/L	Lead, Total	5	<2
Each Sample	003	mg/L	Nitrate Nitrogen as N		0.10
Each Sample	003	mg/L	Nitrite Nitrogen as N		0.10
Each Sample	003	mg/L	Oil & Grease		< 1.4
Each Sample	003	s.u.	рН		5.77
Each Sample	003	mg/L	Phosphorus		0.04
Each Sample	003	μg/L	Residual Chlorine, Total	20	NA
Each Sample	003	μmhos	Specific Conductance		265
Each Sample	003	mg/L	Surfactants		< 0.05
Each Sample	003	C	Temperature		20.65

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample Each Sample Each Sample	003 003 003	mg/L mg/L mg/L	Total Kjeldahl Nitrogen Total Petroleum Hydrocarbons Total Suspended Solids		0.54 < 1.4 < 5.0
Each Sample	003	µg/L	Zinc, Total	10	3

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u>	PIPE: CT0030279 DSN-004	
RECEIVING WATER: Noroton River	WATERBODY ID: 7403	

TOXICITY LIMIT: CTC = NA	$LC_{50} \ge$	ALT NA
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SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 8/13/14	To: 8/13/14	
Collection Times (am/pm)	From: 10:25 am	To: 11:10 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

%
0/4
70
>100 %
%

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Offi	cial: ERNE ORYERA	-
Signature:	1 hr	

	-
Title: OINECTO	in of operations.
Date: 9/25	12014

STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Anchor Engineering ISS-04-2014	40813
Date/Time Begin: 8/14/14 @ 1451	Date/Time End: 8/16/14 @ 1432
Sample Hardness (mg/L): 66	Sample Conductivity (µS): 329
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness (mg/L): 46

Effluent Dilution	Numl	per of Org Survivir		Diss	olved Ox (mg/L)	xygen	Te	emperatu (°C)	ire		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	4	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 2	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 3	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 4	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
6.25% A	5	5	5	9.2	9.3	8.9	20	19	19	7.2	7.5	7.0
6.25% B	5	5	5	9.2	9.3	8.9	20	19	19	7.2	7.5	7.0
6.25% C	5	5	5	9.2	9.3	8.9	20	19	19	7.2	7.5	7.0
6.25% D	5	5	5	9.2	9.3	8.9	20	19	19	7.2	7.5	7.0
12.5% A	5	5	5	9.0	9.2	8.8	20	19	19	7.2	7.4	7.0
12.5% B	5	5	5	9.0	9.2	8.8	20	19	19	7.2	7.4	7.0
12.5% C	5	5	5	9.0	9.2	8.8	20	19	19	7.2	7.4	7.0
12.5% D	5	5	5	9.0	9.2	8.8	20	19	19	7.2	7.4	7.0
25% A	5	5	5	9.1	9.2	8.6	20	19	19	7.2	7.4	7.0
25% B	5	5	5	9.1	9.2	8.6	20	19	19	7.2	7.4	7.0
25% C	5	5	5	9.1	9.2	8.6	20	19	19	7.2	7.4	7.0
25% D	5	5	5	9.1	9.2	8.6	20	19	19	7.2	7.4	7.0
50% A	5	5	5	9.3	9.2	8.6	20	19	19	7.2	7.4	7.0
50% B	5	5	5	9.3	9.2	8.6	20	19	19	7.2	7.4	7.0
50% C	5	5	5	9.3	9.2	8.6	20	19	19	7.2	7.4	7.0
50% D	5	5	5	9.3	9.2	8.6	20	19	19	7.2	7.4	7.0
100% A	5	5	5	9.4	8.9	8.6	20	19	19	7.2	7.3	7.0
100% B	5	5	5	9.4	8.9	8.6	20	19	19	7.2	7.3	7.0
100% C	5	5	5	9.4	8.9	8.6	20	19	19	7.2	7.3	7.0
100% D	5	5	5	9.4	8.9	8.6	20	19	19	7.2	7.3	7.0
LC50 (%)	-	>100%	>100%	Metho	d: EPA-	821-R-	02-012					- 3

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC50
Daphnia pulex	8/1/14	CuNO ₃ # 14-0102-013	NEB	2.259 µg/L

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART $\mathbf 2$

REFERENCE TOXICANT RESULTS							
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀			
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L			

COMMENTS Daphnia pulex
Laboratory Name: New England Bioassy

REFERENCE TOXICANT RESULTS								
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀				
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L				

	<u>COMMENTS</u>
Laboratory Name:	New England Bioassay

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 <u>DSN-004</u>
Receiving Water:	Noroton River	Waterbody ID: <u>7403</u>
Sample Collection Date(s):	8/13/14	
Sample Collection Time: FF	ROM: <u>10:25 am</u> (AM/PM) TO: <u>11:10 a</u>	um (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample	
	Time	14:51	
Temperature		6	
рН	7.2		
Alkalinity	N/A		
Conductivity		329	
Hardness/Salinity		66	
TRC		N/A	

100% Test Sample

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		329	N/A		
Alkalinity		N/A	N/A		
Hardness / Salinity		66	N/A		
TRC		N/A	N/A		

0% Test Sample (Control)

Parameter		Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		189	185		
Alkalinity		35	35		
Hardness / Salinity		46 / <1	48 / <1		
TRC		< 0.02	< 0.02		

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Laboratory Name	New Hindland Bioassy	1
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AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3 $\,$

NPDES Permit	t:CT003027	9, DSN-004		Exp:	6/3/2018	Phone ¹	: (203)977-5281	
Facility:Town of Stamford MS4Address:Office of Operations 888 With		S4	Contact: Tyler Theder		Phone ²			
		888 Washington B	oulevard	Town: Stamford	Zip:	06901		
Laboratory Na	ame: P	hoenix Enviror	nmental Laborator	ies, Inc.				
Sample Date:	8/13/1	4	S	Sample Day s Flow	NA	WET-SPR	NING WET- SUM	DRY-SUM
WEI-FALL						REPEAT MONT	H:	
FREQ	UENCY	<u>DSN#</u>	<u>UNITS</u>	PARAMETER		MINIMUM LEVEL	<u>RESULT</u>	
Each	Sample	004	mg/L	Ammonia Nitrog	gen as N		0.19	
Each S	Sample	004	mg/l	Biochemical Oxy			< 4.0	
	Sample	004	mg/L	Chemical Oxyger	•		21	
	Sample	004	mg/L	Chlorides			67.0	
	Sample	004	μg/L	Copper, Total		5	8	
	Sample	004	mg/L	Dissolved Oxyger	n		5.78	
	Sample	004	col/100 ml	Enterococci			>2000	
	Sample	004	col/100ml	Escherichia coli			>600	
	Sample	004	col/100 mL	Fecal Coliform			>2000	
	Sample	004	mg/L	Hardness as CaC	CO3		83.0	
	Sample	004	μg/L	Lead, Total		5	2	
	Sample	004	mg/L	Nitrate Nitrogen	as N		0.47	
	Sample	004	mg/L	Nitrite Nitrogen			0.45	
	Sample	004	mg/L	Oil & Grease			< 1.4	
	Sample	004	s.u.	pН			7.28	
	Sample	004	mg/L	Phosphorus			0.16	
	Sample	004	μg/L	Residual Chlorin	e, Total	20	NA	
	Sample	004	μmhos	Specific Conduct			430	
	Sample	004	mg/L	Surfactants			0.1	
	Sample	004	C	Temperature			22.40	

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample	004	mg/L	Total Kjeldahl Nitrogen	10	1.15
Each Sample	004	mg/L	Total Petroleum Hydrocarbons		< 1.4
Each Sample	004	mg/L	Total Suspended Solids		13
Each Sample	004	µg/L	Zinc, Total		18

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

FACILITY NAME: <u>Town of Stamford MS4</u> RECEIVING WATER: Trib to Stamford Harbor	PIPE: CT0030279 DSN-008 WATERBODY ID: 7000-42		

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
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SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 8/13/14	To: 8/13/14	
Collection Times (am/pm)	From: 10:20 am	To: 11:05 am	
Total Flow (sample day)	NA	. gpd	gpd

TOXICITY TEST SUMMARY

From: 8/14/14	To:	8/16/14	
Daphnia pulex			
	%		%
	%		%
>100	%	>100	%
	%		%
	Daphnia pulex	Daphnia pulex % % >100 %	Daphnia pulex % % >100 >100

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized C	Official: H	ENIE	DAGER	A
Signature:	0	° C	4 ~	
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Title: DIRECTOR OF OPERATIONS Date: 9/25/2014

STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Anchor Engineering ISS-08-2014	10813
Date/Time Begin: 8/14/14 @ 1455	Date/Time End: 8/16/14 @ 1433
Sample Hardness (mg/L): 134	Sample Conductivity (µS): 846
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness (mg/L): 46

Effluent Dilution	Numt	per of Org Survivir		Diss	olved Ox (mg/L)	ygen	Te	emperatu (°C)	ire		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	4	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 2	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 3	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 4	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
6.25% A	5	4	4	9.5	9.3	8.7	20	19	19	7.3	7.4	7.2
6.25% B	5	5	5	9.5	9.3	8.7	20	19	19	7.3	7.4	7.2
6.25% C	5	5	5	9.5	9.3	8.7	20	19	19	7.3	7.4	7.2
6.25% D	5	4	4	9.5	9.3	8.7	20	19	19	7.3	7.4	7.2
12.5% A	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.4	7.2
12.5% B	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.4	7.2
12.5% C	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.4	7.2
12.5% D	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.4	7.2
25% A	5	5	5	9.5	9.3	8.9	20	19	19	7.3	7.4	7.2
25% B	5	5	5	9.5	9.3	8.9	20	19	19	7.3	7.4	7.2
25% C	5	5	5	9.5	9.3	8.9	20	19	19	7.3	7.4	7.2
25% D	5	5	5	9.5	9.3	8.9	20	19	19	7.3	7.4	7.2
50% A	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.5	7.2
50% B	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.5	7.2
50% C	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.5	7.2
50% D	5	5	5	9.4	9.3	8.8	20	19	19	7.3	7.5	7.2
100% A	5	5	5	9.3	9.0	8.6	20	19	19	7.4	7.5	7.2
100% B	5	5	5	9.3	9.0	8.6	20	19	19	7.4	7.5	7.2
100% C	5	5	5	9.3	9.0	8.6	20	19	19	7.4	7.5	7.2
100% D	5	5	5	9.3	9.0	8.6	20	19	19	7.4	7.5	7.2
LC50 (%)	1	>100%	>100%	Metho	d: EPA-	821-R-	02-012					

REFERENCE TOXICANT RESULTS

Test Species	Date	Date Reference Toxicant		LC50
Daphnia pulex	8/1/14	CuNO ₃ # 14-0102-013	NEB	2.259 µg/L

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART $\mathbf 2$

REFERENCE TOXICANT RESULTS							
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC50			
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L			

· · ·
<u>COMMENTS Daphnia pulex</u>
Laboratory Name: New England Bioassy
Laboratory rvame. Tvew England Dioassy

REFERENCE TOXICANT RESULTS							
SPECIES DATE REFERENCE TOXICANT SOURCE LC50							
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L			

	<u>COMMENTS</u>
Laboratory Name:	New England Bioassy
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SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 <u>DSN-008</u>
Receiving Water:	Trib to Stamford Harbor	Waterbody ID: <u>7000-42</u>
Sample Collection Date(s):	8/13/14	
Sample Collection Time: F	ROM: <u>10:20 am</u> (AM/PM) T	O: <u>11:05 am</u> (AM/PM)

Effluent Sample at Arrival

Parameter	Effluent Sample	
	Time	14:55
Temperature	6	
pН	7.4	
Alkalinity	N/A	
Conductivity	846	
Hardness/Salinity	134	
TRC		N/A

100% Test Sample

Parameter		Daphnia pulex			
	Hours		Final (48)	Initial (00)	Final (48)
Conductivity		846	N/A		
Alkalinity		N/A	N/A		
Hardness / Salinity		134	N/A		
TRC		N/A	N/A		

0% Test Sample (Control)

Parameter		Daphnia pulex			
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		189	185		
Alkalinity		35	35		
Hardness / Salinity		46 / <1	48 / <1		
TRC		< 0.02	< 0.02		

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T .1	Num English 1 Diagonal	1
Laboratory Mame:	New England Bioassy	i.
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AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3 $\,$

NPDES Permit:CT0030279, DSN-008 Exp: 6/3/202				6/3/2018	Phone ¹	: (203)977-5281		
Facility: Town of Stamford MS4			Contact:	Tyler Theder	Phone ²	:		
Address: Office of Operations 888 Washington Bouleva			oulevard	Town: Stamford	Zip:	06901		
Laboratory N	ame: P	hoenix Enviro	nmental Labs, Inc.					
Sample Date:	8/13/14		Sample Day s Flow: NA		SPRING	WET- SUM DR	Y-SUM	
DRY -FALL						REPEAT MONTH:		
FREG	QUENCY	<u>DSN#</u>	<u>UNITS</u>	PARAMETER		MINIMUM LEVEL	<u>RESULT</u>	
Each	Sample	008	mg/L	Ammonia Nitrog	gen as N		0.11	
Each	Sample	008	mg/l	Biochemical Oxy	gen Demand		< 4.0	
	Sample	008	mg/L	Chemical Oxyger	•		25	
Each	Sample	008	mg/L	Chlorides			204	
	Sample	008	μg/L	Copper, Total		5	13	
Each	Sample	008	mg/L	Dissolved Oxyge	n		5.28	
Each	Sample	008	col/100 ml	Enterococci			>2000	
Each	Sample	008	col/100ml	Escherichia coli			>2000	
Each	Sample	008	col/100 mL	Fecal Coliform			>2000	
Each	Sample	008	mg/L	Hardness as CaC	203		142	
Each	Sample	008	μg/L	Lead, Total		5	3	
Each	Sample	008	mg/L	Nitrate Nitrogen	as N		0.07	
	Sample	008	mg/L	Nitrite Nitrogen			0.07	
Each	Sample	008	mg/L	Oil & Grease			< 1.4	
Each	Sample	008	s.u.	pН			6.06	
Each	Sample	008	mg/L	Phosphorus			0.19	
Each	Sample	008	μg/L	Residual Chlorin	e, Total	20	NA	
	Sample	008	μmhos	Specific Conduct	ance		876	
	Sample	008	' mg/L	Surfactants			0.10	
Each	Sample	008	C	Temperature			23.08	

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample Each Sample Each Sample	008 008 008	mg/L mg/L mg/L	Total Kjeldahl Nitrogen Total Petroleum Hydrocarbons Total Suspended Solids		1.68 < 1.4 18
Each Sample	008	μg/L	Zinc, Total	10	5

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PIPE: CT0030279 DSN-009
WATERBODY ID: 7000-38

TOXICITY LIMIT:	CTC = NA	$LC_{50} \ge$	ALT NA
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SAMPLE INFORMATION

Sample Type	Composite		Grab
Collection Dates (mm/dd/yy)	From: 8/13/14	To: 8/13/14	
Collection Times (am/pm)	From: 11:30 am	To: 12:15 pm	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

%
%
%
%

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official	ERNA	EDAGEN
	1	h
Signature:		An

Title: DINECTOR OF ODERATIONS. Date: 9/25/2014

STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Anchor Engineering ISS-09-2014	0813
Date/Time Begin: 8/14/14 @ 1500	Date/Time End: 8/16/14 @ 1435
Sample Hardness (mg/L): 290	Sample Conductivity (µS): 3010
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness (mg/L): 46

Effluent Dilution	Numb	er of Org Survivin		Disso	olved Ox (mg/L)	ygen	Te	emperatu (°C)	ire		pH (su)	4
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	4	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 2	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 3	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 4	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
6.25% A	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.5	7.2
6.25% B	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.5	7.2
6.25% C	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.5	7.2
6.25% D	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.5	7.2
12.5% A	5	5	5	9.2	9.3	8.9	20	19	19	7.5	7.5	7.2
12.5% B	5	5	5	9.2	9.3	8.9	20	19	19	7.5	7.5	7.2
12.5% C	5	5	5	9.2	9.3	8.9	20	19	19	7.5	7.5	7.2
12.5% D	5	5	5	9.2	9.3	8.9	20	19	19	7.5	7.5	7.2
25% A	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.4	7.2
25% B	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.4	7.2
25% C	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.4	7.2
25% D	5	5	5	9.3	9.2	8.8	20	19	19	7.5	7.4	7.2
50% A	5	5	5	9.5	9.2	8.6	20	19	19	7.5	7.3	7.2
50% B	5	5	5	9.5	9.2	8.6	20	19	19	7.5	7.3	7.2
50% C	5	5	5	9.5	9.2	8.6	20	19	19	7.5	7.3	7.2
50% D	5	5	5	9.5	9.2	8.6	20	19	19	7.5	7.3	7.2
100% A	5	5	5	9.5	9.1	8.8	20	19	19	7.3	7.2	7.2
100% B	5	5	5	9.5	9.1	8.8	20	19	19	7.3	7.2	7.2
100% C	5	5	5	9.5	9.1	8.8	20	19	19	7.3	7.2	7.2
100% D	5	5	5	9.5	9.1	8.8	20	19	19	7.3	7.2	7.2
LC50 (%)		>100%	>100%	Metho	d: EPA	821-R-	02-012					

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC50
Daphnia pulex	8/1/14	CuNO ₃ # 14-0102-013	NEB	2.259 µg/L

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART $\mathbf 2$

REFERENCE TOXICANT RESULTS				
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC50
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L

· · ·
<u>COMMENTS Daphnia pulex</u>
Laboratory Name: New England Bioassy
Laboratory rvame. Tvew England Dioassy

REFERENCE TOXICANT RESULTS				
SPECIES DATE REFERENCE TOXICANT SOURCE LC50				
Daphnia pulex	8/1/14	CuNO3#14-0102-013	NEB	2.259 μg/L

	<u>COMMENTS</u>
Laboratory Name:	New England Bioassy

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 <u>DSN-009</u>
Receiving Water:	Westcott Cove	Waterbody ID: <u>7000-38</u>
Sample Collection Date(s):	8/13/14	
Sample Collection Time: FI	ROM: <u>11:30 am (</u> AM/PM) To	D: <u>12:15 pm (</u> AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	15:00
Temperature		6
pН		7.3
Alkalinity		N/A
Conductivity		3010
Hardness/Salinity		290
TRC		N/A

100% Test Sample

Parameter	-	Daphni	a pulex		
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		3010	N/A		
Alkalinity		N/A	N/A		
Hardness / Salini	ty	290	N/A		
TRC		N/A	N/A		

0% Test Sample (Control)

Parameter		Daphnia pulex			
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		189	189		
Alkalinity		35	35		
Hardness / Salini	ty	46 / <1	48 / <1		
TRC		< 0.02	< 0.02		

		1
T 1 T		1
Laboratory Name	New England Bioassy	4
Laboratory r vallet	New England Bioassy	4
'		

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3 $\,$

NPDES Permit:CT0030	279, DSN-009		Exp: 6/3/2018		Phone ¹ :	(203)977-5281
Facility: Town	n of Stamford M	[S4	Contact: Tyler Theder		Phone ² :	
Address: Offic	e of Operations 8	888 Washington B	oulevard Town: Star	mford	Zip:	06901
Laboratory Name:	Phoenix Enviror	nmental Laborator	ies, Inc.			
Sample Date: 8/12 WET -FALL	3/14	S	Sample Day s Flow: NA	W	ET-SPRING	WET- SUM DRY-SUM
				REPEAT	T MONTH:	
FREQUENCY	DSN#	<u>UNITS</u>	PARAMETER	MINIMUM LI	<u>EVEL R</u>	ESULT
Each Sample	009	mg/L	Ammonia Nitrogen as N		0.3	2
Each Sample	009	mg/l	Biochemical Oxygen Demand		< 4	1.0
Each Sample	009	mg/L	Chemical Oxygen Demand		42	
Each Sample	009	mg/L	Chlorides		884	5
Each Sample	009	μg/L	Copper, Total	5	12	
Each Sample	009	mg/L	Dissolved Oxygen		4.7	5
Each Sample	009	col/100 ml	Enterococci		>2	.000
Each Sample	009	col/100ml	Escherichia coli		>6	00
Each Sample	009	col/100 mL	Fecal Coliform		>2	.000
Each Sample	009	mg/L	Hardness as CaCO3		306	6
Each Sample	009	μg/L	Lead, Total	5	3	
Each Sample	009	mg/L	Nitrate Nitrogen as N		0.4	-2
Each Sample	009	mg/L	Nitrite Nitrogen as N		0.4	-3
Each Sample	009	mg/L	Oil & Grease		< 1	1.4
Each Sample	009	s.u.	рН		7.3	3
Each Sample	009	mg/L	Phosphorus		0.1	9
Each Sample	009	μg/L	Residual Chlorine, Total	20	NA	A
Each Sample	009	μmhos	Specific Conductance		302	28
Each Sample	009	mg/L	Surfactants		0.2	0
Each Sample	009	C	Temperature		22.	.66

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample Each Sample	009 009	mg/L mg/L	Total Kjeldahl Nitrogen Total Petroleum Hydrocarbons		1.16 < 1.4
Each Sample	009	mg/L	Total Suspended Solids		10
Each Sample	009	μg/L	Zinc, Total	10	43

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Water Management: Aquatic Toxicity Monitoring Report (ATMR) - PART 1

PIPE: CT0030279 DSN-010		
WATERBODY ID: <u>7000-44</u>		

TOXICITY LIMIT: CTC = NA	$LC_{50} \ge$	ALT NA
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SAMPLE INFORMATION

Sample Type	Co	omposite	Grab
Collection Dates (mm/dd/yy)	From: 8/13/14	To: 8/13/14	
Collection Times (am/pm)	From: 11:23 am	To: 12:08 am	
Total Flow (sample day)	NA	gpd	gpd

TOXICITY TEST SUMMARY

From: 8/14/14		To: 8/16/14
Daphnia pulex		
	%	
	%	-
>100	%	>100
	%	
	Daphnia pulex	Daphnia pulex % % >100 %

STATEMENT OF ACKNOWLEDGEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERNIE ORGERA Authorized Official	itle: DIRECTOR OF OPERATIONS	
Signature:	Date: 9/2572014	

STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Anchor Engineering ISS-10-201	40813
Date/Time Begin: 8/14/14 @ 1503	Date/Time End: 8/16/14 @ 1436
Sample Hardness (mg/L): 46	Sample Conductivity (µS): 218
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness (mg/L): 46

Effluent Dilution	Num	ber of Org Survivii		Diss	olved Ox (mg/L)	kygen	Т	emperatu (°C)	ure		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	4	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 2	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 3	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
CONTROL 4	5	5	5	9.6	9.4	8.8	20	19	19	7.3	7.6	7.5
6.25% A	5	5	5	9.3	9.2	8.8	20	19	19	7.6	7.6	7.2
6.25% B	5	5	5	9.3	9.2	8.8	20	19	19	7.6	7.6	7.2
6.25% C	5	5	5	9.3	9.2	8.8	20	19	19	7.6	7.6	7.2
6.25% D	5	5	5	9.3	9.2	8.8	20	19	19	7.6	7.6	7.2
12.5% A	5	5	5	9.2	9.2	8.9	20	19	19	7.6	7.5	7.2
12.5% B	5	5	5	9.2	9.2	8.9	20	19	19	7.6	7.5	7.2
12.5% C	5	5	5	9.2	9.2	8.9	20	19	19	7.6	7.5	7.2
12.5% D	5	5	5	9.2	9.2	8.9	20	19	19	7.6	7.5	7.2
25% A	5	5	5	9.3	9.2	8.9	20	19	19	7.6	7.5	7.2
25% B	5	5	5	9.3	9.2	8.9	20	19	19	7.6	7.5	7.2
25% C	5	5	5	9.3	9.2	8.9	20	19	19	7.6	7.5	7.2
25% D	5	5	5	9.3	9.2	8.9	20	19	19	7.6	7.5	7.2
50% A	5	5	5	9.5	9.1	8.8	20	19	19	7.6	7.5	7.2
50% B	5	5	5	9.5	9.1	8.8	20	19	19	7.6	7.5	7.2
50% C	5	5	5	9.5	9.1	8.8	20	19	19	7.6	7.5	7.2
50% D	5	5	5	9.5	9.1	8.8	20	19	19	7.6	7.5	7.2
100% A	5	5	5	9.4	9.0	8.9	20	19	19	7.4	7.4	7.2
100% B	5	5	5	9.4	9.0	8.9	20	19	19	7.4	7.4	7.2
100% C	5	5	5	9.4	9.0	8.9	20	19	19	7.4	7.4	7.2
100% D	5	5	5	9.4	9.0	8.9	20	19	19	7.4	7.4	7.2
LC50 (%)	12	>100%	>100%	Metho	d: EPA-	821-R-	02-012		1			

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC50
Daphnia pulex	8/1/14	CuNO ₃ # 14-0102-013	NEB	2.259 µg/L

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART $\mathbf 2$

REFERENCE TOXICANT RESULTS						
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀		
Daphnia pulex	8/1/14	CuNO3#14-012-013	NEB	2.259µg/L		

COMMENTS Daphnia pulex
,
Laboratory Name: New England Bioassy
Laboratory Inamic. Incw England Diodosy

REFERENCE TOXICANT RESULTS						
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀		
Daphnia pulex	8/1/14	CuNO3#14-012-013	NEB	2.259µg/L		

	<u>COMMENTS</u>
Laboratory Name:	New England Bioassy

SUPPLEMENTAL CHEMISTRY - PART 2S

Facility Name:	Town of Stamford MS4	NPDES ID:CT0030279 DSN-010
Receiving Water:	Greenwich Cove	Waterbody ID: <u>7000-44</u>
Sample Collection Date(s):	8/13/14	
Sample Collection Time: FI	ROM: <u>11:23 am</u> (AM/PM) TO	: <u>12:08 am</u> (AM/PM)

Effluent Sample at Arrival

Parameter		Effluent Sample
	Time	15:03
Temperature		6
рН		7.4
Alkalinity		N/A
Conductivity		218
Hardness/Salinity		46
TRC		N/A

100% Test Sample

Parameter	-	Daphnia pulex			
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		218	N/A		
Alkalinity		N/A	N/A		
Hardness / Salini	ty	46	N/A		
TRC		N/A	N/A		

0% Test Sample (Control)

Parameter		Daphnia pulex			
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Conductivity		189	185		
Alkalinity		35	35		
Hardness / Salini	ty	46 / <1	48 / <1		
TRC		< 0.02	< 0.02		

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Laboratory Mame:	New England Bioassy	i.
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AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 3 $\,$

NPDES Permit:CT00302	279, DSN-010		Exp: 6/3/2018	Phor	ne ¹ : (203)977-5281
Facility: Towr	n of Stamford M	S4	Contact: Tyler Theder	Phor	ne ² :
Address: Office	e of Operations 8	388 Washington B	oulevard Town: Stamford	d Zip:	: 06901
Laboratory Name:	Phoenix Enviroi	nmental Laborator	ies, Inc.		
Sample Date: 8/13 WET -FALL	6/14	S	Sample Day s Flow: NA	WET-S	SPRING WET-SUM DRY-SUM
				REPEAT MO)NTH:
FREQUENCY	<u>DSN#</u>	<u>UNITS</u>	<u>PARAMETER</u>	<u>MINIMUM LEVEI</u>	<u>L RESULT</u>
Each Sample	010	mg/L	Ammonia Nitrogen as N		0.18
Each Sample	010	mg/l	Biochemical Oxygen Demand		< 4.0
Each Sample	010	mg/L	Chemical Oxygen Demand		29
Each Sample	010	mg/L	Chlorides		36.7
Each Sample	010	μg/L	Copper, Total	5	16
Each Sample	010	mg/L	Dissolved Oxygen		5.53
Each Sample	010	col/100 ml	Enterococci		>2000
Each Sample	010	col/100ml	Escherichia coli		>600
Each Sample	010	col/100 mL	Fecal Coliform		>2000
Each Sample	010	mg/L	Hardness as CaCO3		50.0
Each Sample	010	μg/L	Lead, Total	5	5
Each Sample	010	mg/L	Nitrate Nitrogen as N		0.32
Each Sample	010	mg/L	Nitrite Nitrogen as N		0.32
Each Sample	010	mg/L	Oil & Grease		< 1.4
Each Sample	010	s.u.	рН		6.10
Each Sample	010	mg/L	Phosphorus		0.14
Each Sample	010	μg/L	Residual Chlorine, Total	20	NA
Each Sample	010	μmhos	Specific Conductance		238
Each Sample	010	mg/L	Surfactants		0.17
Each Sample	010	C	Temperature		22.67

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MONLOC	<u>UNITS</u>	PARAMETER	MINIMUM LEVEL	<u>RESULT</u>
Each Sample	010	mg/L	Total Kjeldahl Nitrogen		0.91
Each Sample	010	mg/L	Total Petroleum Hydrocarbons		< 1.4
Each Sample	010	mg/L	Total Suspended Solids	10	12
Each Sample	010	μg/L	Zinc, Total		45

APPENDIX J

STORMWATER OUTFALL MONITORING REPORTS – 2012



Client/Project Name: Stamford MS4 Stormwater Sampling	Project #: 20050296.A56	
Project Location: Stamford, CT	Location ID	
Sample #: 1242140813-01	SAMPLE LOCATION #1	

Sample Location Info

Special Instructions:

End of Shippan Avenue discharging into Long Island Sound

Sample Data	Container	Quantity	Preservative
Date: August 13, 2014 Time: 03:42 Sampler: Joshus German II, Weather: Rain, 66°12 Estimated Flow Rate(GPM) 50 9 pm Stagnant / Dry / Other	32 oz. Amber 500 mL Plastic 250 mL Plastic 250 mL Plastic 100 mL Plastic	1 2 1 1 2	H2SO4 As Is H2SO4 HNO3 As Is
Appearance: Clear, no solids Comments:			

Field Parameters

Parameter	Instrument	Value
рН	YSI 63	6.91 50
Temperature	YSI63	69.2°F
rain pH	Y5I63	68450

Comments:

Discharge bogan approximately Odioo Discharge bogan approximately Odioo Quantity of rainfall for event => 1.37" Previous frainfall => 0.67" on 08/03/14 Proc. pitation 16 provided by Stanford WRA



Client/Project Name: Stamford MS4 Stormwater Sampling	Project #: 20050296.A56	
Project Location: Stamford, CT	Location ID	
Sample #: 1242140813-02	SAMPLE LOCATION #2	

Sample Location Info

Special Instructions:

East side of Rippowam River near intersection of Cold Spring Road and Stillwater Road.

Sample Data	Container	Quantity	Preservative
Date: August 13, 2014 Time: 03:46 Sampler: Loc Mingrore Weather: Roin, 650F Christian Utan Schy, Fusstople:11 Estimated Flow Rate(GPM) 209 pm Stagnant / Dry / Other	32 oz. Amber 500 mL Plastic 250 mL Plastic 250 mL Plastic 100 mL Plastic	1 2 1 1 2	H2SO4 As Is H2SO4 HNO3 As Is
Comments:			

Field Parameters

Parameter	Instrument	Value
рН	10E100334	8.6950
Temperature	10E100334	20.2°C
rain pH	10E100334	6.84 SU

Comments:

Discharge began approximately 02:00 on 08/13/14, Ownhity of rainfall For event => Kor 1.37" Presions Rainfall=> 0.67" on Oricity Hechlichtion into provided by Standord WKA Cilbersigermellidesktopifield Documents/Stanford/MS4 Sampling.doc (Format Revised 10/28/05)



Client/Project Name: Stamford MS4 Stormwater Sampling	Project #: 20050296.A56
Project Location: Stamford, CI'	Location ID
Sample #: 1742140813-03	SAMPLE LOCATION #3

Sample Location Info

Special Instructions:

East side of Rippowam River along southbound stretch of Washington Boulevard. Discharge opposite Fourth Street.

Sample Data	Container	Quantity	Preservative
Date: August B. 2014 Time: 04:15 Sampler: Joc Mingrand Weather: 65°F, Kain Cheilthine Hardstry, Function 11 Estimated Flow Rate(GPM) D, 000 gpm Stagnant / Dry / Other	32 oz. Amber 500 mL Plastic 250 mL Plastic 250 mL Plastic 100 mL Plastic	1 2 1 1 2	H2SO4 As Is H2SO4 HNO3 As Is
Appearance: Slightly brownish, odorless Comments:			

Field Parameters

Parameter	Instrument	Value
рН	10 E 100 334	7.2450
Temperature		20.3°C
rain pH	¥	6.84 50

Comments:

Discharge begin approximately 02:00 on 08/13/14, anality of rainfall for event =7 From 1.37" Previous fainfall => 0.67" on 08/02/14 Precipitation into provided by Sim for 2 WPCA C:Users\igenmell\Desktop\Field Documents\Stamford\MS4 Sampling.doc (Format Revised 10/28/05)



Client/Project Name: Stamford MS4 Stormwater Sampling	Project #: 20050296.A56	
Project Location: Stamford, CT	Location ID	
Sample #: 1242140813-04	SAMPLE LOCATION #4	

Sample Location Info

Special Instructions:

End of Division Street discharging into east side of Rippowam River.

Sample Data	Container	Quantity	Preservative
Date: <u>August 13</u> 2014 Time: <u>04106</u> Sampler: <u>John Germult</u> FixebWeather: <u>Rain, 66</u> °1- Other: Estimated Flow Rate(GPM) <u>2040</u> Stagnant / Dry / Other	32 oz. Amber 500 mL Plastic 250 mL Plastic 250 mL Plastic 100 mL Plastic	1 2 1 1 2	H2SO4 As Is H2SO4 HNO3 As Is
Appearance: Cler, no Salids Comments:			

Field Parameters

Parameter	Instrument	Value
pН	VSI 63	6.51 50
Temperature	YSI63	68.9°F
rain pH	YSI63	6.8450

Comments:

Discharge began approximately 07:00 on 08/13/14, Quantity of rainfall for event => 1.37" Previous Rain Kil => 0.67 on 08/07/14 Previous Rain Kil => 0.67 on 08/07/14 Previous Rain Kil => 0.67 on 08/07/14 Recipitation into previded by Shan Sid WPCA Citusers igenmell Desktop Field Documents Stamford MS4 Sampling. doc (Format Revised 10/28/05)



Client/Project Name: Stamford MS4 Stormwater Sampling	Project #: 20050296.A56
Project Location: Stamford, CT	Location ID
Sample #: 1242 140813-05	SAMPLE LOCATION #5

Sample Location Info

Special Instructions:

End of Poplar Street, discharging into west side of Noroton River.

Sample Data	Container	Quantity	Preservative
Date: August B, 2014 Time: 04:45 Sampler: Job Mirg Pace Weather: 65°F, Roin Christian Hordshy Forst to Martin Estimated Flow Rate(GPM) HO g pm Stagnant / Dry / Other	32 oz. Amber 500 mL Plastic 250 mL Plastic 250 mL Plastic 100 mL Plastic	1 2 1 1 2	H2SO4 As Is H2SO4 HNO3 As Is
Appearance: Slightly brownish odorkss Comments:			

Field Parameters

Parameter	Instrument	Value
pН	10 E100334	7.00 SU
Temperature		20.8%
rain pH	L L	6.8450

Comments:

Discharge began approximately 02.00 on 08/13/14, Overhity of Frinfall for event =7 137" Reviews Frinfall => 0.67" on 08/02/14 & Recipitation into provided by Stam ford With A



Client/Project Name: Stamford MS4 Stormwater Sampling	Project #: 20050296.A56
Project Location: Stamford, CT	Location ID
Sample #: 1242140813-06	SAMPLE LOCATION #6

Sample Location Info

Special Instructions:

Located at Selleck Street opposite Harvard Avenue. Access manhole near lightpole at corner of Entenmann's Distribution Center.

