CITY OF MIDDLETOWN
PURCHASING OFFICE, ROOM 112
245 DEKOVEN DRIVE
MIDDLETOWN, CT. 06457
(860) 638-4895 phone
purchase@middletownct.gov

CONTRACT DOCUMENTS

BID #2016-031

WATER QUALITY TESTING SERVICES

PUBLIC WORKS DEPARTMENT AND WATER & SEWER DEPARTMENT
City of Middletown, Connecticut

BIDS DUE ON: Monday, December 19, 2016 at 11:00 am_

DONNA L. IMME, CPPB
SUPERVISOR OF PURCHASES

CARL R. ERLACHER
DIRECTOR OF FINANCE AND REVENUE SERVICES

The contract documents for the contract entitled:

BID #2016-031 WATER QUALITY TESTING SERVICES-- PUBLIC WORKS AND WATER AND SEWER DEPARTMENT

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Hereinafter referred to as the **Contract Documents**

CITY OF MIDDLETOWN
INVITATION TO BID

Sealed proposals, addressed to the Supervisor of Purchases, City of Middletown, Room 112, Municipal Building, Middletown, Connecticut, will be received until **Monday, December 19, 2016 at 11:00 am** for the following:

BID #2016-031
WATER QUALITY TESTING SERVICES
PUBLIC WORKS DEPARTMENT AND WATER & SEWER DEPARTMENT

Bid documents may be obtained at the Purchasing Office, Room 112, Municipal Building, 245 DeKoven Drive, Middletown, CT., Monday - Friday, between the hours of 8:30 a.m. and 4:30 p.m. **for a fee of $.50 per page.** It is **preferred** that they are downloaded **free of charge on the City of Middletown web site: www.MiddletownCT.gov.**

All questions concerning this bid should be directed in writing to the office of the Supervisor of Purchases by facsimile at (860) 638-1995 or by email at purchase@MiddletownCT.gov.

Bids will be publicly opened and read aloud in **Room B-19**, Municipal Building, Middletown, Connecticut. **All bids shall be submitted on the designated forms and marked as noted in the Information for Bidders**.

The City of Middletown reserves the right to waive any defect or any irregularity in any bid and reserves the right to reject any or all bids or any part thereof. Bids, amendments to bids or withdrawals of bids received after the time set for the bid opening will not be considered. All bids and proposals are subject to, and must comply with the equal opportunity and non-discriminatory provisions set forth in the Affirmative Action Plan of the City of Middletown.

Dated: **11/23/2016**
Middletown, Connecticut

Donna L. Imme

Donna L. Imme, CPPB
Supervisor of Purchases

INFORMATION FOR BIDDERS

1. Date and Place for Opening Proposals - Pursuant to the "Invitation to Bidders", sealed proposals for performing the work will be received by the Purchasing Office, Room 112, at the time and place set forth therein with the award to be made as soon as practicable, thereafter.

All bids received by the time set for receipt will be opened by the Supervisor of Purchases and read publicly at the exact time set for receipt irrespective of any irregularities therein. Bidders and or their representative and any interested public may be present.

2. Printed Form for Proposals - All proposals must be made upon the blank proposal form as attached hereto; should give prices both in words and figures; must be signed and acknowledged by the bidder where indicated on the proposal form; submitted in a sealed envelope using the Bid Return Label provided.

3. Omissions and Discrepancies - Should a bidder find discrepancies or omissions from the Contract Documents or should he doubt their meaning, they should immediately notify the Supervisor of Purchases who may send written instructions to all bidders.

4. Acceptance or Rejection of Proposals - The City reserves the right to accept or reject any or all proposals. Without limiting the generality of the foregoing, any proposal which omits a bid on any one or more items on the price sheet may be rejected; any proposal in which unit prices are omitted or in which unit prices are obviously unbalanced may be rejected.

5. Acceptance of Proposals and the Effect - Within thirty (30) calendar days after the opening of the bids, the City will act upon them. The acceptance of a proposal will be either a notice of award, in writing, or an acceptance letter from the Supervisor of Purchases, and no other act shall constitute the acceptance of a proposal.

The acceptance of a proposal shall bind the successful bidder to execute the contract within the time and manner as set forth within these contract documents making him responsible and liable for failure to execute as prescribed.

6. Time for Executing Contract and Damages for Failure to Execute - Any bidder whose proposal shall be accepted will be required to appear at the office, where directed to appear in notice of award, in person, or a duly authorized representative of a firm or corporation, to execute the contract within ten (10) days, including Saturdays and Sundays, of the date of mailing of a notice, stating that the award has been made to him or his firm. Failure or neglect to do so shall constitute a breach of contract for which the City may cancel the notice of award, award the bid to someone else, or rebid the entire project as well as sue for damages.

Damages for such a breach of contract will include but not be limited to the loss of any awarding of work to him and other items whose accurate amount will be difficult or impossible to compute, and all other damages recoverable at law and in equity.

7. Determination of Lowest Responsible Bidder/Award - Except where the Owner exercises the right herein to reject any or all proposals, the contract will be awarded by the owner to the "Lowest Responsible Bidder", as determined under the factors to be considered under section 78-8(m), as amended, of the Middletown Code of Ordinances.

It is the intent of the City to award one (1) contract in the aggregate to the lowest responsible bidder submitting the lowest total cost to provide the services specified complying with these specifications and provided sufficient funds are available to award the contract. **However, the City reserves the right to award in whichever way will be in the best interest of the City.**

Additionally, in determining whether a bidder

qualifies as the lowest responsible bidder, the City shall also review other subjective factors, such as the bidder's skill, ability and integrity to perform the work as specified, the bidders professional references (if required), the bidders reputation, information discovered during the interview process (if applicable) and whether the City in its sole discretion determines that awarding the bid to the bidder will be in the best interests of the City. The City shall award the contract to the lowest responsible bidder using the guidelines set forth herein, or shall reject all bids.

8. Partial Bids - All bidders shall be required to submit a bid on each item listed. **Partial bids per category shall not be accepted and the bidder will be deemed non responsive.**

9. Term of Contract - The term of this contract shall be for a period of twenty-four (24) months effective on or after **January 1, 2017 and terminating December 31, 2018.**

10. Prices - In the event of discrepancy between the prices quoted in the proposal in words and those in figures, the words shall control. The prices are to include furnishing all water quality testing as specified, inclusive of material, equipment and labor costs necessary to comply with the City's requirements.

11. Interpretations and Addenda - No oral interpretations shall be made to any bidder as to the meaning of any of the Contract Documents or to be effective to modify any of the provisions of the Contract Documents.

Every request for an interpretation shall be made in **writing**, addressed and forwarded to the **Supervisor of Purchases, Municipal Building, 245 DeKoven Drive, Middletown, Connecticut, 06457. Questions may be sent via facsimile to (860) 638-1995 or emailed at purchase@middletownct.gov**

To receive consideration, such questions shall be submitted in writing. **Deadline for submission of questions is 12:00 PM, Thursday, December 8, 2016 (EST).** If the question involves the equality or use of products or methods, it must be accompanied by drawings, specifications or other data in sufficient detail to enable the Supervisor of Purchases to determine the equality or suitability of the product or method. In general, the Supervisor of Purchases will neither approve nor disapprove particular products prior to the opening of the bids; such products will be considered when offered by the bidder for incorporation into the work.

The Purchasing Supervisor will arrange as Addenda, which shall become a part of the contract, all questions received as above provided and the decision regarding each. The Purchasing Supervisor will post said addenda to the City website at **www.middletownct.gov.** Non-receipt of said Addenda shall not excuse compliance with said addenda. It is the bidder's responsibility to determine whether any addenda have been issued and if so whether he/she has received a copy of each. Nothing in this section shall prohibit the Purchasing Supervisor from posting Addenda to extend the deadline for the receipt of bids at any time and for any reason.

