AGENDA

DATE: Monday, March 18, 2013
TIME: 5:30 PM
PLACE: Public Works Center (Second Floor Conference Room), 15 South Smith Street

1. Public Hearing on the Proposed Sewer Use Rates to be effective July 1, 2013 (notice included)

WPCA Regular Meeting:

2. Call to Order
3. Approve the minutes from WPCA Meeting held on February 25, 2013 (copy included)
4. Approve the Sewer User Rates to be Effective July 1, 2013
5. Approve the Proposed FY 2013-14 Operating Budget (copy attached)
6. Approve the Proposed FY 2013-14 Capital Budget (copy attached)
7. Technical Correction of WPCA Approval on February 25, 2013

Original Approval:

Authorize the Chairman or Vice Chairman of the Water Pollution Control Authority to execute an agreement with ARCADIS in the amount of $148,900 to provide professional engineering services for the Beacon Street Interceptor Service Area Project in accordance with a Scope of Work dated December 11, 2012 (copy included).

Change To:

Authorize the Chairman or Vice Chairman of the Water Pollution Control Authority to execute an agreement with Arcadis U.S., Inc. in the amount of $148,900 to provide professional engineering services for the Beacon Street Interceptor Service Area Project in accordance with a Scope of Work dated December 11, 2012 (copy included).

8. Approve the Director of Public Work's recommendation for a nitrogen credit sharing of 25 percent for 7 months to OMI, Inc. in the amount of $13,556. (copy included)

Account No. 224062 5258

9. Reports:
   a. FY12/13 Revenues/Expenditures Report (MUNIS report included)
   b. New WPCA Position (draft description included)
   c. Sammis Street Pump Station Meeting – March 23, 2013 (copy included)
d. WWTP Phase I Upgrade Project Closeout

e. Sewer Use Bill Appeals/Adjustments Update
   1) Appeal status

f. Information Copies:
   1) OMI Monthly Operating Report – February 2013 (copy included)

10. Adjournment

Next WPCA Meeting: Monday, April 15, 2013
5:30 PM
Second Floor Conference Room, Public Works Center
15 South Smith Street
LEGAL NOTICE

NOTICE IS HEREBY GIVEN that the Water Pollution Control Authority for the City of Norwalk will hold a Public Hearing on Monday, March 18, 2013, at 5:30 PM in the Public Works Center, Second Floor Conference Room, 15 South Smith Street, Norwalk on:

WATER POLLUTION CONTROL AUTHORITY
City of Norwalk, Connecticut
PROPOSED SEWER USER CHARGES
To Be Effective July 1, 2013

There is hereby established in accordance with Section 7-255 of the Connecticut General Statutes a sanitary sewer user charge for sanitary sewer service furnished by the Water Pollution Control Authority for the City of Norwalk. The following sanitary sewer user charges apply within City limits only. The charges to be made by the Water Pollution Control Authority for sewer services to property located outside the limits of the City shall be established on the basis of formal contract with the City, the charges shown in said contract to be not less than actual costs to the City and said contracts to be approved by the Water Pollution Control Authority in accordance with Section 7-247 of the Connecticut Statutes.

USE CLASSIFICATION

<table>
<thead>
<tr>
<th>Residential:</th>
<th>RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Family</td>
<td>$290.00</td>
</tr>
<tr>
<td>Two Family</td>
<td>$580.00</td>
</tr>
<tr>
<td>Three Family</td>
<td>$870.00</td>
</tr>
<tr>
<td>Four Family</td>
<td>$1,160.00</td>
</tr>
<tr>
<td>Apartment/Condominium Unit</td>
<td>$290.00</td>
</tr>
</tbody>
</table>

Commercial and Mixed Use Properties (up to 110,000 gallons) $410.00

Commercial and Mixed Use Properties (over 110,000 gallons) $410.00 plus $7.50 per 1,000 gallons over 110,000 gallons