Sample Data	Container	Quantity	Preservative
Date: August 17, 2014 Time: 04:35 Sampler: Lochen Gemnell, Factor My Weather: Rain, 66°F	32 oz. Amber 500 mL Plastic 250 mL Plastic	1 2 1	H2SO4 As Is H2SO4
Estimated Flow Rate(GPM) 15 g.pm Stagnant / Dry / Other	250 mL Plastic 100 mL Plastic	1 2	HNO3 As Is
Appearance: Cleor, No Solids Comments:			

Field Parameters

Parameter	Instrument	Value
pН	YSI GZ	7.5750
Temperature	Y51 63	69.5°F
rain pH	5/55 63	6.8450

Comments:

Discharge bogen approximately 02:00 on 08/13/14 Quantity of Gainfall Recevent =7 Killer 1.37" Provids Reinfall=> 0.67" on 08/03/14 Prevides Reinfall=> 0.67" on 08/03/14 Prevides Reinfall=> 0.67" on 08/03/14 Prevides Collection info provided by Stanfald With

 78 Interstate Drive, West Springfield, MA 01089 317 Iron Horse Way, Suite 204, Providence, RI 02908 80 Washington Street, Suite 301, Poughkeepsie, NY Other 	Turnaround 24-Hour* 72-Hour* 0ther (days) 148-Hour* Srandard (davs) *Sucharge Applies		Correction of the second	10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Construction of the series of				Charge Fixceptions: □ CFT Tax Fixempt □ QA/QC □ Other	Additional Comments:
 78 Interstate Drive, West Springfield, MA 01089 317 Iron Horse Way, Suite 204, Providence, R1 0 80 Washington Street, Suite 301, Poughkeepsie, N 	32361		Analysis Request		Le re	$\frac{\times}{\times} \frac{\times}{\times} \frac{\times}$		××××××××××××××××××××××××××××××××××××	te Time	Additic
 146 Hartford Road, Manchester, CT 06040 56 Quarry Road, Trumbull, CT 06611 1419 Richland Street, Columbia, SC 29201 	DY RECORD	PROJECT LOCATION	II WO FU	y S=Soil B=Sediment C=Concrete	Source Date Time Code Sampled Sampled	ST 8/13/4 03:42 ST 1 03:40		5T V 04:35	Accepted By Da	
_	CHAIN-OF-CUSTODY RECC		Curr Hrss as above 396 A56	er T=Treatment Facility W=Waste A=Air	Sample Number	813- 01 815- 02	20-218041CHC	90-5180H1 CHE	1 mart	
FUSS & O'NEILL (860) 646-2469 • www.FandO.com	CHAIN-C	PROJECT NAME	PORTTO: Jon then Current A WOICE TO: Same as above O.No: JOOS 0396 A56	ji ji	Transfer Check Sar	Co-213041 CHC1	HICHCI	-1 CHC	Relinquished By	
See H		CH C	REPORT TO: INVOICE TO: P.O. NO.:	Sampler's Signature: Source Codes: MW=Monitoring Well SW=Surface Water	X=Other Item Transfer No. 1 2	> \ \ \ \	N 30	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Transfer Number 1 2	~ ·

908 Y 🗆 Other	24-Hour* 72-Hour* Other (days) 48-Hour* \$Surcharge Applies	A56 EML	Containers	220 UN 10 C C C C C C C C C C C C C C C C C C	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	() () () () () () () () () () () () () (× (8 /		.xempt □ QA/QC □ Other	Reporting and Detection Limit Requirements:	HINCHO# 4
 □ 146 Hartford Road, Manchester, CT 06040 □ 78 Interstate Drive, West Springfield, MA 01089 ● 56 Quarry Road, Trumbull, CT 06611 □ 317 Iron Horse Way, Suite 204, Providence, R1 02908 □ 1419 Richland Street, Columbia, SC 29201 □ 80 Washington Street, Suite 301, Poughkeepsie, NY 	Y RECORD 32362	PROJECT LOCATION St. (2,12, CT 20050396.	Analysis Request			×××× ch:20 m/s/2 -15			Accepted B Charge Exceptions:	$\sqrt{2\pi}$ C $\sqrt{2/2}$ Reporting and Detection Limit R	Additional Comments:
FUSS & O'NEILL D 146 Hartford Road, Manchester, CT 0 (860) 646-2469 • www.FiandO.com D 1419 Richland Street, Columbia, SC 29	CHAIN-OF-CUSTODY RECO	C.L. C. St. C.L MSH Sml.	REPORT TO: Lonthan Currey Fuse Jud INVOICE TO: Same as above P.O. No: 20050396 A56	s Signature: odes: nitoring Well PV ce Water ST	X=Other Item Transfer Check Sample Number No. 1 2 3 4	10-2180HIChCI / 10	50-5180MChCl 50		Transfer Rechquished By Acc	=1 - Lant - C - V - V	3

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MAYOR DAVID MARTIN

DIRECTOR OF OPERATIONS ERNEST ORGERA



TRAFFIC & ROAD MAINTENANCE SUPERVISOR THOMAS TURK

REGULATORY COMPLIANCE OFFICER

TYLER THEDER OPERATIONS SUPERVISOR DOUGLAS HOYT

OPERATIONS SUPERVISOR PETER J. IANNACCONE

OPERATIONS FOREMAN

September 11, 2014

Mr. Christopher O. Stone, PE Bureau of Materials Management and Compliance Assurance Connecticut Department of Energy and Environmental Protection 79 Elm St. Hartford, CT 06106-5127

<u>Re: Stormwater Monitoring Results for 2012 from six (6) Outfalls per NPDES Permit No. CT0030279,</u> <u>Issued March 18, 2005</u>

Mr. Stone,

Enclosed please find the completed 2012 NPDES Discharge Monitoring Reports (DMRs) for outfall sampling at six (6) locations associated with the City of Stamford MS4 Permit #0030279 issued March 18, 2005. The enclosed DMRs have been modified to cover the monitoring period 1/1/2012 through 12/31/2012. As you are aware, structural and leadership changes occurred within the Water Pollution Control Authority (WPCA) during this time period and the 2012 stormwater sampling was not completed. Therefore, the enclosed DMR's are being submitted to comply with requirements listed per Notice of Violation item 1(a) dated March 5, 2014. In order to remain consistent with previously submitted DMR's (2009 – 2011), Ernie Orgera, Director of Operations, has signed the forms as an authorized agent of the City of Stamford.

The storm event occurred on Wednesday, August 13, 2014. The storm began at approximately 1:45 pm and a collectable discharge was observed by 2:00 pm, at which time the sampling teams were dispatched. The quantity of rainfall for the event occurring on 8/13/14 was 1.37 inches, as provided by the Water Pollution Control Authority (WPCA). Additionally, Weather Underground (www.wunderground.com) data for the White Plains, NY weather station shows a total of 0.96 inches of precipitation occurred on 8/13/14. The previous storm event with a magnitude of >0.1 inch occurred on 8/2/14 with 0.67 inches of rainfall as measured by WPCA. Weather Underground measured the 8/2/14 storm event as 0.23 inches of rainfall in White Plains, NY. Please see attached forms, for your reference.

Due to the travel time accessing the sampling locations, two different sampling crews were dispatched to collect the samples within three (3) hours of the commencement of storm event discharge. Sample Collection times were as follows:

Location 001	3:42PM	Crew #1
Location 002	3:40PM	Crew #2
Location 003	4:15PM	Crew #2
Location 004	4:06PM	Crew #1
Location 00S	4:4SPM	Crew #2
Location 006	4:35PM	Crew #1

Please don't hesitate to contact me if you have any questions or concerns.

Sincerely, 9/11/2014

Tyler L . Theder Regulatory Compliance and Administrative Officer

Cc: Thomas Turk, Ernie Orgera, Margarita Arenas

Discharge Analysis Summary - 2012 Sampling Data

City of Stamford (MS4) Permit Number: CT0030279 issued March 18, 2005 006-1

005-1

004-1

003-1

002-1

001-1

Discharge Serial Number:

discharge enters surface water through a municipal storm sewer: surface water body discharge enters:

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	Stamford Harbor
	Noroton River
	Rippowarn River
	Rippowam River
	Rippowam River
	LIS

Permit Parameter	Method #	Lab						
BODs (mg/L)	SM 5210 B	CET	<5.0	5.0	6.2	5.7	11	<5.0
COD (mg/L)	EPA410.4	CET	23	23	43	45	56	32
TSS (mg/L)	SM 2540 D	CET	5.0	10	27	14	16	5.0
nitrate (mg/L)	EPA300.0	CET	0.19	0.25	0.35	0.62	0.39	<0.10
TKN (mg/L)	EPA351.2	CET	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
total P (mg/L)	EPA365.4	CET	0.16	0.19	0.28	0.46	0.19	<0.10
oil & grease (mg/L)	EPA1664A	CET	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cd (mg/L)	EPA200.7	CET	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cu (mg/L)	EPA200.7	CET	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Pb (mg/L)	EPA200.7	CET	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Zn (mg/Kg)	EPA200.7	CET	<0.02	<0.02	0.036	0.054	0.076	0.054
pH (S.U.)		Fuss & Oneill	6.91	8.69	7.24	6.51	7.00	7.57
hardness as CaCO3 (mg/L)	EPA200.7	CET	11	15	22	150.0	23	4.8
temperature (deg C)		Fuss & Oneill	69.2	68.4	68.5	68.9	69.4	69.3
aquatic toxicity (LC50)	EPA-821-R-02	CET	>100	>100	>100	>100	>100	>100
fecal coliform (col/100 mL)	SM9222D	CET	844	816	1,048	840	956	492
enterococci (col/100 mL)	EPA1600	CET	3,464	2,780	4,250	3,486	3,640	2,184

2012 "makeup" samples collected August 13,2014

CET Lab is Complete Environmental Testing, 80 Lupes Drive, Stratford CT 06615 203-377-9984 uncontainated rain pH 6.84 S.U. **Discharge Analysis Summary - 2011**

Existing Permit Number: CT0030279 City of Stamford (MS4)

Discharge Serial Number:

discharge enters surface water

through a municipal storm sewer:

surface water body discharge enters:

006-1	
005-1	
004-1	
003-1	
002-1	
001-1	

<		Stamford	Harbor
		Noroton	River
		Rippowam	River
		Rippowam	River
		Rippowam	River
		rıs	
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Permit Parameter	Method #	Lab					
BOD5 (mg/L)	EPA405.1	WPCA	20	7.2	13	94	9.6
COD (mg/L)	EPA410.4	WPCA	112	67	58	356	86
TSS (mg/L)	EPA160.2	WPCA	93	44	32	235	45
nitrate (mg/L)	EPA353.2	WPCA	1.1	1.0	0.5	0.4	0.2
TKN (mg/L)	EPA351.2	WPCA	9.3	2.2	1.6	3.4	1.0
total P (mg/L)	EPA365.4	WPCA	0.61	0.24	0.18	0.66	0.11
oil & grease (mg/L)	EPA1664A	Phoenix	3.2	<2.0	<1.9	17	5.7
Cd (mg/L)	SW6010/EPA200.7	Phoenix	<0.001	<0.001	<0.001	0.001	<0.001
Cu (mg/L)	SW6010/EPA200.7	Phoenix	0.028	0.025	0.022	0.097	0.015
Pb (mg/L)	SW6010/EPA200.7	Phoenix	0.061	0.004	0.008	0.055	0.003
Zn (mg/Kg)	SW6010/EPA200.7	Phoenix	0.092	0.082	0.083	0.431	0.112
pH (S.U.)	EPA9040B	WPCA	7.4	7.2	7.6	7.5	7.6
hardness as CaCO3 (mg/L)	SW6010/EPA200.7	Phoenix	98.4	112	27.4	56.6	5.6
temperature (deg C)	EPA170.1	WPCA	13.0	14.0	14.6	15.3	16.0
aquatic toxicity (LC50)	EPA-821-R02-012	NEB	>100%	>100%	>100%	>100%	47.7
fecal coliform (col/100 mL)	SM9222D mFC	WPCA	1,252	7,273	4,455	2,909	144
enterococci (col/100 mL)	EPA1600 MEI	WPCA	111,000	8,455	11,091	21,454	262

location 002 outfall area under construction - no sample - could not find outfall notes: NEB = New England Bioassay

uncontainated rain pH 5.6 S.U. Cd <0.001mg/L Cu 0.036mg/L Pb <0.002mg/L Zn 0.051mg/L Se <0.010mg/L

Discharge Analysis Summary - 2010

City of Stamford (MS4) Existing Permit Number: CT0030279

Discharge Serial Number:

001-1 002-1 003-1 004-1 005-1 006-1

discharge enters surface water

through a municipal storm sewer:

surface water body discharge enters:

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Ripp	owam	Rippowam	Rippowam	Noroton	Stamford
Ŕ	River	River	River	River	Harbor

Permit Parameter	Method #	Lab						
BODs (mg/L)	EPA405.1	WPCA	83	4	6	28	17	10
COD (mg/L)	EPA410.4	WPCA	239	39	52	107	85	58
TSS (mg/L)	EPA160.2	WPCA	7	21	7	13	53	7
nitrate (mg/L)	EPA353.2	WPCA	0.2	1.3	0.4	1.1	0.3	0.2
TKN (mg/L)	EPA351.2	WPCA	2.4	2.0	1.5	1.8	2.0	1.2
total P (mg/L)	EPA365.4	WPCA	1.3	<0.1	<0.1	0.2	0.2	<0.1
oil & grease (mg/L)	EPA1664A	Phoenix	<2.0	<1.9	<1.6	<1.5	4.1	3.4
Cd (mg/L)	SW6010/EPA200.7	Phoenix	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cu (mg/L)	SW6010/EPA200.7	Phoenix	0.014	0.011	0.007	0.023	0.030	0.010
Pb (mg/L)	SW6010/EPA200.7	Phoenix	0.015	0.002	<0.002	0.006	0.018	<0.002
Zn (mg/Kg)	SW6010/EPA200.7	Phoenix	0.035	0.027	0.019	0.086	0.112	0.049
pH (S.U.)	EPA9040B	WPCA	7.3	7.2	6.7	7.3	7.7	6.9
hardness as CaCO3 (mg/L)	SW6010/EPA200.7	Phoenix	69.9	121	78.1	47.0	35.9	7.6
temperature (deg C)	EPA170.1	WPCA	13.1	13.7	13.5	13.5	12.3	12.4
aquatic toxicity (LC50)	EPA-821-R02-012	NEB	>100%	>100%	>100%	>100%	>100%	>100%
fecal coliform (col/100 mL)	SM9222D mFC	WPCA	4,000	351	14,909	1,727	9,000	1,883
enterococci (col/100 mL)	EPA1600 MEI	WPCA	110,000	2,727	58,000	39,000	15,091	1,586

notes: NEB = New England Bioassay

Discharge Analysis Summary - 2009

City of Stamford (MS4) Existing Permit Number: CT0030279

Discharge Serial Number:

discharge enters surface water

through a municipal storm sewer:

surface water body discharge enters:

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105

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LIS	Rippowam	Rippowam	Rippowam	Noroton	Stamford
	River	River	River	River	Harbor

EPA405.1 WPCA 40 9 16 EPA410.4 WPCA 169 51 93 27 EPA410.4 WPCA 169 51 93 27 EPA410.2 WPCA 0.3 0.9 0.4 93 EPA353.2 WPCA 2.3 1.7 1.8 27 EPA355.4 WPCA 2.3 1.7 1.8 0.4 EPA365.4 WPCA 2.3 1.7 1.8 0.4 EPA365.4 Phoenix <1.6 <1.5 <1.4 0.8 SW6010/EPA200.7 Phoenix <0.001 <0.001 <0.001 <0.001 SW6010/EPA200.7 Phoenix 0.005 0.003 0.003 0.004 SW6010/EPA200.7 Phoenix 0.028 0.003 0.014 7.5 SW6010/EPA200.7 Phoenix 0.028 0.003 0.034 0.034 SW6010/EPA200.7 Phoenix 0.028 0.003	Permit Parameter	Method #	Lab						
EPA410.4WPCA1695193EPA10.2WPCA823 27 EPA160.2WPCA823 27 EPA353.2WPCA0.3 0.9 0.4 EPA355.4WPCA 2.3 1.7 1.8 EPA365.4WPCA 2.3 1.7 1.8 EPA365.4WPCA 2.2 0.3 0.4 EPA365.4WPCA 2.2 0.3 0.4 EPA365.4WPCA 2.2 0.3 0.6 SW6010/EPA200.7Phoenix < 1.6 < 1.5 < 1.4 SW6010/EPA200.7Phoenix 0.009 0.002 0.003 SW6010/EPA200.7Phoenix 0.005 0.003 0.004 SW6010/EPA200.7Phoenix 0.028 0.034 0.031 SW6010/EPA200.7Phoenix 0.028 0.034 0.031 SW6010/EPA200.7Phoenix 0.028 0.034 0.031 SW6010/EPA200.7Phoenix 0.028 0.034 0.031 SW6010/EPA200.7Phoenix 37.9 105 60.4 SW6010/EPA200.7Phoenix 37.9 10.7 7.6 <	ODs (mg/L)	EPA405.1	WPCA	40	6	16	9	9	
EPA160.2 WPCA 8 23 27 8 EPA353.2 WPCA 0.3 0.9 0.4 8 23 27 8 EPA353.2 WPCA 0.3 0.9 0.4 9 1.8 9 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.9 1.8 1.9 1.8 1.8 1.8 1.8 1.8 1.8 1.9 1.8 1.9 1.8 1.9 1.8 1.9 1.8 1.9 1.8 1.9 1.8 1.9 1.9 1.9 1.9	0D (mg/L)	EPA410.4	WPCA	169	51	93	38	55	
EPA353.2 WPCA 0.3 0.9 0.4 0.4 EPA351.2 WPCA 2.3 1.7 1.8 1.8 EPA365.4 WPCA 2.3 1.7 1.8 1.8 EPA365.4 WPCA 2.2 0.3 0.8 0.8 EPA365.4 WPCA 2.2 0.3 0.8 1.8 EPA365.4 Phoenix <1.6	SS (mg/L)	EPA160.2	WPCA	8	23	27	8	29	
EPA351.2WPCA 2.3 1.7 1.8 EPA365.4WPCA 2.2 0.3 0.8 EPA365.4WPCA 2.2 0.3 0.8 EPA1664APhoenix <1.6 <1.5 <1.4 SW6010/EPA200.7Phoenix <0.001 <0.001 <0.001 SW6010/EPA200.7Phoenix 0.009 0.022 0.003 0.004 SW6010/EPA200.7Phoenix 0.005 0.003 0.0034 0.031 SW6010/EPA200.7Phoenix 0.028 0.034 0.031 7.1 7.5 SW6010/EPA200.7Phoenix 0.028 0.034 0.031 7.6 SW6010/EPA200.7Phoenix 0.028 0.034 0.031 7.6 SW6010/EPA200.7Phoenix 37.9 105 60.4 7.6 SW6010/EPA200.7Phoenix 37.9 7.1 7.1 7.6 SW6010/EPA200.7Phoenix 37.9 10.6 50.4 SW6010/EPA200.7Phoenix 37.9 10.6 50.4 SW6010/EPA200.7Phoenix 37.9 7.1 7.6 <	trate (mg/L)	EPA353.2	WPCA	0.3	6.0	0.4	0.9	0.4	:
EPA365.4WPCA 2.2 0.3 0.8 EPA1664APhoenix<1.6	KN (mg/L)	EPA351.2	WPCA	2.3	1.7	1.8	1.1	1.6	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	tal P (mg/L)	EPA365.4	WPCA	2.2	0.3	0.8	0.2	0.3	
SW6010/EPA200.7 Phoenix <0.001 <0.001 <0.001 <0.001 < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < </td <td>l & grease (mg/L)</td> <td>EPA1664A</td> <td>Phoenix</td> <td><1.6</td> <td><1.5</td> <td><1.4</td> <td>1.5</td> <td>1.8</td> <td></td>	l & grease (mg/L)	EPA1664A	Phoenix	<1.6	<1.5	<1.4	1.5	1.8	
SW6010/EPA200.7 Phoenix 0.009 0.022 0.009 0.003 0.009 N SW6010/EPA200.7 Phoenix 0.005 0.003 0.004 N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N	d (mg/L)	SW6010/EPA200.7	Phoenix	<0.001	<0.001	<0.001	<0.001	<0.001	
SW6010/EPA200.7 Phoenix 0.005 0.003 0.004 SW6010/EPA200.7 Phoenix 0.028 0.034 0.031 SW6010/EPA200.7 Phoenix 0.028 0.034 0.031 SW6010/EPA200.7 Phoenix 7.1 7.1 7.5	u (mg/L)	SW6010/EPA200.7	Phoenix	600.0	0.022	0.009	0.014	0.022	
SW6010/EPA200.7 Phoenix 0.028 0.034 0.031 EPA9040B WPCA 7.1 7.5 7.5 SW6010/EPA200.7 Phoenix 37.9 105 60.4 EPA170.1 WPCA 14.6 14.7 14.1 EPA821-R02-012 GZA >100% >100% >100% SM9222D mFC WPCA 200,000 est 10,000 15,000	o (mg/L)	SW6010/EPA200.7	Phoenix	0.005	0.003	0.004	0.002	0.016	
EPA9040B WPCA 7.1 7.5 7.5) SW6010/EPA200.7 Phoenix 37.9 105 60.4 7.5 EPA170.1 WPCA 14.6 14.7 14.1 7.5 7.5 EPA202.012 GZA >100% >100% >100% >100% 7.0 M9222D mFC WPCA 200,000 est 10,000 15,000 15,000	(mg/Kg)	SW6010/EPA200.7	Phoenix	0.028	0.034	0.031	0.042	0.064	
) SW6010/EPA200.7 Phoenix 37.9 105 60.4 14.1 EPA170.1 WPCA 14.6 14.7 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1	H (S.U.)	EPA9040B	WPCA	1.7	7.1	7.5	7.1	6.7	
EPA170.1 WPCA 14.6 14.7 14.1 EPA821-R02-012 GZA >100% >100% >100% SM9222D mFC WPCA 200,000 est 10,000 15,000	ardness as CaCO3 (mg/L)	SW6010/EPA200.7	Phoenix	37.9	105	60.4	169	43.8	
EPA821-R02-012 GZA >100% >100% >100% M9222D mFC WPCA 200,000 est 10,000 15,000	mperature (deg C)	EPA170.1	WPCA	14.6	14.7	14.1	15.5	15.3	
) SM9222D mFC WPCA 200,000 est 10,000 15,000	juatic toxicity (LCso)		GZA	>100%	>100%	>100%	>100%	>100%	
	cai coliform (col/100 mL)	SM9222D mFC	WPCA	200,000 est	10,000	15,000	4,909	1,126	
D EPA1600 MEI WPCA 156,000 29,000 47,000	enterococci (col/100 mL)	EPA1600 MEI	WPCA	156,000	29,000	47,000	3,727	18,000	

no sample no discharge

notes:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

City of Stamford ADDRESS: NAME:

888 Washington Boulevard Stamford, CT 06904

LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904 CITY OF STAMFORD FACILITY:

ATTN: MANACON

DISCHARGE NUMBER MONITORING PERIOD PERMIT NUMBER CT0030279

001-1

WM/DD/YYY 12/31/2012 XXXXXXXXX 9 YYYYJOD/MM FROM

06904 DMR Mailing ZIP CODE: MINOR

Stormwater Location 1 External Outfall No Discharge

I yler I heder				4						10	2011
PARAMETER		QUANTITY O	ITY OR LOADING		ō	QUALITY OR CONCENTRATION	ENTRATION		о́Х	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT		*******	*****		******	69.2	H	NA	CIANUAL	aras
00011 1 0 Effluent Gross	PERMIT		429964	*****			Req. Mon. INST MAX	deg F		Annual	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT		+=====	•••••		******	< 2.0	7/62	AN	annal	GRAB
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	#40#60			*****	******	Req. Mon. INST MAX	mg/L	8	Annual	GRAB
Oxygen demand, chem. (low level) (COD)	SAMPLE MEASUREMENT	*****	*****	*****	*****	******	23	7/hu	AN	ennual	GRAS
00335 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****			Req. Mon. INST MAX	mg/L		Annual	GRAB
Hd	SAMPLE MEASUREMENT	400000	******			*****	6.91	Su	AN	amual	GRAS
00400 1 0 Effluent Gross	PERMIT REQUIREMENT						Req. Mon. INST MAX	su		Annual	GRAB
Solids, total suspended	SAMPLE MEASUREMENT			*****			5.0	m3/5	NA	annal	GRAR
00530 1 0 Effluent Gross	PERMIT	*****				51695	Req. Mon. INST MAX	mg/L		Annual	GRAB
Oil & grease	SAMPLE MEASUREMENT						< 5.0	m/r	NA	anne 1	CAS
00556 1 0 Effluent Gross	PERMIT	*****	*****	*****		*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
Nitrogen, nitrate total (as N)	SAMPLE	*****					0.19	mg/L	NA	annual	GRAS
00620 1 0 Effluent Gross	PERMIT REQUIREMENT		*****		999999	44444	Req. Mon. INST MAX	mg/L		Annual	GRAB

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) TYPED OR PRINTED

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Page 1

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Ernie Orgera, Director of Operations NUMBER

AREA Code

DATE

OMB No: 2040-0004

Form Approved

NAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)	DISCHARGE MONITORING REPORT (DMR)
NATIONAL I	

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: City of Stamford ADDRESS: 888 Washington

DRESS: 888 Washington Boulevard Stamford, CT 06904

FACILITY: CITY OF STAMFORD LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904

ATTN: XEXOCX XOVX

CT0030279 001-1
PERMIT NUMBER DISCHARGE NUMBER

FROM X1/01/2012 TO X0/2012 12/31/2012

DMR Mailing ZIP CODE: 06904 MINOR

OMB No. 2040-0004

Form Approved

Stormwater Location 1

External Outfall

No Discharge

Tyler Theder			3103/10/10	1	8						
PARAMETER		QUANTITY	ITY OR LOADING		ð	QUALITY OR CONCENTRATION	CENTRATION		о́Х	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	***		***	44420	*****	0.12	2/fm	NA	amel	cred
00625 1 0 Effluent Gross	PERMIT REQUIREMENT	*****			*14*5*		Req. Mon. INST MAX	J/Bu		Annual	VGRAB
Phosphorus, total (as P)	SAMPLE MEASUREMENT	*****		499449	****	******	0.16	m[/r	NA	annal	Sral
00665 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	*****	222022		Req. Mon. INST MAX	mg/L		Annual	U GRAB
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	*****	****	*****	*****	*****	11	1/1-	MA	annual	1 (al
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	44444			*****	Req. Mon. INST MAX	шg/L		Annual	V GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	*****	****	***	****	448444	< 0.005	2/5	AN	annual	Srad
01027 1 0 Effluent Gross	PERMIT REQUIREMENT		-	400040	****	******	Req. Mon. INST MAX	"Jubu		Annual	VGRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	****	*****		*****	*****	< 0.0H	7/Gm	AUA	annua	Sas
01042 1 0 Effluent Gross	PERMIT REQUIREMENT					*****	Req. Mon. INST MAX	mg/L	T	Annual	GRAB
Lead, total (as Pb)	SAMPLE MEASUREMENT	*****	****	*****	****	*****	<0.03	24	NA	annel	1 per
01051 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	*****		*****	Req. Mon. INST MAX	mg/L		Annual	U GRAB
Zinc, total (as Zn)	SAMPLE MEASUREMENT	844488	++\$\$	909494	*****		< 0. 02	-AL	4v	annul	fres
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	41004				Req. Mon. INST MAX	mg/L		Annual	V GRAB
				j.							

H127/0/ **WINDOWYY** DATE 0 NUMBER 203-977-4141 TELEPHONE AREA Code SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT I territy under praying of law that that advantment and all statichments or terry prepared under my direction to supervisors in no-conditions within strench damped to assue their duptional pervision product made evaluated in information information. Based with supervisor that are support, statication are the information information flowed with the pervisor of pervisors of the pervisor of into pervisor district Networks for equipation galax moderation. The stratication advanced to the first metal of the pervisor of equipation of the pervisor of the pervisor of the pervisor pervisor of the pervisor district Networks for equipation galax moders. This was that there are traditional to the first metal of the metal below of the sections and strateging the presented for the strateging reductions. NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Ernie Orgera, Director of Operations **TYPED OR PRINTED**

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Page 2

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

City of Stamford ADDRESS: NAME:

888 Washington Boulevard Stamford, CT 06904

LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904 CITY OF STAMFORD FACILITY:

ATTN: X6X6X1X KXXXX Tyler Theder

DISCHARGE NUMBER MONITORING PERIOD PERMIT NUMBER

001-1

CT0030279

WM/DD/YYYY 2 01/01/2012 FROM

06904 DMR Mailing ZiP CODE:

MINOR

Stormwater Location 1 External Outfall

No Discharge

PARAMETER		QUANT	QUANTITY OR LOADING		ğ	QUALITY OR CONCENTRATION	ENTRATION		о́Х	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Whole effluent toxicity	SAMPLE MEASUREMENT		****	*	****	*****	001 5	~ ~	Å	NA annual gras	مهمهم
22414 1 0 Effluent Gross	PERMIT REQUIREMENT	444994	641144	*****		435944	Req. Mon. VALUE	%		Annual	GRAB
Enterococci	SAMPLE			****		*****	3,464	Crymar N/		annual	fas
61211 1 0 Effluent Gross	PERMIT REQUIREMENT	44444				*****	Req. Mon. INST MAX	#/100mL		Annual	GRAB
Coliform, fecal general	SAMPLE MEASUREMENT	*****	*****	****		*****	PH4	CFU MA	A c	aunual	L/ab
74055 1 0 Effluent Gross	PERMIT REQUIREMENT		*****			*****	Req. Mon. INST MAX	#/100mL		Annual	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	l settifs savker peradits of law that this discuments and all other himsels were prepured savker my discense or supervision in accordance with a system desugned to assave that qualified personnel property publics and	101	TELEPHONE	DATE
Ernie Orgera, Director of Operations	e shares the information matemized Pando for on magner of the penor of persons this humange the system, or those persons during heavy angle for gathering the information, the information advanted is, to the feet of first Pannichet, and Paleit Tute, accurate, and complete f an invast of his three are equivient in	(m	203-977-4141	9/10/2014
	Pendanes in summing itse mumunen, mensang in pranoun or me and imprisonment to anowing S violations	IGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code NUMBER	MWDDAYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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OMB No. 2040-0004 Form Approved

		NATION	AL POLLUTANT DI DISCHARGE I	SCHARGE E Monitorin	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)	EM (NPDES)				OMBIN	rom approved OMB No. 2040-0004
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	cility Name/Location	if Different)									
NAME: City of Stamford ADDRESS: 888 Washington Boulevard Stamford, CT 06904	ard		CT0030279 PERMIT NUMBER		002-1 DISCHARGE NUMBER	BER		DMR Mailing ZiP CODE: MINOR	ZIP COL	DE: 06904	
	ſ			MONITORING PERIOD	G PERIOD	Π		Stormwater Location 2	ocation 2		
LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904 ATTN: 3630000 000000 Tyler Theder	Q.	FROM	MM/101/2012	777 70 012	MM/DD/YYYY)()()()()()()()()()()()()()()()()()			External Outfall	al	No Dis	No Discharge
PARAMETER		QUANTITY C	TITY OR LOADING		gu	QUALITY OR CONCENTRATION	ENTRATION		ĞЯ	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT			:		800088	68.4	9.F	NA	annual	cas
00011 1 0 Effluent Gross	PERMIT				622250	645364	Req. Mon. INST MAX	deg F		Annual	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT			449444			5.0	211	NA	annal	creats
00310 1 0 Effluent Gross	PERMIT			*****			Req. Mon. INST MAX	mg/L		Annual	GRAB
Oxygen demand, chem. (low level) (COD)	SAMPLE MEASUREMENT		*****	*****		44444	23	mg/c	NA N	annial	r rus
00335 1 0 Effluent Gross	PERMIT		*****	699669			Req. Mon. INST MAX	mg/L		Annai	GRAB
Hd	SAMPLE MEASUREMENT			:	*****	440084	8.69	Sa	AN	amual	Cres
00400 1 0 Effluent Gross	PERMIT	·····	*****	****	44444		Req. Mon. INST MAX	SU		Annual	GRAB
Solids, total suspended	SAMPLE MEASUREMENT						0/	2/6-	4V	annua)	1000
00530 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	*****	*****	44594	Req. Mon. INST MAX	mg/L		Annal	GRAB
Oil & grease	SAMPLE MEASUREMENT						< 5.0	7/8-	NA	aunal	Sent
00556 1 0 Effluent Gross	PERMIT	·····			*****	*****	Req. Mon. INST MAX	mg/L		Annal	GRAB
Nitrogen, nitrate total (as N)	SAMPLE MEASUREMENT						0.25	7/8m	NA	annual	105
00620 1 0 Effluent Gross	PERMIT REQUIREMENT			*****	****		Req. Mon. INST MAX	T/@m		Annual	GRAB
					(-		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		n penuity of law that this document and it accordance with a statent designed to more advented thread on one to	all attachments were prepared un actione that qualified personnel pr	aler my direction or openity guidier and	21	(TELEPHONE	ų		
Ernie Orgera, Director of Operations	1	re statute upe montrations surceases i ranco transition undust or une constant, or these pressons directly responsible for gathering the u to the best of first. Laws beinge and beforf, uses, accurate, and confi pretailines for subsemitting failer mitormalient, including the pussibility pretailines for subsemitting failer mitormalient, including the pussibility	part of the reference of the property of the advected of a strug the reference the reference advected is c, and complete 1 are not atter that there are at publicant the puscibility of time and imperiorments for have ang	ution substituted is there are significant miniment for have ang	1	2		203-977-4141	141	9/11/2	2014
TYPED OR PRINTED	Т	Maria			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	CIPAL EXECUTIVE IORIZED AGENT		AREA Code NI	NUMBER	YYYYDDWM	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

Page 1

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

City of Stamford ADDRESS: NAME:

888 Washington Boulevard Stamford, CT 06904 CITY OF STAMFORD FACILITY:

LOCATION: 888 WASHINGTON BLVD, STAMFORD, CT 06904

ATTN: JAKANAKAX

DISCHARGE NUMBER 002-1 PERMIT NUMBER CT0030279

12/31/2012 YYYY/dd/MM XXXXXXXXX MONITORING PERIOD 9 XYXXXXXXX **WM/DD/YYYY** 01/01/2012 FROM

06904 DMR Mailing ZiP CODE: MINOR

OMB No. 2040-0004

Form Approved

Stormwater Location 2 External Outfall No Discharge

PARAMETER val Nitrogen, Kjeldahl, total (as N) SAMPLE Nitrogen, Kjeldahl, total (as N) MEASUREMENT 00625 1 0 SAMPLE Phosphorus, total (as P) REQUIREMENT Phosphorus, total (as P) REQUIREMENT 00665 1 0 FRMIT Phosphorus, total (as P) MEASUREMENT 00665 1 0 SAMPLE Phosphorus, total (as CO3) MEASUREMENT 00900 1 0 FREMIT Effluent Gross MEASUREMENT 00900 1 0 SAMPLE Cadmium, total (as Cd) MEASUREMENT 01027 1 0 MEASUREMENT	QUANTITY C VALUE 	OR LOADING VALUE	UNITS	-	QUALITY OR CONCENTRATION	CENTRATION		ŠЯ	FREQUENCY OF ANALYSIS	SAMPLE
ahl, total (as N) <u>Resurement</u> MEASUREMENT REQUIREMENT REQUIREMENT I (as CaCO3) <u>RESUREMENT</u> REQUIREMENT I (as CaCO3) <u>RESUREMENT</u> REQUIREMENT I (as Cd) <u>RESUREMENT</u> REQUIREMENT	ALUE	VALUE	UNITS							1
ahi, total (as N) <u>BASUREMENT</u> <u>PERMIT</u> REQUIREMENT REQUIREMENT (as CaCO3) <u>BAMPLE</u> MEASUREMENT I (as CaCO3) <u>BAMPLE</u> MEASUREMENT REQUIREMENT REQUIREMENT I (as Cd) <u>BAMPLE</u> MEASUREMENT REQUIREMENT			-	VALUE	VALUE	VALUE	UNITS			
tal (as P) REQUIREMENT REQUIREMENT MEASUREMENT REQUIREMENT I (as CaCO3) REAUREMENT REQUIREMENT REQUIREMENT I (as Cd) REASUREMENT I (as Cd) REASUREMENT		-		****	420042	017	Non	NA	annual	Cab
Ital (as P) SAMPLE MEASUREMENT REQUIREMENT I (as CaCO3) MEASUREMENT REQUIREMENT REQUIREMENT I (as Cd) SAMPLE MEASUREMENT I (as Cd) SAMPLE	*****			*****	*****	Reg. Mon. INST MAX	mg/L		Annual	U GRAB
I (as CaCO3) REQUIREMENT REQUIREMENT MEASUREMENT REQUIREMENT I (as Cd) REASUREMENT I (as Cd) REASUREMENT REQUIREMENT		***	4 4 5 4 4 4	*****	845884	0.19	NR.	ΨN	annual	(2)
I (as CaCO3) SAMPLE MEASUREMENT REQUIREMENT I (as Cd) SAMPLE MEASUREMENT		995568				Req. Mon. INST MAX	mg/L		Annual	GRAB
I (as Cd) REQUIREMENT REQUIREMENT REQUIREMENT REQUIREMENT REASUREMENT	*****	****	*****	*****		15		MA	amual	Sant
I (as Cd) SAMPLE MEASUREMENT PERMIT	*****			500050		Req. Mon. INST MAX	mg/L		Annual	GRAB
PERMIT	*****	*****	44444	459644		<0.05	2/C	NA	annal	ser 1
	*****			*****	*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
Copper, total (as Cu) SAMPLE	420448	4+2044	44444	469644		< 0.04	WHV	NA 6	annual	LAS I
01042 1 0 PERMIT Effluent Gross	*****		*****		-	Req. Mon. INST MAX	Umg/L		Annual	GRAB
tead, total (as Pb) SAMPLE	448644	4+804	****	449444		<0.013	mgh	NA K	amail	5~2
01051 1 0 PERMIT		*****	*****			Req. Mon. INST MAX	They'L		Annual	GRAB
Zinc, total (as Zn) SAMPLE	448444	****		449444	84440	K0.02	3/4	ty	annel	cab
01092 1 0 PERMIT FIfuent Gross		20000			*****	Req. Man INST MAX	Amg/L		Annual	GRAB

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Ernie Orgera, Director of Operations NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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9/10/2014 **WWDD/WW**

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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DATE

DISCHARGE MONITORING REPORT (DMR)	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Form Approved OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

City of Stamford 888 Washington Boulevard Stamford, CT 06904 ADDRESS: NAME:

LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904 CITY OF STAMFORD FACILITY:

DISCHARGE NUMBER 002-1 MONITORING PERIOD PERMIT NUMBER CT0030279

MXXXXXXXXXX 12/31/2012 WM/DD/YYYY 6 01/01/2012 FROM

MINOR

06904

DMR Mailing ZIP CODE:

Stormwater Location 2 External Outfall

No Discharge

			100		•	ł		
QUANTITY OR LOADING		OU.	QUALITY OR CONCENTRATION	ENTRATION		о́Х	FREQUENCY OF ANALYSIS	SAMPLE
VALUE VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
SAMPLE	44444	*****		001<	、メ	す	UA annual	9/25
PERMIT			44440	Req. Mon. VALUE	%		Annual	GRAB
SAMPLE	*****		8-58-5-5	0%L/2	Crypert NA		annual gras	g as
PERMIT	******		*****	Req. Mon. INST MAX	#/100mL		Annual	V GRAB
SAMPLE	*****		488948	816	ctyan NA		annal	000
PERMIT			*****	Req. Mon. INST MAX	#/100mL	F	Annual	GRAB
EMENT					WWW ICNI			