It is the responsibility of each bidder to visit our website at www.middletownct.gov to view additional information and/or acknowledge any addenda's issued prior to submitting a bid.

No alleged "verbal interpretation" shall be held valid. Any addenda issued during the bidding period shall supersede previous information.

12. Termination of Agreement - If Vendor fails to fulfill its obligations under this Agreement, violates any of the covenants, agreements, or stipulations of this Agreement, or if the City deems that the Vendor's conduct could have a negative effect on the reputation of the City, the City shall have the right, in its sole discretion, to terminate this Agreement immediately. The City also shall have the right, in its sole discretion, to terminate this contract without cause by giving thirty (30) days written notice to Vendor of such termination specifying the date of such termination. Upon

termination of the Agreement, the City shall have no obligation to pay Vendor for services not performed or goods not received.

13. Insurance - The selected bidder shall be required to provide a Certificate of Insurance as specified in the attachment "Insurance Requirements". The bidder shall be required to provide evidence of such insurance coverage to the Supervisor of Purchases within ten (10) days from receipt of the Notice of Award. Evidence of such insurance coverage and City approval shall be required prior to the execution of the contract document.

14. Time for Performance - Project Schedule -

A. The bidder must be available to provide water quality testing immediately after receipt of the an approved purchase order which shall serve as the Notice to Proceed and shall agree to fully complete the services in accordance with the following schedule.

Water Testing - Public Works Department: Test results shall be returned to the Public Works Department **within thirty (30) calendar days** from collection except where noted otherwise.

Water Testing – Water & Sewer Department Test results shall be returned to the Water & Sewer Department **within thirty (30) calendar days** from collection except where noted otherwise.

B. Failure to provide such required laboratory testing service as above specified shall constitute default and breach of contract and the Owner may then authorize procurement of such equipment/material from the most expeditious alternate source available to them.

C. All excess expenses charged for alternate procurement of defaulted service under this contract shall be deducted from monies due the successful bidder on this contract. If no monies are due, then the bidder shall pay to the Owner the difference between the contract price and what the Owner must pay to obtain the item from said alternate source.

15. Indemnification - The successful bidder agrees to indemnify and hold harmless the Owner, its officers, agents, servants and employees against any and all liability, judgments, cost, expenses and other loss, including attorney's fees, and against all claims or actions including but not limited to those based upon or arising out of damage or injury (including death) to persons or property caused by or sustained in connection with any act or omission of the Successful Bidder, its officers, agents, servants and employees in the performance or lack of performance of the services under this contract.

16. Quantities - The quantities specified herein are approximate only as determined by the requesting departments and are **not guaranteed**. They are included to provide the bidder with an estimate of the City's requirements pursuant to this contract and to provide a uniform basis for the comparison of bids.

The City of Middletown shall reserve the right to increase or decrease actual quantities or may delete items required at the time the contract is awarded or at any time thereafter without prejudice toward the quoted bid price if to do so is in the City's best interest.

17. Excise and Sales Tax - Purchases made by the City of Middletown are exempt from the payment of Federal Excise and Connecticut Sales taxes. Such taxes must not be included in the bid prices. Exemption certificates will be provided at the bidder's request.

18. Firm Pricing - The City of Middletown requires that all bidders provide firm pricing for all those items they are bidding in accordance with the contract term specified herein.

19. Condition Necessary to Complete Contract to Satisfaction of the City of Middletown - The City

shall designate the time, place and amounts of work to be done so as to meet all stipulations as set forth in the Contract Documents. Any contractual agreement made herein between the bidder and the City shall not restrict the City from utilizing other sources of materials and services. If the City chooses to utilize other sources of materials and/or services, this shall not act to negate or void the contract; nor shall employment of such materials or services be used as a basis for the successful bidder to abandon his responsibilities or to claim damages as set forth within the Contract Documents.

20. Substitutions - Substitutions of any item specified shall not be acceptable to the City of Middletown without prior written authorization.

21. Conditional / Qualified Bids - A conditional or qualified bid will not be accepted.

22. Corrections to Bids - Corrections, erasures or other changes to the bid proposal must be noted over the signature of the bidder.

23. OSHA Reporting Requirements - The selected bidder shall be required to comply with the City of Middletown Department of Health requirements with respect to employees and contractor training, notification and documentation requirements for the handling, packaging and delivery of any chemicals and other hazardous materials to be furnished pursuant to this contract. The requirements of which are incorporated in these specifications by attachment.

24. Delivery and Payment Terms - All materials and services to be furnished pursuant to this contract shall be delivered Free on Board hereinafter referred to as FOB, City of Middletown freight prepaid to that location specified on the purchase order.

Payment discounts for early payment are preferred. All others shall be net 30 days unless specified otherwise. The bidder shall submit an itemized invoice to the Department Directors on a monthly basis. The Department Director shall then approve same and forward to the Department of Finance for payment. Payment shall then be made to the bidder no sooner than ten (10) consecutive calendar days from the date the invoice has been received by the Department of Finance as approved by the Department Director.

25. Alternate Testing Requirements - The City of Middletown may require additional testing services over the term of this contract that have not been specifically itemized on the Proposal Form.

The bidder shall submit, attached to his bid proposal, their current published price list. In the event these additional testing services are required, compensation for this testing shall be made at the bidder's published schedule of fees less the percentage discount quoted on the bid proposal page.

The percentage discount shall be that percentage which will be afforded to the City for unanticipated testing requirements which shall be a fixed percentage discount for the duration of the contract.

The City shall reserve the right to request that the bidder provide updated price lists reflecting price increments and or decrements as required to audit the fees charged. The City further requires that the bidder provide the minimum of thirty (30) days advance written notice of any price increase or decrease.

26. Licensing Requirements - Laboratories responding to this bid must be licensed and approved by the State of Connecticut Department of Health Services, and shall provide their current license number in the space provided on the bid proposal page as well as an attached copy to the bid proposal.

27. Facsimile Bids - Facsimile bids will not be accepted by the City under any circumstance.

28. Subcontract - The bidder awarded this contract shall **not subcontract this contract in**

whole or part without prior written authorization from the City of Middletown.

29. Assignment of Antitrust Claims - The contractor or subcontractor offers and agrees to assign to the City of Middletown all right, title and interest in and to all causes of action it may have under Section 4 of the Clayton Act, 15 U.S.C. § 15, as amended, or under Chapter 624 of the General Statutes of Connecticut, as amended, arising out of the purchase of services, property, commodities or intangibles of any kind pursuant to a purchase contract or subcontract made by the City of Middletown. This assignment shall be made and become effective at the time the City of Middletown awards or accepts such contract, without further acknowledgment by the parties. (5-14-93)

30. Americans With Disabilities Act - The contractor / service provider, in performing this agreement, will at all times, comply with the provisions of Title II, the nondiscrimination and access requirements, of the Americans with Disabilities Act.

31. Site Visits - The City of Middletown strongly recommends site visits for the vendors to familiarize themselves with the conditions and locations of the wells, more specifically the access to the wells for water testing. Please contact with the appropriate personnel to coordinate site visit with the following:

Public Work Sites
Thomas Nigosanti
Public Works Engineering
860-638-4850

Water & Sewer Site
Alton I Sanders
Superintendent of WPCF
860-638-3500

PURCHASING DEPARTMENT
CITY OF MIDDLETOWN
BID ATTACHMENT

CHAPTER 78

SECTION 78-8-M BID PREFERENCE FOR LOCAL VENDORS.