Temporary Discharge: $7.50 per 1,000 gallons

Fats, Oils and Grease (Fog) Program Registration: $200 per application

Industrial Pretreatment (IPP) Fee

- Administration Fee: $250.00
- High Strength Surcharge Fee (sample results exceeding 250 mg/l for BOD and/or TSS, or 100 mg/l for O&G): $250.00
- Noncompliance Fee: $500

**IPP Fee (Total):**

**IPP Fee ($) = Administrative Fee ($) + High Strength Surcharge Fee ($) (if applicable) + noncompliance fee ($) (if applicable)**

Late Payment Interest: 1.5% per month or fraction thereof, 18% per annum

Returned Check Fee: $20

A copy of the proposed charges is on file in the City Clerk’s Office and is available for inspection by the Public.

Dated at Norwalk, Connecticut this ___ Day of March 2013.

ATTEST: ___________________________
Tammy Grimes-McPherson, Assistant City Clerk
CITY OF NORWALK
WATER POLLUTION CONTROL AUTHORITY
FEBRUARY 25, 2013

Attendance: Darren Oustafine, Chairman
Lewis Clark, Vice Chairman
Mayor Moccia
Fred Wilms
Mark Berns
Dave Mc Carthy
Frederika Bikakis-Hajian

Staff: Hal Alvord, DPW Director
Lisa Burns, DPW Operations Manager
Ralph Kolb, DPW Waste Systems Manager
Edward Fitzgerald, WPCA Intern

1. CALL TO ORDER

Chairman Oustafine called the meeting to order at 5:30PM

2. APPROVE THE MINUTES FROM WPCA MEETING HELD ON (COPY INCLUDED)

** MR. MCCARTHY MOVED TO APPROVE THE MINUTES
** MOTION PASSED
** ONE ABSTENSION- MAYOR MOCCIA

3. SCHEDULE PUBLIC HEARING FOR PROPOSED FY 2013-14 SEWER USE RATES ON MARCH 18, 2013 AT 5:30PM (DRAFT NOTICE INCLUDED)

Mr. Kolb reported on the rate changes and said that the residential rate will increase by 1.75%, the commercial flat rate will increase by 2.5% and the commercial flow rate is 2% and that the average increase overall for the sewer use fees is just under 2%. Mr. Berns asked if the percentage of the rate increase can be included in the public notice. Mr. Alvord said that it cannot be included in the legal advertisement but that language can be added to the city's website. Mayor Moccia asked if the bank only charges $20.00 for returned checks or if the fee is higher. Mr. Alvord said that the Tax Collector's office said that the state statute states that $20 is the limit that can be charged for returned checks.

** MR. BERNS MOVED TO SCHEDULE THE PUBLIC HEARING
** MOTION PASSED UNANIMOUSLY

4. TECHNICAL CORRECTION OF WPCA APPROVAL ON DECEMBER 17, 2012

ORIGINAL APPROVAL:
AUTHORIZE THE CHAIRMAN OR THE VICE CHAIRMAN OF THE WATER POLLUTION CONTROL AUTHORITY TO EXECUTE AN AMENDMENT TO THE NOVEMBER 19, 2007 AGREEMENT WITH MALCOLM PIRNIE IN THE AMOUNT OF $148,900 TO PROVIDE
PROFESSIONAL ENGINEERING SERVICES FOR THE BEACON STREET INTERCEPTOR SERVICE AREA PROJECT IN ACCORDANCE WITH A SCOPE OF WORK DATED DECEMBER 11, 2012.
ACCOUNT NO. 09114062-5777-C0361

CHANGE TO:
AUTHORIZE THE CHAIRMAN OR THE VICE CHAIRMAN OF THE WATER POLLUTION CONTROL AUTHORITY TO EXECUTE AN AGREEMENT WITH ARCADIS IN THE AMOUNT OF $148,900 TO PROVIDE PROFESSIONAL ENGINEERING SERVICES FOR THE BEACON STREET INTERCEPTOR SERVICE AREA PROJECT IN ACCORDANCE WITH A SCOPE OF WORK DATED DECEMBER 11, 2012 (COPY INCLUDED)
ACCOUNT NO. 09114062-5777-C0361