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Issertion on accordance with a review designed to save that qualifies	I certuity tranker prezulty, of Low that thus decuments and all attackingents, were perpured tranker my directions or supervisions an accordance with a rystem designed to assure that qualified personnel property gather and	0	TELEPHONE	DATE
Emie Ordera Director of Operations	evaluate the information advanted a based on any mature of the prevent or prevent with manage the start, or thus prevent detects responsible for gathering this advantation. this information advantation is but the proof of this handbed way the half. You we call also apped of any out is that there are apparticant in the proof of	m	203-977-4141	7/10/2017
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	ONS (Reference all attachments here)			

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Page 3

*		NATION	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)	SCHARGE EL Monitoring	OLLUTANT DISCHARGE ELIMINATION SYST DISCHARGE MONITORING REPORT (DMR)	em (NPDES)				Form A OMB N	Form Approved OMB No. 2040-0004
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	cility Name/Location	if Different)									
	0		CT0030279		003-1			DMR Mailing ZIP CODE:	ZIP CODE	: 06904	
AUDRESS: 000 Vvasrungion poulevaru Stamford, CT 06904			PERMIT NUMBER		DISCHARGE NUMBER	JEK J	-	NINUK			
				MONITORING PERIOD	S PERIOD	Π		Stormwater Location 3	ocation 3		
LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904	ė		YYYY		YYYY YWNDD/WM	>		External Outfall	all	No Dio	
ATTN: XEXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		FR	FROM XXXXXXXXXX 01/01/2012	112 To	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						No Discharge
PARAMETER		QUANTITY	TITY OR LOADING		ซ	QUALITY OR CONCENTRATION	ENTRATION		N. N. N. N. N. N. N. N. N. N. N. N. N. N	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature water deg. fahrenheit	SAMPLE		504550				68.5	H	NA a	annual	qub
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	1	****	****	*****		Reg. Mon. INST MAX	deg F		Annual	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT		*****	*****	4 4 4 4 4		6.2	TAm	WA a	anual	sers
00310 1 0 Effluent Gross	PERMIT				49945		Req. Mon. INST MAX	ng/L		Annual	GRAB
Oxygen demand, chem. (low level) (COD)	SAMPLE MEASUREMENT		******	*****	*****		413	mfr	NA a	amual	gus
00335 1 0 Effluent Gross	PERMIT		*****		*****	00000	Req. Mon. INST MAX	mg/L		Annual	GRAB
Hd	SAMPLE MEASUREMENT		*****		495849	*****	7.24	NS	NA a	annal	cas
00400 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	*****		*****	Req. Mon. INST MAX	SU		Annual	GRAB
Solids, total suspended	SAMPLE MEASUREMENT		****				12	2/10	MA a	annal	Carl
00530 1 0 Effluent Gross	PERMIT	1T	******	*****		*****	Req. Mon. INST MAX	-mg/L		Annual	GRAB
Oil & grease	SAMPLE MEASUREMENT	NT				*****	< 5.0	24/1	NA a	annal	YE.
00556 1 0 Effluent Gross	PERMIT		*****	40044			Req. Mon. INST MAX	mg/L		Annual	GRAB
Nitrogen, nitrate total (as N)	SAMPLE MEASUREMENT	TN	*****	****	24426	*****	0.35	2/2	NA a	anual	195
00620 1 0 Effluent Gross	PERMIT	TI	******			*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		her periadity of Law that this document an im accordance with a system designed a profession advanticed faced on nor no	d all attachments were prepared un o assure that qualified perswared pr unner of the nermer or persware who	det my directions of operity gather and	Z	10		TELEPHONE	Ħ		
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Page 1

					SCHARGE MONITORING REPORT (DMR)					OMB	OMB No. 2040-0004
PERMITTEE NAME/ADDRESS {Include Facility Name/Location if Different}	cility Name/Location if	Different)									
NAME: City of Stamford ADDRESS: 888 Washington Boulevard Stamford CT 06904	ırd		CT0030279 PERMIT NUMBER		003-1 DISCHARGE NUMBER	BER		DMR Mailing ZIP CODE: MINOR	g ZIP COI	JE: 06904	
FACILITY: CITY OF STAMFORD				MONITORING	G PERIOD	Γ		Stormwater Location 3	Location 3		
LOCATION: 888 WASHINGTON BLVD.	0		VYYY/UU/IMM	~~~	WWDDW	, ,		External Outfall	tfall		
STAMFORD, CT 06904 ATTN: XEXXXX REXXX Tyler Theder		FROM		012 To						No Di	No Discharge
PARAMETER		QUANTITY	TTY OR LOADING		ð	QUALITY OR CONCENTRATION	CENTRATION		С, Х	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrogen, Kjeldahl, total (as N)	SAMPLE		*****		494949	*****	0.12	-Nr.	AN	annal	gras
00625 1 0 Effluent Gross	PERMIT	*****			44444	*****	Req. Mon. INST MAX	1/But		Annual	GRAB
Phosphorus, total (as P)	SAMPLE MEASUREMENT	*****	***	*****		*****	0.28	mle	NA	CLANGE	quip
00665 1 0 Effluent Gross	PERMIT	*****	44064	*****		44644	Req. Mon. INST MAX	-1/6u		Annual	GRAB
Hardness, total (as CaCO3)	SAMPLE	****				445444	22	7184	AN	annal	creb
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	****				20000	Req. Mon. INST MAX	mg/L		Annual	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT					*****	<0.05	ma/r	AN	annel	gab
01027 1 0 Effluent Gross	PERMIT	****	*****		499949	44444	Req. Mon. INST MAX	1/Buy		Annual	GRAB
Copper, total (as Cu)	SAMPLE					******	FO.02	2 Par	NA	amnuel	arb
01042 1 0 Effluent Gross	PERMIT		*****	224552		566550	Req. Mon. INST MAX	mg/L		Annual	GRAB
Lead, total (as Pb)	SAMPLE MEASUREMENT	****		*****	*****		<10.05	2gr	AN	annez/	9.06
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		*****	Req. Mon. INST MAX	mg/L		Annal	GRAB
Zinc, total (as Zn)	SAMPLE MEASUREMENT	*****	*****		000000		0.036	2/5-	NA	annel	5ras
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	****		*****	*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
	- 14.					Ce					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		ventity of law that this document and	all attachments were prepared un assue that qualified personnel po	der zmy darections of operity gather and	1	Y		TELEPHONE	ONE	DATE	w
Ernie Orgera, Director of Operations		er and the up of the proceeding of the process of the processor of the pro	use on use person of second a new manage use entry the neformation. The information adjection , and complete 3 am avise that three are aquaticant the prosolution of farse and anyier second for Anovemp	number of the second of the second se		SA		203-977-4141	4141	191b	HIDZ
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Page 2

Form Approved

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

*			NATIONA	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)	HARGE ELI NITORING	LLUTANT DISCHARGE ELIMINATION SYSTE ISCHARGE MONITORING REPORT (DMR)	(NPDES)				Form A OMB N	Form Approved OMB No. 2040-0004	
PERMITTEE N.	PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	lity Name/Location if L	(flerent)										
NAME: ADDRESS:	City of Stamford 888 Washington Boulevard Stamford CT 06904	q		CT0030279 PERMIT NUMBER		003-1 DISCHARGE NUMBER	H	ΞΣ	DMR Mailing ZIP CODE: MINOR	ZIP COD	E: 06904		
FACILITY:	FACILITY: CITY OF STAMFORD			W	MONITORING PERIOD	PERIOD	[ß	Stormwater Location 3	ocation 3			
LOCATION:	LOCATION: 888 WASHINGTON BLVD. STAMEORD OT 06004	ć		YYYYDD/MM		YYYYQQ/MM		ป	External Outfall	II.		[
1. T			FROM	MORE ACCEPTED	2	XDACXCACX					No Dis	No Discharge	
Tyler Theder	r Theder			01/01/2012		12/31/2012		20				ł	
	PARAMETER		QUANT	QUANTITY OR LOADING		GUI	QUALITY OR CONCENTRATION	ENTRATION		о́Х	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
			VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				

I yler I neder			1000		2						
PARAMETER		QUANT	QUANTITY OR LOADING		٥٢	QUALITY OR CONCENTRATION	ENTRATION		N. EXO	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Whole effluent toxicity	SAMPLE MEASUREMENT	****		*****	*****	416849	>100	バン	VA 6	A annual	g af
22414 1 0 Effluent Gross	PERMIT REQUIREMENT				*****	*****	Req. Mon. VALUE	%		Annual	GRAB
Enterococci	SAMPLE MEASUREMENT	*****	*****			*****	4,250	CFY and	WA I	annal	cas
61211 1 0 Effluent Gross	PERMIT REQUIREMENT	*****					Req. Mon. INST MAX	#/100mL		Annual	GRAB
Coliform, fecal general	SAMPLE MEASUREMENT	456445	*****	*****		46646	1,048	CEY IL	VA k	amme/	cas
74055 1 0 Effluent Gross	PERMIT REQUIREMENT		82028			*****	Req. Mon. INST MAX	#/100mL		Annual	GRAB

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I tertulu under penatitu ud law that that documents and all attackments's were prepared under nay directions or suppertynomen in accordance with a system densigned to assure that qualified personnel property gather sud-	101	TELEPHONE	DATE
Ernie Orgera. Director of Operations	e evaluare the information instruction. Basical can wrappent of the presence or presence who manage the p stem, or those presents directly responsible for galaxing the unformation. The information advantated is to the freest of m. Downloagie and Held, Dire, accase, and complete) and wrate that there are equivalent to	In	203-977-4141	9/10/2014
TYPED OR PRINTED	ן ורועוורד וא אמיתונותי אוור וואירודאומיי. והינושנות נוצ דייזינורווי, מי ונוא שהו נוקידאמוזארה ומ הוויא ותק ו ואלוואמינו	SIGNATORE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code NUMBER	MWDDAYYY
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	DNS (Reference all attachments here)			

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		NATIO	NATIONAL POLLUTANI UJSCHARGE ELIMINATION STSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)		LUTANT DISCHARGE ELIMINATION STAT SCHARGE MONITORING REPORT (DMR)					OMBI	OMB No. 2040-0004
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	cility Name/Locatio.	n il Different)									
NAME: City of Stamford			CT0030279		004-1			DMR Mailing ZIP CODE:	JZIP COL	DE: 06904	
ŝ	ard		PERMIT NUMBER		DISCHARGE NUMBER	BER		MINOR			
FACILITY: CITY OF STAMFORD				MONITORING PERIOD	IG PERIOD	Γ		Stormwater Location 4	ocation 4		
<u></u>	.Q			~~~		>		External Outfall	fall		
STAMFORD, CT 06904		Ĕ	FROM X0X0000X	012 012		·×~				No Dis	No Discharge
			- i						Ň	FREQUENCY	SAMPLE
PARAMETER		GUAI	ULAN II I Y UK LUADING	9	ý				۲ ۲	OF ANALYSIS	TYPE
	3	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	ent	*	*****	469444	*****	6.8.9	¥.	ЛÀ	annal	Sres
00011 1 0 Effluent Gross	PERMIT	NT	4499722			41004F	Req. Mon. INST MAX	deg F		Annal	GRAB
BOD, 5-tay, 20 deg. C	SAMPLE MEASUREMENT	en T	*	****	468645	4 6 6 6 4 6	L:5	7/2m	MA	annel	40h
00310 1 0 Effluent Gross	PERMIT	NT		*****		11011	Req. Mon. INST MAX	mg/L		Annual	GRAB
Oxygen demand, chem. (low level) (COD)	SAMPLE MEASUREMENT	en T		4 8 8 4 8 4		44844	45	24	AN	annel	(rab
00335 1 0 Effluent Gross	PERMIT REQUIREMENT	TN				*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
Hd	SAMPLE MEASUREMENT	enT	:	****		486948	6.51	nς	РЪ	annal	sor
00400 1 0 Effluent Gross	PERMIT REQUIREMENT		62002	499469	*****		Req. Mon. INST MAX	SU		Annual	U GRAB
Solids, total suspended	SAMPLE MEASUREMENT	ENT	*	1			HI	74R	A'A	annal	crab
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	NT		447744		944990	Req. Mon. INST MAX	mg/L		Annual	GRAB
Oil & grease	SAMPLE MEASUREMENT	ENT	****	••••	****		0.5>	2/bu	AN	(muna)	gup
00556 1 0 Effluent Gross	PERMIT	NT	*****		*****	998996	Req. Mon. INST MAX	mg/L		Annuał	GRAB
Nitrogen, nitrate total (as N)	SAMPLE MEASUREMENT	ENT		*	****	*****	29.0	7/5/4	M	annal	gab
00620 1 0 Effluent Gross	PERMIT REQUIREMENT	NT	* * * *				Req. Mon. INST MAX	Omg/L		Annual	GRAB
					(5					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		mder peraity of law that thus decument a n un accordance with a pristern designed on information advention! Maccol an one	tail attachments were prepared un to assure that qualified personnel p warms of the means or present it p	wales my datestion of veryotish gather and	Þ	1 N		TELEPHONE	ONE	DATE	ш
Ernie Orgera, Director of Operations		e statute tre informations remember need for mengano of us prevent we prevent variance term the statute for the prevent stretch responsible for galacing the information, the information information is to the heat of min. Examination and responsible for galacing the information, the information stretch and an use of the stretch of the information in the second for the stretched of the rest of the stretched of	andpart of the parameters persons you athering the talormation, the inform rate, and complete 1 arm aware that to the recedently of these and armerics			۲ ۲		203-977-414	4141	9 /io/	Hor
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Page 1

SIGNATORE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

			DISCHARGE MONITORING REPORT (DMR)	NITORING	REPORT (DMR)					OMBIN	OMB No. 2040-0004
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	ality Name/Location if L	Wfleren()									
NAME: City of Stamford		L	CT0030279		004-1	[Ō	DMR Mailing ZIP CODE:	ZIP COD	E: 06904	
ADDRESS: 888 Washington Boulevard Stamford, CT 06904	Ird		PERMIT NUMBER		DISCHARGE NUMBER	E	Ŵ	MINOR			
FACILITY: CITY OF STAMFORD			WC	MONITORING	PERIOD		õ	Stormwaler Location 4	ocation 4		
LOCATION: 888 WASHINGTON BLVD.	ģ		YYYYJDI/MM		YYYYGD/MM		Ш	External Outfall	lle		l
ATTN: XXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX		FROM	1 X0000000	2 ~X	9(X)X04X					No Dis	No Discharge
		QUANTITY	LOADING		GUA	QUALITY OR CONCENTRATION	ENTRATION		ы. М	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			19239
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT						<1.0		NA	Amuel	sul
00625 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	******	*****	*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
Phosphorus, total (as P)	SAMPLE MEASUREMENT	•••••	****	******	****		0.46	mg r	A C	CLAMER	and
00665 1 0 Effluent Gross	PERMIT	******	*****			*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT				4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	*****	150	2/1-	NA C	annual	cas
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	20000	***		*****		Req. Mon. INST MAX	-T/6m		Annual	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	•				*****	20,005	mg/r	WA .	annual	crab
01027 1 0 Effluent Gross	PERMIT			****	*****	*****	Req. Mon. INST MAX	T/6m		Annual ()	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	•	:				< 0.04	7R.	45V	CLANUE	Cas
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	44644	540084		*****	*****	Req. Mon. INST MAX	mg/L		Annual	GRAB
Lead, total (as Pb)	SAMPLE MEASUREMENT	*****					< 0.013	mg/c	NA 0	annal	Sus
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	489948		*****			Req. Mon. INST MAX	Chorle		Annual	GRAB
Zinc, total (as Zn)	SAMPLE MEASUREMENT	*****				*****	0.054	Pulle !!	NA C	aunal	Cres
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	44444		*****		80000	Req. Mon. INST MAX	mg/L		Annual	GRAB
					(c					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		rativ of law that this document and all to dance with a system designed to ass mation submitted. Reasol on my mquiry	attachments were prepared under α are that qualified personnel propert , of the person or persons when mun.	my duractions of Ny gather and tape the	Tal	4		TELEPHONE	W.		
Ernie Orgera, Director of Operations		in extra, us draw prevato durch the prevaible for galfering the automistice. Use forthermolean advanced in , to the head of the Manubalge and behalf, true, accurate, and compoled. If an anal start that there are prevaibles of prevalues for approximation of the and improvement of the head and introduced in the head of thead of the head of the head of thead of the head of the	up the information, the information of complete I am awate that there . preservative of time and inguisamment		SIGNATURE OF PRINC	OF PRINCIPAL EXECUTIVE OFFICER OR		ËL	141	H197/01/1	
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Form Approved OMR No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Page 2

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)	
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

City of Stamford 888 Washington Boulevard Stamford, CT 06904 ADDRESS: NAME:

LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904 CITY OF STAMFORD FACILITY:

YYYYOD/MM FROM

X3X3X2X04X 12/31/2012 YYYY/DD/MM MONITORING PERIOD 5 X6X64X64X 01/01/2012

DISCHARGE NUMBER

PERMIT NUMBER CT0030279

004-1

Form Approved OMB No. 2040-0004

06904 DMR Mailing ZIP CODE: MINOR

Stormwater Location 4 External Outfall

No Discharge

PARAMETER		QUANT	QUANTITY OR LOADING		ð	QUALITY OR CONCENTRATION	ENTRATION		ĞЖ	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Whole effluent toxicity	SAMPLE MEASUREMENT	****		4 4 8 4 4 4	*****	4 5 6 6 4 5	2015	X	NA (annal	(AS
22414 1 0 Effluent Gross	PERMIT REQUIREMENT		00000		*****	446484	Req. Mon. VALUE	*		Annual	GRAB
Enterococci	SAMPLE MEASUREMENT	*****	****	****	*****	4 5 6 6 4 5	3,486	CFULA	VA	CUMMA!	Carl
61211 1 0 Effluent Gross	PERMIT		44844		11111		Req. Mon. INST MAX	#/100mL		Annual	GRAB
Coliform, fecal general	SAMPLE MEASUREMENT	*****	*****	-	*****	46645	840	CEU NA	NA-	Innino	res.
74055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	699860				Req. Mon. INST MAX	#/100mL		Annual	GRAB

		(Contraction of the second s	13.4.1 - 10 - 5.1.0 - 10 - 10 - 10
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I territy under Frankh, of law that thus decuments and all attachments were pre- appendence with a system designed to assure that quadrance with a system designed to assure that quadrance frac-	It certuits under pestatits on taw that thus decument and all actualizments were perpured trader my directions or experiments on occordance with a system designed to assure that qualified performent property gather and	1 Al	TELEPHONE	DATE
Fruie Ordera, Director of Operations	Finite Organs Director of Operations and the formation advanted based on the pathered by a contrary and the pathered based on the pa	1 pr	203-977-4141	Pice/2011
	pertaines for submutting take miormation, metaling the possibility of time and mperanment for Linoving subfacts	SIGNATOME OF PRINCIPAL EXECUTIVE OFFICER OR		
TYPED OR PRINTED		AUTHORIZED AGENT	AREA Code NUMBER	YYYYYOD/WW
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	ONS (Reference all attachments here)			

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				AONITORING	SCHARGE MONITORING REPORT (DMR)					OMBIN	OMB No. 2040-0004
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	≓lity Name∕Location if D	lifferent)									
NAME: City of Stamford ADDRESS: 888 Washington Boulevard Stamford, CT 06904	pr		CT0030279 PERMIT NUMBER		005-1 DISCHARGE NUMBER	ER		DMR Malling ZIP CODE: MINOR	ZIP COD	E: 06904	
	ç		4	MONITORING PERIOD	3 PERIOD		ω ι	Stormwater Location 5	ocation 5		
LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904 ATTN: JEANAN RANN Tyler Theder	2	FROM	MM/DD/YYYY	10 17 17 17 10 10	MM/DD/YYY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		ш	External Outral		No Dis	No Discharge
PARAMETER		QUANTITY OF	TY OR LOADING		GU	QUALITY OR CONCENTRATION	ENTRATION		Ч. Ко	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT			*****		*****	69.4	1/-	NA 6	amiel	gas
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	+44164	449444	*****	*****		Req. Mon. INST MAX	deg F		Annual	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	*****	440846	*****			II	34	NA 6	annul	503
00310 1 0 Effluent Gross	PERMIT		439449				Req. Mon. INST MAX	mg/L		Annual	GRAB
Oxygen demand, chem, (low level) (COD)	SAMPLE MEASUREMENT					+++++	56	mg/L	NA 6	annal	cres
00335 1 0 Effluent Gross	PERMIT	400000			11221		Req. Mon. INST MAX	Thor.		Annual	GRAB
Hd	SAMPLE MEASUREMENT			*****			7.00	N	WA	Qunda	ras
00400 1 0 Effluent Gross	PERMIT REQUIREMENT		499449		10220	*****	REQ. MON. INST MAX	SU		Annual	GRAB
Solids, total suspended	SAMPLE MEASUREMENT		******	*****		*****	9	24	4M	annal	ca5
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	441144	*****	*****		44439	Req. Mon. INST MAX	Chg/L		Annual	GRAB
Oit & grease	SAMPLE MEASUREMENT	*****	*****	*****		*****	< 2.0	14 VL	NA-	annal	(ab
00556 1 0 Effluent Gross	PERMIT REQUIREMENT		94499				Req. Mon. INST MAX	CAG/L		Annual	GRAB
Nitrogen, nitrate total (as N)	SAMPLE MEASUREMENT	*****		69169		*****	0.39	201	NA	annal	cus
00620 1 0 Effluent Gross	PERMIT REQUIREMENT	40000	20002				Req. Mon INST MAX	Mng/L		Annual	GRAB
						c					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		adity of law that this decument and all solutions with a system decupied to as in mainen adventical basical on ny mour-	l attachimentis were prepared tank sare that qualified personnel pro- r ni the persons or rectants who m	ce its durethant of perify puttier and manage the	g	La A		TELEPHONE	μ	M	Π
Ernie Orgera, Director of Operations		sy sterii or throse periaona duce th responsable for gathering the un to the breat of my luminologies and brief, run, accurate, and comple greathers for submitting failse enformation, including the possibilit todaleeta	mg the information the information solvening is , and complete 1 am aware that there are separitional e juvisibility of time and impresentement for knowing		IGNATURE OF PRIN	CIPAL EXECUTIVE		26	141	10112	12017
TYPED OR PRINTED					AUTHORIZED AGENT	HORIZED AGENT	_	AREA Code NL	NUMBER	YYYYYOO/WWW	٦

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Page 1

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

			DISCH	ARGE MON	ITORING	SCHARGE MONITORING REPORT (DMR)						
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	cikty Name/Location	if Different)										
NAME: City of Stamford ADDRESS: 888 Washington Boulevard Stamford, CT 06904	ard		CT00	CT0030279 RMIT NUMBER		005-1 DISCHARGE NUMBER	ER	-	DMR Mailing ZIP CODE: MINOR	g ZIP COD	E: 06904	
FACILITY: CITY OF STAMFORD	Ę			NOM NO	MONITORING PERIOD	PERIOD	Π	., .	Stormwater Location 5 External Outfall	Location 5 Itali		
ATTN: XENORDY CT 06504	j.		FROM	XXXXXXXXXX XXXXXXXXXX 01/101/2012	P T						No Di	No Discharge
PARANETER		au	QUANTITY OR LC	R LOADING		đ	QUALITY OR CONCENTRATION	ENTRATION	2	Ϋ́Υ	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	-	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrogen, Kjeldahl, total (as N)	SAMPLE MEASUREMENT	NT				******		<1.0	2/2	NA C	annial	900
00625 1 0 Effluent Gross	PERMIT	1T				*****		Req. Mon. INST MAX	ng/L		Annual	U GRAB
Phosphorus, total (as P)	SAMPLE MEASUREMENT	NT					****	0.19	Mr.	MA	annal	arb
00665 1 0 Effluent Gross	PERMIT	4T	*****		*****	*****		Req. Mon. INST MAX	1/Buly		Annual	0 GRAB
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	NT	******			*****		23	2hr	WA	annal	res
00900 1 0 Effluent Gross	PERMIT	Ty	*****			*****		Req. Mon. INST MAX	1/Buy		Annual	0 GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	NT	*			*****		<0.05	2/6	AN	annal	nab
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01042 1 0 Effluent Gross	PERMIT	TV TV					*****	Req. Mon. INST MAX	-mg/L		Annual	GRAB
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01051 1 0 Effluent Gross	PERMIT REQUIREMENT	۲۲	•					Req. Mon. INST MAX	Vmg/L		Annual	CRAB
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01092 1 0 Effluent Gross	PERMIT	4T	*****				•••••	Req. Mon. INST MAX	mg/L		Annual	GRAB
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Page 2

Form Approved OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)	ility Name/Location if D	flerent)									
NAME: City of Stamford ADDRESS: 888 Washington Boulevard Stamford, CT 06904	p		CT0030279 PERMIT NUMBER		005-1 DISCHARGE NUMBER	L L L L L L L L L L L L L L L L L L L		DMR Mailing ZIP CODE: MINOR	zip code	06904	
FACILITY: CITY OF STAMFORD LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904 ATTN: XENDYOR XONN	Ġ	FROM	7,000000000000000000000000000000000000	MONITORING PERIOD	РЕКІОD ММІОБ/ҮҮҮ X(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			Stormwater Location 5 External Outfall	cation 5	No Di	No Discharge
I yler I neder		QUANTITY	TTY OR LOADING		GU	QUALITY OR CONCENTRATION	CENTRATION		NON NON NON	FREQUENCY	SAMPLE
PAKAME LEK		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Whole effluent toxicity	SAMPLE MEASUREMENT	****	8 Q Q Q U		*		> 100	~	NA Qu	annial	c/as
22414 1 0 Effluent Gross	PERMIT REQUIREMENT	*****			***	*****	Req. Mon. VALUE	%		Annual (GRAB
Enterococci	SAMPLE	*****	*****			*****	3,640	CFY WALA		annal	904
61211 1 0 Effluent Gross	PERMIT	114550	448944	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Req. Mon. INST MAX	#/100mL		Annual	GRAB
Coliform, fecal general	SAMPLE MEASUREMENT	*****	*****	474847	****	424444	956		NA a	annal	ces
74055 1 0 Effluent Gross	PERMIT		44884				Req. Mon. INST MAX	#/100mL		Annual	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certury tander penadry of law that thus do cannot and all altachments water preputed tander on directions or directions of law that the second and all altachments water but to the law of the second direct with a restand to searce that to the law of the properties and		TELEPHONE	DATE
	_		203-977-4141	9/10/20V
Ernie Orgera, Director of Operations	pruntines for sufferenting false unformation, including the prospiration of two and improvements for harwing SIGNA TUBE OF PRINCIP	AL EXECUTIVE OFFICER OR		
TYPED OR PRINTED	AUTHORIC	IZED AGENT	AREA Code NUMBER	

Page 3

Form Approved OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

ATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)	DISCHARGE MONITORING REPORT (DMR)
NATIONAL P	

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: City of Stamford ADDRESS: 888 Washington Bo

DDRESS: 888 Washington Boulevard Stamford, CT 06904

FACILITY: CITY OF STAMFORD LOCATION: 888 WASHINGTON BL

-OCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904

006-1	DISCHARGE NUMBER	MONITORING PERIOD
CT0030279	PERMIT NUMBER	MONITO

MM/DD/YYYY MM/DD/YYYY XXXXXXXXX U1/U1/2012 12/31/2012

FROM

DMR Mailing ZIP CODE: 06904 MINOR

OMB No. 2040-0004

Form Approved

Stormwater Location 6

External Outfall

No Discharge

		QUANT	QUANTITY OR LOADING	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ð	QUALITY OR CONCENTRATION	CENTRATION		<u>Ö</u>	FREQUENCY OF ANALYSIS	SAMPLE
PARAMETER									5		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	1				******	61.3	°F	٨A	annal	302
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	****	*****				Req. Mon. INST MAX	deg F		Annual	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT						< 5.0	Mc	ž	annal	gert
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	455844	20000		41110	******	Req. Mon. INST MAX	mg/L		Annual	CRAB
Oxygen demand, chem. (low level) (COD)	SAMPLE MEASUREMENT		*****	*****			32	26	NA	annal	Ser
00335 1 0 Effluent Gross	PERMIT	******	*****	*****	*****		Req. Mon. INST MAX	-mg/L		Annual	GRAB
Н	SAMPLE	*****	*****			*****	7.57	Mr.	A	annal	gas
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****		810010	*****	Req. Mon INST MAX	SU		Annual	U GRAB
Solids, total suspended	SAMPLE MEASUREMENT			*****			5,0	210	AM	anna	Spor
00530 1 0 Effluent Gross	PERMIT REQUIREMENT		20020	*****			Req. Mon. INST MAX	mg/L		Annual	GRAB
Oil & grease	SAMPLE MEASUREMENT		*****	*****		*****	< 5.0	Mak	AN	hound	guid
00556 1 0 Effluent Gross	PERMIT	*****					Req. Mon. INST MAX	1/Bul		Annual	GRAB
Nitrogen, nitrate total (as N)	SAMPLE MEASUREMENT		*****		******		< 0.10	2 F	A	annual	gab.
00620 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	94554		Req. Mon. INST MAX	-Ug/L		Annual	GRAB

P105/01/P **YYYYOOWW** DATE NUMBER 203-977-4141 TELEPHONE AREA Code SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT I certify under prantify of law that thus decument and all attachments were preprinted under ray, dure that are apprentionen an accountee with a stream charginal of a neare that updited by research (price the plants and experiments are accountee with a responsible for gathering the indiramment. The indiramment advertued is a starm, or those previous during the previous of gathering the indiramment, the indiramment advertued is to the free of my. Lawnologies and befold two, excessing the protored of a more that profile approxant products of the experimenting the protections. NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Ernie Orgera, Director of Operations TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

Page 1

			DISCHARGE M	ONITORING	DISCHARGE MONITORING REPORT (DMR)						
PERMITTEE NAME/ADDRESS <i>(Include Facility Name/Location if Different)</i> NAME: City of Stamford ADDRESS: 888 Washington Boulevard	ility Name/Location i Id	L	CT0030279 PERMIT NUMBER		006-1 DISCHARGE NUMBER		ΩΣ	DMR Mailing ZIP CODE: MINOR	ZIP CODE	06904	
Stamford, CI 06904 FACILITY: CITY OF STAMFORD				MONITORING	PERIOD	Г	ŝ	Stormwater Location 6	ocation 6		
<u></u>	D.		YYYY	×			ш	External Outfall	II	:	[
STAMFORD, CI UB904 ATTN: XEXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		FROM	X0XXXXXXXX X0XXXXXX 01/01/2012	2 7	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					No Dis	No Discharge
		QUANTITY	OR LOADING		GU	QUALITY OR CONCENTRATION	ENTRATION		о М	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrogen, Kjeldahl, total (as N)	SAMPLE				****		0./>	J/F	NAA	annal	ger
00625 1 0 Effluent Gross	PERMIT	*****				÷	Req. Mon. INST MAX	тg/L		Annual	GRAB
Phosphorus, total (as P)	SAMPLE		*****		4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	+=+++++++++++++++++++++++++++++++++++++	<0.10	7/2	NAG	annal	deep
00665 1 0 Effluent Gross	PERMIT		etete				Req. Mon. INST MAX	mg/L		Annual	GRAB
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT			4 5 4 5 5	944994	4 5 5 5 5 5	<u>с,</u> 1,	J/L	A A	awal	sos
00900 1 0 Effluent Gross	PERMIT REQUIREMENT	****	satesa	*****	*****	*****	Req. Mon. INST MAX	-mg/L		Annual	GRAB
Cadmium, total (as Cd)	SAMPLE MEASUREMENT			4 2 4 4 4 5	*****		<0.005	22	A A a	aunual	gras
01027 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	400400	•••••	*	Req. Mon. INST MAX	Mar		Annual	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT		*****			*****	< 0.04	Z	4 T	annal	ges
01042 1 0 Effluent Gross	PERMIT REQUIREMENT				*****		Req. Mon. INST MAX	T/6w		Annual	GRAB
Lead, total (as Pb)	SAMPLE MEASUREMENT			*****	******	*	< 0.013	7/0	4 V	annua	gab
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	L			**	8 8 8 8 8 8 8	Req. Mon. INST MAX	Ъſ		Annual	GRAB
Zinc, total (as Zn)	SAMPLE	****** L	****	4 7 4 8 8 9	****	*****	Ó.054	200	N-	EMNER	gab.
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	T		*****		****	Req. Mon. INST MAX	AP1		Annual	GRAB
	2										
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Ernie Orgera, Director of Operations		n stern, or thuse persons date city responsible (or gabiering the us to the best of rm. Luovicheke and belief, thue, actuale, and comp permittes for submitting false micimaired, and industry the possibilit tublitures.	the information, the information of the inter- complete 1 am aware that the suit-line of fine and imprison		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	COPAL EXECUTIVE		203-977-4141	4141 NUMBER	7/10/120	FU2
TYPED OR PRINTED							-				

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Form Approved OMB No. 2040-0004

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Page 2

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)	DISCHARGE MONITORING REPORT (DMR)	
P		

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

q	in Boulevard
City of Stamford	888 Washington Boulevard
NAME:	ADDRESS:

Stamford, CT 06904

FACILITY: CITY OF STAMFORD

LOCATION: 888 WASHINGTON BLVD. STAMFORD, CT 06904

ATTN: XEXXXX XXXX Tvier Theder

PERMIT NUMBER 006-1
DISCHARGE NUMBER
MONITORING PERIOD

 MONILORING FERIOD

 MM/IDD/YYYY
 MM/IDD/YYY

 FROM
 X(X(X)X(X)X)

 01/01/2012
 TO
 X()X(3/00)

DMR Mailing ZIP CODE: 06904 MINOR

Form Approved OMB No. 2040-0004

> Stormwater Location 6 External Outfall

No Discharge

								Ž	D. FREQUENCY		MPLE
PARAMETER		QUANT	QUANTITY OR LOADING		ď	QUALITY OR CONCENTRATION	ENIKATION	ш	EX OF ANAL		TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	_		
Whole effluent toxicity	SAMPLE Measurement		***	***	448464	456646	201	Y X	4 ann	annual grab	-5
22414 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	*****	*****	*****	VALUE	*	Annual	2	GRAB
Enterococci	SAMPLE				*****	*****	2,184	CPYLAN NI	Jun NA annal	Jal Sab	-22
61211 1 0 Effluent Gross	PERMIT REQUIREMENT	****					Req. Mon. INST MAX	#/100mL	Annual	2	GRAB
Coliform, fecal general	SAMPLE MEASUREMENT		****		499449		492	CFY LEAL NA	A ann	durnal your	
74055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****				*****	Req. Mon. INST MAX	#/100mL	Annual	2	GRAB

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

Page 3

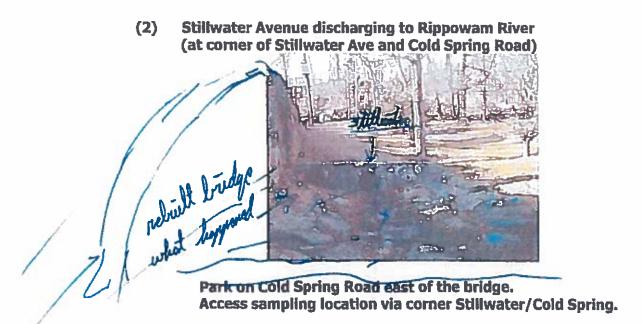


Storm drains representing residential areas:

(1) end of Shippan Avenue discharging into Long Island Sound



Park on Shippan Ave at the very end of the street. Access sampling location via stairway down to the beach.



Stamford MS4 Stormwater Permit Sampling Locations Page 2 of 3

Storm drains from commercial areas:

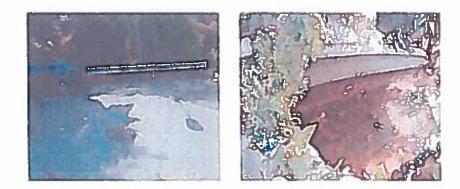
Fourth Street discharging into the Rippowam River (3) (located on Washington Blvd opposite Fourth Street) Twowed product party



Park at very end of Fourth Street near Washington Bivd; enter Fourth from Bedford or Summer Streets. Access sampling location by crossing Washington Blvd; locate elevated walkway area along river's edge.

(4) Division Street discharging into the Rippowam River

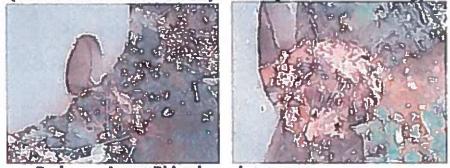
Park at end of Division Street. Access sampling location beyond guardrail at end of street.