1. Definitions: as used in this section, the following terms shall have the meanings indicated:

CITY-BASED BUSINESS- A business with a principal place of business located within the City of Middletown. A business shall not be considered a City-based business unless evidence satisfactory to the purchasing Supervisor has been submitted with each bid submitted by said business to establish that said business has a bona fide principal place of business in Middletown. Such evidence may include evidence of ownership of or a long-term lease of the real estate from which the principal place of business is operated, or payment of property taxes on the personal property of the business to be used in performance of the bid.

PROJECT- All bids, and all quotes solicited for purchases exempted from bidding pursuant to § 78-8, as amended, except requests for proposal and contracts for professional services pursuant to § 78-10, as amended.

2. On any project the lowest responsible bidder shall be determined in the following order:

   a. City-based bidders.

      (1) On projects the cost of which are one million dollars total contract price or less, any City-based bidder which has submitted a bid not more than 10% higher than the low bid, provided such City-based bidder agrees to accept the award of the bid at the amount of the low bid. If more than one City-based bidder has submitted bids not more than 10% higher than the low bid and has agreed to accept the award of the bid at the amount of the low bid, the lowest responsible bidder shall be that one of such City-based bidders which submitted the lowest bid.

      (2) On projects the cost of which are over $1,000,000 but less than $ 5,000,000 total contract price, any City-based bidder which has submitted a bid not more than 5% higher than the low bid, provided such City-based bidder agrees to accept the award of the bid at the amount of the low bid. If more than one City-based bidder has submitted bids not more than 5% higher than the low bid and has agreed to accept the award of the bid at the amount, of the low bid, the lowest responsible bidder shall be that one of such City-based bidders which submitted the lowest bid.

      (3) On projects the cost of which are over $5,000,000 total contract price, and City-based bidder which has submitted a bid not more than 3% higher than the low bid, provided such City-based bidder agrees to accept the award of the bid at the amount of the low bid. If more than one City-based bidder has submitted bids not more than 3% higher than the low bid and has agreed to accept the award of the bid at the amount of the low bid, the lowest responsible bidder shall be that one of such City-based bidders which submitted the lowest bid.

   b. The low bidder.

(2/8/78, 12/2/02)

CHAPTER 26, CONTRACTS

ARTICLE I--EQUAL OPPORTUNITY IN EMPLOYMENT.

26-1 Contract Provisions Required

Every contract made by or on behalf of the City of Middletown for the construction, lease, alteration or repair of any public building or public work, or for the purchase, manufacture, sale or distribution of materials, equipment or supplies shall contain provisions providing for equal opportunity in employment.

26-2 Enforcement Officer

The Director of Equal Opportunity and Diversity Management, who is the City's Affirmative Action Officer, shall have the authority to enforce this ordinance.

26-3 Provisions to be Included

A. Every contract for the construction, alteration or repair of any public building or public work shall contain the following provisions approved by the Office of Equal Opportunity and Diversity Management Director:

   The contractor agrees and warrants that in the performance of this contract he or she will not discriminate or permit discrimination against any person or group of persons on the grounds of age, ancestry, color, genetic information, learning disability, marital status, past or present history of mental disability, intellectual disability, national origin, physical disability, including, but not limited to blindness, race, religious creed, sex, including pregnancy, transgender status, gender identity or expression, sexual orientation, workplace hazards to reproduction systems, political belief, military or veteran status, or criminal record in accordance with §46a-60(a)(1), 46a-80(b), or 46a-81(b) of the Connecticut General Statutes. Unless provisions are controlling or there is a bona fide occupational qualification excluding persons in one of the above protected groups, in any manner is prohibited by the laws of the United States or of the State of Connecticut and the City of Middletown. In addition, the Connecticut Fair Employment Practices Act, Connecticut General Statutes §46a-51 et seq., (CFEPA), not only prohibits discrimination based on actual physical disability, but also applies to discrimination based on perceived physical disability. The contractor also agrees to provide the Affirmative Action Officer of the City of Middletown with such information that may be requested concerning the employment practices and procedures of the contractor as related to the provisions of this section.

B. The aforesaid provision shall include, but not be limited to, the following: advertising, recruitment, layoff, termination, rates of pay or other forms of compensation, conditions or privileges of employment selection for apprenticeship, selection or retention of subcontractors, or in the procurement of materials, equipment or services.

26.4 Notices to be posted on project site.

The contractor shall hereinafter post on the project site, in conspicuous places available for employees and applicants for employment, notices setting forth its non-discrimination requirements.

26.5 Subcontractors and Suppliers

In all pre-contractual contracts between contractor and any subcontractor or supplier either for work to be performed under a subcontract of for the procurement of materials, equipment or services, each subcontractor or supplier shall be notified in writing by the contractor of the contractor's obligations under this contract relative to non-discrimination and each subcontractor or supplier, by his contracting agent, shall agree to and be bound by the terms of this Contract.

26.6 Effect on other laws

Nothing contained herein is intended to relieve any contractor from compliance with all applicable federal, state and municipal legislation or provision concerning equal employment opportunity, affirmative action, non-discrimination and related subjects during the term of its contract on this project.
(**4/7/80; 3/8/93, 11/1/02, 2/3/03, 6/3/13, 2/4/16)**

ARTICLE III ADEQUATE DELIVERY OF SERVICE

26-11 Provisions to be incorporated

All service contracts entered into for the benefit of the citizens of Middletown between the City of Middletown and contractors shall incorporate the following provisions:

A. A description of the services provided under the contract.
B. The name, address, and proof of agreement between a second agency which could step in at a moment's notice should the contracting agency not be able to fulfill its designated service.
C. The contracted agency will be held responsible both financially and administratively with respect to the provision of backup services in the event the agency could not fulfill its contract obligations for Middletown citizens in accordance with the contract with the City.
D. A twenty-day advance notification period is required of each agency to inform the City of an expected interruption of services per its contracts.
E. **(11/1/02)**

CITY OF MIDDLETOWN
PURCHASING DEPARTMENT
BID ATTACHMENT
AFFIDAVIT OF LOCAL VENDOR

I, _____ being duly sworn,
Vendor Name

make affidavit and say that I own and operate

_____
Business Name and Address

which is the bona fide principal place of business for

_____
Business Name

Evidence of ownership and principal place of business is attached to this affidavit and may include:

(Check the one which applies.)

_____1. Copy of canceled check for payment of personal property taxes on the business to be utilized in performance of the Bid.

_____2. Copy of long term lease of the real estate from which the principal place of business is operated.

_____
Vendor Name

STATE OF CONNECTICUT:
ss. Middletown, CT
COUNTY OF MIDDLESEX:

Personally appeared, _____,
Vendor Name

owner of _____, signer and sealer
Business Name

of the foregoing instrument and acknowledged the truth of the foregoing, before me.

_____
Notary Public:
My Commission Expires:

BID #2016-031
WATER QUALITY TESTING SERVICES
PUBLIC WORKS DEPARTMENT AND WATER & SEWER DEPARTMENT

GENERAL SPECIFICATIONS

The City of Middletown will accept bids from qualified environmental engineering firms and certified laboratories to provide collection, testing and reporting of water samples for compliance with DEP regulations. Enclosed in these specifications are maps showing the location of all test sites.

It is highly advised that the bidders familiarize themselves with the locations prior to submitting a bid. Some locations require the removal of a catch basin grate, and some of the catch basins are six (6') to seven (7') feet deep. In the winter, the wells at the landfill may be snow covered; access may be limited to walking.

The Connecticut DEP requires that these tests be performed in the timeframes set within these specifications. Every effort needs to be made to satisfy these requirements.