** MR. MCCARTHY MOVED TO SUSPEND THE RULES TO AMEND THE AGENDA
** MOTION PASSED UNANIMOUSLY

** MAYOR MOCcia MOVED TO AMEND THE MOTION AND TO DELETE THE WORD TECHNICAL CORRECTION BUT TO AUTHORIZE A FORMAL APPROVAL OF THE CONTRACT AS Delineated WITH ARCADIS IN THE AMOUNT OF $148,900
** MOTION PASSED UNANIMOUSLY

** MR. MCCARTHY MOVED TO RETRACT THE ORGINAL AUTHORIZATION FOR THE CONTRACT WITH MALCOLM PIRNIE
** MOTION PASSED
**ONE ABSTENTION- MAYOR MOCcia

5. REPORTS

a. FY12/13 Revenues/Expenditures Report (MUNIS report included)
   Mr. Kolb said that everything is tracking as expected.

b. Draft FY 13/14 Capital and Operating Budget (copies included)
   Ms. Burns said that there have been no changes to the draft capital budget that was previously presented. Ms. Burns presented the draft operating budget and said that there are two options and that the revenues are the same with either option. She reported on the general changes and said that on the revenue side the sewer use charges, permit fees and connection fees are increased by the percentages that Mr. Kolb had reported on. She said that the nitrogen credits will go up this year and that the WPCA will be receiving $204,000. Mayor Moccia asked if the reserve fund will increase this year. Ms. Burns said when all of the expenses and expenditures are averaged that $50,000 to $250,000 will be added to the unrestricted fund balance. Mayor Moccia asked how much revenue the rate increase will generate. Ms. Burns said approximately $266,000. Mayor Moccia asked what the difference is between the draft A and draft B budgets. Ms. Burns said that option B includes a GIS position and said that staff is proposing to add the position to the WPCA, but since this person would not be solely working for the WPCA and would be helping the city on a very much needed basis that when the city sends the bill to the WPCA for approximately $300,000, staff would offset that by doing an allocation back to the city of 25% of this person’s salary so that there would be no cost to the General Fund for the city, and the net cost to the WPCA will be
$54,000. Mayor Moccia asked if Mr. Hamilton has been made aware of the request. Ms. Burns said that Mr. Kolb had sent him the highlights of the changes but that he has not yet commented. Ms. Burns asked if anyone had any objections to option B because she would like to present the actual operating budget at next month’s meeting. After further discussion there were no objections to option B. Mr. Wilms requested that staff do a bullet point presentation as to what has been done to date with GIS, what the new positions will be doing, and what their responsibilities will be. Mr. Oustafine asked that the position be fairly divided between the WPCA and the city.

c. WWTP Phase I Upgrade- Project Closeout (letter included)
Mr. Kolb said that the city has received all the payments from the Clean Water Fund for the grant and loan portions. He said that he will be withholding payment of $40,000 to Gilbane because when the pumps failed the sampler was also lost and OMI is still manually sampling. He said that the new sampler has been ordered by Gilbane and it is expected to arrive on site in the next couple of weeks and once it is installed he will release the funds. He said that he is also allowing payment on the grit system until it is running properly. Mr. Clark asked if Gilbane is still onsite. Mr. Kolb said that they are not onsite but are in contact via e-mail and when there are important items they are onsite to oversee.

d. Sewer Use Bill Appeals/Adjustments Update
1. Appeal Status
   Mr. Kolb said that the adjustments to date are $64,502.

e. Information Copies
1. OMI Monthly Operating Report- January 2013 (copy included)
   Mr. Kolb said that there were no performance or permit violations and that nitrogen fell into band “D”.