Stamford MS4 Stormwater Permit Sampling Locations

Storm drains from industrial areas:

(5) Research Drive area discharging into Noroton River (outfall located at end of Popiar St adjacent to Lesco Bidg)

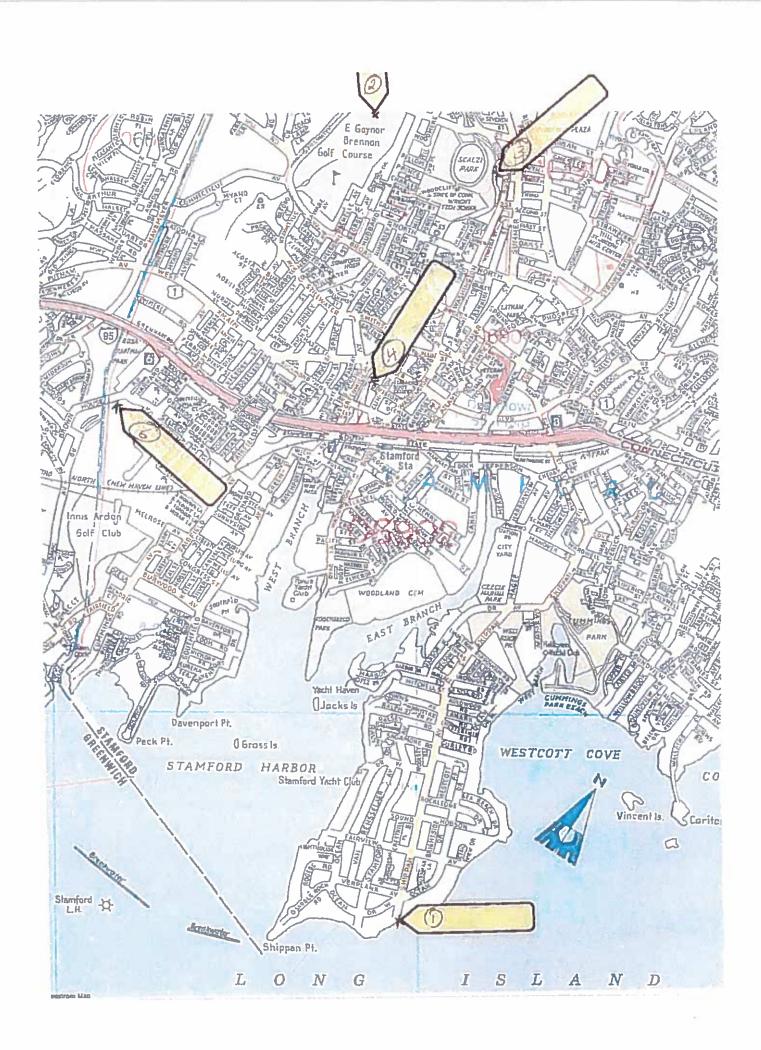


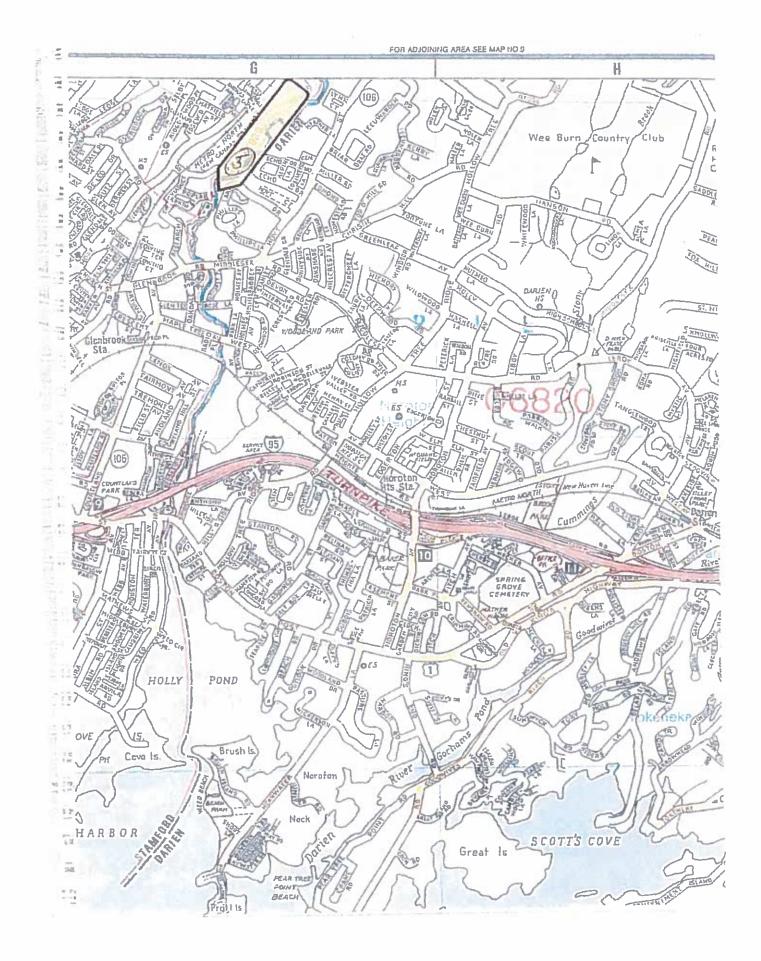
Park near Lesco Bidg along river. Access sampling location behind guardrail and shrubs.

(6) West Avenue area discharging to Stamford Harbor (location is at Selleck Street opposite Harvard Avenue)



Park in lot of Entenmann's Distribution Center. Access manhole at corner of building near lightpole.

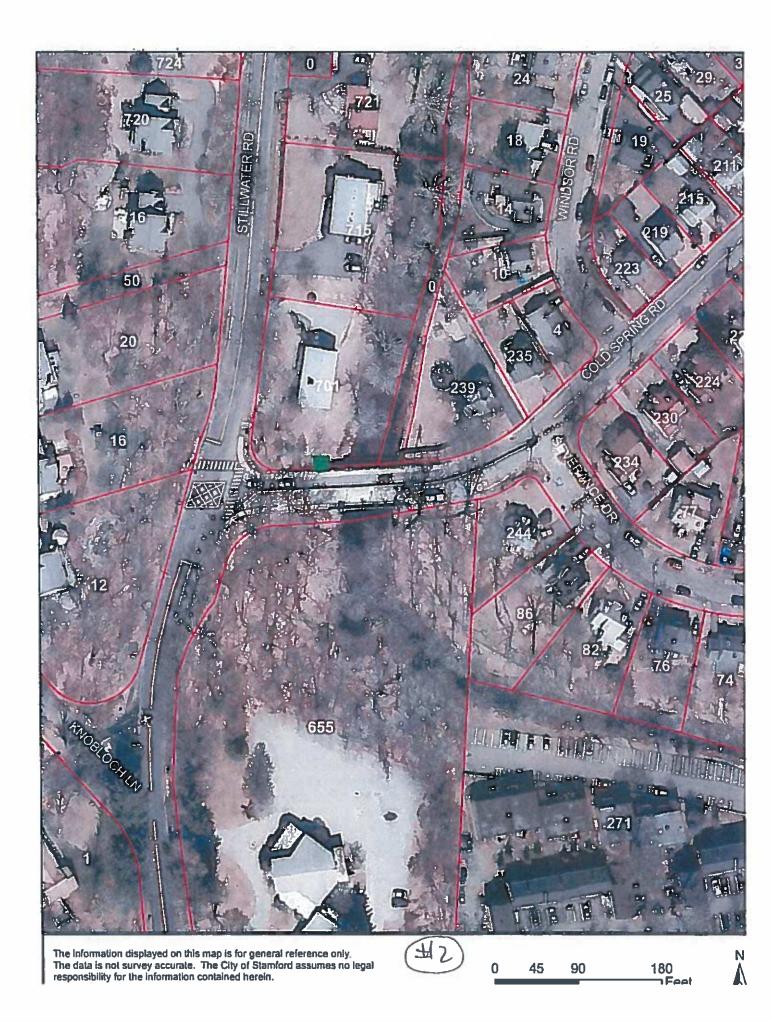




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The information displayed on this map is for general reference only. The data is not survey accurate. The City of Stamford assumes no legal responsibility for the information contained herein.











Theder, Tyler

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« Previous Month				Next Month »	
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	Max	Avg	Min	Sum	
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Cooling Degree Days (base 65)	12	6	0	171	
Growing Degree Days (base 50)	28	20	12	632	Tr
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Dew Point	74 °F	59 °F	47 °F		past wind
Precipitation					Date
Precipitation	0.96 in	0.06 in	0.00 in	1.73 in	Au
Snowdepth	23	G	2		

Tyler L. Theder Regulatory Compliance and Administrative Officer City of Stamford Office of Operations – Traffic and Road Maintenance | 90 Magee Ave | Stamford CT 06902 | t (203) 977-5281

Theder, Tyler

	« Previous month			« 2013		August 2014	4		2015 %			Z	אבאו שטוונוו ש
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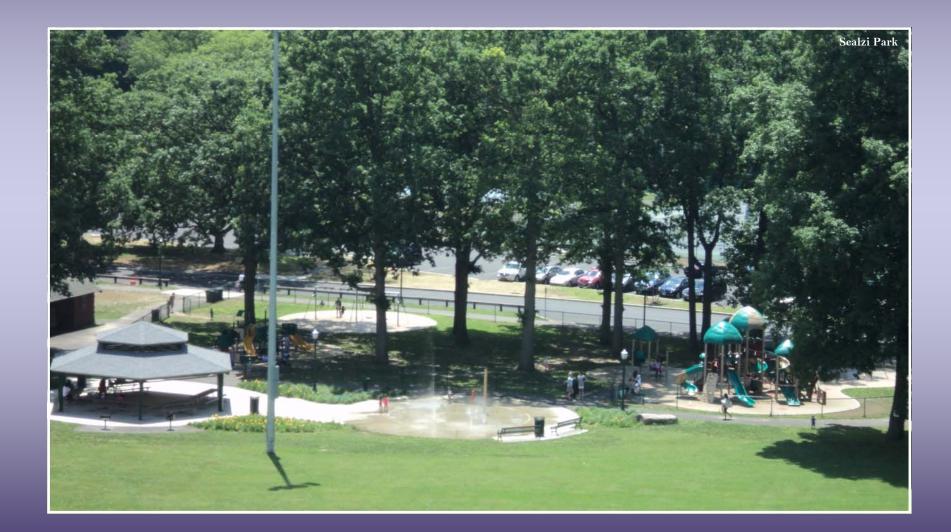
APPENDIX K

ANNUAL BUDGETS: 2013 – 2014 AND 2014 – 2015

ANCHOR Engineering Services, Inc.

2013-2014 CAPITIAL BUDGET

City of Stamford Adopted Capital Budget Fiscal Year 2013-2014



Michael A. Pavia, Mayor

Table of Contents

MAYOR'S TRANSMITTAL MESSAGE	i
CAPITAL BUDGET BY CATEGORY	1
CAPITAL BUDGET BY ACTIVITY	2
CAPITAL BUDGET BY AGENCY	3
PROJECTED SOURCES OF CAPITAL FUNDING	4
CAPITAL BUDGET SUMMARY BY DEPARTMENT	5
CAPITAL BUDGET FINANCING SUMMARY	6

General Obligation - Long Term Financing

0211 - Op	perations: Public Services - Traffic & Road Maintenance	
CP370	1 (0381) STORM DRAIN CONVERSION AT CITY & TOWN YARD GARAGES	7
NEW	(0383) EQUIPMENT STORAGE CANOPY AT CITY GARAGE	8
0214 - Op	perations: Public Services - Solid Waste	
CP656	4 (0196) SCALE UPGRADE	9
CP656	5 (0038) SOLID WASTE BUILDING RENOVATION	10
0220 - Op	perations: Engineering - Engineering	
CP009	3 (0025) SCOFIELDTOWN PARK DESIGN AND REMEDIATION	11
C56182	2 (0005) STREET PATCH & RESURFACING	12
C56123		13
CP322	20 (0081) MAJOR BRIDGE REPLACEMENT	14
	2 (0019) CITY WIDE STORM DRAINS	15
CP421	1 (0043) DOWNTOWN SIDEWALK RECONSTRUCTION	16
C56129	9 (0039) CITYWIDE MANHOLE & BASIN	17
CP667	0 (0054) ANIMAL SHELTER	18
CP021	1 (0042) ENVIRONMENTAL COMPLIANCE	19
C56119		20
CP107	4 (0180) PINE HILL DRAINAGE	21
CP011	4 (0028) STREET LIGHTING INFRASTRUCTURE UPGRADE	22
CP128	3 (0044) CHESTNUT HILL ROAD RECONSTRUCTION	23
CP107	5 (0120) SKYMEADOW DRIVE DRAINAGE IMPROVEMENT	24

CP13	72 (0061)	OAKDALE ROAD CULVERT AND CATCH BASINS	25
CP22	20 (0012)	MAJOR BRIDGE REPAIRS AND DESIGN	26
NEW	(0094)	DAVENPORT STREET DRAINAGE	27
CP52	08 (0181)	ROXBURY ROAD DRAINS	28
NEW	(0182)	MYANO LANE RECONSTRUCTION	29
0221 - O	peration	ns: Engineering - Traffic Engineering	
CP01	16 (0029)	HENRY STREET @ ATLANTIC STREET INTERSECTION IMPROVEMENTS	30
CP30	36 (0130)	OAKLAWN AVENUE IMPROVEMENTS	31
C561	74 (0046)	CITYWIDE SIGNALS	32
C534	28- (0129)	LARGO DRIVE @ HOPE STREET - IMPROVEMENTS	33
CP12	81 (0077)	ROADWAY DESIGN AND RECONSTRUCTION	34
C562	11 (0176)	CONCEPT DESIGN FOR INTERSECTION IMPROVEMENTS	35
CP32	21 (0084)	SCHOOL ZONE FLASHERS	36
CP20	57 (0103)	EMERGENCY BACK UP POWER FOR TRAFFIC SIGNALS	37
	• • •	TRAFFIC CALMING IMPLEMENTATION	
CP52	31 (0085)	SAFE ROUTES TO SCHOOLS	39
	. ,	WATERSIDE VILLAGE STREETSCAPE IMPROVEMENTS	
CP65	70 (0095)	LED TRAFFIC LIGHT CONVERSION	41
CP20	· · ·	STAMFORD FERRY TERMINAL - FERRY BOAT DISCRETIONARY FUNDS	
NEW	,	STILLWATER ROAD @ ROXBURY ROAD AND LONG RIDGE ROAD	
NEW	,	COLD SPRING ROAD @ WASHINGTON BOULEVARD	
NEW	. ,	PARKING GUIDANCE SYSTEM	
NEW	(0128)	TRAFFIC SIGNAL UPGRADE - PHASE G1	46
NEW	• •	WESTOVER ROAD @ MERRIEBROOK LANE	
NEW	(0148)	TRAFFIC SIGNAL COMMUNICATION AND CONTROL HARDWARE UPGRADE	48
NEW	(0149)	TRAFFIC SIGNAL CABINET REPLACEMENT	49
C561	72 (0174)	STILLWATER ROAD INTERSECTIONS	50
NEW	(0183)	OPTICAL FIRE PRE-EMPTION	51
	· · ·	ATLANTIC STEET RECONSTRUCTION	
C562	69 (0275)	SIGNAL COMPUTERIZATION	53
NEW	(0399)	STREET CAR SYSTEM	54
0230 - O	peration	ns: Land Use - Administration	
CP00	42 (0251)	MASTER PLANS	55
CP38	10 (0405)	VETERANS PARK MASTER PLAN	56
NEW	(0404)	URBAN FORESTRY MASTER PLAN	57
0260 - O	peration	ns: Administration - Maintenance Parks	
CP30	15 (0375)	SCALZI PHASE 3	58
CP30	38 (0397)	GOVERNMENT CENTER RENOVATIONS	59
C562	72 (0171)	PARK LIGHTING	60
CP34	16 (0387)	CURTAIN CALL INTERIOR RENOVATIONS	61

CP52	216 (0033)	LATHON WIDER COMMUNITY CENTER	62
CP92	238 (0020)	YERWOOD CENTER RENOVATIONS	63
CP36	695 (0114)	TERRY CONNERS RINK UPGRADES	64
CP37	700 (0371)	NEW CUMMINGS PARK PHASE 1	65
C560	079 (0173)	FENCING & GUARD RAILS	66
C562	259 (0216)	GAME COURTS	67
CP02	233 (0285)	GENERATORS	68
CP37	775 (0374)	DORTHY HEROY COMPLEX PHASE 1	69
	· · ·	TOWN YARD UPGRADES	
CP38	805 (0379)	HEATING SYSTEM REPLACEMENT	71
CP7	100 (0058)	GLENBROOK COMM CTR CONSTRUCTION	72
C561	139 (0169)	PLAYGROUND REHABILITATION	73
	,	CITYWIDE ELECTRICAL SYSTEM UPGRADE	
	,	COVE ISLAND BARN RESTORATION	
		PAVING & DRAINAGE	
	,	ROOF REPLACEMENT/REPAIR	
	· · ·	BUILDINGS & UTILITIES	
	,	ATHLETIC FIELDS RENOVATION	
NEW	· · ·		
NEW	,	BARRETT PARK BUILDING REPLACEMENT	
NEW	()		
NEW	· · ·	ROSA HARTMAN PHASE 2	
NEW		JACKIE ROBINSON PHASE 3	
		LEASED FACILITIES CAPITAL REPAIRS.	85
)310 - O	Office of	Public Safety, Health & Welfare - Director	
C630	005- (0388)	FIRE APPARATUS	86
)330 - P	olice - D	Department Wide	
		JAIL CELL UPGRADE	87
	, ,	POLICE HEADQUARTERS INFRASTRUCTURE IMPROVEMENTS	
NEW	· · ·		
		Emergency Communications Center	00
		GENERATOR REPLACEMENT	90
)342 - T	he Big F	ive Volunteer Fire Depts - Belltown	
CP53	340 (0059)	BELLTOWN BUILDING & EXTERNAL IMPROVEMENTS	91
)343 - T	'he Bia F	ive Volunteer Fire Depts - Glenbrook	
	-		92
		Five Volunteer Fire Depts - Long Ridge	52
	-		
NEW	,	REPAVE PARKING LOT AND SITE DRAINAGE	
NEW	V (0160)	ROOF REPLACEMENT	94

0345 - The Big Five Volunteer Fire Depts - Springdale

	CP9461	(0057) SPRINGDALE BUILDING & EXTERNAL IMPROVEMENTS	95
	NEW	(0361) SPRINGDALE IMPROVEMENTS INTERIOR RENOVATIONS	96
034	6 - The	Big Five Volunteer Fire Depts - Turn of River	
	NEW	(0139) CODE COMPLIANCE TOR STATION #1 SPRINKLER SYSTEM	97
	NEW	(0140) ROOF REPLACEMENT TOR STATION #2	98
	NEW	(0141) WINDOW & DOOR REPLACEMENT TOR STATION #2	99
	NEW	(0143) APPARATUS FLOOR HEATERS STATION 1	100
	NEW	(0144) STATION 2 BOILER REPLACEMENT	101
	NEW	(0363) PARKING LOT REPLACEMENT	102
	NEW	(0364) TOR STATION 1 ADDITION	103
	NEW	(0367) ELEVATOR STATION #1	104
035	1 - Star	nford Fire & Rescue - Department Wide	
	C46038	(0217) FIRE TRAINING CENTER	105
		(0164) WEST SIDE FIRE STATION	
		(0062) HYDRANT REPLACEMENT	
		(0373) CENTRAL FIRE HEADQUARTERS RENOVATION	
		(0040) FACILITIES IMPROVEMENTS	
		(0083) EAST SIDE FIRE STATION	
	NEW	(0165) SOUTH END FIRE STATION	
	NEW	(0166) FIRE MAINTENANCE GARAGE	112
037	0 - Smi	th House - Smith House	
		(0401) SOLAR CONVERSION OF HEATING, DOMESTIC HOT WATER AND ENERGY SUPPLY	
		(0132) ROOF REPLACEMENT	
		(0050) CHILLER REPLACEMENT	
		(0073) COMMUNICATION IMPROVEMENT.	
	NEW	(0121) GENERATOR REPLACEMENT	
	NEW	(0167) WINDOW REPLACEMENT.	118
050		ce of the Mayor - Community Development	
	C46047	(0014) HOUSING DEVELOPMENT FUND	119
066	0 - Star	nford Historical Society - Capital	
	CP2061	(0053) HISTORICAL SOCIETY BUILDING UPGRADES AND REHABILITATION	120
067	0 - Sco	field Manor - Capital	
	CP1284	(0067) REPLACE EMERGENCY GENERATOR	121
		(0055) SCOFIELD BLDG IMPROVEMENT & EXTERIOR REPAIRS	
	NEW	(0342) SCOFIELD MANOR IMPROVEMENTS INTERIOR RENOVATIONS	123
068	0 - Star	nford Museum - Capital	
	C43034-	(0123) MULTI-USE BUILDING CONSTRUCTION	124

CI	P3343 ((0133)	SITE & INFRASTRUCTURE IMPROVEMENTS	125
CI	P1683 ((0047)	WATER LINE CONNECTION	126
CI	P3680 ((0052)	MAIN BUILDING RENOVATION	127
N	EW ((0122)	OBSERVATORY RENOVATION	128
0690 -	Fergu	uson	Library - Capital	
C	56080	(0018)	MAIN LIBRARY BUILDING RESTORATION	129
CI	P3083 ((0064)	DIGITIZATION & PRESERVATION OF LOCAL DOCUMENTS	130
N	EW ((0078)	COMMUNITY CENTER LIBRARIES	131
N	EW ((0105)	MATERIAL CONTROL SYSTEM FOR BRANCHES	132
NE	EW ((0111)	HARRY BENNETT BRANCH RENOVATION	133
N	EW ((0115)	FEASIBILITY STUDY FOR BRANCH EXPANSION	134
N	EW ((0117)	BOOKMOBILE REPLACEMENT	135
0695 -	Bartl	ett A	rboretum - Capital	
CI	P3239 ((0347)	BARTLETT ARBORETUM - TIE IN TO CITY WATER SUPPLY	136
CI	P3804 ((0348)	BARTLETT ARBORETUM SITE AND INFRASTRUCTURE IMPROVEMENTS	137
N	EW ((0349)	BARTLETT ARBORETUM - NEW WATER SUPPLY - WELLS/RETENTION	138
N	EW ((0360)	BARTLETT ARBORETUM - GREENHOUSE REHABILATATION	139
CLC -	Child	care	Learning Center - Capital	
CI	P3803 ((0339)	CLC FACILITY REHAB PROJECT	140
отн -	Old T	own	Hall Redevelopment Agency	
N	EW ((0341)	OLD TOWN HALL COMMERCIAL KITCHEN	141
SCA -	Stam	ford	Center for the Arts - Capital	
CI	P3806 ((0353)	RESTORE NORTH WALL AND PARAPET	142
CI	P3807 ((0354)	DRYWELL CONNECTION	143
N	EW ((0134)	AUDITORIUM RENOVATION	144
N	EW ((0357)	INTERIOR FINISHES	145
STFLI	B - Sh	nort T	erm Financing - Ferguson Library - Capital	
Ce	63410- ((0406)	FERGUSON LIBRARY TECHNOLOGY/EQUIPMENT	146
			General Obligation - Short Term Financing	

STF - Short Term Financing - Capital

C65200 (0091) CITYWIDE VEHICLE REPLACEMENT & UPGRADE	147
C65201 (0092) CITYWIDE TECHNOLOGY REPLACEMENT & UPGRADE	148
C65202 (0093) CITYWIDE EQUIPMENT REPLACEMENT & UPGRADE	149

General Obligation - Short Term Financing-Library

STFLIB - Short Term Financing - Ferguson Library - Capital	
NEW (0116) FERGUSON LIBRARY VEHICLE REPLACEMENT	150
Self-Supporting Debt	
0029 - Special Revenue - Parking Fund	
CP3750 (0402) NEW HYDRAULIC CYLINDERS FOR BELL STREET GARAGE ELEVATORS	151
0033 - Special Revenue - Water Pollution Control	
C20052 (0024) WEDGEMERE ROAD SEWERS	152
C71196 (0076) CMOM- SEWER CAPACITY MANAGEMENT, OPERATION & MAINTENANCE	153
C71201 (0075) UPGRADE OF ULTRA-VIOLET DISINFECTION SYSTEM	154
CP5241 (0086) STORM WATER PUMP STATIONS	155
CP2047 (0098) PROJECT GIS	156
C71282 (0030) VEHICLE REPLACEMENT AND REPAIR	157

 CP9270
 (0184)
 SANITARY PUMPING STATION UPGRADE.
 158

 C22046
 (0097)
 PERNA LANE AREA SEWERS.
 159

Mayor MICHAEL A. PAVIA



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July 1, 2013

Members of the Board of Finance Members of the Board of Representatives Members of the Planning Board Citizens of the City of Stamford

I am pleased to transmit the Adopted Capital Budget for the fiscal year commencing July 1, 2013 and ending June 30, 2014 along with the plan for capital spending over the succeeding six years. This budget represents the culmination of a Capital Budget submission and approval process that started back in August, 2012 and was completed in May, 2013.

This City of Stamford Capital Budget for the fiscal year beginning July 1, 2013, which includes all approved projects for both City departments and outside agencies, calls for \$38,065,098 in total capital spending, of which \$28,724,783 will be financed with tax supported General Obligation Bonds.

I want to thank the Planning Board for their efforts in developing their recommended Capital Budget and both the Board of Finance and Board of Representatives for their review and approval of this final Adopted Capital Budget.

Respectfully Submitted,

Michael Pavia Mayor



Fiscal Year 2013/2014 Capital Budget

0211	Operations: Public Services - Traffic & Road Maintenance	No Balance	Priorit
CP3701-New	STORM DRAIN CONVERSION AT CITY & TOWN YARD GARAGES		Dept
			Planning

Description - Reroute existing catch basins to tie into oil/water separators that run to sanitary lines so that vehicles can be washed outside without violating DEEP 381 regulations. Current wash bays at both locations are not sufficient enough to handle the fleet during busy seasons.

Priority

1

1

	Detail P	roject Cost		Project Schedule				Contact Info			Justifi	Justification for Inclusion in Capital Plan				
-	Date Development Stion Related		\$5,000 \$160,000	Start End Thomas Turk Design 7/1/2013 7/30/2013 (203) 977-5919 Implementation 8/1/2013 9/30/2013 tturk@ci.stamford.ct.us					Cont	 Life Safety Continues On-Going Project Leverages Other Funds Infrastructure 						
Equipment Acquisition Miscellaneous Costs Professional Services Land Acquisition			\$0 \$0 \$0 \$0	Project Location City Garage and Town Yard Garage Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? □ Yes ♥ No						 ■ Plan ✓ Publ ✓ Man 	 Quality of Life Plan Related Public Safety Health 					
			Method L Estimatin								tive Operatio	Impact nal Impact/Ef	ficiency			
Term	20										Capital Forecast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Dept	165,000	0	0	0	0	0	165,000	0	0	0	0	0	0	165,000		
Planning	165,000	0	0	0	0	0	165,000	0	0	0	0	0	0	165,000		
Mayor	165,000	0	0	0	0	0	165,000	0	0	0	0	0	0	165,000		
BOF	165,000	0	0	0	0	0	165,000	0	0	0	0	0	0	165,000		
BOR	165,000	0	0	0	0	0	165,000	0	0	0	0	0	0	165,000		
Reason for Project (if new)																

DEEP regulations do not allow for any vehicles/equipment to be washed outside where the wash water would end up into the storm water system. With over 60 vehicles and 4 wash bays it is logistically very difficult to comply with the regulations especially during the busy seasons, leaf pick up, snow plowing etc.

Fiscal Year 2013/2014 Capital Budget

0211	Operations: Public Services - Traffic & Road Maintenance	No Balance	Priority	
NEW	EQUIPMENT STORAGE CANOPY AT CITY GARAGE		Dept	2
	•		Planning	

383 Description - Install a truss arch structure that will provide cover for the heavy equipment vehicles (40 plus) stored outside. This will extend the usage of all these vehicle by guarding them from rain, snow and sunshine that can decrease the life of the vehicle. The life expectancy of the structure is 45 years. It is rated for snow loads and 110 mile per hour winds.

Detail Project Cost				Project Schedule				Contact Info			Justifi	Justification for Inclusion in Capital Plan				
-	Date vevelopment ction Related		\$0 750,000	Design Impleme	Sta ntation 1	ort 7/1/2013	End 9/1/2013 11/1/2013	Thomas Turk (203) 977-59 tturk@ci.star	19			Life Safety Continues On-Going Project Leverages Other Funds Infrastructure				
Miscellar	ent Acquisitic neous Costs onal Services quisition		\$0 \$0 \$0 \$0	Project Location City Garage @ 90 Magee Ave Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? □ Yes ♥ No							Qua Qua Plan Dubl Man	 Quality of Life Plan Related Public Safety Health Mandated Legal 				
			750,000	Method L Estimatin							1 0 31	tive Operatio	Impact nal Impact/Ef	ficiency		
Term	20										Capital Forecast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Dept	750,000	0	0	0	C	0 0	750,000	0	0	0	0	0	0	750,000		
Planning	0	0	0	0	C	0 0	C	750,000	0	0	0	0	0	750,000		
Mayor	0	0	0	0	C	0 0	C	750,000	0	0	0	0	0	750,000		
BOF	0	0	0	0	C) 0	C	750,000	0	0	0	0	0	750,000		
BOR	0	0	0	0	C	0 0	C	750,000	0	0	0	0	0	750,000		
Reason fo	or Project (i	f new)														

Comments - This is a simple and quick system that can be used to protect the multi-million dollar fleet of the Highway Department. Extending the life of the fleet would greatly reduce maintenance costs as well as new acquisition costs for replacement vehicles.

0220 Operations: Engineering - Engineering

C16012 CITY WIDE STORM DRAINS

 Balance: \$390,809.49 as of 6/30/2013
 Priority

 Dept
 6

 Planning
 2

19 Installation of storm drains, catch basins, and curbs.

	Detail P	roject Cost			Project	Schedule			Contact Info	I	Justific	cation for Inc	lusion in Cap	oital Plan		
	Date evelopment tion Related		\$0 \$450,000	Design Impleme	Star	rt E		Lou Casolo (203) 977-579 Icasolo@ci.st			Cont	Safety inues On-Go rages Other I structure	• •			
Miscellar	ent Acquisition neous Costs Sonal Services		\$0 \$0 \$0	Project Location Citywide Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? □ Yes ♥ No							■ □ Plan ■ Public	ity of Life Related ic Safety Hea	lth			
	and Acquisition \$0 Y 13/14 Total \$450,000				Method Used in Engineering estimates and unit prices from recently bid projects.						•	fficiency				
Term	20				T					C	apital Forec	apital Forecast				
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Dept	450,000	C	0 0	0	0	0	450,000	500,000	500,000	500,000	500,000	500,000	500,000	3,450,000		
Planning	450,000	C	0 0	0	0	0	450,000	450,000	450,000	450,000	450,000	450,000	450,000	3,150,000		
Mayor	450,000	C) 0	0	0	0	450,000	450,000	450,000	450,000	450,000	450,000	450,000	3,150,000		
BOF	450,000	C) 0	0	0	0	450,000	450,000	450,000	450,000	450,000	450,000	450,000	3,150,000		
BOR	450,000	C	0 0	0	0	0	450,000	450,000	450,000	450,000	450,000	450,000	450,000	3,150,000		

Proposed FY13/14 projects at various locations including but not limited to investigation / design of drainage systems at Hope Street, Vanech Drive, Rachelle Ave.

0220 Operations: Engineering - Engineering

Balance: \$93,822.08 as of 6/30/2013	Priority	/
	Dept	7
	Planning	3

C56129 CITYWIDE MANHOLE & BASIN

39 The City's road network contains more than 12,000 manholes and basins. These structures require periodic reconstruction and adjustment at an average cost between \$3,000 and \$6,000 per basin. This work is critical to protect the safety of the public and to maintain the City's investment in the infrastructure. City required to raise city owned structures when state roads are paved.

	Detail P	roject Cost			Project S	Schedule			Contact Info		Justific	ation for Inc	lusion in Cap	oital Plan
	e Date Development ction Relatec		\$0 \$600,000	Design Impleme	Start	t E //1/2013		Lou Casolo (203) 977-579 Icasolo@ci.st			Cont	Safety inues On-Goi rages Other F structure		
Miscellar Professio	ent Acquisition neous Costs Sonal Services Squisition		\$0 \$0 \$0 \$0	-	oject for cons		construction the City and o			Yes 🗹 No	 ✓ Plan ✓ Publi ✓ Mane 	ity of Life Related c Safety Hea dated Legal		
FY 13/14	FY 13/14 Total \$600,000				Iethod Used in stimating Cost Current bid prices. Positive Revenue Positive Operation Stimating Cost Other							fficiency		
Term	20 City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	apital Forec FY 17/18	ast FY 18/19	FY 19/20	Total
Dept	600,000		0	0	0	0	600,000	-	500,000	500,000	500,000	500,000	500,000	3,600,000
Planning	300,000	0	0	0	0	0	300,000	500,000	500,000	500,000	500,000	500,000	500,000	3,300,000
Mayor	300,000	0	0	0	0	0	300,000	500,000	500,000	500,000	500,000	500,000	500,000	3,300,000
BOF	300,000	0	0	0	0	0	300,000	500,000	500,000	500,000	500,000	500,000	500,000	3,300,000
BOR	300,000	0	0	0	0	0	300,000	500,000	500,000	500,000	500,000	500,000	500,000	3,300,000
Reason fo	or Project (i	f new)												

0220	Operations: Engineering - Engineering	Balance: \$232,353.37 as of 6/30/2013	Priority	
CP0211	ENVIRONMENTAL COMPLIANCE		Dept	9
			Planning	2

42 This program is required to investigate and assess and correct as necessary of drainage systems discharging into water body, rivers, ponds and etc. and to evaluate Public Services facilities and modify practices in compliance with state and federal regulations. Based upon the requirements set forth in the draft MS-4 permit, significant action is mandated by the CT DEEP.

	Detail Project Cost					Project Schedule			Contact Info		1	Justification for Inclusion in Capital Plan			oital Plan	
Construc	Date evelopment tion Related nt Acquisitic		\$	\$0 250,000 \$0	Design Implemei Project Lo	ntation	art F 7/1/2013 Various City	6/30/2020	Lou Casolo (203) 977-57 Icasolo@ci.st			Con Leve	Safety tinues On-Goi erages Other F astructure lity of Life			
Professio Land Acc				\$0 \$0 \$0	Is this pro any build	oject for co ing or facil	nstruction, r ity leased by	econstruction the City and c		-	Yes 🗹 No	✓ Publ✓ Mar	 Plan Related Public Safety Health Mandated Legal Positive Revenue Impact Positive Operational Impact/Efficiency 			
FY 13/14	FY 13/14 Total \$250,000			250,000	Method Used in Estimating Cost					Desi Desi Desi		nal Impact/E	fficiency			
Term	20				-						C	Capital Fore	cast			
	City Bond	WPCA B	Bond	ST Grant	Loan	Fed Gran	t Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total	
Dept	250,000		0	0	0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000	
Planning	250,000		0	0	0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000	
Mayor	250,000		0	0	0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000	
BOF	250,000		0	0	0		0 0	250,000	250,000	250,000	250,000	250,000 250,000 250,000 1,750,0			1,750,000	
BOR	250,000		0	0	0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000	

Reason for Project (if new)

This funding will be used to help Stamford comply with mandates imposed by both the state (DEEP) and federal government (EPA). Non-compliance can result in substantial fines being handed down to the City.

0220 Operations: Engineering - Engineering

PINE HILL DRAINAGE

CP1074

 Balance: \$100,000.00 as of 6/30/2013
 Priority

 Dept
 11

Planning 2

180 Upgrade existing storm drainage and reconstruct roadway from Hope Street westerly to Elmbrook Drive.

	Detail Project Cost				Project	Schedule			Contact Info		Justific	cation for Inc	lusion in Cap	ital Plan
_	Date evelopment ction Related		\$0 \$200,000	Design Impleme		2/1/2012		Lou Casolo (203) 977-579 Icasolo@ci.st		5	Cont	Safety inues On-Go rages Other I structure		
Miscella	nt Acquisitic neous Costs		\$0 \$0	Project Lo			from Hope St econstruction		g of		Plan	ity of Life Related	lth	
Land Acc			\$0 \$0	any build	any building or facility leased by the City and open to the public? Yes V No Mandated Legal Positive Revenue Impact									
FY 13/14	Y 13/14 Total \$200,000		200,000	Method Used in Estimate based upon unit prices from similar projects.						PositOthe		nal Impact/E	ficiency	
Term	20									C	Capital Forecast			
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total
Dept	200,000	0	0	0	0	0	200,000	0	0	0	0	0	0	200,000
Planning	200,000	0	0	0	0	0	200,000	0	0	0	0	0	0	200,000
Mayor	200,000	0	0	0	0	0	200,000	0	0	0	0	0	0	200,000
BOF	200,000	0	0	0	0	0	200,000	0	0	0	0	0	0	200,000
BOR	200,000	0	0 0 0 0					0	0	0	0	0	0	200,000
Reason fo	or Project (i	f new)												

Complaints since 1994 regarding low area flooding and poor drainage.

0220	Operations: Engineering - Engineering	Balance: \$150,000.00 as of 6/30/2013	Priority	,
CP1075	SKYMEADOW DRIVE DRAINAGE IMPROVEMENT		Dept	3
			Planning	1

120 Excessive roadway shoulder erosions due to lack of drainage structures. Drainage improvements of Skymeadow Drive from Skyline Lane to High Ridge Rd. and road paving from Scofieldtown Road to High Ridge Road.

	Detail P	roject Cost			Project	Schedule			Contact Info	I	Justific	ation for Inc	lusion in Capi	ital Plan		
Design D	Miscellaneous Costs \$0			Design Impleme		2/1/2012		Lou Casolo (203) 977-579 Icasolo@ci.st		i	Cont	Safety inues On-Go rages Other I structure				
Miscellar Professio	Equipment AcquisitionMiscellaneous CostsProfessional ServicesLand AcquisitionFY 13/14 Total\$150,0		\$0 \$0 \$0 \$0	Project Location Skymeadow Drive from Skyline Ln. to High Ridge Rd. Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? □ Yes < No						 ■ ■ Plan ■ Public ■ Man 	Plan Related					
	FY 13/14 Total \$150,000		150,000	Method Used in Estimating Cost						ive Operatio	nal Impact/Ef	ficiency				
Term	20									C	apital Forecast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Dept	150,000	0	0	0	0	0	150,000	0	0	0	0	0	0	150,000		
Planning	150,000	0	0	0	0	0	150,000	0	0	0	0	0	0	150,000		
Mayor	150,000	0	0	0	0	0	150,000	0	0	0	0	0	0	150,000		
BOF	150,000	0	0	0	0	0	150,000	0	0	0	0	0	0	150,000		
BOR	150,000	0	0	0 0 0 0 150,000 0 0					0	0	0	0	150,000			
Reason fo	or Project (i	f new)														

Prepare final design and construct improvements including roadway, drainage and paving.