It is the intent of the City to establish a term contract for these services with firm pricing for a contract term of twenty-four (24) months to commence on or after **January 1, 2017 and terminate December 31, 2018.** Testing services required throughout the term of the contract shall be authorized based on the required testing to be performed per fiscal year and per location upon receipt of an approved purchase order.

The bidder shall indicate on the Proposal Form the unit cost per test for each item and corresponding extension. Bidders shall be required to submit a copy of their license to perform the required tests and also must disclose the laboratories to be used for the testing of the samples taken, with a copy of the labs state license attached.

The City of Middletown strongly recommends site visits for the vendors to familiarize themselves with the conditions and locations of the wells, more specifically the access to the wells for water testing. Please contact with the appropriate personnel to coordinate site visit with the following:

Public Work Sites
Thomas Nigosanti
Public Works Engineering
860-638-4850

Water & Sewer Site
Alton I Sanders
Superintendent of WPCF
860-638-3500

Scope of Work to include the following tests:

A. Water samples from observation wells at North End Landfill, Johnson Street

B. Stormwater Monitoring at Maintenance Garage (Washington Street) and Recycling Center (Johnson Street) and Sewage Treatment Plant (100 River Road)

PERFORMANCE OF WORK

All services to be performed under this contract shall be in compliance with DEP or DPH requirements for water quality testing and shall be completed in accordance with the schedule established for each location or type of test required. Any deviations to the schedule must be approved by the Director of Public Works or his designee for Public Work sites and by the Director of Water & Sewer or his designee for the Sewage Treatment Plant

TECHNICAL SPECIFICATIONS- A
WATER QUALITY TESTING – OBSERVATION WELLS AT NORTH END LANDFILL

SCOPE: The work shall include collection of water from three (3) observation wells at the North End Landfill, Johnson Street. Monitoring shall be in accordance with the DEP. See Location plan in Appendix A for the location of the three wells. Three (3) wells will be tested four (4) times a year for a total of twelve (12) tests per year, total of twenty-four (24) tests for contract term.

TIME AND PLACE OF SAMPLING: All samples to be tested shall be collected, four times per calendar year. Samples will be taken in January, April, July, and October of each year. The attached sketch shows the location of the wells at the Landfill. Samples will be taken only when the Landfill is open from 7:00am to 3:00pm, Monday through Friday.

Due to seasonal fluctuation in the surface and sub-surface water levels, there may be times when one or more of the wells are either dry or flooded. When this occurs, the test for those wells will be eliminated. **It is advisable for all bidders to familiarize themselves with the access to access and location of the wells.**

PARAMETERS TO BE MONITORED

Each sample shall be analyzed for following parameters:

1. Total dissolved solids
2. Total suspended solids
3. Alkalinity
4. Hardness
5. COD
6. Dissolved iron
7. Dissolved manganese
8. Ammonia
9. Nitrate
10. Chloride
11. ph
12. Lead
13. Cadmium

Each water sample shall also be analyzed for the following in addition to the above listed parameters:

Hydrocarbons

Volatile organic (according to method 8010 and method 8020 from EPA SWA 846)

TEST PROCEDURES

The samples shall be analyzed by a laboratory certified by the State Health Department.
All samples shall be placed in the appropriate container for the test to be conducted (i.e., BOD bottle, volatile organic bottle, 1/2 gallon plastic bottle, etc.).

RECORDING OF RESULTS

For each measurement or sample taken, the following information shall be recorded:

- the place, date, and time of sampling
- the person(s) collecting samples
- the dates and times the analyses were initiated
- the person(s) or laboratory who performed the analyses
- the analytical techniques or methods used
- the results of all required analyses

REPORTING REQUIREMENTS

Test results are to be completed and returned to the Public Works Department within **thirty (30) calendar** days from date of collection unless specified otherwise. Results shall be sent to:

Thomas Nigosanti
Public Works Engineering
245 DeKoven Drive
Middletown, CT 06457

BASIS OF PAYMENT

All work listed above will be paid for at a unit price for three (3) locations, four tests per year, resulting in a total of twenty four (24) tests for the two year contract term. Work shall include providing the containers, visit to site to perform sampling, delivery of samples to lab, all testing and reporting as listed above.

TECHNICAL SPECIFICATIONS - B
STORM WATER MONITORING- CITY YARD / RECYCLING CENTER AND SEWAGE TREATMENT PLANT

SCOPE: The work shall include storm water monitoring at eight sites at the below locations. Monitoring shall be in accordance with the DEP requirements for the "General Permit for the Discharge of Stormwater Associated with Industrial Activity ", effective date: October 1, 2016, and shall include the following:

TIME AND PLACE OF SAMPLING: All samples shall be collected from discharges resulting from a storm event that occurs at least 72 hours after any previous storm event generating a stormwater discharge. Any sample containing snow or ice melt must be identified on the Stormwater Monitoring Report form.

Sampling shall be done at the following locations, (See Appendix B):

City Yard:	1-4. There are four (4) locations at City Yard that need to be tested. All four are catch basins; the deepest is 6 feet to the invert of the outlet pipe. Appendix B has a sketch of the location of each catch basin. These tests will need to be taken between 7:30 a.m. to 3:30 p.m., Monday through Friday.
Recycling Center:	5. Catch basin behind the swap shack.
	6. The swale along the south side between the Recycling Center and the railroad tracks.
Sewage Treatment Plant	7-8. There are two locations at the Sewage Plant that need to be tested. One is located directly north east of the Blower building and the second one is located west of sludge processing building.

SCHEDULE OF TESTS: One set of tests will be performed between **April 1, 2017 and September 30, 2017**, the second set will take place between **October 1, 2017 and March 31, 2018**. The third set will take place between **April 1, 2018 and September 30, 2018** and a fourth set will take place between **October 1, 2018 and December 31, 2018**. Monitoring events shall be separated by at least 30 days.

STORM EVENT INFORMATION:

The following information shall be collected for each storm events monitored:

- The date, discharge temperature, time of the start of the discharge, time of sampling, and magnitude (in inches) of the storm event sampled; and
- The duration between the storm event sampled and the end of the most recent storm event that produced a discharge.
- In addition to the parameters listed below, uncontaminated rainfall pH shall be measured at the time the runoff sample is taken.

PARAMETERS TO BE MONITORED

Monitoring shall be conducted for the parameters listed for each site below:

City Yard, Catch Basin 1

- Chemical Oxygen Demand (mg/l)
- Total Suspended Solids (mg/l)
- Total Phosphorus (mg/l)
- Total Kjeldahl Nitrogen (mg/l)
- Nitrate as Nitrogen (mg/l)
- Total Copper (mg/l)
- Total Lead (mg/l)
- Total Zinc (mg/l)

City Yard, Catch Basin 2

- Chemical Oxygen Demand (mg/l)
- Total Oil and Grease (mg/l)
- Total Suspended Solids (mg/l)
- Total Phosphorus (mg/l)
- Total Kjeldahl Nitrogen (mg/l)
- Total Copper (mg/l)
- Total Zinc (mg/l)

City Yard, Catch Basin 3

- Chemical Oxygen Demand (mg/l)
- Total Suspended Solids (mg/l)
- Total Zinc (mg/l)

City Yard, Catch Basin 4

- Chemical Oxygen Demand (mg/l)
- Total Suspended Solids (mg/l)
- Total Zinc (mg/l)

Recycling Center, Catch Basin 1

- Chemical Oxygen Demand (mg/l)
- Total Oil and Grease (mg/l)
- Total Suspended Solids (mg/l)
- Total Lead (mg/l)
- Total Zinc (mg/l)

Recycling Center, Swale

- Chemical Oxygen Demand (mg/l)
- Total Oil and Grease (mg/l)
- Total Suspended Solids (mg/l)
- Total Lead (mg/l)
- Total Zinc (mg/l)