2. Final Draft 2012 Nitrogen Credit (copy included)
   Mr. Kolb said that Norwalk will be receiving $204,809 in nitrogen credits.

3. Town of Wilton Sewer Bill (copy included)
   Mr. Kolb said that the amount that is due this year is $386,520. Mr. Wilms asked how long before the payment is received. Mr. Kolb said normally a month or two after the bills go out.

4. 2012 CSO Monitoring Report (copy included)
   Mr. Kolb discussed and said that there were five events where the Wastewater Treatment Plant went onto storm flow.

6. ADJOURNMENT

** MR. WILMS MOVED TO ADJOURN
** MOTION PASSED UNANIMOUSLY
The meeting adjourned at 6:35PM

Respectfully Submitted,

Dilene Byrd

3
**City of Norwalk**  
**WATER POLLUTION CONTROL AUTHORITY**  
**FY 2013-14 Operating Budget Summary**

**REVENUES (224062)**

<table>
<thead>
<tr>
<th>ACCOUNT</th>
<th>DESCRIPTION</th>
<th>APPROVED FY 12-13</th>
<th>PROJECTED ACTUAL FY 12-13</th>
<th>PROPOSED FY 13-14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>$ 14,000,490</td>
<td>$ 13,733,741</td>
<td>$ 14,266,107</td>
</tr>
<tr>
<td>4513</td>
<td>Norwalk Customers(^1)</td>
<td>$ 13,554,490</td>
<td>$ 13,297,009</td>
<td>$ 13,818,107</td>
</tr>
<tr>
<td>4521</td>
<td>Wilton Interlocal Agreement(^2)</td>
<td>$ 398,000</td>
<td>$ 366,520</td>
<td>$ 398,000</td>
</tr>
<tr>
<td>4522</td>
<td>Other Contract Customers</td>
<td>$ 48,000</td>
<td>$ 50,212</td>
<td>$ 50,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>$ 1,027,500</strong></td>
<td><strong>$ 1,156,308</strong></td>
<td><strong>$ 1,221,309</strong></td>
</tr>
<tr>
<td>4451</td>
<td>Sewer Permit Fees</td>
<td>-</td>
<td>200</td>
<td>-</td>
</tr>
<tr>
<td>452C</td>
<td>Sewer Connection Fees</td>
<td>$ 75,000</td>
<td>$ 145,000</td>
<td>$ 100,000</td>
</tr>
<tr>
<td>452D</td>
<td>Industrial Pretreatment Surcharge(^3)</td>
<td>$ 182,000</td>
<td>$ 244,283</td>
<td>$ 220,000</td>
</tr>
<tr>
<td>4453</td>
<td>Septage Haulers Licenses</td>
<td>$ 1,500</td>
<td>$ 2,000</td>
<td>$ 1,500</td>
</tr>
<tr>
<td>4516</td>
<td>Septage Disposal Fees</td>
<td>$ 525,000</td>
<td>$ 525,000</td>
<td>$ 525,000</td>
</tr>
<tr>
<td>4121</td>
<td>Nitrogen Credits(^4)</td>
<td>$ 75,000</td>
<td>$ 92,980</td>
<td>$ 204,809</td>
</tr>
<tr>
<td>4901</td>
<td>Investment Income(^5)</td>
<td>$ 99,000</td>
<td>$ 82,345</td>
<td>$ 100,000</td>
</tr>
<tr>
<td>4051</td>
<td>Interest on Delinquent Accounts(^6)</td>
<td>$ 65,000</td>
<td>$ 65,000</td>
<td>$ 65,000</td>
</tr>
<tr>
<td>452B</td>
<td>Reimbursement for Stormwater O&amp;M</td>
<td>$ 5,000</td>
<td>-</td>
<td>$ 5,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>$ 2,350,000</strong></td>
<td>-</td>
<td>$ 850,000</td>
</tr>
<tr>
<td>4513</td>
<td>Allowance for Uncollectibles(^8)</td>
<td>(244,000)</td>
<td>- $ (249,000)</td>
<td></td>
</tr>
<tr>
<td>4513</td>
<td>Adjustments</td>
<td>(125,000)</td>
<td>(65,000)</td>
<td>(100,000)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>$ 17,008,990</strong></td>
<td><strong>$ 14,825,549</strong></td>
<td><strong>$ 15,988,416</strong></td>
</tr>
</tbody>
</table>

---

\(^1\) Rate increase $5 residential; $10 commercial; $0.15/1000 gallons commercial consumption.