0220 Operations: Engineering - Engineering

CP1372 OAKDALE ROAD CULVERT AND CATCH BASINS

61 Replace deteriorated culverts (3-24 inches corrugated metal pipes)

	Detail P	roject Cost			Project	Schedule			Contact Info		Justifi	cation for Ind	clusion in Cap	ital Plan		
Effective	e Date				Sta	rt E	ind	Lou Casolo			☑ Life	Safety				
Design D	Development		\$0	Design	1	2/1/2012	6/30/2013	(203) 977-57	96			tinues On-Go				
Construc	ction Related	1	\$100,000	Impleme	ntation	7/1/2013	12/31/2013	lcasolo@ci.st	amford.ct.us	5		erages Other	Funds			
Equipme	ent Acquisitic	on	\$0				l					astructure lity of Life				
	neous Costs		\$0	Project Lo	ocation O	akdale Road	3					Related				
	onal Services		\$0					or remodelin		Yes 🗹 No		lic Safety Hea	lth			
			\$0	any build	ing or facilit	y leased by	the City and o	open to the pu	ublic? 🗆	Yes 💌 No		ndated Legal				
	•			Method L	Jsed in Engi	ineering est	imates					tive Revenue	-	· · ·		
11 13/1-	FY 13/14 Total \$100,00			Estimatin	g Cost	incering est	iniates				D Pos	-	nal Impact/Ef	ficiency		
Term	20									C	apital Forecast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Dept	100,000	(0 0	0	0	0	100,000	0	0	0	0	0	0	100,000		
Planning	100,000	() 0	0	0	0	100,000	0	0	0	0	0	0	100,000		
Mayor	100,000	() 0	0	0	0	100,000	0	0	0	0	0	0	100,000		
BOF	100,000	() 0	0 0 0 0 100,000 0 0				0	0	0	0	100,000				
BOR	100,000	() 0	0 0 0 0 100,000 0 0					0	0	0	0	100,000			
Reason fo	or Project (i	f new)														

Balance: \$113,583.40 as of 6/30/2013

Priority

10

1

Dept

Planning

Culverts are deteriorating and catch basins on roadway are damaged.

0220 Operations: Engineering - Engineering

NEW DAVENPORT STREET DRAINAGE

No Balance Priority
Dept
Planning

18

94 Construction of approximately 500 linear feet of 18" PVC drain, 8 catch basins and related upgrades.

	Detail Project Cost					Project	Schedule			Contact Info)	Justi	ication for Ind	lusion in Cap	ital Plan			
Construc	evelopment tion Related			\$0 \$0 \$0	Design Impleme	ntation	1/1/2015 7/1/2015	nd 6/30/2015 12/31/2016	Lou Casolo (203) 977-57 lcasolo@ci.st		5	Col Lev Inf	e Safety ntinues On-Go erages Other astructure	• •				
Miscellar Professio	Miscellaneous Costs\$Professional Services\$Land Acquisition\$					oject for con	struction, re		k Street or remodelin open to the pu	-	Yes 🗹 No	Pla	ality of Life n Related olic Safety Hea ndated Legal					
FY 13/14	FY 13/14 Total \$0			\$0	Method Used in Estimating Cost							itive Revenue itive Operatio ier	-	ficiency				
Term											C	apital Forecast						
	City Bond	WPCA Bo	ond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total			
Dept	0		0	0	0	0	0	C	0 0	250,000	0		0 0	0	250,000			
Planning	0		0	0	0	0	0	C	0 0	250,000	0		0 0	0	250,000			
Mayor	0		0	0	0	0	0	C	0 0	250,000	0		0 0	0	250,000			
BOF	0	0 0 0				0	0	C	0 0	250,000	0		0 0	0	250,000			
BOR	0		0	0	0	0	0	C	0 0	250,000	0		0 0	0	250,000			
Reason fo	or Proiect (i	f new)																

Corner of Selleck street and Davenport street requires upgrade of storm drainage line as well as structure replacement.

0220	Operations: Engineering - Engineering	Balance: \$38,360.00 as of 6/30/2013	Priority	,
CP5208	ROXBURY ROAD DRAINS		Dept	16
			Planning	

181 Funding will be used to reconstruct and re-align roadway from Westhill Road East to Westover Road. Adding drainage and reducing road width as needed. New drainage and reconstructed roadway for a total of 5,500 linear feet to eliminate dangerous swales and correct roadway elevations.

	Detail Pro	oject Cost			Projec	t Schedule		Contact Info			Justifi	cation for Inc	lusion in Cap	ital Plan		
Construc	evelopment ction Related		\$0 \$0	Design Impleme		art F 7/1/2013 7/1/2013	End 6/30/2013 6/30/2015	Lou Casolo (203) 977-579 Icasolo@ci.st			Cont	Safety inues On-Goi rages Other F structure	• •			
Miscellar Professio	ent Acquisitior neous Costs onal Services quisition		\$0 \$0 \$0 \$0	•	oject for co	nstruction, r	econstruction	ill to Westove or remodeling open to the pu	g of	Yes 🗹 No	 ✓ Plan ✓ Publ ✓ Man 	ity of Life Related ic Safety Hea dated Legal				
	FY 13/14 Total \$0			Method L Estimatin	LJL	imate based	upon unit pri	ces bid for sim	iilar projects			tive Revenue tive Operation er	•	fficiency		
Term										(apital Forecast					
	City Bond \	WPCA Bond	ST Grant	Loan	Fed Grant	t Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Dept	0	0	0	0		0 0	0	300,000	300,000	0	0	0	0	600,000		
Planning	0	0	0	0		0 0	0	300,000	300,000	0	0	0	0	600,000		
Mayor	0	0	0	0	(0 0	0	300,000	300,000	0	0	0	0	600,000		
BOF	0	0	0	0		0 0	0	300,000	300,000	0	0	0	0	600,000		
BOR	PR 0 0			0		0 0	0	300,000	300,000	0	0	0	0	600,000		
Reason fo	or Project (if	new)														

This road has deteriorated to a point where normal overlay procedures will not sufficiently improve its condition and therefore are not cost effective solutions. Additionally the road is very wide and needs to be realigned and the curb lines adjusted.

0220 Operations: Engineering - Engineering

NEW MYANO LANE RECONSTRUCTION

182 Funding will be used to re-construct roadway (approx. 500') at intersection of Catoona Lane, heading south. Drainage facilities and catch basins will be added as needed.

No Balance

Priority

19

Dept

Planning

	Detail Pr	oject Cost			Project	Schedule			Contact Info			Justification for Inclusion in Capital Plan			
_	e Date Development ction Related		\$0 \$0	Design Impleme	Star ntation	t E 7/1/2015	End 6/30/2016	Lou Casolo (203) 977-57 Icasolo@ci.st		i	Cont				
Equipment Acquisition\$0Miscellaneous Costs\$0Professional Services\$0Land Acquisition\$0		\$0	Project LocationMyano Lane from West Main street to Catoona LaneIs this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public?□ Yes < No								 ✓ Quality of Life Plan Related Public Safety Health Mandated Legal 				
FY 13/14 Total \$0			-	Method Used in Estimate based upon unit prices from recent similar projects.							🗌 Posit	 Positive Revenue Impact Positive Operational Impact/Efficiency Other 			
Term										0	Capital Forec	ast			
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total	
Dept	0	0	0	0	0	0	0	0	200,000	0	0	0	0	200,000	
Planning	0	0	0	0	0	0	0	0	200,000	0	0	0	0	200,000	
Mayor	0	0	0	0	0	0	0	0	200,000	0	0	0	0	200,000	
BOF	0	0	0	0	0	0	0	0	200,000	0	0	0	0	200,000	
BOR	0	0	0	0	0	0	0	0	200,000	0	0	0	0	200,000	
Reason fo	or Project (if	new)													

0260	Operations: Administration - Maintenance Parks	Balance: \$0.00 as of 6/30/2013	Priori
256169	PAVING & DRAINAGE		Dept
			Planning

Upgrade renovations of paved surfaces and drainage systems in city parks and parking areas. 170

Detail Project Cost					Project Schedule				(Contact Info Jus			Justification for Inclusion in Capital Plan			
Construc Equipme	Date revelopment rtion Related ent Acquisitio neous Costs		\$	\$20,000 280,000 \$0 \$0	Design Implemei Project Lo	ocation Cit	ywide Park		Kevin Murray (203) 977-503 kmurray@ci.s	34 stamford.ct.u	IS	 ✓ Cont ↓ Leve ✓ Infra ✓ Qual 	Leverages Other Funds Infrastructure Quality of Life Plan Related			
Professional Services\$0Land Acquisition\$0FY 13/14 Total\$300,000			\$0	Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? ✓ Yes □ No Method Used in Estimating Cost per eng department						 Public Safety Health Mandated Legal Positive Revenue Impact Positive Operational Impact/Efficiency Other 						
Term	10				<u>.</u>						C	apital Forec	ast			
	City Bond	WPC	A Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total	
Dept	300,000		0	0	0	0	0	300,000	100,000	100,000	0	0	0	0	500,000	
Planning	0		0	0	0	0	0	0	150,000	150,000	100,000	100,000	0	0	500,000	
Mayor	0		0	0	0	0	0	0	150,000	150,000	100,000	100,000	0	0	500,000	
BOF	0		0	0	0	0	0	0	150,000	150,000	100,000	100,000	0	0	500,000	
BOR	0		0	0	0	0	0	0	150,000	150,000	100,000	100,000	0	0	500,000	

Reason for Project (if new)

lifespan of paving

FY 13-14 request will be to upgrade the following Park properties;

1. Cove Island Roller Loop

2. John Boccuzzi at Southfield park Driveway/Parkind area

3. 426 Shippan Parks department

4. Dorothy Heroy Park Complex Parking area

5. Fort Stamford Driveway/Parking area

Priority

7

0033 Special Revenue - Water Pollution Control

STORM WATER PUMP STATIONS

 Balance: \$816,079.77 as of 6/30/2013
 Priority

 Dept
 7

 Planning
 4

86 To upgrade and perform major repairs to the three barrier pump stations that are operated and maintained by WPCA. Upgrade Dyke Lane Pumping Station.

Detail Project Cost				Project Schedule				Contact Info			Justific	Justification for Inclusion in Capital Plan				
-	Date evelopment tion Related		\$0 500,000	Design Impleme	Star ntation	t E		Chakravarti, I (203) 977-58 pchakravarti(96	.ct.us	Cont	Leverages Other Funds				
Equipment Acquisition\$750,000Miscellaneous Costs\$100,000		Project Location STAMFORD HURRICANE BARRIER							🗹 Qual							
Professional Services\$20,000Land Acquisition\$0			Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? Yes No								 Public Safety Health Mandated Legal Desidius Reuseus Immedia 					
FY 13/14 Total \$1,400,000			400,000		Method Used in Image: Description of the second							fficiency				
Term										C	apital Forec	ast				
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total		
Dept	1,400,000	0	0	0	0	0	1,400,000	150,000	150,000	150,000	150,000	150,000	150,000	2,300,000		
Planning	1,400,000	0	0	0	0	0	1,400,000	150,000	150,000	150,000	150,000	150,000	150,000	2,300,000		
Mayor	1,184,000	0	0	0	0	0	1,184,000	150,000	150,000	150,000	150,000	150,000	150,000	2,084,000		
BOF	1,184,000	0	0	0	0	0	1,184,000	150,000	150,000	150,000	150,000	150,000	150,000	2,084,000		
BOR	384,000	0	0	0	0	0	384,000	150,000	150,000	150,000	150,000	150,000	150,000	1,284,000		

Reason for Project (if new)

DYKE LANE PUMP STATION IS BEING EVALUATED. FEDERAL GRANT IS BEING SOLICITED VIA OFFICE OF ECONOMIC DEVELOPMENT. THE FEDERAL GRANT WILL BE AN 80/20 SPLIT. THE UPGRADE IS ESTIMATED AT \$1,000,000. \$800,000 ---GRANT

\$200,000---CITY BOND

CP5241

TWO OF THE OTHER STORM WATER PUMP STATIONS NAMELY CUMMINGS AND WAPANAU STATIONS NEED TO BE WIRED FOR A QUICK CONNECT TO EMERGENCY GENERATORS. THE COST ESTIMATE IS \$70,000.

TWO ENERGENCY GENERATORS HAVE TO BE PROCURED. ONE 300 KVA AND A 200 KVA GENERATOR ESTIMATED AT \$150,000.

0033	Special Revenue - Water Pollution Control	Balance: \$247,651.28 as of 6/30/2013	Priority	
CP2047	PROJECT GIS		Dept	8
			Planning	4

98 Develop storm & sanitary sewer GIS data layers. Conversion of all data into geodatabase format for asset management. Project to be managed by GIS unit of Technology Management Services.

	Detail Project Cost				Projec	t Schedule		Contact Info			Justific	Justification for Inclusion in Capital Plan			
Construc	evelopment ction Related		\$0 \$0	Design Impleme		art F 1/2/2012		Chakravarti, F (203) 977-589 pchakravarti@	96	.ct.us	Cont	 □ Leverages Other Funds ✓ Infrastructure 			
Equipment Acquisition\$0Miscellaneous Costs\$0Professional Services\$200,000Land Acquisition\$0		\$0	Project Location Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public?							 Quality of Life Plan Related Public Safety Health Mandated Legal Positive Revenue Impact 					
FY 13/14 Total \$200,000		200,000	Method Used in Estimating Cost						Posit	 Positive Operational Impact/Efficiency Other 					
Term										C	apital Forecast				
	City Bond	WPCA Bond	ST Grant	Loan	Fed Gran	t Other	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	Total	
Dept	100,000	100,000	0	0		0 0	200,000	100,000	100,000	100,000	100,000	100,000	100,000	800,000	
Planning	100,000	100,000	0	0		0 0	200,000	100,000	100,000	100,000	100,000	100,000	100,000	800,000	
Mayor	100,000	100,000	0	0		0 0	200,000	100,000	100,000	100,000	100,000	100,000	100,000	800,000	
BOF	100,000	100,000	0	0		0 0	200,000	100,000	100,000	100,000	100,000	100,000	100,000	800,000	
BOR	100,000	100,000	0	0		0 0	200,000	100,000	100,000	100,000	100,000	100,000	100,000	800,000	
- (on for Project (if new)														

EPA MANDATE

2013-2014 OPERATING BUDGET

City of Stamford Operating and Special Revenue Funds Budget Fiscal Year 2013-2014



Michael A. Pavia, Mayor

9/11/2013

Table of Contents

Mayor's Transmittal Message	i
Budget Worksheet	1
Operating Revenue	20

Office of Administration

1010	Director of Administration	
1011	Office of Policy and Management	
1012	Grants Administration.	
1020	Assessor	45
1021	Board of Assessment Appeals	48
1022	Revenue Services	51
1023	Taxation Services	
1024	Tax Administration	60
1026	Property Revaluation	65
1032	Controller	69
1060	Technology Management Services	74

Office of Operations

Traffic & Road Maintenance	84
Leaf Collection	.88
Snow Removal	.90
Stormwater Management	.94
Special Events	.97
Vehicle Maintenance	.100
Gasoline	104
Building Inspection	.108
Transfer Station	.112
Recycling	.117
Collection	.121
	Traffic & Road Maintenance. Leaf Collection. Snow Removal. Stormwater Management. Special Events. Vehicle Maintenance. Gasoline. Building Inspection. Transfer Station. Recycling. Collection.

2144	Haulaway	124
2510	Cashiering	126
2520	Citizen's Service Center	130
2200	Engineering	135
2210	Traffic Engineering	141
2300	Land Use Administration	146
2310	Planning	151
2320	Zoning	155
2330	Zoning Board of Appeals	160
2340	Environmental Protection	164
2350	Technology	168
2133	Government Center	170
2135	Maintenance	173
2136	Terry Conners Rink	180
2537	Kweskin Theatres	185
2529	Special Needs Recreation	187
2530	Leisure Services Administration	190
2531	Aquatics	193
2533	Subsidized Programs	196
2534	Fee-Supported Programs	198
2535	Self-Sustaining Programs	200
2536	Beach Enforcement	202
2600	Administration	204

Office of Public Safety, Health & Welfare

3101	Pub Safety, Hlth & Welf-Adm	209
3300	Police Department Wide	
3361	Police Department - Support Services	221
3366	Police Department - Animal Control	223
3940	Police Department - Harbor Master	226
3350	Emergency Communications Center	230
3960	Stamford EMS	234
3410	The Big Five Volunteer Fire Depts	238

3510	Stamford Fire Department	243
3533	Stamford Fire Department Fire Training Center	249
3710	Smith House Nursing Facility - Administration	254
3720	Smith House Nursing Facility - Social Services	261
3730	Smith House Nursing Facility - Recreation	264
3740	Smith House Nursing Facility - Housekeeping	267
3750	Smith House Nursing Facility - Maintenance	270
3760	Smith House Nursing Facility - Laundry	273
3770	Smith House Nursing Facility - Food Services	276
3780	Smith House Nursing Facility - Nursing Services	279
3781	Smith House Nursing Facility - Physician Services	281
3791	Smith House Nursing Facility - Physical Therapy	282
3810	Director of Health	285
3811	Laboratory	290
3820	Public School Health Program	296
3821	Private & Parochial Health Program	301
3822	Community Nursing	306
3830	Inspection Services	
3880	Liberation Programs	314
3980	Shellfish Commission	315
3910	Social Services	318
3920	Welfare Division	322

Office of Legal Affairs

4010	Director of Law	325
4020	Human Resources Department	330
4022	Employee Benefits	335
8301	Employee Benefits	337
8401	Pensions	338

Unaffiliated Departments

1200	Economic Development	. 342
5010	Mayor's Office - Administration	. 347

5011	Professional Organizations and Activities	351
5020	Board of Representatives	353
5030	Board of Finance	357
5040	Board of Ethics	360
5050	Town and City Clerk	362
5060	Probate Court	365
5070	Registrar of Voters	367
5091	Stamford Partnership	371
5092	Patriotic Observation Commission	373
5093	Stamford Cultural Develop. Corp	374
5094	Harbor Commission	375
6050	Community Centers	377
6055	Non City Social Services	378
6056	Non City Cultural & Environment	379

Operating Charges

3230	Other Special Revenue Funds	213
8080	Transfer to Debt Service Fund	381

Board of Education

9000	Education	38	34
------	-----------	----	----

Special Revenue Funds

	Mayor's Transmittal Letter	385
	Grant Funded Programs	
2138	Marina Management	401
2139	Parking Management	407
3320	Police Extra Duty	415
2610	E. G. Brennan Golf Course	419
8311	Insurance Premiums	430
8321	Payments - Retained Losses	432
8331	Workers' Compensation	434
8381	Risk Manager	436

Mayor MICHAEL A. PAVIA



STAMFORD GOVERNMENT CENTER 888 WASHINGTON BOULEVARD P.O. BOX 10152 STAMFORD, CT 06901-2902

Phone: (203) 977-4150 FAX: (203) 977-5845 Email: mpavia@ci.stamford.ct.us

CITY OF STAMFORD OFFICE OF THE MAYOR

July 1, 2012

Members of the Board of Finance Members of the Board of Representatives The Citizens of the City of Stamford

The following General Fund Operating Budget reflects my initial budget recommendation as amended by both the Boards of Finance and Representatives. The result is a General Fund Operating Budget of \$493,125,523, which represents an expenditure increase of 2.77% over the prior year. Included in this budget is: \$200,227,857 to finance City operations, \$47,824,707 to finance Debt Service obligations and \$245,072,959 to finance Education. Additionally, this budget book also contains the adopted budgets of programs not included in the City's general fund: E.G Brennan Golf Course, Risk Management (includes Medical, Property, Casualty & Worker's Compensation), Parking Fund, City Contribution to Grants, Police Extra Duty, and the Marina.

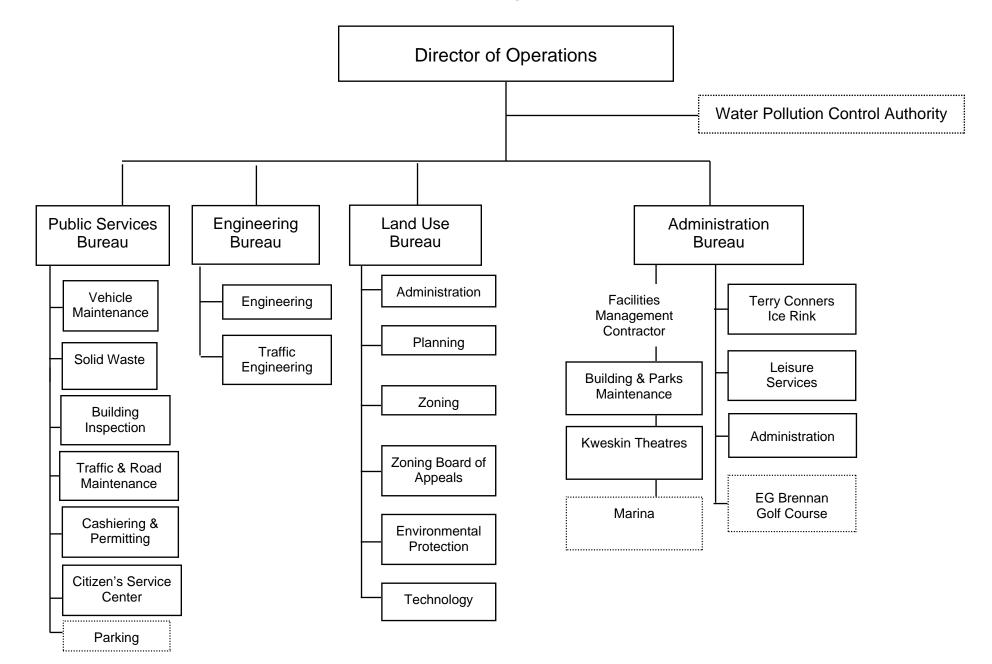
Given the pace of the economic recovery in this region over the past few years, it is a constant challenge to produce an effective and fiscally viable budget that maintains current service levels while keeping tax increases to historically low levels. I believe this budget has met that challenge. This final budget, as approved by both the Boards of Representatives and Finance will enable City Departments and the Board of Education to continue to provide quality service and necessary programs to all residents and visitors of this City. The net impact of this budget is equivalent to an average tax increase of 3.41%, which continues to reflect minimal tax increases as presented during my Administration.

I will continue to actively address all issues that impact the provision of quality services in this City and pledge to remain diligent on all concerns relative to maintaining a safe, healthy and productive environment for all.

Respectfully Submitted,

Michael A. Pavia Mayor

City of Stamford Office of Operations



Fiscal Year 2013/2014 Activity Summary Report

Fund: 0001 General Fund

Bur/Offc: 201 Operations: Public Services

	FY 11/12 Actual	FY 12/13 Original Budget	FY 12/13 Revised Budget	FY 13/14 Department Request	FY 13/14 Mayor's Request	FY 13/14 Finance Board	FY 13/14 Board of Reps
Dept/Div: 0211 Traffic & Road Maintenance							
2111 Traffic & Road Maintenance	4,807,532	4,700,974	4,987,315	4,867,171	4,671,830	4,618,005	4,618,005
2113 Leaf Collection	257,272	250,136	109,237	250,097	250,097	250,097	250,097
2114 Storm Account	1,163,654	1,271,507	2,652,368	1,149,322	1,132,722	1,132,722	1,082,722
2116 Stormwater Management	0	0	0	417,165	417,165	335,446	335,446
2538 Special Events	96,259	107,650	129,507	209,945	193,798	193,798	193,798
Traffic & Road Maintenance Total	6,324,717	6,330,267	7,878,427	6,893,700	6,665,612	6,530,068	6,480,068
Dept/Div: 0212 Fleet Management							
2121 Vehicle Maintenance	1,164,851	1,249,424	1,217,164	1,355,587	1,316,042	1,305,277	1,305,277
2122 Gasoline	741,891	799,870	957,628	828,300	828,300	803,300	803,300
Fleet Management Total	1,906,742	2,049,294	2,174,792	2,183,887	2,144,342	2,108,577	2,108,577
Dept/Div: 0213 Facilities Management							
2137 Building Inspection	1,250,335	1,228,372	1,236,695	1,261,842	1,252,227	1,252,227	1,252,227
Facilities Management Total	1,250,335	1,228,372	1,236,695	1,261,842	1,252,227	1,252,227	1,252,227
Dept/Div: 0214 Solid Waste							
2141 Transfer Station	2,206,817	1,927,921	1,774,434	2,008,022	1,931,977	1,901,977	1,901,977
2142 Recycling	1,540,426	1,373,978	1,463,897	1,359,303	1,320,093	1,293,181	1,293,181
2143 Collection	3,810,460	3,819,166	4,025,672	4,103,648	4,026,515	3,999,603	3,999,603
2144 Haulaway	4,191,409	4,377,010	4,151,116	3,908,900	3,841,000	3,741,000	3,741,000
Solid Waste Total	11,749,112	11,498,075	11,415,119	11,379,872	11,119,585	10,935,761	10,935,761
Dept/Div: 0251 Cashiering							
2510 Cashiering	57,359	51,673	47,214	59,407	55,101	55,101	55,101
Cashiering Total	57,359	51,673	47,214	59,407	55,101	55,101	55,101

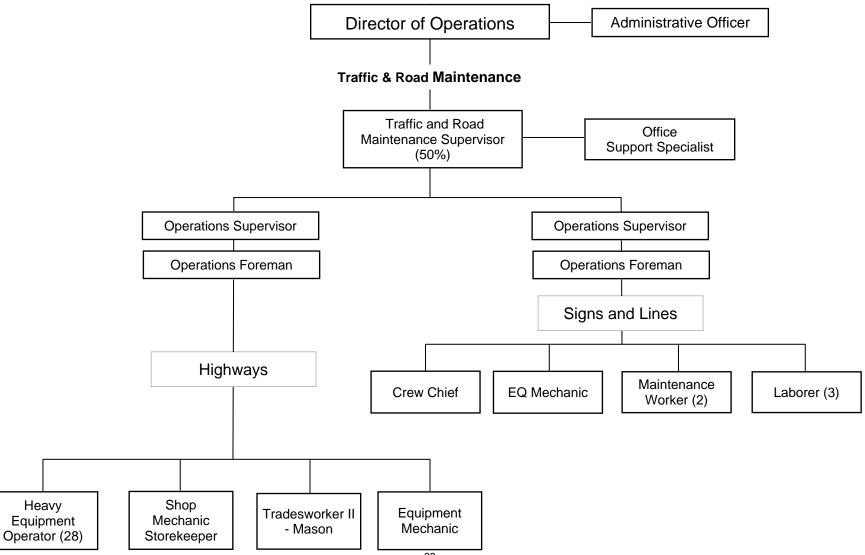
Fiscal Year 2013/2014 Activity Summary Report

Fund: 0001 General Fund

Bur/Offc: 201 Operations: Public Services

	FY 11/12 Actual	FY 12/13 Original Budget	FY 12/13 Revised Budget	FY 13/14 Department Request	FY 13/14 Mayor's Request	FY 13/14 Finance Board	FY 13/14 Board of Reps
Dept/Div: 0252 Citizen's Service Center							
2520 Citizen's Service Center	168,734	160,240	159,175	167,497	166,959	150,959	150,959
Citizen's Service Center Total	168,734	160,240	159,175	167,497	166,959	150,959	150,959
Operations: Public Services Total	\$21,456,999	\$21,317,921	\$22,911,420	\$21,946,205	\$21,403,826	\$21,032,693	\$20,982,693

City of Stamford Office of Operations Traffic & Road Maintenance



Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2111	Traffic & Road Maintenance

Department Responsibilities:

Maintain all City of Stamford rights-of-way in a reasonable, safe and passable condition at all times and to provide installation and maintenance of signs and pavement markings.

Program: Road Maintenance

The minor repairs and maintenance of all potholes, catch basins, sidewalks, curbs and guardrails within the rights of way of the City of Stamford. The removal of miscellaneous debris from the side of the roads.

Goal: Improve response time to repair/maintenance requests outside seasonal programs such as leaf pick-up and snow/ice removal.

• Objective: Respond to all major safety issues within 5 business days.

Results: The Department has been able to supply a 24 hour response to most major issues from the time of being reported.

• Objective: Respond to all basic repair/maintenance issues within 10 business days.

Results: A back log for service requests was being cleared after sorting out some program issues. Super Storm Sandy changed the focus of the work but by the new year the department was able to focus back on service requests.

Program: Traffic Maintenance

The repair/replacement/maintenance of all street signs and pavement markings along city streets and city parking areas.

Goal: Minimize downtime for any safety related traffic signage or pavement marking to maintain the safe travel of vehicles throughout the city.

• Objective: Repair/replace any safety related traffic signage/pavement markings within 2 business days of known issue.

Results: Super Storm Sandy caused a lot of damage to local signage, which caused an increased effort to locate and repair any issues. By the new year there should be a minimal amount of damaged signage remaining.

Fiscal Year 2013/2014 Full Time Salary Comparison

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2111	Traffic & Road Maintenance

Job Title	Pos 12/13	Pos 13/14	FY 12/13 Budget Salary	FY 13/14 Budget Salary	Budget Salary \$ Increase	Budget Salary % Increase
BUDGET ADJUSTMENT	0	0	0	-50,000	-50,000	100.00%
CHARGEBACK to Parking Mgmt Fund	0 1	0	-48,291	-54,796	-6,505	13.47%
Crew Chief (Traffic)	1	1	53,414	53,617	203	0.38%
Equipment Mechanic 37.5	1	1	56,055	60,083	4,028	7.19%
Heavy Equip Operator	29	28	1,357,411	1,433,600	76,189	5.61%
Laborer 37.5	3	3	132,193	138,627	6,435	4.87%
Maintenance Worker	1	2	47,418	87,987	40,568	85.55%
Master Mechanic	1	0	58,661	0	-58,661	-100.00%
Office Support Specialist	1	1	46,335	46,513	178	0.38%
Operations Foreman 37.5	1	1	66,094	76,792	10,697	16.18%
Operations Foreman 40	1	1	83,149	86,810	3,661	4.40%
Operations Supervisor 40	2	2	198,638	207,396	8,757	4.41%
Shop Mechanic/Storekeeper	0	1	0	59,259	59,259	100.00%
Tradesworker II - Mason	1	1	23,771	27,412	3,641	15.32%
Traf Mtce Work-EQ Mech	1	1	56,792	57,008	216	0.38%
Traffic & Road Mtc Supv	1	1	96,582	109,593	13,011	13.47%
Total	44	44	\$2,228,223	\$2,339,900	\$111,677	5.01%

FY 13/14 Includes one additional workday from 52 to 52.2 weeks an increase of 0.38%, Equipment Mechanic increase due to three year wage increase, Heavy Equipment Operator Increase due to step increases and full year funding for filled positions, Laborer Increase due to filling vacant positions at lower step and three year compounded wage increase, Maintenance Worker increase due to addition of one position, Operations Foreman increase due to three year compounded wage increase, Tradesworker II-Mason position funded for a half year, Traffic & Road Supervisor increase due to two year wage increase and one year step increase, Traffic & Road Supervisor increase due to filling of position at a higher step and three year compounded wage increase.

Fiscal Year 2013/2014 Board of Representatives Operating Budget

Fund: 0001 General Fund							
Bur/Office: 201 Operations: Public Services							
Dept/Div: 0211 Traffic & Road Maintenance							
Activity: 2111 Traffic & Road Maintenance Reference # Account Title	FY 11/12 Actual	FY 12/13 Original Budget	FY 12/13 Revised Budget	FY 13/14 Department Request	FY 13/14 Mayor's Request	FY 13/14 Finance Board	FY 13/14 Board of Reps
01421111100 Salaries	2,062,930	2,228,222	2,190,181	2,417,950	2,389,900	2,339,900	2,339,900
01421111202 Permanent Part-time	38,779	38,559	38,559	38,559	38,559	38,559	38,559
01421111203 Seasonal	41,275	40,000	78,641	40,000	40,000	40,000	40,000
01421111301 Overtime	100,842	50,000	118,152	80,000	50,000	50,000	50,000
01421111503 Tool Allowance	360	360	860	500	500	500	500
01421111901 Differential	15,073	16,778	16,778	16,778	16,778	16,778	16,778
01421111902 Stand-By Time	5,218	4,588	5,056	4,588	4,588	4,588	4,588
01421112100 Medical & Life	1,216,554	0	0	0	0	0	0
01421112120 Active Medical & Life	0	801,760	801,760	775,621	775,621	775,621	775,621
01421112121 Retiree Medical & Life	0	351,806	351,806	315,679	315,679	315,679	315,679
01421112200 Social Security	173,149	181,956	181,956	198,776	194,335	190,510	190,510
01421112500 Unemployment Compensation	0	0	0	14,534	14,534	14,534	14,534
01421113202 Conferences & Training	0	0	640	3,000	0	0	0
01421113601 Contracted Services	27,378	33,150	26,509	53,000	33,150	33,150	33,150
01421114400 Equipment Rental	2,000	2,256	7,201	2,256	2,256	2,256	2,256
01421115240 Payments to Insurance Fund	548,408	534,288	534,288	385,679	385,679	385,679	385,679
01421115301 Telephone	15,641	12,557	20,486	12,557	12,557	12,557	12,557
01421115405 Postage	99	930	215	930	930	930	930
01421115500 Copying & Printing	4,987	4,995	4,675	4,995	4,995	4,995	4,995
01421116100 Office Supplies & Expenses	10,911	10,911	11,070	10,911	10,911	10,911	10,911
01421116501 Supplies - Land	77,850	75,000	91,828	175,000	75,000	75,000	75,000
01421116503 Street Painting Supplies	24,122	25,000	22,511	28,000	25,000	25,000	25,000
01421116504 Street & Traffic Signs	27,769	25,000	25,000	25,000	25,000	25,000	25,000
01421116601 Vehicle Maintenance	365,093	200,000	420,936	200,000	200,000	200,000	200,000

Fiscal Year 2013/2014 Board of Representatives Operating Budget

Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2113	Leaf Collection

Department Responsibilities:

To meet state requirements for reducing solid waste transported to landfills, maintaining reasonable and safe travel conditions along City of Stamford rights-of-way, and accommodating curb side residential leaf pick-up on an annual basis.

Program: Annual Leaf Pick-up

To pick-up all the fallen leaves from residential properties that were collected and left curb side by the residents.

Goal: To complete the leaf pick-up program in a timely manner, with no worker injuries or damage to property.

- Objective: Complete the leaf pick-up program within 15 business days (typical start date is the day after Veteran's Day in November), to allow for sufficient prep time before the first snow fall.
 - **Results:** Super Storm Sandy hit the area on October 29, 2012 causing a massive amount of storm debris. The Leaf program typically starts in mid November. Due to the amount of storm debris the "leaf" program became a "Debris" program which lasted twice as long as a typical pick up program. Over 20,000 tons of debris was picked up in a 1 month period.

• Objective: To hold monthly safety meetings to review City and labor force safety issues.

Results: Frequency of meetings have increased leading to a better overall safety record.

Fiscal Year 2013/2014 Board of Representatives Operating Budget

Reference # 4		FY 11/12 Actual	FY 12/13 Original Budget	FY 12/13 Revised Budget	FY 13/14 Department Request	FY 13/14 Mayor's Request	FY 13/14 Finance Board	FY 13/14 Board of Reps
01421131203	Seasonal	91,723	110,711	38,218	110,711	110,711	110,711	110,711
01421131301	Overtime	81,538	70,040	5,634	70,040	70,040	70,040	70,040
01421132200	Social Security	13,827	13,827	13,827	13,827	13,827	13,827	13,827
01421132500 l	Unemployment Compensation	27,294	28,988	28,988	26,307	26,307	26,307	26,307
01421135240 F	Payments to Insurance Fund	25,239	6,570	6,570	9,212	9,212	9,212	9,212
01421135400	Advertising/Official Notices	4,000	4,000	0	4,000	4,000	4,000	4,000
01421136501	Supplies - Land	7,484	8,000	8,000	8,000	8,000	8,000	8,000
01421136700	Small Tools & Replacement	6,167	8,000	8,000	8,000	8,000	8,000	8,000
Leaf Collection		257,272	250,136	109,237	250,097	250,097	250,097	250,097

Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2114	Snow Removal

Department Responsibilities:

To manage the resources, materials and manpower necessary to effectively combat and clean up the results of any and all snow fall, icy conditions, extreme winds and natural or man made disasters in order to maintain reasonable and safe access for all residents and visitors of the City of Stamford.

Program: Snow Removal Program

The mobilization of manpower and vehicles to remove all snow from the streets, sidewalks, and parking areas under the care of the City of Stamford which includes all the parks, areas around public facilities and 54 snow removal routes throughout the streets of the city.

- Goal: To be ready, before the first snow fall, to provide a quick response to any and all snow fall amounts to prevent the accumulation of snow on the streets, sidewalks and parking areas under the care of the City of Stamford, with no damage to property or worker injuries.
 - Objective: Have all snow removal equipment ready for use by mid December and/or before the first snow fall, directly after the leaf pick-up program.