Sewage Treatment Plant, Blower Building

- Chemical Oxygen Demand (mg/l)
- Total Oil and Grease (mg/l)
- pH (S.U.)
- Total Suspended Solids (mg/l)
- Total Phosphorus (mg/l)
- Total Kjeldahl Nitrogen (mg/l)
- Nitrate as Nitrogen (mg/l)
- Total Copper (mg/l)
- Total Lead (mg/l)
- Total Zinc (mg/l)

Sewage Treatment Plant, Sludge Processing Building

- Chemical Oxygen Demand (mg/l)
- Total Oil and Grease (mg/l)
- pH (S.U.)
- Total Suspended Solids (mg/l)
- Total Phosphorus (mg/l)
- Total Kjeldahl Nitrogen (mg/l)
- Nitrate as Nitrogen (mg/l)
- Total Copper (mg/l)
- Total Lead (mg/l)
- Total Zinc (mg/l)

TEST PROCEDURES

For sites that discharge through a detention basin or other stormwater management structure, the sample shall be taken at the discharge from the basin or structure. If no discharge occurs during a monitoring period, a Stormwater Monitoring Report (SMR) form shall still be submitted in accordance with the "Reporting Requirements" section (Section 5(h)(3)) of the general permit. In such a case, a notation of "no discharge" shall be made on the SMR form.

Grab samples shall be used for all monitoring and shall not be combined. Collection of grab samples shall begin during the first thirty (30) minutes of a storm event discharge (flow at sampling location) and shall be completed as soon as possible. Samples shall be taken at the outfall or nearest feasible location representative of the discharge. The uncontaminated rainfall pH measurement shall also be taken at this time. All discharge samples at a facility must be taken during the same storm event, if feasible.

Unless otherwise specified in this permit, all pollutant parameters shall be tested according to methods prescribed in Title 40, Code of Federal Regulations (CFR), Part 136. Laboratory analyses must be consistent with Connecticut Reasonable Confidence Protocols.

RECORDING OF RESULTS

For each measurement or sample taken, the following information shall be recorded:

- the place, date, and time of sampling
- the person(s) collecting samples
- the dates and times the analyses were initiated
- the person(s) or laboratory who performed the analyses
- the analytical techniques or methods used
- the results of all required analyses

REPORTING REQUIREMENTS

Test results including all information required above, shall be due within 30 days of the test date. In addition, a **DEP STORMWATER MONITORING** REPORT, copy attached, must be completed and submitted with the test results.

Results shall be sent to:

Thomas Nigosanti
Public Works Engineering
245 DeKoven Drive
Middletown, CT 06457

Results for the Water Treatment Plant shall be sent to:

Alton I Sanders
Superintendent of WPCF
100 River Road
Middletown, CT

BASIS OF PAYMENT

All work listed above will be paid for at a unit price for one set of Storm Water General Permit Testing tests at 8 (eight) locations, two tests per year, resulting in at total of thirty two (32) tests for the two year contract term. Work shall include providing the containers, visit to site to perform sampling, delivery of samples to lab, all testing and reporting as listed above.

BID #2016-031
WATER QUALITY TESTING SERVICES
PUBLIC WORKS DEPARTMENT AND WATER & SEWER DEPARTMENT

BID PROPOSAL PAGE

Issue Date: **11/23/2016** Reply Date:⇒ **Monday, December 19, 2016 at 11:00 am**

To: Supervisor of Purchases
City of Middletown
Room 112, Municipal Building
245 DeKoven Drive
Middletown, CT 06457

We the undersigned have examined the contract documents inclusive of the information to bidders, technical specifications and related documents and propose and agree to contract with the City of Middletown, in the form of an agreement, to provide all materials, equipment and labor necessary to complete Water Quality Testing Services as required at the per unit costs detailed here-in for a contract term of twenty-four (24) months to commence **January 1, 2017 and terminate December 31, 2018. Unit pricing for the items that follow shall be fixed for the duration of the contract.**

THE BID MUST BE SIGNED BY THE BIDDER TO BE ACCEPTED

_____ _____
COMPANY NAME SIGNATURE AND TITLE

SUBMITTALS REQUIRED: Bidder Please check and attach to Proposal Form.

☐ Copy of Current Published Price Schedule. This is required for submittal refer to Item #25, "Information to Bidders".

☐ CURRENT STATE LICENSE # _____
(PLEASE ATTACH COPY)

WATER QUALITY TESTING PUBLIC WORKS				
ITEM #	QTY	DESCRIPTION	UNIT PRICE PER TEST	EXTENSION
1.	24	**OBSERVATION WELLS AT NORTH END LANDFILL** **THREE (3) WELLS TESTED, 4 TESTS PER YEAR, FOR A TOTAL OF TWENTY FOUR (24) TESTS, FOR THE TWO YEAR CONTRACT TERM** **Unit price per each test**	$ _____	$ _____
STORM WATER GENERAL PERMIT TESTING AT CITY YARD, RECYCLING CENTER, AND SEWAGE TREATMENT PLANT. **TOTAL OF EIGHT (8) LOCATIONS (LISTED BELOW), TWO TESTS PER YEAR, RESULTING IN A TOTAL OF THIRTY TWO (32) TESTS FOR THE TWO YEAR CONTRACT TERM**				
2.	4	**CITY YARD CATCH BASIN #1** **Unit price per each test**	$ _____	$ _____
3.	4	**CITY YARD CATCH BASIN #2** **Unit price per each test**	$ _____	$ _____
4.	4	**CITY YARD CATCH BASIN #3** **Unit price per each test**	$ _____	$ _____
5.	4	**CITY YEAR CATCH BASIN #4** **Unit price per each test**	$ _____	$ _____
6.	4	**RECYCLING CENTER CATCH BASIN #1** **Unit price per each test**	$ _____	$ _____
7.	4	**RECYCLING CENTER SWALE** **Unit price per each test**	$ _____	$ _____

8.	4	**TREATMENT PLANT BLOWER BUILDING** **Unit price per each test**	$_____	$_____
9.	4	**TREATMENT PLANT SLUDGE PROCESSING BUILDING** **Unit price per each test**	$_____	$_____

Above bid prices are all inclusive of providing the containers, visit to site to perform sampling, delivery of samples to lab, all testing, reporting and complying with established schedules per each test as indicated.

TOTAL OF ITEMS #1-9 INCLUSIVE SHALL BE:

_____ ($_____)

Written figures

BIDDER acknowledges receipt of the following ADDENDA, IF APPLICABLE:

☐ No. 1 Date:_____/_____/_____

☐ No. 2 Date:_____/_____/_____

Contract Extension: Our pricing shall be held firm at the quoted unit prices herein should the City exercise its right to extend the contract for one additional year**.** _____ **or** _____

Yes **No**

PLEASE NOTE: All of the information below is REQUIRED. Please do not leave any information blank.

Date:

_____ _____

Corporation Name (if applicable) **Company Name**

Mailing Address: **Payment Address** (If different from mailing addr.):

_____ _____

Address Address

_____ _____

_____ _____

City, State and Zip City, State and Zip

FEIN NUMBER: _____ -- _____

Type of Organization:
(Please Check One)

____ Individual / Sole Proprietor

____ Limited Liability Company / Partnership

____ Corporation

Contact Information:

Contact Name: _____ Title:_____

Additional Contact: _____ Title:_____

Phone Number: _____ Fax:_____

Email Address: _____

Website: _____

SIGN HERE: I hereby certify that the above information is correct.

_____ _____ _____

Print or Type Name & Title **Signature** **Date**

WITH EACH PROPOSAL, THE BIDDER SHALL SUBMIT A SIGNED NON-COLLUSIVE STATEMENT ON THE FORM ENCLOSED HERE-IN.