\(^2\) Billed on actual metered wastewater flow. Varies based on audited expenditures.

\(^3\) Assumes no change in IPP rates although WPCA Financial Model recommends increase to meet future debt service requirements.

\(^4\) CTDEEP published credit price for FY13-14.

\(^5\) Per Comptroller.

\(^6\) Per Comptroller.

\(^7\) Net out in replacement reserve on expenditures sheet and is only an administrative exercise.

\(^8\) Assumes 98.7% collection rate per Tax Collector's Office. May decrease based upon economic conditions.
## City of Norwalk

WATER POLLUTION CONTROL AUTHORITY
FY 2013-14 Operating Budget Summary

### EXPENDITURES (224062)

<table>
<thead>
<tr>
<th>ACCOUNT</th>
<th>DESCRIPTION</th>
<th>APPROVED FY 12-13</th>
<th>PROJECTED ACTUAL FY 12-13</th>
<th>PROPOSED FY 13-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>6110</td>
<td>Salary</td>
<td>$363,333</td>
<td>$364,564</td>
<td>$506,491</td>
</tr>
<tr>
<td>5428</td>
<td>Benefits</td>
<td>$125,491</td>
<td>$125,491</td>
<td>$172,642</td>
</tr>
<tr>
<td>5120</td>
<td>Overtime</td>
<td>$2,400</td>
<td>$3,731</td>
<td>$1,500</td>
</tr>
<tr>
<td>5258</td>
<td>Operations &amp; Maintenance Fees</td>
<td>$5,171,542</td>
<td>$5,189,086</td>
<td>$5,388,813</td>
</tr>
<tr>
<td>Various</td>
<td>Indirect Expenses</td>
<td>$302,064</td>
<td>$302,064</td>
<td>$288,632</td>
</tr>
<tr>
<td>5241</td>
<td>Electricity</td>
<td>$1,458,000</td>
<td>$1,450,000</td>
<td>$1,487,160</td>
</tr>
<tr>
<td>5258</td>
<td>Professional Services</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$225,000</td>
</tr>
<tr>
<td>5268</td>
<td>Contract Monitoring</td>
<td>$125,000</td>
<td>$125,000</td>
<td>$125,000</td>
</tr>
<tr>
<td>5268</td>
<td>Engineering Consulting</td>
<td>$75,000</td>
<td>$75,000</td>
<td>$75,000</td>
</tr>
<tr>
<td>5268</td>
<td>Geographic Information System/IT Services</td>
<td>$50,000</td>
<td>$50,000</td>
<td>$25,000</td>
</tr>
<tr>
<td>5252</td>
<td>Legal Services</td>
<td>$30,000</td>
<td>$30,000</td>
<td>$30,000</td>
</tr>
<tr>
<td>5286</td>
<td>Administration</td>
<td>$52,000</td>
<td>$52,000</td>
<td>$64,000</td>
</tr>
<tr>
<td>5296</td>
<td>General Office</td>
<td>$10,000</td>
<td>$10,000</td>
<td>$12,000</td>
</tr>
<tr>
<td>5266</td>
<td>Billing Costs</td>
<td>$8,000</td>
<td>$8,000</td>
<td>$8,000</td>
</tr>
<tr>
<td>5245</td>
<td>Telephone</td>
<td>$24,000</td>
<td>$24,000</td>
<td>$24,000</td>
</tr>
<tr>
<td>5741</td>
<td>IT Hardware</td>
<td>$10,000</td>
<td>$10,000</td>
<td>$20,000</td>
</tr>
<tr>
<td>5235</td>
<td>Professional Dues/Memberships</td>
<td>$10,000</td>
<td>$10,000</td>
<td>$10,000</td>
</tr>
<tr>
<td>5295</td>
<td>Training/Conferences</td>
<td>$3,500</td>
<td>$3,500</td>
<td>$4,500</td>
</tr>
<tr>
<td>5418</td>
<td>Property Insurance Premium Worker's Compensation</td>
<td>$127,957</td>
<td>$149,056</td>
<td>$156,509</td>
</tr>
<tr>
<td>5789</td>
<td>Replacement Reserve - Wilton's portion per agreement</td>
<td>$1,000,000</td>
<td>$ -</td>
<td>$ -</td>
</tr>
<tr>
<td>5799</td>
<td>Replacement Reserve - Norwalk</td>
<td>$3,866,504</td>
<td>$ -</td>
<td>$855,527</td>
</tr>
<tr>
<td>5521</td>
<td>Debt Service</td>
<td>$4,375,200</td>
<td>$4,363,081</td>
<td>$6,971,584</td>
</tr>
</tbody>
</table>