Results: Due to the extended Super Storm Sandy Debris Pick-up program the fleet was not fully prepared for early snow events but the department was able to maintain safe passage on the streets.

• Objective: Hold monthly safety committee meetings to review City and labor force safety issues.

Results: Safety meeting frequency increased leading to a better overall safety record.

Program: Ice Prevention Program

The mobilization of manpower, vehicles and materials to effectively prevent dangerous icy conditions from forming on the streets, sidewalks and public spaces under the care of the City of Stamford.

Goal: To be prepared and informed enough to provide proactive actions that would prevent any dangerous icy conditions from forming.

• Objective: To make sure there is enough salt stored in the domes for the winter season. There are 3 domes with a capacity of 4,000 tons each which requires 12,000 tons of salt for full readiness.

Results: Due to a light winter the past year the salt domes were able to be filled to near capacity.

• Objective: To prevent any incidents from occurring due to icy conditions.

Results: Between the light winters and efficient response to snow events, incidents related to icing conditions have been kept to a minimum.

Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2114	Snow Removal

Program: Emergency/Storm Response

The mobilization of manpower, materials and vehicles in response to any major disaster event to allow for safe passage of the emergency responders and residents.

Goal: To be prepared to respond and communicate efficiently during and after a major event in order to keep the roads free and clear from debris.

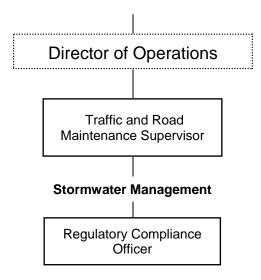
• Objective: To have all roads clear from debris enough to allow for safe passage within 24 hours of an event.

Results: With the addition of a few more plow truck drivers and equipment, responses to snow events have been rapid enough to maintain safe passage on the roadways during the event.

Fiscal Year 2013/2014 Board of Representatives Operating Budget

Fund:0001General FundBur/Office:201Operations: Public ServicesDept/Div:0211Traffic & Road MaintenanceActivity:2114Storm AccountReference # Account Title	FY 11/12 Actual	FY 12/13 Original Budget	FY 12/13 Revised Budget	FY 13/14 Department Request	FY 13/14 Mayor's Request	FY 13/14 Finance Board	FY 13/14 Board of Reps
01421141203 Seasonal	2,795	0	140,337	0	0	0	0
01421141301 Overtime	619,084	462,000	1,285,708	462,000	462,000	462,000	462,000
01421142200 Social Security	40,526	35,343	104,343	35,343	35,343	35,343	35,343
01421143601 Contracted Services	849	1,000	349,415	16,000	1,000	1,000	1,000
01421145240 Payments to Insurance Fund	127,298	157,064	157,064	19,879	19,879	19,879	19,879
01421146501 Supplies - Land	4,836	6,500	6,500	6,500	6,500	6,500	6,500
01421146505 Salt & Sand	354,709	590,000	590,000	590,000	590,000	590,000	540,000
01421146602 Plow Repair	0	5,600	5,600	5,600	4,000	4,000	4,000
01421146605 Equipment Maintenance	13,558	14,000	13,402	14,000	14,000	14,000	14,000
Storm Account Total	1,163,654	1,271,507	2,652,368	1,149,322	1,132,722	1,132,722	1,082,722

City of Stamford Office of Operations Stormwater Management



Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2116	Storm Water Management

Department Responsibilities:

To ensure that the City of Stamford is in compliance with all state and federal regulations regarding storm water permitting. Included in this cost center is a chargeback to the WPCA for operations and maintenance of the pump stations and hurricane barrier.

Program: MS4 Permit

Fulfilling all obligations described within the DEEP issued MS4 permit which regulates all the storm water discharges within the City such as storm water drainage system, rivers and lake outfalls and overall non-permeable surface drainage.

Goal: To build a team that can effectively and efficiently comply with all the requirements outlined in the MS4 permit.

- **Objective:** To map out and clean all 15,000 storm water catch basins in the City within the permitted time frame. *Results: New program will report results next fiscal year.*
- Objective: To map out all the outfalls along the City's rivers and lakes.

Results: New program - will report results next fiscal year.

Program: Residential and Commercial Compliance

Ensuring that the residents and local businesses are in compliance with City, State and Federal regulations by using the latest storm water management techniques.

Goal: To educate the public about the need and benefits of proper Stormwater Management.

• **Objective:** To identify the sources of any outfalls that contain ilicit discharges that can harm the water system. *Results: New program - will report results next fiscal year.*

Goal: To educate the public so that they are aware of and can implement the latest storm water management techniques.

• Objective: To educate and prevent the public from dumping materials onto the roads that can end up in the storm water catch basins. *Results:* New program - will report results next fiscal year.

Fiscal Year 2013/2014 Full Time Salary Comparison

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2116	Storm Water Management

Job Title	Pos 12/13	Pos 13/14	FY 12/13 Budget Salary	FY 13/14 Budget Salary	Budget Salary \$ Increase	Budget Salary % Increase
BUDGET ADJUSTMENT	0	0	0	-74,163	-74,163	100.00%
Regulatory Compliance Officer	0	1	0	74,163	74,163	100.00%
Total	0	1	\$ <i>0</i>	\$0	\$0	100.00%

New Position

Fiscal Year 2013/2014 Board of Representatives Operating Budget

Fund:0001General FundBur/Office:201Operations:Public ServicesDept/Div:0211Traffic & Road Maintenance							
Activity: 2116 Stormwater Management Reference # Account Title	FY 11/12 Actual	FY 12/13 Original Budget	FY 12/13 Revised Budget	FY 13/14 Department Request	FY 13/14 Mayor's Request	FY 13/14 Finance Board	FY 13/14 Board of Reps
01421161100 Salaries	0	0	0	74,163	74,163	0	0
01421161203 Seasonal	0	0	0	0	0	0	0
01421161301 Overtime	0	0	0	0	0	0	0
01421162120 Active Medical & Life	0	0	0	0	0	0	0
01421162200 Social Security	0	0	0	6,056	6,056	0	0
01421163601 Contracted Services	0	0	0	0	0	0	0
01421164400 Equipment Rental	0	0	0	0	0	0	0
01421165301 Telephone	0	0	0	0	0	0	0
01421165405 Postage	0	0	0	0	0	0	0
01421165500 Copying & Printing	0	0	0	0	0	0	0
01421166100 Office Supplies & Expenses	0	0	0	500	500	0	0
01421166501 Supplies - Land	0	0	0	0	0	0	0
01421166601 Vehicle Maintenance	0	0	0	0	0	0	0
01421166610 Software Maintenance	0	0	0	0	0	0	0
01421166700 Small Tools & Replacement	0	0	0	500	500	0	0
01421166901 Protective Clothing	0	0	0	500	500	0	0
01421166902 Uniforms	0	0	0	0	0	0	0
01421168859 Chargeback From WPCA	0	0	0	335,446	335,446	335,446	335,446
01421168909 OSHA Safety Requirement	0	0	0	0	0	0	0
Stormwater Management Total	0	0	0	417,165	417,165	335,446	335,446

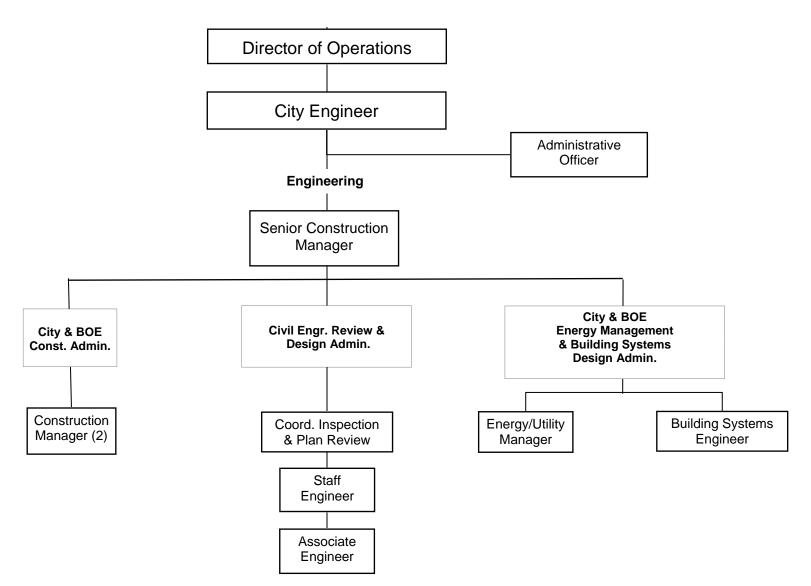
Fiscal Year 2013/2014 Activity Summary Report

Fund: 0001 General Fund

Bur/Offc: 202 Operations: Engineering

	FY 11/12 Actual	FY 12/13 Original Budget	FY 12/13 Revised Budget	FY 13/14 Department Request	FY 13/14 Mayor's Request	FY 13/14 Finance Board	FY 13/14 Board of Reps
Dept/Div: 0220 Engineering							
2200 Engineering	2,346,764	2,375,565	2,313,588	2,297,522	2,292,140	2,292,140	2,292,140
Engineering Total	2,346,764	2,375,565	2,313,588	2,297,522	2,292,140	2,292,140	2,292,140
Dept/Div: 0221 Traffic Engineering							
2210 Traffic Engineering	1,007,255	1,044,065	1,032,621	1,184,975	1,051,725	1,051,725	1,051,725
Traffic Engineering Total	1,007,255	1,044,065	1,032,621	1,184,975	1,051,725	1,051,725	1,051,725
Operations: Engineering Total	\$3,354,019	\$3,419,630	\$3,346,209	\$3,482,497	\$3,343,865	\$3,343,865	\$3,343,865

City of Stamford Office of Operations Engineering



Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

Department Responsibilities:

The mission of Engineering Department is to deliver the City's substantial volume of design and construction projects in an expeditious, costeffective manner while maintaining the highest degree of architectural, engineering, and construction quality.

The Engineering Department administers many capital improvement projects involving the City's infrastructure, including storm and sanitary sewers, school construction, roadways, sidewalks, bridges, parks, City building facilities, street lights, energy performance and mechanical systems. In addition to managing design and construction of Engineering Department projects, the Department has undertaken the management of many capital projects for other departments, including the Board of Education, Land Use, Police Department, Fire Department, Public Safety, Parks and Recreation Department, and Facilities Management.

The Department prepares and administers design of many public improvement projects "in house," with the majority of Board of Education and larger transportation projects utilizing professional consulting architects and engineers.

Furthermore, the Engineering Department supports internal customer relations (citizens services), permit issuance, public inquiries and maintains and updates all engineering records.

Program: Administrative

The mission of the Administrative program is to support all activities within the Engineering Bureau as well as support internal customer relations (citizens services), permit issuance, public inquiries and maintain and update all engineering records.

Goal: Respond to all inquiries in a timely manner.

- **Objective:** Respond to all public walk-in inquiries (i.e. research for plans and engineering records) within the same day.
 - **Results:** On the average, the Department receives 10 walk-in requests a day. 98% of citizens received services and results within the same day. Some complicated requests required more time or more manpower to perform research and investigatation, resulting in a delayed response.
- Objective: Issue the Street Opening and Street Use permits within 3 days of receipt of the application and necessary documents required.

Results: 100% of Street Use permits are issued within 3 days of receipt of the application.

Street Opening permit application requires more time to review. With the current staffing level, 92% of Street Opening permits were issued within 3 days of receipt of the application.

Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

Program: Construction Management

The mission of the Construction Management program is to provide supervision and construction inspection of all capital projects being performed throughout the City so that projects are built in an efficient, high quality manner that allows for assets throughout the City to retain their value and provide effective services to the City for many years.

Engineering Department is also responsible for 3 capital programs. These programs include Street Resurfacing/Paving Program, Citywide Sidewalk Program, and Citywide Drainage Catch Basin and Manhole Replacement Program.

Goal: Complete capital projects on time and on budget with minimum interruption to residents, business owners, or school administration.

- Objective: Complete capital projects on or before deadlines i.e. school opening dates, grant expiration dates, federal guidelines, and etc.
 - **Results:** All schools opened on schedule. Project designs underway to perform construction during summer. State grants for eligible school construction being obtained. Storm Sandy impacted many City parks and roadway infrastructure. As a result, many storm restoration projects are being planned and undertaken in parallel with the FY12/13 Capital Projects. All paving and sidewalk projects programmed during this period were completed as scheduled before winter shutdown.
- Objective: Manage capital project expenses to fall within funding availability by performing value engineering, keep track of inspection daily record to quantify the use of contractor's labors and materials, comply with State or Federal guidelines in order to obtain as much grant opportunity possible to fund capital projects.
 - **Results:** Inspection of capital projects continues, some resources have been dedicated to Storm Sandy projects, not foreseen in capital plan. Major State Grant projects have been bid and completed within this period.

Many Storm Sandy projects related to restoration were reviewed with FEMA for Public Assistance funding. Furthermore, the Engineering Bureau worked with other City Departments to plan and execute beach projects within mandated CT DEEP deadlines in this period.

Program: Design and Review

The mission of the Design and Review program is to prepare plans and bid specifications, assist in obtaining permits, oversee A&E design, conduct periodic subdivision reviews, so that projects throughout the City are performed in an efficient, safe and logical manner at the least possible cost to the taxpayer.

Goal: Complete engineering plan review thoroughly and in timely manner.

• Objective: Issue engineering sign-off and/or engineering review comments within 60 days of receipt of the plan.

Results: During the first 6 months of FY12/13, only 91% of plans were reviewed on time. To improve the review of projects, additional resources were retained to maintain the demand.

Fiscal Year 2013/2014 Department Summary

Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

Program: Planning

The mission of the Planning program is to determine project needs and costs and provide professional engineering services to city departments, outside contractors and design professionals so that projects throughout the City are performed in an efficient, safe and logical manner at the least cost to the taxpayer.

Goal: Plan wisely to meet capital project needs, funding availability, and project schedule.

- Objective: Determine capital budget amounts appropriately, submit capital project budget request and any supplemental budget request on time.
 - **Results:** The Department prepared, determined and submitted 19 capital budget requests of \$23 million for FY13/14 on time. The Department also assisted BOE in submitting 16 supplemental budget requests of \$18 million on time.

Budget preparation is a combination of addressing Citizens Service's complaints, coordination with utility companies, and many meetings with other City Departments to assess capital needs.

• Objective: Coordinate with local, state and federal agencies to meet project requirements, and to obtain grant funding.

Results: During the first 6 months of FY12/13, the Department spent majority of time on coordinating with FEMA to obtain federal reimbursement to recover from Super Storm Sandy damages.

The Department continues to meet with FTA officials during the bidding and award of SUT2. The City meets regularly with ConnDOT regarding large development projects in the South End.

Fiscal Year 2013/2014 Full Time Salary Comparison

Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

Job Title	Pos 12/13	Pos 13/14	FY 12/13 Budget Salary	FY 13/14 Budget Salary	Budget Salary \$ Increase	Budget Salary % Increase
Administrative Officer	1	1	92,502	96,607	4,105	4.44%
Associate Engineer	2	1	146,185	73,598	-72,587	-49.65%
Building Systems Engineer	0	1	0	83,794	83,794	100.00%
City Engineer	1	1	141,274	147,528	6,254	4.43%
Construction Manager	2	2	206,060	206,852	791	0.38%
Coord Inspect & Plan Review 35	1	1	84,341	91,181	6,840	8.11%
Energy/Utility Manager	1	1	104,806	109,441	4,635	4.42%
Sr. Construction Manager	1	1	118,173	123,501	5,328	4.51%
Staff Engineer	1	1	90,092	90,537	445	0.49%
Total	10	10	\$983,433	\$1,023,039	\$39,606	4.03%

FY 13/14 Includes one additional workday from 52 to 52.2 weeks an increase of 0.38%, Administrative Officer, City Engineer, Energy/Utility Manager and Sr. Construction Manager increase due to compounded three year wage increase, One Associate Engineer positon eliminated, One Building Systems Engineer position created. Coord Inspect & Plan Review increase due to three year compounded wage increase and step increase, Staff Engineer increase due to longevity.

2014-2015 CAPITIAL BUDGET

City of Stamford

Adopted Capital Budget Fiscal Year 2014 - 2015

David R. Martin, Mayor

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Table of Contents

MAYOR'S TRANSMITTAL MESSAGE	i
CAPITAL BUDGET BY CATEGORY	1
CAPITAL BUDGET BY ACTIVITY	2
CAPITAL BUDGET BY AGENCY	3
PROJECTED SOURCES OF CAPITAL FUNDING	4
CAPITAL BUDGET SUMMARY BY DEPARTMENT	5
CAPITAL BUDGET FINANCING SUMMARY	6

General Obligation - Long Term Financing

7
8
9
0
1
2
13
4
15
6
7
18
19
20
21
22
23

CP1372	(0061)	OAKDALE ROAD CULVERT AND CATCH BASINS	24
CP3220	(0081)	MAJOR BRIDGE REPLACEMENT	25
NEW	(0094)	DAVENPORT STREET DRAINAGE	26
CP1199	(0147)	MERRIEBROOK BARN RENOVATIONS	27
CP5208	(0181)	ROXBURY ROAD DRAINS	28
NEW	(0182)	MYANO LANE RECONSTRUCTION	29

0221 - Operations: Engineering - Traffic Engineering

CP5506	(0148) TRAFFIC SIGNAL COMMUNICATION AND CONTROL HARDWARE UPGRADE	30
CP3036	(0130) OAKLAWN AVENUE IMPROVEMENTS	32
CP1281	(0077) ROADWAY DESIGN AND RECONSTRUCTION	33
CP2232	(0089) WATERSIDE VILLAGE STREETSCAPE IMPROVEMENTS	34
CP1373	(0048) RIVERBEND SOUTH - RAILROAD CROSSING GATES	35
CP8219	(0072) TRAFFIC CALMING IMPLEMENTATION	36
CP6571	(0197) PAVEMENT MARKINGS	37
CP3221	(0084) SCHOOL ZONE FLASHERS	38
C56174	(0046) CITYWIDE SIGNALS	39
CP5231	(0085) SAFE ROUTES TO SCHOOLS	41
NEW	(0102) STILLWATER ROAD @ ROXBURY ROAD AND LONG RIDGE ROAD	42
CP2057	(0103) EMERGENCY BACK UP POWER FOR TRAFFIC SIGNALS	43
NEW	(0113) COLD SPRING ROAD @ WASHINGTON BOULEVARD	44
C53428	(0129) LARGO DRIVE @ HOPE STREET - IMPROVEMENTS	45
NEW	(0131) WESTOVER ROAD @ MERRIEBROOK LANE	46
C56172	(0174) STILLWATER ROAD INTERSECTIONS	47
C56211	(0176) CONCEPT DESIGN FOR INTERSECTION IMPROVEMENTS	48
CP0087	(0210) HIGH RIDGE ROAD AND LONG RIDGE ROAD - CORRIDOR STUDY	49
CP8225	(0257) ATLANTIC STREET RECONSTRUCTION	50
NEW	(0399) STREET CAR SYSTEM	51
NEW	(0463) SUT II - OFF-STREET PARKING	52

0230 - Operations: Land Use - Administration

CP0050	(0325) MILL RIVER IMPROVEMENTS	53						
	(0251) MASTER PLANS	54						
NEW	(0404) URBAN FORESTRY MASTER PLAN	55						
CP3810	(0405) VETERANS PARK MASTER PLAN	56						
NEW	(0417) SOUTH END IMPLEMENTATION STUDY	57						
NEW	(0418) DOWNTOWN IMPLEMENTATION STUDY	58						
0260 - Ope	0260 - Operations: Administration - Maintenance Facilities							

CP3038	(0397) GOVERNMENT CENTER RENOVATIONS	59
CP5216	(0033) LATHON WIDER COMMUNITY CENTER	60
CP3416	(0387) CURTAIN CALL INTERIOR RENOVATIONS	61
CP3695	(0114) TERRY CONNERS RINK UPGRADES	62

	C56169	(0170)	PAVING & DRAINAGE	63
	CP2213	(0192)	LEASED FACILITIES CAPITAL REPAIRS	64
	C56079	(0173)	FENCING & GUARD RAILS	65
	CP0233	(0285)	GENERATORS	66
	CP3775	(0374)	DORTHY HEROY COMPLEX PHASE 1	67
	CP5602	(0376)	VETERANS PARK	68
	CP6908	(0175)	ROOF REPLACEMENT/REPAIR	69
		· ·	YERWOOD CENTER RENOVATIONS	
		. ,	GLENBROOK COMM CTR CONSTRUCTION	
		· · ·	COVE ISLAND BARN RESTORATION	
		• •	PLAYGROUND REHABILITATION	
			CITYWIDE ELECTRICAL SYSTEM UPGRADE	
		` '	GAME COURTS	
		. ,	ATHLETIC FIELDS RENOVATION	
	NEW	· · ·	BARRETT PARK BUILDING REPLACEMENT	
	NEW	· · ·	WEST BEACH PAVILION	
	NEW	· · ·	ROSA HARTMAN PHASE 2	
	CP3801	. ,	TOWN YARD UPGRADES	
		· ·	SCALZI PARK PHASE 4	
		` '	IMPLEMENTATION OF PHASE 1 OF MASTER PLAN- CUMMINGS/WEST BEACH COVE ISLAND BEACH RESILIENCY PROJECT	
	NEW NEW	` '	STAMFORD EMS UPGRADES	
		. ,		04
			Public Safety, Health & Welfare - Director	
	C63005	(0388)	FIRE APPARATUS	85
)330	- Polie	ce - D	epartment Wide	
	CP1197	(0034)	JAIL CELL UPGRADE	87
		• •	POLICE HEADQUARTERS INFRASTRUCTURE IMPROVEMENTS	
	NEW	(0155)	LOCKER ROOM RENOVATION	89
	NEW	(0419)	SPECIALITY POLICE VEHICLES	90
)342	- The	Big F	ive Volunteer Fire Depts - Belltown	
		•	EMERGENCY GENERATOR & ELECTRICAL UPGRADES	91
		()	BELLTOWN BUILDING & EXTERNAL IMPROVEMENTS.	
			ive Volunteer Fire Depts - Long Ridge	
		•		
		` '	LONG RIDGE BUILDING & EXTERNAL IMPROVEMENTS	93
)345	- The	Big F	ive Volunteer Fire Depts - Springdale	
	CP9461	(0057)	SPRINGDALE BUILDING & EXTERNAL IMPROVEMENTS	94
	NEW	(0361)	SPRINGDALE IMPROVEMENTS INTERIOR RENOVATIONS	95
0346	- The	Big F	ive Volunteer Fire Depts - Turn of River	
	NEW	•	CODE COMPLIANCE TOR STATION #1 SPRINKLER SYSTEM	96
		(0.00)		00

NEW	(0140) ROOF REPLACEMENT TOR STATION #2	97
NEW	(0141) WINDOW & DOOR REPLACEMENT TOR STATION #2	98
NEW	(0143) TOR STATION 1 BOILER REPLACEMENT AND FLOOR HEATERS	99
NEW	(0144) STATION 2 BOILER REPLACEMENT	100
NEW	(0363) PARKING LOT REPLACEMENT	101
NEW	(0364) TOR STATION 1 ADDITION	102
NEW	(0367) ELEVATOR STATION #1	103
NEW	(0444) TOR STATION 2 ADDITION	104
0351 - Sta	mford Fire & Rescue - Department Wide	
CP9351	(0062) HYDRANT REPLACEMENT	105
CP3809	0 (0373) CENTRAL FIRE HEADQUARTERS RENOVATION	106
C56212	(0040) FACILITIES IMPROVEMENTS	107
CP2351	(0083) EAST SIDE FIRE STATION	108
NEW	(0166) FIRE MAINTENANCE GARAGE	109
NEW	(0432) FIRE CISTERNS	
NEW	(0434) PERSONAL PROTECTION EQUIPMENT (PPE)	111
NEW	(0435) VINE ROAD STATION 8	112
0370 - Sm	ith House - Smith House	
CP5029	0 (0121) GENERATOR REPLACEMENT	113
NEW	(0448) INTERIOR PATIENT/RESIDENT AREA REDESIGN AND RECONFIGURATION	114
0501 - Offi	ice of the Mayor - Community Development	
C46047	(0014) HOUSING DEVELOPMENT FUND	115
0670 - Sco	ofield Manor - Capital	
CP5030	0426) SCOFIELD MANOR HEATING SYSTEM REPLACEMENT	116
CP1671	(0055) SCOFIELD BLDG IMPROVEMENT & EXTERIOR REPAIRS	117
NEW	(0342) SCOFIELD MANOR IMPROVEMENTS INTERIOR RENOVATIONS	118
0680 - Sta	mford Museum - Capital	
CP1683	0047) WATER LINE CONNECTION	119
CP3680	0 (0052) MAIN BUILDING RENOVATION	120
NEW	(0122) OBSERVATORY RENOVATION	121
	(0123) MULTI-USE BUILDING CONSTRUCTION	
CP3343	3 (0133) SITE & INFRASTRUCTURE IMPROVEMENTS	123
0690 - Fer	guson Library - Capital	
	(0018) MAIN LIBRARY BUILDING RESTORATION	
CP3083	(0064) DIGITIZATION & PRESERVATION OF LOCAL DOCUMENTS	125
NEW	(0078) COMMUNITY CENTER LIBRARIES	126
NEW	(0105) MATERIAL CONTROL SYSTEM FOR BRANCHES	127
NEW	(0111) HARRY BENNETT BRANCH RENOVATION	
NEW	(0115) FEASIBILITY STUDY FOR BRANCH EXPANSION	129

NEW	(0117) BOOKMOBILE REPLACEMENT	130
0695 - Bar	tlett Arboretum - Capital	
CP3804	(0348) BARTLETT ARBORETUM SITE AND INFRASTRUCTURE IMPROVEMENTS	131
NEW	(0360) BARTLETT ARBORETUM - GREENHOUSE REHABILATATION	132
NEW	(0429) BARTLETT ARBORETUM - PAVILION	133
NEW	(0437) BARTLETT ARBORETUM COTTAGE REBUILD	134
0900 - Boa	ard of Education - Capital	
C5B622	(0172) STAMFORD HS CODE/RENOVATION/EXPANSION	135
C5B627	(0186) DISTRICT-WIDE ASBESTOS ABATEMENT	136
CPB504	(0412) BOE SAFETY AND SECURITY	137
C5B613	(0041) DISTRICT-WIDE BOILER & BURNER REPLACEMENT	138
C36589	(0015) SPRINGDALE EXPANSION/CODE WORK	139
C31072	(0017) DISTRICT-WIDE ENERGY EFFICIENCY PROJECTS	140
CPB092	2 (0021) DISTRICT-WIDE ROOFING REPLACEMENTS	141
CPB500) (0013) DISTRICT-WIDE INDOOR AIR QUALITY	142
C5B623	0056) DISTRICT-WIDE PAVING & RESURFACING	143
CPB002	2 (0107) DISTRICT-WIDE FACILITIES EQUIPMENT	144
C5B629	(0003) DOLAN MS RENOVATION	145
C36668	(0007) WESTHILL HS INFRASTRUCTURE RENOVATION	146
C5B637	(0023) RIPPOWAM CENTER RENOVATION	147
C5B608	(0031) DISTRICT-WIDE ATHLETIC FIELDS RENOVATION	148
CPB121	0079) INTERCOM REPLACEMENT	149
CPB691	0088) TURN OF RIVER CODE WORK	150
CPB639	9 (0096) DISTRICT-WIDE ELECTRICAL UPGRADES	151
CPB017	(0112) DAVENPORT CODE COMPLIANCE	152
CPB690) (0177) NORTHEAST CODE RENOVATIONS	153
CPB211	0287) DISTRICTWIDE CODE COMPLIANCE	154
C5B217	(0407) TOQUAM INDOOR AIR QUALITY ISSUES	155
NEW	(0459) TEMPORARY SPACE	156
NEW	(0461) PERMANENT SPACE	157
CLC - Chil	dcare Learning Center - Capital	
CP4009	(0420) LOCKWOOD/MAPLE AVENUE K-WING RENOVATION	158
CP3803	(0339) CLC FACILITY REHAB PROJECT	159
CP1202	(0037) ROOF REPLACEMENT	160
SCA - Star	mford Center for the Arts - Capital	
CP6592	(0070) PALACE AUDITORIUM ROOF	161
NEW	(0134) AUDITORIUM RENOVATION	162
NEW	(0357) INTERIOR FINISHES	163
NEW	(0428) WEST WALL REHABILITATION	164

STFLIB - Short Term Financing - Ferguson Library - Capital

General Obligation - Short Term Financing

STF - Short Term Financing - Capital

C65200	(0091) CITYWIDE VEHICLE REPLACEMENT & UPGRADE	166
C65201	(0092) CITYWIDE TECHNOLOGY REPLACEMENT & UPGRADE	167
	(0093) CITYWIDE EQUIPMENT REPLACEMENT & UPGRADE	169
NEW	(0126) STAMFORD MUSEUM & NATURE CENTER TECHNOLOGY	170

General Obligation - Short Term Financing - BOE

STFBOE - Short Term Financing - BOE - Capital

C5B609 (0010) DISTRICT-WIDE TECHNOLOGY EQUIPMENT	171
CPB803 (0026) DISTRICT-WIDE TECHNOLOGY INFRASTRUCTURE	172

General Obligation - Short Term Financing - Ferguson Library

STFLIB - Short Term Financing - Ferguson Library - Capital

CP3690	(0125) FERGUSON LIBRARY COMPUTER SYSTEM INFRASTRUCTURE	173
CP5046	(0116) FERGUSON LIBRARY VEHICLE REPLACEMENT	174
NEW	(0080) MATERIAL DISPENSING KIOSK	175

Self-Supporting Debt

0029 - Special Revenue - Parking Fund

CP5010	(0427) SECURITY CAMERA UPGRADE AT BEDFORD, BELL AND SUMMER GARAGES	176
CP2214	(0193) PARKING METER REPLACEMENT	177
0033 - Spe	cial Revenue - Water Pollution Control	
C22046	(0097) PERNA LANE AREA SEWERS	178
CP5025	(0424) AERATION BLOWERS UPGRADE	179
	(0421) SCADA SYSTEM UPGRADE	180
CP5147	(0422) UPGRADE PLANT HEADWORKS	181
CP5241	(0086) STORM WATER PUMP STATIONS	182
CP9270	(0184) SANITARY PUMPING STATION UPGRADE	183
CP5233	(0425) WEST VIEW LANE AREA SEWERS	184
C71282	(0030) VEHICLE REPLACEMENT AND REPAIR	185
C71196	(0076) CMOM- SEWER CAPACITY MANAGEMENT, OPERATION & MAINTENANCE	186
CP2047	(0098) PROJECT GIS	187

Mayor David R. Martin



CITY OF STAMFORD OFFICE OF THE MAYOR STAMFORD GOVERNMENT CENTER 888 WASHINGTON BOULEVARD P.O. BOX 10152 STAMFORD, CT 06901-2902

Phone: (203) 977-4150 FAX: (203) 977-5845 Email: dmartin@ci.stamford.ct.us

July 1, 2014

Members of the Board of Finance Members of the Board of Representatives Members of the Planning Board Citizens of the City of Stamford

I am pleased to transmit the Adopted Capital Budget for the fiscal year commencing July 1, 2014 and ending June 30, 2015 along with the plan for capital spending over the succeeding six years. This budget represents the culmination of a Capital Budget submission and approval process that started back in August, 2013 and was completed in May, 2014.

This City of Stamford Capital Budget for the fiscal year beginning July 1, 2014, which includes all approved projects for both City departments and outside agencies, calls for \$42,752,888 in total capital spending, of which \$27,310,583 will be financed with tax supported General Obligation Bonds.

I want to thank the Planning Board for their efforts in developing their recommended Capital Budget and both the Board of Finance and Board of Representatives for their review and approval of this final Adopted Capital Budget.

Respectfully Submitted,

David R. Martin Mayor



0220	Operations: Engineering - Engineering	No Balance	Priority	Priority	
CP5301	HOLCOMB AVENUE DRAINAGE IMPROVEMENT		Dept	7	
			Planning	7	

441 Increase the size of the underground stormwater drainage system piping and structures from Strawberry Hill Avenue to the existing culvert at Cowan Avenue Mill and pave Holcomb Avenue and add concrete curbing. Sidewalk improvement on the entire north side of Holcomb Avenue from Strawberry Hill Ave to Hillandale Ave.

Detail Project Cost			Project Schedule			Contact Info			Justific	Justification for Inclusion in Capital Plan				
Effective Date Design Development Construction Related \$		\$0 \$700,000	Design Impleme		7/1/2014	End 6/30/2015	Lou Casolo (203) 977-57 Lcasolo@Stai			Cont	Safety inues On-Go rages Other structure			
Equipment Acquisition Miscellaneous Costs Professional Services Land Acquisition		\$0 \$0 \$0 \$0		oject for co	onstruction, r	e. from Strawb econstruction the City and c	or remodelin	g of	Ave. Yes 🗹 No	Plan Plan Publi Man	ity of Life Related ic Safety Hea dated Legal			
FY 14/15 Total \$700,000		Method L Estimatin									Impact nal Impact/Ef	ficiency		
Term	20									C	apital Forec	ast		
	City Bond	WPCA Bond	ST Grant	Loan	Fed Gran	t Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Dept	700,000	0	0	0		0 0	700,000	0	0	0	0	0	0	700,000
Planning	500,000	0	0	0		0 0	500,000	200,000	0	0	0	0	0	700,000
Mayor	500,000	0	0	0		0 0	500,000	200,000	0	0	0	0	0	700,000
BOF	500,000	0	0	0		0 0	500,000	200,000	0	0	0	0	0	700,000
BOR	500,000	0	0	0		0 0	500,000	200,000	0	0	0	0	0	700,000
Reason fo	eason for Project (if new) To tie into Boyle Stadium drainage system recently completed.													

Project is to address flooding problems reported for over 30 years. Existing roadway drainage system capacity at Holcomb Avenue is insufficient to handle large rainfall events. The flooding impacts the newly installed Boyle Stadium turf field, running track, and locker rooms based on off site impacts.

Design is completed. Scheduled to bid in winter 2013.

gineering
5

C16012 CITY WIDE STORM DRAINS

19 Installation and replacement of storm drains, catch basins, and curbs.

	Detail P	roject Cost		Project Schedule					Contact Info		Justific	Justification for Inclusion in Capital Plan					
Effective			\$0	Design	StartEndLou CasoloDesign(203) 977-5796						 Life Safety Continues On-Going Project 						
-	evelopment tion Related		\$0 \$600,000	Implementation 7/1/2014 6/30/2021 Icasolo@StamfordCT.gov							□ Leverages Other Funds ✓ Infrastructure						
	ent Acquisition neous Costs	on	\$0 \$0	Project Location Citywide								 Quality of Life Plan Related ✓ Public Safety Health Mandated Legal 					
Professio	onal Services	;	\$0	Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public?													
	Land Acquisition\$0FY 14/15 Total\$600,000				Method Used in Engineering estimates and unit prices from recently bid projects. Estimating Cost						 Positive Revenue Impact Positive Operational Impact/Efficie Other 						
Term	20									C	apital Forec	ast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total			
Dept	600,000	0	0	0	0	0	600,000	600,000	600,000	600,000	600,000	600,000	600,000	4,200,000			
Planning	450,000	0	0	0	0	0	450,000	750,000	600,000	600,000	600,000	600,000	600,000	4,200,000			
Mayor	450,000	0	0	0	0	0	450,000	750,000	600,000	600,000	600,000	600,000	600,000	4,200,000			
BOF	450,000	0	0	0	0	0	450,000	750,000	600,000	600,000	600,000	600,000	600,000	4,200,000			
BOR	450,000	0	0	0	0	0	450,000	750,000	600,000	600,000	600,000	600,000	600,000	4,200,000			
Reason fo	or Proiect (i	f new)															

Reason for Project (if new)

Proposed FY14/15 locations including but not limited to investigation/design of drainage systems. Based on Citizens Service Requests or known problems associated with localized flooding.

Balance: \$487,494.84 as of 6/30/2014	Priority	/
	Dept	2
	Planning	2

0220 Operations: Engineering - Engineering

Balance: \$212,655.98 as of 6/30/2014	Priority	/
	Dept	4
	Planning	4

C56129 CITYWIDE MANHOLE & BASIN

39 The City's road network contains more than 12,000 manholes and basins. These structures require periodic reconstruction and adjustment at an average cost between \$3,000 and \$6,000 per basin. This work is critical to protect the safety of the public and to maintain the City's investment in the infrastructure.

	Detail Pr	roject Cost			Project	Schedule			Contact Info	I	Justific	Justification for Inclusion in Capital Plan				
Construc	evelopment ction Related		\$0 \$500,000	StartEndLou CasoloDesignImplementation7/1/20146/30/2021(203) 977-5796Implementation7/1/20146/30/2021Icasolo@StamfordCT.gov							Cont	Continues On-Going Project Leverages Other Funds				
Miscella	ent Acquisitio neous Costs onal Services quisition		\$0 \$0 \$0 \$0	Is this pro	Project Location Citywide Image: Sthis project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? Image: Construction of the public of											
FY 14/15 Total \$500,000			\$500,000		Method Used in Current bid prices. Positive Operation Estimating Cost Other						ive Operatio	-	fficiency			
Term	20									C	Capital Forecast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total		
Dept	500,000	0	0	0	0	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	3,500,000		
Planning	300,000	0	0	0	0	0	300,000	700,000	500,000	500,000	500,000	500,000	500,000	3,500,000		
Mayor	300,000	0	0	0	0	0	300,000	700,000	500,000	500,000	500,000	500,000	500,000	3,500,000		
BOF	300,000	0	0	0	0	0	300,000	700,000	500,000	500,000	500,000	500,000	500,000	3,500,000		
BOR	300,000	0	0	0	0	0	300,000	700,000	500,000	500,000	500,000	500,000	500,000	3,500,000		
Reason fo	or Project (if	f new)														

Priorities are determined based on severity of location. Locations reported from Citizen's Service Requests.