CITY OF MIDDLETOWN CONNECTICUT

NON-COLLUSIVE BID STATEMENT

All bidders are required to sign a Non-Collusive Statement with all public bids as follows:

l. The bid has been arrived at by the bidder, independently and has been submitted without collusion with, and without any agreement, understanding, or planned common course of action with any other bidder of materials, supplies, equipment, or services described in the Invitation to Bid, designed to limit independent bidding or competition; and

2. The contents of the bid have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid, and will not be communicated to any person prior to the official opening of the bid.

Date_____

_____
Signed

_____
Company

_____
Address

_____

_____
Telephone Number

BIDDER'S REFERENCE SHEET

BID #2016-031 WATER QUALITY TESTING - PUBLIC WORKS & WATER & SEWER

NAME OF BIDDER: _____

Name & Address of Reference One: _____

_____

_____

Contact Person Name & Telephone: _____

Project Description: _____

_____

Length of Contract: _____**Total Contract Amount:** $_____

Name & Address of Reference Two: _____

_____

_____

Contact Person Name & Telephone: _____

Project Description: _____

_____

Length of Contract: _____**Total Contract Amount:** $_____

Name & Address of Reference Three: _____

_____

_____

Contact Person Name & Telephone: _____

Project Description: _____

_____

Length of Contract: _____**Total Contract Amount:** $_____

APPENDIX B - INSURANCE REQUIREMENTS

BID #2016-031
WATER QUALITY TESTING SERVICES

A. GENERAL REQUIREMENTS:

The **BIDDER** shall be responsible for maintaining insurance coverage in force for the life of this contract of the kinds and adequate amounts to secure all of the **BIDDER'S** obligations under this contract with an insurance company(ies) with an AM Best Rating of A- VIII or better licensed to write such insurance in the State of Connecticut.

The insurer shall provide the City of Middletown with original completed **Certificates of Insurance signed by an authorized representative of the insurance company(ies)** prior to purchase order/contract issuance. The completed Certificate shall confirm the insurer agrees to endeavor to give the City of Middletown written notice at least thirty (30) days in advance of any termination, expiration, or any and all changes in coverage.

Such insurance or renewals or replacements thereof shall remain in force during the **BIDDER'S** responsibility under this contract.

The **BIDDER,** at their own cost and expense, shall procure and maintain all insurances required and shall name the City of Middletown as an Additional Insured on all contracts, except Workers' Compensation, Professional Errors & Omissions and Valuable Papers coverage. Coverage is to be provided on a primary, noncontributory basis.

In order to facilitate this requirement for insurance, it is recommended that the BIDDER forward a copy of these requirements to their insurance representative(s).

B. SPECIFIC REQUIREMENTS:

(1) Workers' Compensation Insurance -

The **BIDDER** shall provide Statutory Workers' Compensation Insurance, including Employer's Liability with limits of:

$100,000 Each Accident
$500,000 Disease, Policy Limit
$100,000 Disease, Each Employee

(2) Commercial General Liability Insurance -

The **BIDDER** shall carry Commercial General Liability insurance (Insurance Services Offices Incorporated Form CG-0001 or equivalent). A per occurrence limit of $1,000,000 is required. The Aggregate Limit will be not less than $1,000,000. Any deviations from the standard unendorsed form will be noted on the Certificate of Insurance.

(3) Business Automobile Liability Insurance -

If applicable, the **BIDDER** shall carry Business Automobile Liability insurance (Insurance Services Office Incorporated Form CA-00001 or equivalent). A combined single limit each accident of $1,000,000 is required. "Any Auto" (symbol 1 or equivalent) is required. Any deviations from the standard unendorsed form will be noted on the Certificate of Insurance.

(4) **Professional Liability Insurance –**

If applicable, the **BIDDER** shall carry Professional Liability Insurance in an amount of not less than $1,000,000.

C. SUBCONTRACTORS REQUIREMENTS:

The **BIDDER** shall require the same insurance that it is required to carry by the City of Middletown to be carried by any subcontractors and independent contractors hired by the **BIDDER** and to obtain **Certificates of Insurance** before subcontractors and independent contractors are permitted to begin work.

The **BIDDER** shall require that the City of Middletown be named as an Additional Insured on all subcontractors and independent contractors insurance before permitted to begin work. Coverage is to be provided on a primary, noncontributory basis.

The **BIDDER** and all subcontractors and independent contractors and their insurers shall waive all rights of subrogation against the City of Middletown and its officers, agents, servants and employees for losses arising from work performed by each on this contract.

D. OTHER

- If any policy is written on a "claims-made" basis, the policy must be continually renewed for a minimum of two (2) years from the completion date of this contract. If the policy is replaced and/or the retroactive date is changed, then the expiring policy must be endorsed to extend the reporting period for claims for the policy in effect during the contract for two (2) years from the completion date.

- The City reserves the right to amend amounts of coverage required and types of coverage provided based on work or service to be performed.

INSURANCE LANGUAGE
APPROVED AS TO FORM:

_____
NANCY CONAWAY-RACZKA
RISK MANAGER

October 26, 2016
DATE

Bid Return Label

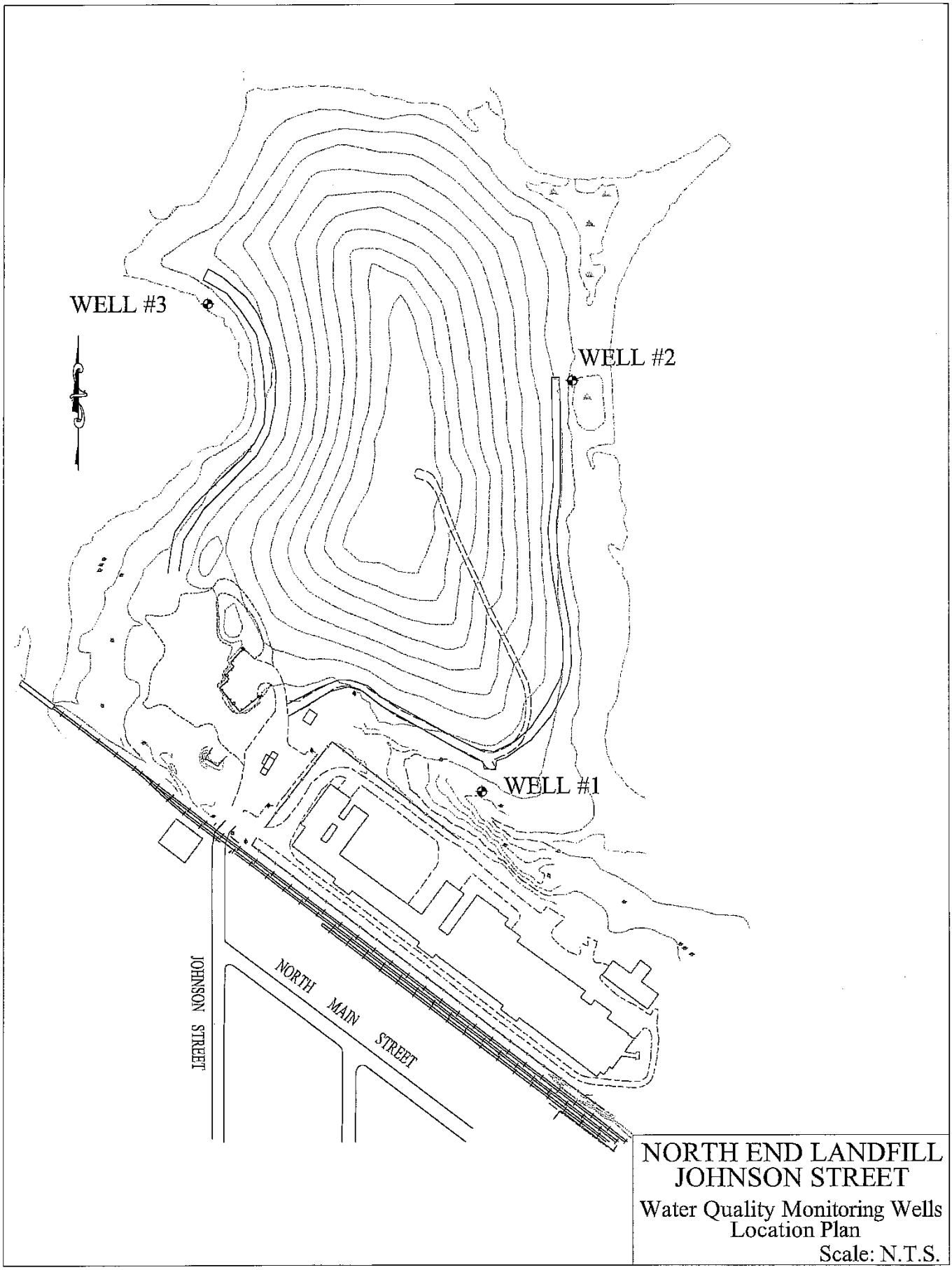
<u>Always use Mailing Label</u> below on <u>all packages</u> when submitting bids to the City of Middletown Purchasing Office for clear identification of your bid response.