**TOTAL**: $17,008,990 | $12,183,451 | $15,988,415

---

1. Includes step and COL increases. Includes GIS Analyst position.
2. Assumes CPI increase of 3.5% and Amendment 4.
3. Salaries, benefits and other direct costs for City support services including Finance Department (Tax Collector, Tax Assessor, Comptroller, IT, and Management & Budgets).
4. Also includes allocation for DPW management. Assumed a 5% increase. Amount was decreased by 15% of GIS position's salary/benefits for services benefiting City.
5. Assumes 2% increase over previous year.
6. Assumes 5% increase over projected previous year.
7. Replacement reserve (down to $460,000).
City of Norwalk  
WATER POLLUTION CONTROL AUTHORITY  
FY 2013-14 DRAFT Capital Budget Summary  

**CAPITAL BUDGET - GO REQUEST**  

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Station Upgrade/Replacement</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$250,000</td>
<td>$250,000</td>
</tr>
<tr>
<td>Sammis Street Pump Station and Ann St Siphon Flow Monitoring Rehabilitation</td>
<td></td>
<td>$1,400,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ann St Siphon Sluice Gates Rehabilitation</td>
<td>$250,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collection System Rehabilitation</td>
<td>$2,000,000</td>
<td>$1,500,000</td>
<td>$1,000,000</td>
<td>$1,000,000</td>
<td>$2,000,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Supplemental Treatment Upgrade</td>
<td>$500,000</td>
<td>$2,000,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solids Handling Facility</td>
<td>$200,000</td>
<td>$3,000,000</td>
<td>$2,000,000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

$2,250,000 $3,400,000 $1,950,000 $6,000,000 $4,000,000 $1,000,000
December 11, 2012

Ralph Kolb  
Wastewater Systems Manager  
City of Norwalk WPCA  
15 South Smith Street  
Norwalk, Connecticut 06855

Re: Beacon Street Interceptor Service Area  
Sewer Rehabilitation Planning and Design

Dear Mr. Kolb:

As requested, Malcolm Pirnie, The Water Division of ARCADIS is pleased to provide our scope of services and budget to assist to the Water Pollution Control Authority for the City of Norwalk (WPCA) with planning, design and bidding of the subject project.

The enclosed scope of services and budget have been formatted as attachments to the City’s standard contract as Schedules A and B, respectively. In accordance with the payment structure requested by the WPCA, Malcolm Pirnie/ARCADIS has prepared a budget for the scope of services on a lump-sum by task basis.

We appreciate the opportunity to work with the WPCA on this important project. Should you have any questions or require any additional information, please do not hesitate to contact me.