0220	Operations: Engineering - Engineering	Balance: \$134,406.62 as of 6/30/2014	Priority	1
CP0211	ENVIRONMENTAL COMPLIANCE		Dept	13
			Planning	13

42 This program is required to investigate and assess and correct as necessary of drainage systems discharging into water body, rivers, ponds, etc. and to evaluate Public Services facilities and modify practices in compliance with state and federal regulations. Based upon the requirements set forth in the draft MS-4 permit, significant action is mandated by the CT DEEP.

	Detail P	roject Cost			Projec	t Schedule			Contact Info)	Justifi	Justification for Inclusion in Capital Plan					
Construc Equipme	Date evelopment tion Related nt Acquisitic neous Costs		\$0 \$250,000 \$0 \$0	Design Impleme Project L	entation	7/1/2014 Various City	6/30/2021 locations	Lou Casolo (203) 977-57 Icasolo@Star	mfordCT.gov		Cont Leve Infra Qual	 Continues On-Going Project Leverages Other Funds Infrastructure Quality of Life Plan Related Public Safety Health 					
Professic Land Acc FY 14/15	-		\$0 \$0 \$250,000	any build Method	Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? □ Yes ♥ No ♥ Public Safety H Method Used in Engineering estimates Engineering estimates ♥ Positive Reven						dated Legal ive Revenue ive Operation	Impact	fficiency				
Term	20			-						(Capital Fored	ast					
	City Bond	WPCA Bor	d ST Gran	: Loan	Fed Gran	t Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total			
Dept	250,000		0	0 0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000			
Planning	250,000		0	0 0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000			
Mayor	250,000		0	0 0		0 0	250,000	250,000	250,000	250,000	250,000	250,000 250,000		1,750,000			
BOF	250,000		0	0 0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000			
BOR	250,000		0	0 0		0 0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,750,000			

Reason for Project (if new)

This funding will be used to help Stamford comply with mandates imposed by both the state (DEEP) and federal government (EPA). Non-compliance can result in substantial fines being handed down to the City.

0220	Operations: Engineering - Engineering	Balance: \$255,850.00 as of 6/30/2014	Priority	,
CP1075	SKYMEADOW DRIVE DRAINAGE IMPROVEMENT		Dept	8
			Planning	8

120 Excessive roadway shoulder erosions due to lack of drainage structures. Drainage improvements of Skymeadow Drive from Skyline Lane to High Ridge Rd. and road paving from Scofieldtown Road to High Ridge Road.

	Detail P	roject Cost			Project	Schedule			Contact Info)	Justifi	Justification for Inclusion in Capital Plan					
-	Date evelopment tion Related		\$0 450,000	Start End Lou Casolo Design 12/1/2012 5/31/2014 (203) 977-5796 Implementation 7/1/2014 12/31/2015 Icasolo@StamfordCT.gov							Cont	 Continues On-Going Project Leverages Other Funds Infrastructure 					
Miscellar	nt Acquisitic neous Costs onal Services		\$0 \$0 \$0	Project Location Skymeadow Drive from Skyline Ln. to High Ridge Rd. Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? □ Yes ♥ No								 Quality of Life Plan Related Public Safety Health Mandated Legal 					
Land Acquisition \$0 FY 14/15 Total \$450,000				Method L	Method Used in Engineering Estimates Positive Revenu Estimating Cost Positive Operation					tive Revenue tive Operatio	-	fficiency					
Term	20									C	apital Fored	ital Forecast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total			
Dept	450,000	0	0	0	0	0	450,000	0	0	0	0	0	0	450,000			
Planning	250,000	0	0	0	0	0	250,000	200,000	0	0	0	0	0	450,000			
Mayor	250,000	0	0	0	0	0	250,000	200,000	0	0	0	0	0	450,000			
BOF	250,000	0	0	0	0	0	250,000	200,000	0	0	0	0	0	450,000			
BOR	250,000	0	0	0	0	0	250,000	200,000	0	0	0	0	0	450,000			
Reason fo	or Project (i	f new)															

Drainage improvements and paving of Skymeadow Drive from Skyline Lane east to High Ridge Rd. and full depth reconstruction including road paving from Skyline Lane west to Scofieldtown Road.

0220	Operations: Engineering - Engineering
CP3220	MAJOR BRIDGE REPLACEMENT

Balance: \$1,000,063.62 as of 6/30/2014	Priority	/
	Dept	15
	Planning	15

This account is for the construction, and inspection of bridges in need of replacement throughout the City. FY13/14 request is for Main Street Bridge over the Rippowam 81 River and out year requests are for Riverbank Road Bridge over the Mianus River, and Cedar Height Road over the Rippowam River Bridge replacements.

	Detail P	roject Cost			Project S	Schedule			Contact Info)	Justifi	Justification for Inclusion in Capital Plan					
Effective Date Design Development Construction Related Equipment Acquisition			\$0 \$0	Start End Lou Casolo Design 12/15/2012 5/1/2015 (203) 977-5796 Implementation 5/1/2015 12/31/2016 Icasolo@StamfordCT.gov							 Life Safety Continues On-Going Project Leverages Other Funds Infrastructure 						
Miscella	neous Costs onal Services		\$0 \$0 \$0 \$0	Is this pro	Project Location Quality of Life s this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? Yes VNO Quality of Life Plan Related Public Safety Health Mandated Legal												
FY 14/15 Total					Method Used in Estimating CostCTDOT Preliminary Cost Estimating Guidelines and recent COS bridge projectsImage: Positive Revenue Impact Positive Operational Imp Other								Efficiency				
Term	20									C	apital Fored	ast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total			
Dept	0	0	0	0	0	0	0	2,000,000	6,500,000	0	0	4,000,000	C	12,500,000			
Planning	0	0	0	0	0	0	0	2,000,000	6,500,000	0	0	4,000,000	C	12,500,000			
Mayor	0	0	0	0	0	0	0	2,000,000	6,500,000	0	0	4,000,000	C	12,500,000			
BOF 0 0		0	0	0	0	C	2,000,000	6,500,000	0	0	4,000,000	C	12,500,000				
BOR	0	0	0	0	0	0	0	2,000,000	6,500,000	0	0	4,000,000	C	12,500,000			
Reason fo	or Project (i	f new)															

The current project balance is being used to fund the replacement of the West Main Street bridge. The outyear request will be used to fund the replacement of Riverbank Road Bridge and Cedar Height Road Bridge.

0220 Operations: Engineering - Engineering

 Balance: \$119,990.00 as of 6/30/2014
 Pri

 Dept
 Dept

Priority

Planning

14

14

CP1199 MERRIEBROOK BARN RENOVATIONS

147 Environmental remediation of barn for lead paint and asbestos. Reconstruction of septic system.

	Detail P	roject Cost			Project	Schedule			Contact Info	I	Justific	ation for Inc	clusion in Cap	ital Plan
Construc	evelopment tion Related	\$	\$0 100,000	Design Impleme	Sta 	rt E		Lou Casolo (203) 977-57 Lcasolo@Sta			Cont	Safety inues On-Go rages Other I structure	• •	
Miscellar Professio	nt Acquisitic neous Costs onal Services quisition		\$50,000 \$0 \$0 \$0	-	oject for con		econstruction the City and o		-	Yes 🗹 No	Plan Publi Man	ity of Life Related ic Safety Hea dated Legal		
	FY 14/15 Total \$150,000			Method L Estimatin	5112	ineering esti	mates						Impact nal Impact/Ef	fficiency
Term	20				1	- 1				(Capital Forec	ast	1	
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Dept	150,000	0	0	0	0	0	150,000	0	0	0	0	0	0	150,000
Planning	150,000	0	0	0	0	0	150,000	0	0	0	0	0	0	150,000
Mayor					0	0	150,000	0	0	0	0	0	0	150,000
BOF				0	0	0	150,000	0	0	0	0	0	0	150,000
BOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reason fo	or Project (i	f new)												

Requires as part of lease agreement.

0220	Operations: Engineering - Engineering	Balance: \$8,360.00 as of 6/30/2014	Priority	y
CP5208	ROXBURY ROAD DRAINS		Dept	12
			Planning	12

181 Funding will be used to reconstruct and re-align roadway from Westhill Road East to Westover Road. Adding drainage and adjust road width as needed. New drainage and reconstructed roadway for a total of 5,500 linear feet to eliminate dangerous swales and correct roadway elevations.

	Detail P	roject C	Cost			Project	Schedule			Contact Info		Justif	ication for Ind	clusion in Ca	oital Plan
-	Date evelopment tion Related		\$	300,000 \$0	Design Impleme		rt 7/1/2013 7/1/2014	End 6/30/2014 6/30/2017	Lou Casolo (203) 977-57 Icasolo@Star			Cor Lev	Safety Itinues On-Go erages Other astructure		
Miscellar Professio	Equipment Acquisition\$0Miscellaneous Costs\$0Professional Services\$0Land Acquisition\$0FY 14/15 Total\$300,000			\$0	-	oject for con	struction, r	econstruction	ill to Westove or remodelin open to the pu	g of	Yes 🗹 No	 ✓ Plat ✓ Put ✓ Ma 	ality of Life n Related Ilic Safety Hea ndated Legal		
FY 14/15	FY 14/15 Total \$300,000			300,000	Method L Estimatin	Jsed in Estir g Cost	nate based	upon unit pri	ces bid for sin	nilar projects			itive Revenue itive Operatio er	-	fficiency
Term	20						T			Γ	C	Capital Fore	cast		
	City Bond	WPCA	Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Dept	300,000		0	0	0	0	0	300,000	500,000	5,000,000	0	(0 0	0	5,800,000
Planning	0		0	0	0	0	0	C	800,000	5,000,000	0	(0 0	0	5,800,000
Mayor				0	0	0	0	C	800,000	5,000,000	0	(0 0	0	5,800,000
BOF				0	0	0	0	C	800,000	5,000,000	0	() 0	0	5,800,000
BOR	OR 0 0 0			0	0	0	0	C	800,000	5,000,000	0	(0 0	0	5,800,000
Reason fo	ason for Project (if new)														

This road has deteriorated to a point where normal overlay procedures will not sufficiently improve its condition and therefore are not cost effective solutions. A new drainage design is needed to improve and protect roadway pavement. Additionally the roadway needs to be realigned.

0220	Operations: Engineering - Engineering	No Balance	Priority	
NEW	MYANO LANE RECONSTRUCTION		Dept	15
			Planning	15

182 Funding will be used to re-construct roadway (approx. 500') at intersection of Catoona Lane, heading south. Drainage facilities and catch basins will be added as needed.

	Detail P	roject Cost			Project	Schedule		Contact Info			Justifi	Justification for Inclusion in Capital Plan					
Design D Construct Equipme Miscellar Professio Land Acc	Effective DateDesign Development\$0Construction Related\$0Equipment Acquisition\$0Miscellaneous Costs\$0Professional Services\$0Land Acquisition\$0FY 14/15 Total\$0			any build	ocation M oject for cons ing or facility Jsed in Estim	7/1/2015 yano Lane struction, re leased by	econstruction the City and c	Lou Casolo (203) 977-57 Icasolo@Star ain street to C or remodelin open to the pu ces from rece	nfordCT.gov Catoona Lane g of ublic?	Yes 🗹 No	Cont ∟ Leve ✓ Infra ✓ Qual □ Plan □ Publ □ Man □ Posit □ Posit						
Term											Capital Fored						
Term	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total			
Dept	, 0	0	0	0	0	0	. 0		0	0	0	0	0	200,000			
Planning	0	0	0	0	0	0	0	200,000	0	0	0	0	0	200,000			
Mayor					0	0	0	200,000	0	0	0	0	0	200,000			
BOF	OF 0 0			0	0	0	0	200,000	0	0	0	0	0	200,000			
BOR	OR 0 0				0	0	0	200,000	0	0	0	0	0	200,000			
Reason fo	ason for Project (if new)																

PAVING & DRAINAGE

C56169

0260 Operations: Administration - Maintenance Parks

Balance: \$0.00 as of 6/30/2014

Priority Dept 5 Planning 5

170 Upgrade renovations of paved surfaces and drainage systems in city parks and parking areas.

	Detail P	roject Cost			Project	Schedule			Contact Info		Justific	ation for Inc	lusion in Cap	oital Plan
-	Date evelopment tion Related		\$20,000 280,000	Design Impleme	Star	rt E		Kevin Murray (203) 977-460 kmurray@Sta	06	I	Cont	Safety inues On-Goi rages Other F structure	• •	
	nt Acquisitic neous Costs	on	\$0 \$0	Project Lo		itywide Park						ity of Life Related		
	Professional Services\$0Land Acquisition\$0			-	-		econstruction the City and o			Yes 🗆 No	🗌 Man	c Safety Hea dated Legal		
Land Acquisition \$0 FY 14/15 Total \$300,000			Method L Estimatin	i Ci	Engineering	Department						impact nal Impact/E	fficiency	
Term	10									C	apital Forec	ast		
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Dept	300,000	0	0	0	0	0	300,000	300,000	250,000	150,000	150,000	150,000	150,000	1,450,000
Planning				0	0	0	150,000	300,000	250,000	150,000	150,000	150,000	150,000	1,300,000
Mayor	150,000	0	0	0	0	0	150,000	300,000	250,000	150,000	150,000	150,000	150,000	1,300,000
BOF	150,000	0	0	0	0	0	150,000	300,000	250,000	150,000	150,000	150,000	150,000	1,300,000
BOR	OR 150,000 0 0		0	0	0	150,000	300,000	250,000	150,000	150,000	150,000	150,000	1,300,000	

Reason for Project (if new)

lifespan of paving

FY 14-15 request will be to upgrade the following Park properties;

1. Cumming Park(Hurricane Barrier) roadway

2. John Boccuzzi at Southfield park Driveway

3. 426 Shippan Parks department

4. Dorothy Heroy Park Complex Parking area

5. Fort Stamford Driveway/Parking area

6. Merribrook Parking lot

0260	Operations: Administration - Maintenance Parks
0200	operations. Administration - Maintenance ranks

NEW SCALZI PARK PHASE 4

No Balance Priority Dept 3 Planning 3

451 Request of Phase 4 for additional Parking spaces for Scalzi Park

	Detail P	roject Cost			Project	Schedule			Contact Info	I	Justifi	cation for Ind	lusion in Capi	ital Plan
Design D Construc Equipme Miscellar Professio	Effective DateDesign Development\$10,000Construction Related\$90,000Equipment Acquisition\$0Miscellaneous Costs\$0Professional Services\$0Land Acquisition\$0FY 14/15 Total\$100,000				oject for con	alzi Park			06 amfordCT.go g of	v Yes 🗆 No	Cont Leve Infra Qual VIN	Safety inues On-Go rages Other istructure lity of Life Related ic Safety Hea dated Legal	Funds	
FY 14/15	•				Jsed in g Cost						- 1031	-	impact nal Impact/Ef	ficiency
Term										C	apital Fored	cast		
	City Bond	WPCA Bon	d ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Dept	100,000		0 0	0	0	0	100,000	0	0	0	0	0	0	100,000
Planning					0	0	0	100,000	0	0	0	0	0	100,000
Mayor	Mayor 0 0		0 0	0	0	0	0	100,000	0	0	0	0	0	100,000
BOF	BOF 0 0		0 0	0	0	0	0	100,000	0	0	0	0	0	100,000
BOR	30R 0 0			0	0	0	0	100,000	0	0	0	0	0	100,000

Reason for Project (if new)

Renovation ehancement and additional amenties created greater demand than originally anticpated for parking

FY 14-15 request- 100 k design development and construction of additional parking in Scalzi Park

DISTRICT-WIDE PAVING & RESURFACING

0900 Board of Education - Capital

C5B623

Balance: \$7,576.07 as of 6/30/2014

Priority Dept 7 Planning 7

56 Priority parking lots: Roxbury (200K) - Dolan (250K) - Toquam (350K)- Springdale Sidewalk (100K).

	Detail Project Cost ctive Date				Project	Schedule			Contact Info	1	Justific	ation for Inc	lusion in Cap	oital Plan
Design D	Date evelopment tion Related		\$90,000 810,000	Design Impleme		t E 7/1/2014 7/1/2014	6/30/2015	Al Barbarotta (203) 977-452 abarbarotta@	25	.gov	Conti	Safety inues On-Goi rages Other F		
Miscellar	nt Acquisitic neous Costs anal Services		\$0 \$0 \$0	•	oject for cons		construction		-	Yes 🗹 No	✓ Quali ✓ Plan ✓ Publi	structure ity of Life Related c Safety Hea	lth	
Land Acq	Professional Services\$0Land Acquisition\$0FY 14/15 Total\$900,000				Jsed in Cont	-	the City and o	pen to the pu	ıblic? □	Yes ♥ No	Posit		Impact nal Impact/E	fficiency
Term										C	apital Forec	ast		
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Dept	900,000	0	0	0	0	0	900,000	250,000	250,000	250,000	250,000	250,000	250,000	2,400,000
Planning	450,000	0	0	0	0	0	450,000	450,000	450,000	450,000	450,000	350,000	250,000	2,850,000
Mayor					0	0	250,000	450,000	450,000	450,000	450,000	350,000	250,000	2,650,000
BOF					0	0	250,000	450,000	450,000	450,000	450,000	350,000	250,000	2,650,000
BOR	R 250,000 0				0	0	250,000	450,000	450,000	450,000	450,000	350,000	250,000	2,650,000
Reason fo	or Project (i	f new)												

On going resurfacing projects at all schools. In many areas subsurface drainage system requires improvements before final paving.

STF	Short Term Financing - Capital	Balance: \$665,310.32 as of 6/30/2014	Priority	
C65200	CITYWIDE VEHICLE REPLACEMENT & UPGRADE	I	Dept	1
			Planning	1

91 To replace vehicles including but not limited to: Garbage/recycling trucks, Vac trucks and related equipment for operations and Public Safety.

	Detail P	roject Cost	t			Pro	ject S	chedule			Contact Info	I		Justific	ation for Inc	lusion in Ca	pital Plan
Construc	evelopment tion Related				Design Implemei	ntation	Start	E		Mike Scacco (203) 977-552 mscacco@Sta		v		Conti Conti	afety nues On-Goi ages Other F structure	• •	
Miscellar Professio	Equipment Acquisition\$9,019,575Miscellaneous Costs\$0Professional Services\$0Land Acquisition\$0EV 14/15 Total\$9 019 575					-			construction the City and o		-	Yes 🗹 No		Plan Publi Mano	ty of Life Related c Safety Heal dated Legal		
	FY 14/15 Total \$0)19,575	Method L Estimatin					-				1	ive Revenue ive Operation r	-	Efficiency
Term	5					P						C	apita	l Forec	ast		
	City Bond	WPCA Bo	nd	ST Grant	Loan	Fed Gr	ant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 1	18/19	FY 19/20	FY 20/21	Total
Dept	9,019,575		0	0	0		0	0	9,019,575	3,000,000	3,000,000	3,000,000	3,00	00,000	3,000,000	3,000,000	27,019,575
Planning	3,369,500		0	0	0		0	0	3,369,500	3,000,000	3,000,000	3,000,000	3,00	00,000	3,000,000	3,000,000	21,369,500
Mayor					0		0 1	L,402,306	3,369,500	3,000,000	3,000,000	3,000,000	3,00	00,000	3,000,000	3,000,000	21,369,500
BOF	30F 1,967,194 0			0	0		0 1	L,402,306	3,369,500	3,000,000	3,000,000	3,000,000	3,00	00,000	3,000,000	3,000,000	21,369,500
BOR	BOR 1,967,194 0				0		0 1	1,402,306	3,369,500	3,000,000	3,000,000	3,000,000	3,00	00,000	3,000,000	3,000,000	21,369,500
Reason fo	eason for Project (if new)																

0033	Special Revenue - Water Pollution Control	Balance: \$1,797,253.27 as of 6/30/2014	Priority	1
CP5241	STORM WATER PUMP STATIONS		Dept	3
			Planning	3

86 To upgrade and perform major repairs to the three barrier pump stations that are operated and maintained by WPCA. Upgrade Dyke Lane Pumping Station.

Detail Project Cost				Project Schedule				Contact Info			Justification for Inclusion in Capital Plan				
Effective Date Design Development Construction Related Equipment Acquisition Miscellaneous Costs Professional Services Land Acquisition		on \$	\$0 \$0 700,000 \$0 \$0 \$0 \$0	Start En Design 7/1/2013 1			11/30/2013 7/30/2015 IURRICANE BA	or remodelin	96 @StamfordCT g of	ſ.gov Yes ☑ No	Cont Leve Infra Qual Plan Publi Man	 Life Safety Continues On-Going Project Leverages Other Funds Infrastructure Quality of Life Plan Related Public Safety Health Mandated Legal 			
FY 14/15 Total		\$	700,000	Method Used in Estimating Cost							 Positive Revenue Impact Positive Operational Impact/Efficiency Other 				
Term	20			Capital Forecast											
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total	
Dept	700,000	0	0	0	0	0	700,000	0	0	150,000	0	0	150,000	1,000,000	
Planning	350,000	0	0	0	0	0	350,000	350,000	0	150,000	0	0	150,000	1,000,000	
Mayor	350,000	0	0	0	0	0	350,000	350,000	0	150,000	0	0	150,000	1,000,000	
BOF	350,000	0	0	0	0	0	350,000	350,000	0	150,000	0	0	150,000	1,000,000	
BOR	350,000	0	0	0	0	0	350,000	350,000	0	150,000	0	0	150,000	1,000,000	

Reason for Project (if new)

WPCA MAINTAINS THE STAMFORD HURRICANE BARRIER AND THREE ASSOCIATED PUMP STATIONS. THE DYKE LANE PUMP STATION IS BEING EVALUATED AND GENERATORS WILL BE INSTALLED AT ALL STATIONS. DYKE LANE PUMPS REQUIRE SOFT STARTS TO REDUCE THE POWER CONSUMPTION AND THE HIGH VOLTAGE TRANSFORMERS HAVE TO BE RELOCATED OUTSIDE THE PUMP ROOM FOR SAFETY. THE OTHER STORM WATER PUMP STATIONS NAMELY CUMMINGS AND WAPANAU STATIONS NEED TO BE WIRED FOR EMERGENCY GENERATORS ESTIMATED AT \$150,000.

0033	Special Revenue - Water Pollution Control	Balance: \$447,651.28 as of 6/30/2014	Priority	
CP2047	PROJECT GIS		Dept	0
			Planning	0

98 Develop storm & sanitary sewer GIS data layers. Conversion of all data into geodatabase format for asset management. Project to be managed by GIS unit of Technology Management Services.

	Detail P	roject Cost		Project Schedule				Contact Info			Justifi	Justification for Inclusion in Capital Plan					
Effective Date Design Development Construction Related			\$0 \$0	Design Impleme	Star ntation	t 1/2/2012	End	Chakravarti, Prakash (203) 977-5896 pchakravarti@StamfordCT.gov			Cont	 □ Life Safety ✓ Continues On-Going Project □ Leverages Other Funds 					
Equipment Acquisition Miscellaneous Costs Professional Services Land Acquisition		\$0 \$0 \$0 \$0	Project Location Is this project for construction, reconstruction or remodeling of any building or facility leased by the City and open to the public? Yes No							 Quality of Life Plan Related Public Safety Health Mandated Legal Positive Revenue Impact 							
FY 14/15 Total			\$0	Method Used in Impact Estimating Cost Positive Operational Impact/Eff Other							fficiency						
Term	10			1	1	1			1	C	apital Fore	pital Forecast					
	City Bond	WPCA Bond	ST Grant	Loan	Fed Grant	Other	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total			
Dept	0	0	0	0	0	C	0	100,000	0	100,000	0	100,000	0	300,000			
Planning	0	0	0	0	0	0	0	100,000	0	100,000	0	100,000	0	300,000			
Mayor	0	0	0	0	0	0	0 0	100,000	0	100,000	0	100,000	0	300,000			
BOF	0	0	0	0	0	0	0	100,000	0	100,000	0	100,000	0	300,000			
BOR	0	0	0	0	0	0	0	100,000	0	100,000	0	100,000	0	300,000			
Reason for Project (if new)																	

GIS MAPPING OF THE SEWER SYSTEM IS IN PROGRESS.

2014-2015 OPERATING BUDGET

City of Stamford Operating and Special Revenue Funds Budget Fiscal Year 2014-2015



Photo Credit: P. Rao

2014 Street Seats

David Martin, Mayor

Table of Contents

Mayor's Transmittal Message	i
Budget Worksheet	. 1
Operating Revenue	.21

Office of Administration

1010	Director of Administration	31
1011	Office of Policy and Management	
1012	Grants Administration	
1020	Assessor	47
1021	Board of Assessment Appeals	50
1022	Revenue Services	53
1023	Taxation Services	57
1024	Tax Administration	62
1026	Property Revaluation	67
1032	Controller	71
1060	Technology Management Services	76

Office of Operations

2111	Traffic & Road Maintenance	85
2113	Leaf Collection	89
2114	Snow Removal	91
2116	Stormwater Management	95
2538	Special Events	98
2121	Vehicle Maintenance	101
2122	Gasoline	105
2137	Building Inspection	109
2141	Transfer Station	113
2142	Recycling	118
2143	Collection	122

2144	Haulaway	125
2510	Cashiering	127
2520	Citizen's Service Center	132
2200	Engineering	138
2210	Traffic Engineering	144
2300	Land Use Administration	149
2310	Planning	154
2320	Zoning.	158
2330	Zoning Board of Appeals	163
2340	Environmental Protection	
2350	Technology	
2133	Government Center	173
2135	Maintenance	
2136	Terry Conners Rink	183
2537	Kweskin Theatres	
2529	Special Needs Recreation	190
2530	Leisure Services Administration	
2531	Aquatics	196
2533	Subsidized Programs	199
2534	Fee-Supported Programs	201
2535	Self-Sustaining Programs	
2536	Beach Enforcement	
2600	Administration	

Office of Public Safety, Health & Welfare

3101	Pub Safety, Hlth & Welf-Adm	211
3300	Police Department Wide	219
3361	Police Department - Support Services	
3366	Police Department - Animal Control	228
3940	Police Department - Harbor Master	231
3350	Emergency Communications Center	235
3960	Stamford EMS	239
3410	The Big Five Volunteer Fire Depts	243

3510	Stamford Fire Department	248
3533	Stamford Fire Department Fire Training Center	255
3710	Smith House Nursing Facility - Administration	260
3720	Smith House Nursing Facility - Social Services	266
3730	Smith House Nursing Facility - Recreation	269
3740	Smith House Nursing Facility - Housekeeping	272
3750	Smith House Nursing Facility - Maintenance	275
3760	Smith House Nursing Facility - Laundry	278
3770	Smith House Nursing Facility - Food Services	281
3780	Smith House Nursing Facility - Nursing Services	284
3781	Smith House Nursing Facility - Physician Services	286
3791	Smith House Nursing Facility - Physical Therapy	287
3810	Director of Health	290
3811	Laboratory	294
3820	Public School Health Program	300
3821	Private & Parochial Health Program	
3822	Community Nursing	310
3830	Inspection Services	315
3880	Liberation Programs	319
3980	Shellfish Commission	320
3910	Social Services	323
3920	Welfare Division	327

Office of Legal Affairs

4010	Director of Law	330
4020	Human Resources Department	336
4022	Employee Benefits	341
8301	Employee Benefits	343
8401	Pensions	344

Unaffiliated Departments

1200	Economic Development	348
5010	Mayor's Office - Administration	353

5011	Professional Organizations and Activities	
5020	Board of Representatives	359
5030	Board of Finance	363
5040	Board of Ethics	366
5050	Town and City Clerk	368
5060	Probate Court	371
5070	Registrar of Voters	373
5091	Stamford Partnership	377
5092	Patriotic Observation Commission	379
5093	Stamford Cultural Develop. Corp	380
5094	Harbor Commission	381
6050	Community Centers	383
6055	Non City Social Services	384
6056	Non City Cultural & Environment	385

Operating Charges

3230	Other Special Revenue Funds	215
8080	Transfer to Debt Service Fund	387

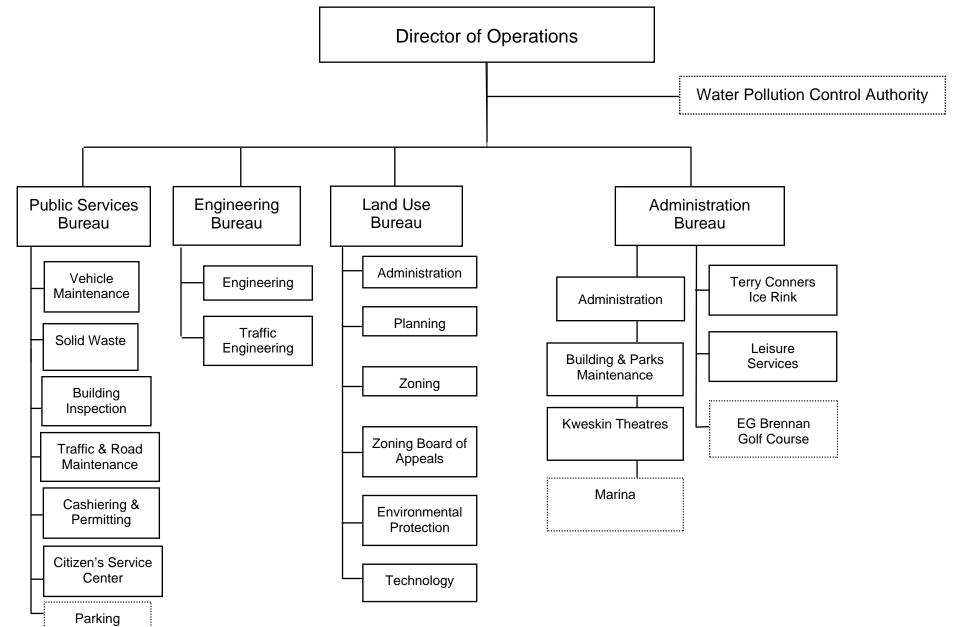
Board of Education

9000	Education	389
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Special Revenue Funds

	Mayor's Transmittal Letter	391
	Grant Funded Programs	397
2138	Marina Management	405
2139	Parking Management	415
3320	Police Extra Duty	421
2610	E. G. Brennan Golf Course	424
8311	Insurance Premiums	435
8321	Payments - Retained Losses	437
8331	Workers' Compensation	439
8381	Risk Manager	441

City of Stamford Office of Operations



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Fiscal Year 2014/2015 Activity Summary Report

Fund: 0001 General Fund

Bur/Offc: 201 Operations: Public Services

	FY 12/13 Actual	FY 13/14 Original Budget	FY 13/14 Revised Budget	FY 14/15 Department Request	FY 14/15 Mayor's Request	FY 14/15 Finance Board	FY 14/15 Board of Reps
Dept/Div: 0211 Traffic & Road Maintenance							
2111 Traffic & Road Maintenance	4,928,595	4,618,005	4,861,806	5,450,194	5,450,194	5,395,391	5,394,979
2113 Leaf Collection	105,879	250,097	307,627	253,989	253,989	252,675	252,675
2114 Storm Account	2,550,408	1,082,722	2,025,531	1,091,526	1,080,526	1,072,125	1,072,125
2116 Stormwater Management	0	335,446	348,779	1,148,105	1,009,105	954,041	954,437
2538 Special Events	129,525	193,798	184,545	193,798	193,798	191,707	191,707
Traffic & Road Maintenance Total	7,714,407	6,480,068	7,728,288	8,137,612	7,987,612	7,865,939	7,865,923
Dept/Div: 0212 Fleet Management							
2121 Vehicle Maintenance	1,192,419	1,305,277	1,337,280	1,522,098	1,425,997	1,404,346	1,403,334
2122 Gasoline	913,097	803,300	888,442	842,520	842,520	842,520	842,520
Fleet Management Total	2,105,516	2,108,577	2,225,722	2,364,618	2,268,517	2,246,866	2,245,854
Dept/Div: 0213 Facilities Management							
2137 Building Inspection	1,226,796	1,252,227	1,261,200	1,546,733	1,546,733	1,523,138	1,519,890
Facilities Management Total	1,226,796	1,252,227	1,261,200	1,546,733	1,546,733	1,523,138	1,519,890
Dept/Div: 0214 Solid Waste							
2141 Transfer Station	1,773,653	1,901,977	1,991,095	2,093,410	2,090,180	2,036,805	2,038,322
2142 Recycling	1,463,900	1,293,181	1,274,739	1,465,578	1,460,195	1,428,435	1,428,339
2143 Collection	4,020,490	3,999,603	4,092,716	4,647,363	4,621,598	4,577,393	4,577,162
2144 Haulaway	4,150,863	3,741,000	4,079,442	4,362,560	4,327,560	4,327,560	4,327,560
Solid Waste Total	11,408,906	10,935,761	11,437,992	12,568,911	12,499,533	12,370,193	12,371,383
Dept/Div: 0251 Cashiering							
2510 Cashiering	48,001	55,101	57,221	63,250	55,906	52,138	51,693
Cashiering Total	48,001	55,101	57,221	63,250	55,906	52,138	51,693

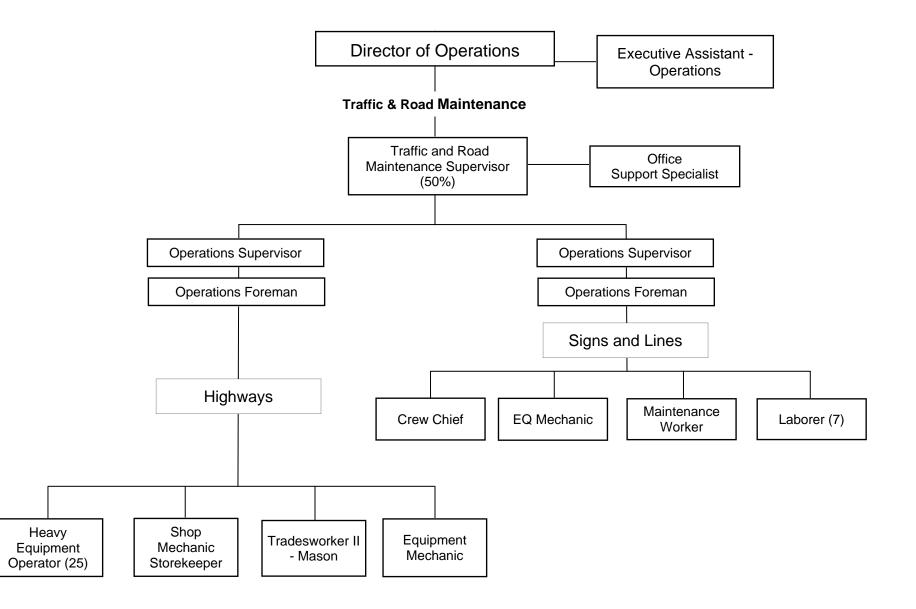
Fiscal Year 2014/2015 Activity Summary Report

Fund: 0001 General Fund

Bur/Offc: 201 Operations: Public Services

	FY 12/13 Actual	FY 13/14 Original Budget	FY 13/14 Revised Budget	FY 14/15 Department Request	FY 14/15 Mayor's Request	FY 14/15 Finance Board	FY 14/15 Board of Reps
Dept/Div: 0252 Citizen's Service Center							
2520 Citizen's Service Center	159,141	150,959	166,218	191,922	191,922	175,900	176,405
Citizen's Service Center Total	159,141	150,959	166,218	191,922	191,922	175,900	176,405
Operations: Public Services Total	\$22,662,767	\$20,982,693	\$22,876,640	\$24,873,046	\$24,550,223	\$24,234,174	\$24,231,148

City of Stamford Office of Operations Traffic & Road Maintenance



Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2111	Traffic & Road Maintenance

Department Responsibilities:

Maintain all City of Stamford rights-of-way in a reasonable, safe and passable condition at all times and to provide installation and maintenance of signs and pavement markings.

Program: Road Maintenance

The minor repairs and maintenance of all potholes, catch basins, sidewalks, curbs and guardrails within the rights of way of the City of Stamford. The removal of miscellaneous debris from the side of the roads.

Goal: Improve response time to repair/maintenance requests outside seasonal programs such as leaf pick-up and snow/ice removal.

• Objective: Respond to all major safety issues within 5 business days.

Results: The Department has been able to supply a 24 hour response to most major issues from the time of being reported.

• Objective: Respond to all basic repair/maintenance issues within 10 business days.

Results: 90% of service requests are responded to within 10 business days outside of the Leaf Pick-Up program and snow seasons.

Program: Traffic Maintenance

The repair/replacement/maintenance of all street signs and pavement markings along city streets and city parking areas.

Goal: Minimize downtime for any safety related traffic signage or pavement marking to maintain the safe travel of vehicles throughout the city.

• Objective: Repair/replace any safety related traffic signage/pavement markings within 2 business days of known issue. *Results:* 95% of all service requests are addressed within 5 business days. 95% of found sign issues are addressed within 2 business days.