<u>Official Bid Documents Enclosed:</u>

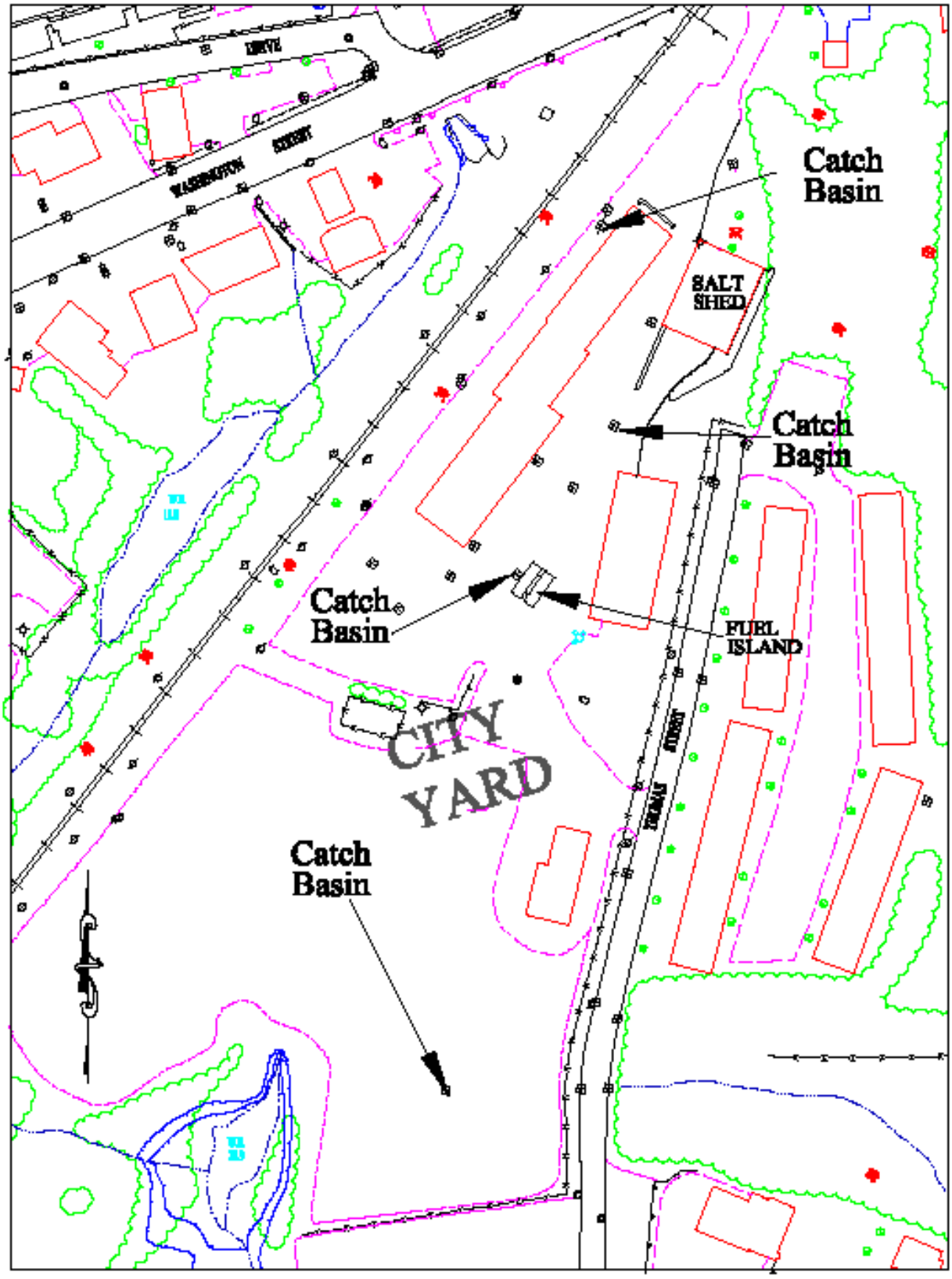
BID # 2016-031- WATER QUALITY TESTING SERVICES
Return Date: <u>Monday, December 19, 2016 at 11:00 am</u>

City of Middletown Purchasing Department
Municipal Building Room 112
245 DeKoven Drive
Middletown, CT 06457

APPENDIX A

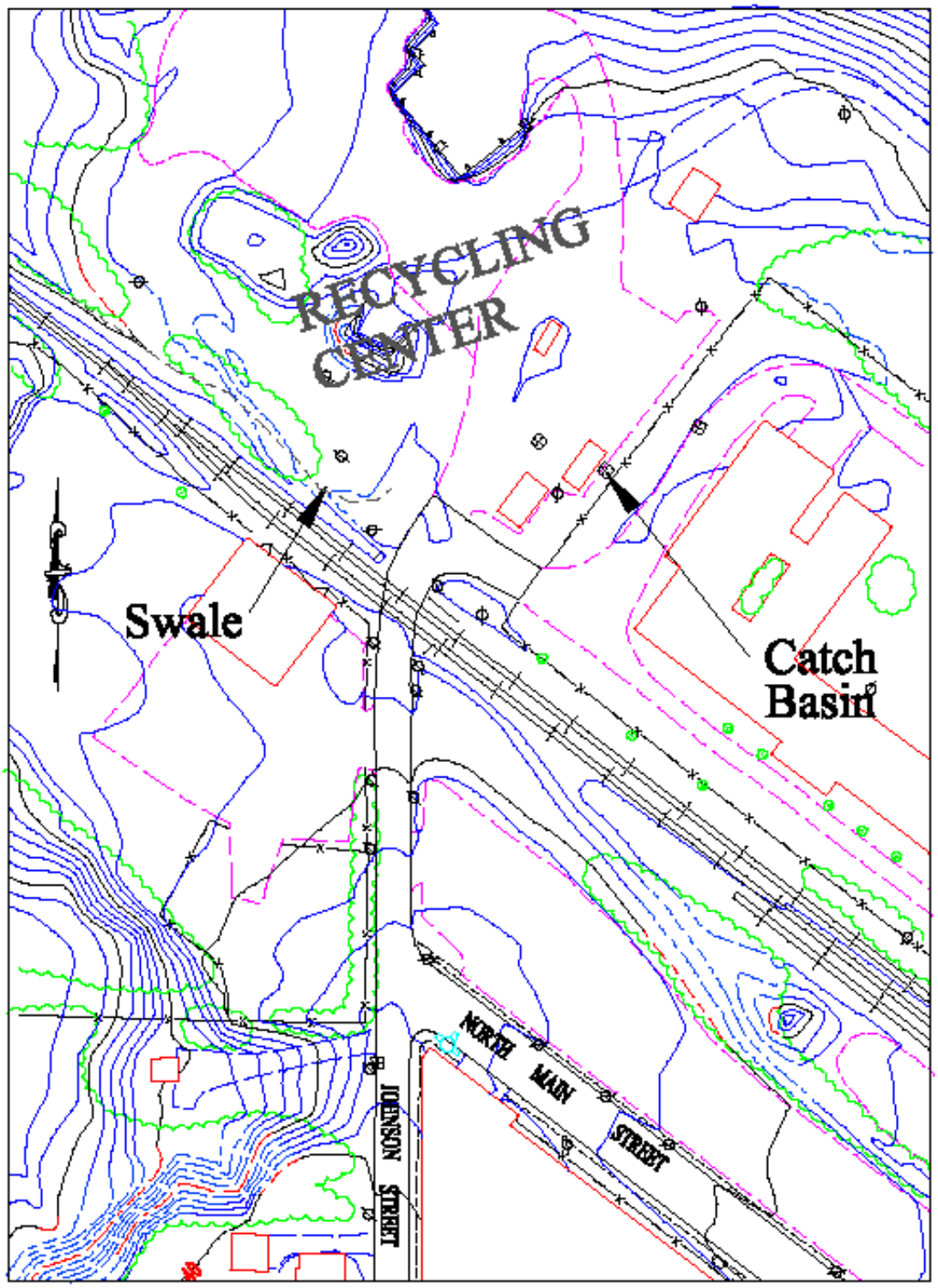

WELL #3
WELL #2
WELL #1
JOHNSON STREET
NORTH MAIN STREET
NORTH END LANDFILL
JOHNSON STREET
Water Quality Monitoring Wells
Location Plan
Scale: N.T.S.

APPENDIX B



Stormwater General Permit - Water Quality Test Site

City Yard - Washington Street Date: 10/27/08



Stormwater General Permit - Water Quality Test Site

Recycling Center - Johnson Street **Date: 10/27/08**

APPENDIX C

General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011
Stormwater Monitoring Report Form
Sector G - Municipal or Federal Facilities

Facility Information

Permittee Name: _____ Site Name: _____
Mailing Address: _____
Contact Person: _____ Title: _____
Business Phone: _____ext.: _____Email: _____
Site Address: _____
Receiving Water (name/basin): _____
Permit #: GSI _____ Primary SIC: _____
Discharges into an Impaired Waterbody: Yes ☐ No ☐ (If yes, complete the table on page 3 of this form)

Sample Information

Sample Location: _____Person Collecting Sample:_____
Date/Time Collected: _____ Date of Previous Storm Event: _____
This report is for samples required: Semi-annually ☐ Annually ☐ Other ☐
Check here if the sample contains **snow or ice melt**: ☐
Check here if a benchmark exceedance is solely due to background or off site sources ☐ see note below

Monitoring Results

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Oil & Grease	Semi-annual		5.0 mg/L	☐		
Rainfall pH	Semi-annual		n/a			
Sample pH	Semi-annual		5-9 SU	☐		
COD	Semi-annual		75 mg/L	☐		
TSS	Semi-annual		90 mg/L	☐		
TP	Semi-annual		0.40 mg/L	☐		
TKN	Semi-annual		2.30 mg/L	☐		
NO_3-N	Semi-annual		1.10 mg/L	☐		
Total Copper	Semi-annual		0.059 mg/L	☐		
Total Zinc	Semi-annual		0.160 mg/L	☐		
Total Lead	Semi-annual		0.076 mg/L	☐		
24 Hr. LC_{50}	Annual-Year 1&2		n/a			
48 Hr. LC_{50}	Annual-Year 1&2		n/a			

*** See Additional Sector G Monitoring Section on page 3 of this form for Federal or Municipal facilities with <u>incidental solid deicing material storage only</u>.**

Exemptions

List here any parameter(s) that will not be sampled for the remainder of the permit term: see note below
_____

NOTE: Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

STORMWATER ACUTE TOXICITY TEST DATA SHEET
(required annually only during Year 1 and Year 2 of the permit)

Site Name:	
Date/Time Begin:	Date/Time End:
Sample Hardness:	Sample Conductivity:
Test Species: *Daphnia pulex* < 24 hrs old	Dilution Water Hardness:

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (su)		
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
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												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC_{50}
Daphnia pulex				

Additional Monitoring: Sector G

For Federal or Municipal facilities with <u>incidental solid deicing material storage only</u>:

Parameter	Required Frequency	Results (units)	Benchmark	Test Method	Laboratory Name
Chloride	Semi-annual Years 1&2 only		n/a		
Cyanide	Semi-annual Years 1&2 only		n/a		

Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

Statement of Certification

"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 the 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 Permittee	Date
Name of Permittee (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR
BUREAU OF WATER PROTECTION AND LAND REUSE
CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011
Data Tracking Sheet
Sector G-Municipal or Federal Facilities

Permittee Name: _____ Permit #: GSI _____
Site Name: _____
Site Address: _____
Sample Location: _____

Enter the sample dates and the data reported for the 4 most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4. ***Only monitoring collected under the current permit (effective 10/1/11,) can be used to earn the monitoring exemption.***

Average = $\frac{(\text{Sample 1} + \text{Sample 2} + \text{Sample 3} + \text{Sample 4})}{4}$

	Sample Result						
Parameter	1	2	3	4	Average	Benchmark*	Qualify for exemption?
Sample Date							
O&G						5.0 mg/L	
Sample pH						5-9 S.U.	
COD						75 mg/L	
TSS						90 mg/L	
TP						0.40 mg/L	
TKN						2.30 mg/L	
NO_3-N						1.10 mg/L	
Total Copper						0.059 mg/L	
Total Zinc						0.160 mg/L	
Total Lead						0.076 mg/L	

*If the average of the 4 most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1.If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample results reported by the testing laboratory were below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to section 5 e(1)B(iii) for a more detailed explanation.

General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

PERMITTEE INFORMATION

Town: City of Middletown

Mailing Address: 245 DeKoven Drive, Middletown, CT 06457

Contact Person: Thomas Nigosanti Title: City Engineer Phone: 860-638-4862

Permit Registration # GSM 000011

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): _____

_____

Please Circle the appropriate area description: Industrial, Commercial, Residential

Receiving Water (name, basin): _____

_____

Time of Start of Discharge: _____

Date/Time Collected: _____ Water Temperature: _____

Person Collecting Sample: _____

Storm Magnitude (inches): _____ Storm Duration (hours): _____

Date of Previous Storm Event: _____

MONITORING RESULTS

Parameter	Method	Result (units)	Laboratory
Sample pH	150.1		
Rain pH	150.1		
Hardness	SM 2340B		
Conductivity	SW-846 9050		
Oil & Grease	1664 A		
COD	SM 5220D		
Turbidity	SM 2130B		
TSS	160.2		
TP	365.1		
Ammonia	350.1		
TKN	351.1		
NO_3+NO_2	SM 4500-NO3F		
E. coli	EPA 1103.1		

STATEMENT OF ACKNOWLEDGEMENT

I certify that the date reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Thomas Nigosanti

Signature: _____ Date: _____