Fiscal Year 2014/2015 Full Time Salary Comparison

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2111	Traffic & Road Maintenance

			Pos	Pos	FY 13/14 Budget	FY 14/15 Budget	Budget Salary	Budget Salary	
Union	Job ID	Job Title	13/14	14/15	Salary	Salary	\$ Increase	•	Comments
UE	C340	Heavy Equip Operator	28	25	1,433,600	1,318,808	-114,792	-8.01%	Replace 3 HEO's with 3 Laborers
UE	C479	Laborer 37.5	3	7	138,627	327,227	188,599	136.05%	Replace 3 HEO's with 3 Laborers
MAA	C951	Operations Supervisor 40	2	2	207,396	207,396	0	0.00%	
MAA	C971	Traffic & Road Mtc Supv	1	1	109,593	113,957	4,365	3.98%	Contractual Step Increase
MAA	C952	Operations Foreman 40	1	1	86,810	86,810	0	0.00%	
MAA	C577	Operations Foreman 37.5	1	1	76,792	79,991	3,200	4.17%	Contractual Step Increase
UE	C332	Equipment Mechanic 37.5	1	1	60,083	61,872	1,789	2.98%	Contractual Wage Increase
UE	C926	Shop Mechanic/Storekeeper	1	1	59,259	61,023	1,764	2.98%	Contractual Wage Increase
UE	C510	Tradesworker II - Mason	1	1	27,412	57,126	29,714	108.40%	Position Funded for Full Year
UAW	C816	Traf Mtce Work-EQ Mech	1	1	57,008	57,008	0	0.00%	
UAW	C174	Crew Chief (Traffic)	1	1	53,617	53,617	0	0.00%	
UAW	C558	Office Support Specialist	1	1	46,513	46,513	0	0.00%	
UAW	C507	Maintenance Worker	2	1	87,987	41,302	-46,685	-53.06%	1 Maintenance Worker replaced with 1 Laborer
	BA	BUDGET ADJUSTMENT	0	0	-50,000	-40,000	10,000	-20.00%	
	CBPM	CHARGEBACK to Parking Mgmt Fund	0	0	-54,796	-56,979	-2,182	3.98%	
		Total	44	44	\$2,339,900	\$2,415,672	\$75,772	3.24%	

Fiscal Year 2014/2015 Board of Representatives Operating Budget

Fund:0001General FundBur/Office:201Operations:Public ServicesDept/Div:0211Traffic & Road MaintenanceActivity:2111Traffic & Road Maintenance							
Reference # Account Title	FY 12/13 Actual	FY 13/14 Original Budget	FY 13/14 Revised Budget	FY 14/15 Department Request	FY 14/15 Mayor's Request	FY 14/15 Finance Board	FY 14/15 Board of Reps
01421111100 Salaries	2,141,236	2,339,900	2,275,076	2,455,672	2,455,672	2,415,672	2,415,672
01421111202 Permanent Part-time	37,689	38,559	39,559	38,559	38,559	38,559	38,559
01421111203 Seasonal	78,641	40,000	40,000	40,000	40,000	30,000	30,000
01421111301 Overtime	118,152	50,000	86,218	50,000	50,000	49,091	49,091
01421111503 Tool Allowance	860	500	500	500	500	500	500
01421111901 Differential	11,460	16,778	17,278	16,778	16,778	16,778	16,778
01421111902 Stand-By Time	5,056	4,588	4,588	4,588	4,588	4,588	4,588
01421112120 Active Medical & Life	801,760	775,621	775,621	801,104	801,104	801,104	801,104
01421112121 Retiree Medical & Life	351,806	315,679	315,679	280,422	280,422	280,422	280,422
01421112200 Social Security	181,956	190,510	190,510	199,366	199,366	195,472	198,601
01421112302 Classified Pension Fund	0	0	0	376,768	376,768	376,768	376,769
01421112406 OPEB Contribution	0	0	0	170,651	170,651	170,651	170,651
01421112500 Unemployment Compensation	0	14,534	14,534	2,360	2,360	2,360	2,360
01421113202 Conferences & Training	640	0	0	0	0	0	0
01421113601 Contracted Services	26,509	33,150	33,150	33,150	33,150	33,150	33,150
01421114400 Equipment Rental	7,201	2,256	2,256	2,256	2,256	2,256	2,256
01421115240 Payments to Insurance Fund	534,288	385,679	385,679	549,769	549,769	549,769	549,769
01421115301 Telephone	16,485	12,557	15,500	12,557	12,557	12,557	9,075
01421115405 Postage	215	930	0	930	930	930	870
01421115500 Copying & Printing	5,090	4,995	5,859	4,995	4,995	4,995	4,995
01421116100 Office Supplies & Expenses	11,070	10,911	10,911	10,911	10,911	10,911	10,911
01421116501 Supplies - Land	91,828	75,000	187,922	75,000	75,000	75,000	75,000
01421116503 Street Painting Supplies	22,511	25,000	25,000	25,000	25,000	25,000	25,000
01421116504 Street & Traffic Signs	25,000	25,000	25,000	25,000	25,000	25,000	25,000

Fiscal Year 2014/2015 Board of Representatives Operating Budget

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2113	Leaf Collection

Department Responsibilities:

To meet state requirements for reducing solid waste transported to landfills, maintaining reasonable and safe travel conditions along City of Stamford rights-of-way, and accommodating curb side residential leaf pick-up on an annual basis.

Program: Annual Leaf Pick-up

To pick-up all the fallen leaves from residential properties that were collected and left curb side by the residents.

Goal: To complete the leaf pick-up program in a timely manner, with no worker injuries or damage to property.

• Objective: Complete the leaf pick-up program within 15 business days (typical start date is the day after Veteran's Day in November), to allow for sufficient prep time before the first snow fall.

Results: The 2013-2014 Leaf Pick-Up program took an overall of 21 business days to complete. Delays were caused by bad weather such as freezing temperatures, heavy rains and snow which required plowing.

• Objective: To hold monthly safety meetings to review City and labor force safety issues.

Results: During the 2013-2014 Leaf Pick-Up program there were 2 minor accidents involving vehicles and 2 minor injuries reported.

Fiscal Year 2014/2015 Board of Representatives Operating Budget

Fund:0001General FundBur/Office:201Operations: Public ServicesDept/Div:0211Traffic & Road MaintenanceActivity:2113Leaf Collection	FY 12/13	FY 13/14 Original	FY 13/14 Revised	FY 14/15 Department	FY 14/15 Mayor's	FY 14/15 Finance	FY 14/15 Board of
Reference # Account Title	Actual	Budget	Budget	Request	Request	Board	Reps
01421131203 Seasonal	38,218	110,711	112,211	110,711	110,711	110,711	110,711
01421131301 Overtime	2,276	70,040	130,070	72,250	72,250	70,936	70,936
01421132200 Social Security	13,827	13,827	13,827	13,997	13,997	13,997	13,997
01421132500 Unemployment Compensation	28,988	26,307	26,307	11,738	11,738	11,738	11,738
01421135240 Payments to Insurance Fund	6,570	9,212	9,212	25,293	25,293	25,293	25,293
01421135400 Advertising/Official Notices	0	4,000	0	4,000	4,000	4,000	4,000
01421136501 Supplies - Land	8,000	8,000	8,000	8,000	8,000	8,000	8,000
01421136700 Small Tools & Replacement	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Leaf Collection Total	105,879	250,097	307,627	253,989	253,989	252,675	252,675

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2114	Snow Removal

Department Responsibilities:

To manage the resources, materials and manpower necessary to effectively combat and clean up the results of any and all snow fall, icy conditions, extreme winds and natural or man made disasters in order to maintain reasonable and safe access for all residents and visitors of the City of Stamford.

Program: Snow Removal Program

The mobilization of manpower and vehicles to remove all snow from the streets, sidewalks, and parking areas under the care of the City of Stamford which includes all the parks, areas around public facilities and 54 snow removal routes throughout the streets of the city.

- Goal: To be ready, before the first snow fall, to provide a quick response to any and all snow fall amounts to prevent the accumulation of snow on the streets, sidewalks and parking areas under the care of the City of Stamford, with no damage to property or worker injuries.
 - Objective: Have all snow removal equipment ready for use by mid December and/or before the first snow fall, directly after the leaf pick-up program.
 - **Results:** There have been 8 snow/ice events by the first week of January already for this 2013-2014 Winter Season. The equipment was ready and salt supplies were good.
 - Objective: Hold monthly safety committee meetings to review City and labor force safety issues.

Results: No injuries for the season as of Mid January. (1) incident involving an accident during a snow event reported thus far.

Program: Ice Prevention Program

The mobilization of manpower, vehicles and materials to effectively prevent dangerous icy conditions from forming on the streets, sidewalks and public spaces under the care of the City of Stamford.

Goal: To be prepared and informed enough to provide proactive actions that would prevent any dangerous icy conditions from forming.

- Objective: To make sure there is enough salt stored in the domes for the winter season. There are 3 domes with a capacity of 4,000 tons each which requires 12,000 tons of salt for full readiness.
 - **Results:** In the first month and a half of the 2013-2014 Winter Season 6660 tons of salt had been used. There is about 6000 tons left at the ready with 3 months of winter left to go.
- Objective: To prevent any incidents from occurring due to icy conditions.
 - **Results:** An arctic vortex created extreme icing conditions this season with temperatures in the single digits. The extended icing issues from each storm caused higher incident rates than previous years.

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2114	Snow Removal

Program: Emergency/Storm Response

The mobilization of manpower, materials and vehicles in response to any major disaster event to allow for safe passage of the emergency responders and residents.

Goal: To be prepared to respond and communicate efficiently during and after a major event in order to keep the roads free and clear from debris.

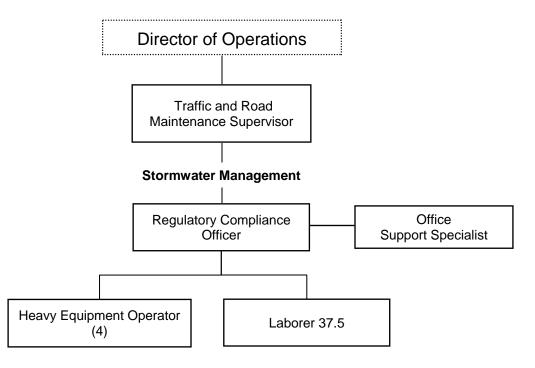
• Objective: To have all roads clear from debris enough to allow for safe passage within 24 hours of an event.

Results: Clean up after the snow stops falling typically takes 4 to 5 hours. Due to extreme cold temperatures and extraordinary icing conditions clean up time has expanded and maintaining ice free roads has in some storms taken days.

Fiscal Year 2014/2015 Board of Representatives Operating Budget

Fund:0001General FundBur/Office:201Operations: Public ServicesDept/Div:0211Traffic & Road MaintenanceActivity:2114Storm AccountReference #Account Title	FY 12/13 Actual	FY 13/14 Original Budget	FY 13/14 Revised Budget	FY 14/15 Department Request	FY 14/15 Mayor's Request	FY 14/15 Finance Board	FY 14/15 Board of Reps
01421141203 Seasonal	140,337	0	2,500	0	0	0	0
01421141301 Overtime	1,285,708	462,000	751,963	462,000	462,000	453,599	453,599
01421142200 Social Security	35,343	35,343	35,343	35,343	35,343	35,343	35,343
01421143601 Contracted Services	316,454	1,000	19,332	11,000	11,000	11,000	11,000
01421145240 Payments to Insurance Fund	157,064	19,879	19,879	24,471	24,471	24,471	24,471
01421146501 Supplies - Land	6,500	6,500	6,500	6,500	6,500	6,500	6,500
01421146505 Salt & Sand	590,000	540,000	1,157,021	534,212	523,212	523,212	523,212
01421146602 Plow Repair	5,600	4,000	4,000	4,000	4,000	4,000	4,000
01421146605 Equipment Maintenance	13,402	14,000	28,993	14,000	14,000	14,000	14,000
Storm Account Total	2,550,408	1,082,722	2,025,531	1,091,526	1,080,526	1,072,125	1,072,125

City of Stamford Office of Operations Stormwater Management



Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
Activity:	2116	Storm Water Management

Department Responsibilities:

To ensure that the City of Stamford is in compliance with all state and federal regulations regarding storm water permitting. Included in this cost center is a chargeback to the WPCA for operations and maintenance of the pump stations and hurricane barrier.

Program: MS4 Permit

Fulfilling all obligations described within the DEEP issued MS4 permit which regulates all the storm water discharges within the City such as storm water drainage system, rivers and lake outfalls and overall non-permeable surface drainage.

Goal: To quickly build a team that can effectively and efficiently comply with all the requirements outlined in the MS4 permit.

• Objective: To use GPS to map out and clean all 15,000 storm water catch basins in the City within the permitted time frame.

Results: New program - will report results next fiscal year.

• Objective: To use GPS to map out all the outfalls along the City's rivers and lakes.

Results: New program - will report results next fiscal year.

Program: Residential and Commercial Compliance

Ensuring that the residents and local businesses are in compliance with City, State and Federal regulations by using the latest storm water management techniques.

Goal: To educate the public about the need and benefits of proper Stormwater Management.

• Objective: To identify the sources of any outfalls that contain illicit discharges that can harm the water system.

Results: New program - will report results next fiscal year.

Goal: To educate the public so that they are aware of and can implement the latest storm water management techniques.

• Objective: To educate and prevent the public from dumping materials onto the roads that can end up in the storm water catch basins.

Results: New program - will report results next fiscal year.

Goal: To establish the proper ordinances to allow for proper enforcement of all the MS4 regulations.

• **Objective:** Establish funding for implementation.

Results: New objective – results will be reported in next fiscal year.

Fiscal Year 2014/2015 Full Time Salary Comparison

Fund:	0001	General Fund
Bur/Office:	201	Operations: Public Services
Dept/Div:	0211	Traffic & Road Maintenance
		~ ~ ~ ~

Activity: 2116 Stormwater Management

Union	Job ID	Job Title	Pos 13/14	Pos 14/15	FY 13/14 Budget Salary	FY 14/15 Budget Salary	Budget Salary \$ Increase	Budget Salary % Increase	Comments
UE	C340	Heavy Equip Operator	0	4	0	193,416	193,416	100.00%	Full Funding Previously Existing Position(s)
MAA	C961	Regulatory Compliance Officer	1	1	74,163	74,163	0	0.00%	
UE	C479	Laborer 37.5	0	1	0	45,417	45,417	100.00%	Full Funding Previously Existing Position(s)
UAW	C558	Office Support Specialist	0	1	0	42,192	42,192	100.00%	Full Funding Previously Existing Position(s)
	BA	BUDGET ADJUSTMENT	0	0	-74,163	-42,192	31,971	-43.11%	
		Total	1	7	\$0	\$312,996	\$312,996	89427428.57%	

Fiscal Year 2014/2015 Board of Representatives Operating Budget

Fund:0001General FundBur/Office:201Operations:Public ServicesDept/Div:0211Traffic & Road MaintenanceActivity:2116Stormwater Management		FY 13/14	FY 13/14	FY 14/15	FY 14/15	FY 14/15	FY 14/15
Reference # Account Title	FY 12/13 Actual	Original Budget	Revised Budget	Department Request	Mayor's Request	Finance Board	Board of Reps
01421161100 Salaries	0	0	13,333	355,188	355,188	312,996	312,996
01421161203 Seasonal	0	0	0	30,000	15,000	8,000	8,000
01421161301 Overtime	0	0	0	20,000	10,000	9,818	9,818
01421162200 Social Security	0	0	0	30,997	30,997	25,307	27,233
01421163601 Contracted Services	0	0	0	200,000	150,000	150,000	150,000
01421164400 Equipment Rental	0	0	0	5,000	5,000	5,000	5,000
01421165301 Telephone	0	0	0	5,400	5,400	5,400	3,902
01421165405 Postage	0	0	0	2,000	500	500	468
01421165500 Copying & Printing	0	0	0	5,000	2,500	2,500	2,500
01421166100 Office Supplies & Expenses	0	0	0	10,000	5,000	5,000	5,000
01421166501 Supplies - Land	0	0	0	4,000	4,000	4,000	4,000
01421166601 Vehicle Maintenance	0	0	0	100,000	50,000	50,000	50,000
01421166605 Equipment Maintenance	0	0	0	2,000	2,000	2,000	2,000
01421166610 Software Maintenance	0	0	0	10,000	5,000	5,000	5,000
01421166700 Small Tools & Replacement	0	0	0	4,000	4,000	4,000	4,000
01421166901 Protective Clothing	0	0	0	3,000	3,000	3,000	3,000
01421166902 Uniforms	0	0	0	7,000	7,000	7,000	7,000
01421168859 Chargeback From WPCA	0	335,446	335,446	350,520	350,520	350,520	350,520
01421168909 OSHA Safety Requirement	0	0	0	4,000	4,000	4,000	4,000
Stormwater Management Total	0	335,446	348,779	1,148,105	1,009,105	954,041	954,437

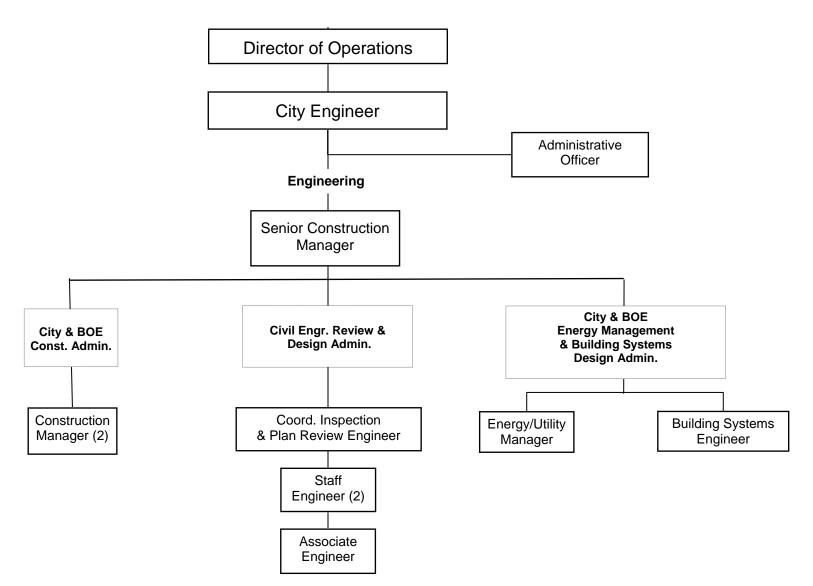
Fiscal Year 2014/2015 Activity Summary Report

Fund: 0001 General Fund

Bur/Offc: 202 Operations: Engineering

	FY 12/13 Actual	FY 13/14 Original Budget	FY 13/14 Revised Budget	FY 14/15 Department Request	FY 14/15 Mayor's Request	FY 14/15 Finance Board	FY 14/15 Board of Reps
Dept/Div: 0220 Engineering							
2200 Engineering	2,264,639	2,292,140	2,301,085	2,688,820	2,683,437	2,683,339	2,679,095
Engineering Total	2,264,639	2,292,140	2,301,085	2,688,820	2,683,437	2,683,339	2,679,095
Dept/Div: 0221 Traffic Engineering							
2210 Traffic Engineering	1,025,985	1,051,725	1,034,110	1,275,265	1,172,015	1,166,290	1,164,761
Traffic Engineering Total	1,025,985	1,051,725	1,034,110	1,275,265	1,172,015	1,166,290	1,164,761
Operations: Engineering Total	\$3,290,624	\$3,343,865	\$3,335,195	\$3,964,085	\$3,855,452	\$3,849,629	\$3,843,856

City of Stamford Office of Operations Engineering



Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

Department Responsibilities:

The mission of Engineering Department is to deliver the City's substantial volume of design and construction projects in an expeditious, costeffective manner while maintaining the highest degree of architectural, engineering, and construction quality.

The Engineering Department administers many capital improvement projects involving the City's infrastructure, including storm and sanitary sewers, school construction, roadways, sidewalks, bridges, parks, City building facilities, street lights, energy performance and mechanical systems. In addition to managing design and construction of Engineering Department projects, the Department has undertaken the management of many capital projects for other departments, including the Board of Education, Land Use, Police Department, Fire Department, Public Safety, Parks and Recreation Department, and Facilities Management.

The Department prepares and administers design of many public improvement projects "in house," with the majority of Board of Education and larger transportation projects utilizing professional consulting architects and engineers.

Furthermore, the Engineering Department supports internal customer relations (citizens services), permit issuance, public inquiries and maintains and updates all engineering records.

Program: Administrative

The mission of the Administrative program is to support all activities within the Engineering Bureau as well as support internal customer relations (citizens services), permit issuance, public inquiries and maintain and update all engineering records.

Goal: Respond to all inquiries in a timely manner.

• Objective: Respond to all public walk-in inquiries (i.e. research for plans and engineering records) within the same day.

Results: On the average, the Department receives 10 walk-in requests a day. 98% of citizens received services and results within the same day. Some complicated requests required more time or more manpower to perform research and investigatation, resulting in a delayed response.

• Objective: Issue the Street Opening and Street Use permits within 3 days of receipt of the application and necessary documents required.

Results: 100% of Street Use permits are issued within 3 days of receipt of the application.

Street Opening permit application requires more time to review. 75% of Street Opening permits were issued within 3 days of receipt of the application.

Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

Program: Construction Management

The mission of the Construction Management program is to provide supervision and construction inspection of all capital projects being performed throughout the City so that projects are built in an efficient, high quality manner that allows for assets throughout the City to retain their value and provide effective services to the City for many years.

Engineering Department is also responsible for 3 capital programs. These programs include Street Resurfacing/Paving Program, Citywide Sidewalk Program, and Citywide Drainage Catch Basin and Manhole Replacement Program.

Goal: Complete capital projects on time and on budget with minimum interruption to residents, business owners, or school administration.

- Objective: Complete capital projects on or before deadlines i.e. school opening dates, grant expiration dates, federal guidelines, and etc.
 - **Results:** All schools opened on schedule. Project designs underway to perform construction during summer. State grants for eligible school construction being obtained. All paving and sidewalk projects programmed during this period were completed as scheduled before winter shutdown.
- Objective: Manage capital project expenses to fall within funding availability by performing value engineering, keep track of inspection daily record to quantify the use of contractor's labors and materials, comply with State or Federal guidelines in order to obtain as much grant opportunity possible to fund capital projects.
 - **Results:** Inspection of capital projects continues. Major State Grant projects have been bid and completed within this period. Work closely with OPM and Finance to comply with bond funding obligations on Board of Education projects.

Program: Design and Review

The mission of the Design and Review program is to prepare plans and bid specifications, assist in obtaining permits, oversee A&E design, conduct periodic subdivision reviews, so that projects throughout the City are performed in an efficient, safe and logical manner at the least possible cost to the taxpayer.

Goal: Complete engineering plan review thoroughly and in timely manner.

• Objective: Issue engineering sign-off and/or engineering review comments within 30 days of receipt of the plan. *Results: 100% of plans were reviewed and responded to on time.*

Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

Program: Planning

The mission of the Planning program is to determine project needs and costs and provide professional engineering services to city departments, outside contractors and design professionals so that projects throughout the City are performed in an efficient, safe and logical manner at the least cost to the taxpayer.

Goal: Plan wisely to meet capital project needs, funding availability, and project schedule.

• Objective: Determine capital budget amounts appropriately, submit capital project budget request and any supplemental budget request on time.

Results: The Department prepared, determined and submitted 19 capital budget requests of \$16.25 million for FY14/15 on time.

Budget preparation is a combination of addressing Citizens Service's complaints, coordination with utility companies, and many meetings with other City Departments to assess capital needs.

• Objective: Coordinate with local, state and federal agencies to meet project requirements, and to obtain grant funding.

Results: In FY13/14, CT DOT awarded \$173,640.50 grants for the Rehabilitation of June Road Bridge over the Mianus River, and \$554,973.13 for the Cold Spring Road Bridge Rehabilitation Project.

Fund:	0001	General Fund
Bur/Office:	202	Operations: Engineering
Dept/Div:	0220	Engineering
Activity:	2200	Engineering

			Pos	Pos	FY 13/14 Budget	FY 14/15 Budget	Budget Salary	Budget Salary	
Union	Job ID	Job Title	13/14	14/15	Salary	Salary	\$ Increase	% Increase	Comments
UAW	C878	Construction Manager	2	2	206,852	207,202	350	0.17%	Longevity Increase
UAW	C731	Staff Engineer	1	2	90,537	173,428	82,892	91.56%	Full Funding Previously Existing Position(s)
MAA	C142	City Engineer	1	1	147,528	147,628	100	0.07%	Longevity Increase
MAA	C950	Sr. Construction Manager	1	1	123,501	123,501	0	0.00%	
MAA	C948	Energy/Utility Manager	1	1	109,441	109,441	0	0.00%	
MAA	C982	Coord Insp Plan Rev Eng	0	1	0	98,695	98,695	100.00%	
MAA	C866	Administrative Officer	1	1	96,607	96,957	350	0.36%	Longevity Increase
UAW	C877	Building Systems Engineer	1	1	83,794	89,466	5,672	6.77%	Inc to 40 hrs per week
UAW	C882	Associate Engineer	1	1	73,598	73,598	0	0.00%	
MAA	C170	Coord Inspect & Plan Review 35	1	0	91,181	0	-91,181	-100.00%	
		Total	10	11	\$1,023,039	\$1,119,917	\$96,877	9.47%	

Fiscal Year 2014/2015 Board of Representatives Operating Budget

Fund: 0001 General Fund							
Bur/Office: 202 Operations: Engineering							
Dept/Div: 0220 Engineering							
Activity: 2200 Engineering Reference # Account Title	FY 12/13 Actual	FY 13/14 Original Budget	FY 13/14 Revised Budget	FY 14/15 Department Request	FY 14/15 Mayor's Request	FY 14/15 Finance Board	FY 14/15 Board of Reps
01422001100 Salaries	910,511	1,023,039	1,029,131	1,119,917	1,119,917	1,119,917	1,119,917
01422001203 Seasonal	7,891	0	351	0	0	0	0
01422001301 Overtime	12,042	5,000	5,902	10,000	5,000	4,909	4,909
01422002120 Active Medical & Life	175,996	163,289	163,289	202,946	202,946	202,946	202,946
01422002121 Retiree Medical & Life	181,577	163,282	163,282	150,727	150,727	150,727	150,727
01422002200 Social Security	75,998	78,645	78,645	86,439	86,056	86,049	86,056
01422002302 Classified Pension Fund	0	0	0	201,861	201,861	201,861	201,861
01422002406 OPEB Contribution	0	0	0	79,633	79,633	79,633	79,633
01422002500 Unemployment Compensation	2,985	0	0	0	0	0	0
01422002600 Classified 401A Match	0	0	0	2,961	2,961	2,961	2,961
01422003623 Contracted Svcs/Street Light Maint.	27,000	27,000	27,000	27,000	27,000	27,000	27,000
01422004400 Equipment Rental	2,418	2,420	2,420	2,420	2,420	2,420	2,420
01422005240 Payments to Insurance Fund	2,694	9,035	9,035	18,181	18,181	18,181	18,181
01422005301 Telephone	15,595	14,930	13,930	14,930	14,930	14,930	10,789
01422005405 Postage	1,073	1,700	1,000	1,700	1,700	1,700	1,590
01422005500 Copying & Printing	659	750	750	750	750	750	750
01422006100 Office Supplies & Expenses	10,066	9,375	9,375	9,375	9,375	9,375	9,375
01422006204 Electric - Utility	827,345	778,600	778,600	739,670	739,670	739,670	739,670
01422006601 Vehicle Maintenance	3,631	6,000	9,300	12,000	12,000	12,000	12,000
01422006605 Equipment Maintenance	3,248	3,330	3,330	3,330	3,330	3,330	3,330
01422006610 Software Maintenance	1,000	1,860	1,860	1,950	1,950	1,950	1,950
01422008100 Dues & Fees	2,910	3,885	3,885	3,030	3,030	3,030	3,030
Engineering Total	2,264,639	2,292,140	2,301,085	2,688,820	2,683,437	2,683,339	2,679,095

APPENDIX L

JOB DESCRIPTIONS – NEW STAFF

REGULATORY COMPLIANCE & ADMINISTRATIVE OFFICER - OPERATIONS

GENERAL SUMMARY OF DUTIES

Under the general direction of the Director of Operations or designee, is responsible for ensuring City agency, resident and business compliance with environmental permits, procedures and mandated regulations. May issue notice of violations as needed to ensure compliance. Exercise supervision over employees and contractors as assigned. Assists in the long term planning and operations of the Office of Operations; does related work as required.

EXAMPLES OF WORK (Illustrative Only)

Implements and manages responsibilities under the City of Stamford MS4 Storm water permit, including but not limited to, establishing educational programs for, interacting with, and assisting City agencies, residents and businesses in permit compliance.

Conducts investigations & enforces MS4 Stormwater compliance throughout the City according to the City of Stamford ordinance.

Collects, reviews and monitors permit required data; compiles reports for compliance and works to resolve permit noncompliance.

Monitors and inspects compliance with State General permit for stormwater discharge associated with industrial activities.

Conducts investigations, recommends action to be taken and makes follow-up inspections.

Establishes and maintains a comprehensive computerized record keeping system required for the MS4 permit.

Assists in the development and submission of the annual MS4 stormwater State report; maintains archives of reports, forms and records.

Plans, organizes and supervises work assignments of subordinates. Evaluates and coordinates employees' job performance. Supervises and participates in personnel activities.

Prepares budget recommendations and participates in the budgetary process.

Represents the Office of Operations on assigned committees, projects and activites.

Responds to emergencies at facilities and City-Wide areas of jurisdiction.

REQUIRED KNOWLEDGE, SKILLS & ABILITIES

Thorough knowledge of the operations, procedures and methods used in a public service administration.

Ability to enforce compliance/regulations with firmness and tact.

Knowledge of stormwater collection systems.

Ability to plan, develop, coordinate, implement and conduct a variety of educational programs for audiences of diverse backgrounds.

Ability to prepare for and conduct evaluations, inspections and compliance actions relating to assigned areas of responsibility.

Ability to effectively and courteously interact with the public, government agencies and city departments.

MINIMUM TRAINING & EXPERIENCE REQUIRED

Graduation from an accredited college or university with a bachelor's degree in Public Administration. a natural, physical or biological science or an enforcement discipline and five (5) years experience in law or regulatory enforcement, compliance or project management, at least four (4) of which shall have been in a government setting OR an equivalent combination of education and experience.

SPECIAL REQUIREMENTS: At time of application, possession of a valid motor vehicle operator's license.

WORK ENVIRONMENT

(The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

Work is generally performed in an office environment, but requires travel to a variety of locations to perform field work in all weather conditions. Employee may be exposed to noise from basic office equipment operation.

Essential functions may require maintaining physical condition necessary for walking rough terrain and climbing inclines at work sites. May also be exposed to conditions and hazards associated with construction sites and potentially hazardous materials and equipment, fumes or vapors. Work may also be performed in enclosed spaces.

The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

341-11-T12-(E) Revised- 03/16/78 Revised- 07/09/82 Revised- 12/29/88 Revised- 01/26/89 Revised- 04/28/92 Revised- 04/28/97 Revised- 02/26/04

HEAVY EQUIPMENT OPERATOR

GENERAL SUMMARY OF DUTIES

Under the general direction of a supervisor in the Office of Operations, performs a full range of skilled and unskilled manual tasks in the maintenance construction and repair of City roadways; operates and maintains all small hand and power tools and complex heavy equipment; does related work as required.

EXAMPLES OF WORK (Illustrative Only)

Operates hand and power equipment and tools, including but not limited to, movers, drills, saws and jackhammers.

Operates dump trucks, snowplows, sanding equipment, sweepers, loaders, vac-alls, bulldozers, graders, bobcat, asphalt roller, forklift and other heavy equipment.

Repairs sewer lines; raises and lowers manhole/catch basin covers; loads and unloads materials and supplies.

Cleans sidewalks, streets, gutters and catch basins.

Cuts grass and weeds with hand or power mower.

Picks up and disposes of papers, debris, leaves and branches.

Shovels snow and does necessary sanding and salting.

Follows assigned route on a schedule.

Performs routine maintenance service (including greasing, fluid check, and repair of safety lights and plow blades) and assists mechanic in equipment overhauling operations.

Checks before operating and during the work period, oil level, tire pressure and general condition of vehicle; makes minor maintenance adjustments.

Directs the work of helpers assigned to a particular job.

Uses safety precautions in the operation of equipment and advises supervisor of unusual conditions which may require more specialized attention.

-2-

HEAVY EQUIPMENT OPERATOR 341-11-T12 (E)

REQUIRED KNOWLEDGE, SKILLS & ABILITIES

Knowledge of the basic practices of the road/highway maintenance and construction trade.

Skill in the operation and minor maintenance of heavy vehicular equipment.

Good knowledge of traffic and safety rules and regulations.

Ability to use and make minor repairs to small tools and simpler mechanical equipment.

Ability to understand and follow oral and written instructions.

Ability for strength and endurance despite adverse conditions.

Ability to guide the work of Equipment Operators.

MINIMUM TRAINING & EXPERIENCE REQUIRED

Possession of a valid Commercial Driver's License and successful completion of six (6) months as an Equipment Operator with the City of Stamford.

338-11-T10 Revised- 03/17/78 Revised- 05/16/80 Revised- 07/09/82 Revised- 01/16/89 Revised- 03/27/89 Revised- 04/28/92 Revised- 04/28/97 Revised- 02/26/04

EQUIPMENT OPERATOR

GENERAL SUMMARY OF DUTIES

Under the general supervision of a supervisor or foreman in the Office of Operations, performs skilled and unskilled manual labor tasks in the maintenance, construction and repair of City roadways; operates and maintains small hand and power tools and less complex heavy equipment; does related work as required.

EXAMPLES OF WORK (Illustrative Only)

Operates hand and power equipment and tools, including but not limited to, mowers, drills, saws and jackhammers.

Operates dump trucks, snowplows, and sanding equipment.

Loads and unloads materials and supplies.

Repairs sewer lines.

Raises and lowers manhole/catch basin covers.

Cuts grass and weeds with hand or power mower.

Picks up and disposes of papers, debris, leaves and branches.

Cleans sidewalks, streets, gutters, and catch basins.

Shovels snow and does necessary sanding and salting.

Follows assigned route on a schedule.

Trains on heavy equipment such as front loaders, backhoes, spreaders, sweepers and vactors.

Checks before operating and during the work period, oil and other lubrication levels, tire pressure and general condition of vehicle.

Assists Heavy Equipment Operators in more skilled operations.

-2-

EQUIPMENT OPERATOR 338-11-T10

EXAMPLES OF WORK (Illustrative Only) (cont'd.)

Assists mechanic in equipment overhauling operations.

Uses safety precautions in the operations of the equipment and advises supervisor of unusual conditions that may require more specialized attention.

REQUIRED KNOWLEDGE, SKILLS & ABILITIES

Some knowledge of the basic practices of the construction and maintenance trade.

Skill in the operation and minor routine maintenance of heavy vehicular equipment.

Ability to use and make minor repairs to small tools and simpler mechanical equipment.

Working knowledge of traffic and safety rules and regulations.

Ability to understand and follow oral and written instructions.

Ability for strength and endurance despite adverse conditions.

MINIMUM TRAINING & EXPERIENCE REQUIRED

Two (2) years of experience in Public Works activities or in the construction trade, one (1) which must have involved the operation of heavy equipment OR two (2) years experience operating heavy equipment in another work setting OR two (2) years of experience as a Laborer with the City of Stamford.

SPECIAL REQUIREMENTS

At the time of application, possession of a valid Commercial Driver's License. Prior to original appointment, must pass comprehensive medical examination.

SPECIAL NOTE:

This is an entry/training level position. Upon successful completion of six (6) months of employment, promotion without examination will be made to the full working classification of Heavy Equipment Operator.

478-11-T10L Revised- 01/05/78 Revised- 11/30/79 Revised- 07/01/88 Revised- 07/01/89 Revised- 08/05/02 Revised- 08/28/08

LABORER

GENERAL SUMMARY OF DUTIES

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Under the general supervision of higher official, performs routine manual work of ordinary difficulty and responsibility in doing both heavy and light physical labor tasks and assisting in semi-skilled tasks; does related work as required.

EXAMPLES OF WORK (Illustrative Only)

Loads and unloads materials and supplies.

Cleans sidewalk, streets, gutters, and catch basins.

Cuts grass and disposes of leaves, papers, branches.

Carries cans and/or recycling bins of ashes, garbage, refuse and similar waste from houses and other buildings to street for collection.

Empties refuse and/or recycling into truck and returns cans/bins to proper location.

May substitute temporarily for Collection Driver.

Shovels snow and does necessary sanding and salting.

Performs incidental security work and minor maintenance and custodial work.

Works with maintenance employees as unskilled helper.

Occasionally may operate light and non-complex equipment in work.

In the Traffic Maintenance and Parking Division, installs pavement marking, traffic signage and performs related duties as required.

LABORER

T10L

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REQUIRED KNOWLEDGE, SKILLS & ABILITIES

Ability to use hand tools and some motorized equipment.

Ability to carry out oral and simple written instructions.

Ability for strength and endurance despite adverse conditions.

Ability to work under unpleasant working conditions to include extreme weather conditions.

Ability to perform physical labor that involves repetitive (average of 500 times daily) bending, pulling, pushing, lifting and carrying of up to 75 pounds.

PHYSICAL DEMANDS AND WORK ENVIRONMENT

(The physical demands and work environment characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. The list is not all-inclusive and may be supplemented as necessary. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.) (n)

- <u>This is heavy work requiring the exertion of 75 pounds of force occasionally, up to 50 pounds</u> of force frequently and up to 25 pounds of force constantly to move cans and bins. (n)
- Work requires lifting, pulling, pushing, carrying, walking, standing, reaching, climbing, stooping, kneeling, crouching, and crawling. (n)
- Work requires the employee regularly working near moving motor vehicles and/or mechanical parts. (n)
- <u>The employee is frequently works in inclement weather with exposure to the elements, including heat, rain, wind, snow or cold. (n)</u>
- The employee frequently is exposed to garbage, debris, fumes, airborne particles, toxic or caustic chemicals. (n)
- The employee must be able to work flexible shifts and/or weekends. (n)

MINIMUM_TRAINING & EXPERIENCE REQUIRED

There are no requirements for this position other than good physical health and stamina as is necessary to successfully perform the duties of this classification.