Very truly yours,

ARCADIS U.S., Inc

Scott R. Haynes, F.E., BCEE  
Principal Engineer

Enclosures
TASK 1 – PLANNING AND PRELIMINARY DESIGN PHASE ENGINEERING SERVICES

Task 1A – Manhole Inspections and Evaluation. ARCADIS and their subcontractor will complete manhole inspections for up to 180 manholes within the Beacon Street Interceptor Service Area. We will review and assess the data collected and develop appropriate rehabilitation recommendations.

Task 1B – Planning and Preliminary Design. ARCADIS will also review and evaluate previously obtained sanitary sewer system investigation data for the Beacon Street Interceptor study area, as provided by the WPCA or already in our possession, including:

- Digital videos of pipeline CCTV inspections, comprising approximately 40,000 LF of sewer pipe
- Any available CCTV records or logs
- Data and recommendations from manhole inspections, smoke testing and dye testing as provided in the "Beacon Street Interceptor Service Area II investigations" Report, dated March 29, 2012

Our review and evaluation will facilitate the determination and selection of the most cost-effective sewer system rehabilitation methods for each pipeline and manhole. Once the appropriate and best rehabilitation methods are selected, we will meet with then WPCA to explain and discuss our recommendations before proceeding with final design.

TASK 2 – FINAL DESIGN SERVICES

ARCADIS will develop technical specifications and contract drawings, which will be incorporated into the WPCA’s standard construction contract (front end) documents, suitable for the City to advertise for and acquire public bids.

As deemed appropriate based on our preliminary design evaluations completed in Task 1, the Sewer System Rehabilitation contract will consist of: recommended trenchless technology work items (cured-in-place pipe lining, cured-in-place spot repairs, testing and sealing of sewer pipeline joints and service connections, etc.); pipeline excavation and replacement (spot repairs); and manhole rehabilitation or replacement. It is anticipated that the majority of the design will consist of trenchless technology rehabilitation of sewers and manholes.

As part of our design services, we will also prepare a tabulation of bid items and develop a construction cost estimate.

Our services under this contract do not include permitting, survey, subsurface geotechnical investigations or determination, location or verification of utilities.

TASK 3 - BIDDING PHASE SERVICES

ARCADIS will provide assistance during bidding and contract award, including the following tasks:

- Maintain a list of prospective bidders to whom Bidding Documents have been issued
- Provide responses to bidder’s questions
- Prepare and issue Addenda, as necessary, to interpret, clarify or expand the Bidding Documents
- Attend a pre-bid meeting and bid opening
- Tabulate, review and analyze bids
- Prepare a Recommendation of Award
- Assist Client with compiling bonds and insurance and assembling construction contracts
Schedule B
Compensation and Preliminary Work Schedule
for Scope of Engineering Services
City of Norwalk
Beacon Street Interceptor Service Area
Sewer System Rehabilitation

For the engineering services described in Schedule A, ARCADIS will be compensated a lump sum fee of $148,900, in accordance with the following Task breakdown.

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Manhole Inspections/Evaluation</td>
<td>$17,200</td>
</tr>
<tr>
<td>1B</td>
<td>Planning and Preliminary Design</td>
<td>$31,000</td>
</tr>
<tr>
<td>2</td>
<td>Final Design</td>
<td>$85,000</td>
</tr>
<tr>
<td>3</td>
<td>Bidding Phase Services</td>
<td>$15,700</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal</strong></td>
<td><strong>$148,900</strong></td>
</tr>
</tbody>
</table>

**Invoices.** ARCADIS will submit invoices to Client for each month during which services were performed. Invoices will be based on a “percent complete” basis for each task.

**Preliminary Work Schedule**

ARCADIS will commence work under this Agreement upon receipt of a signed Contract or Notice to Proceed. Barring unforeseen delays, we anticipate completion of Task 1 (Planning and Preliminary Design) within eight weeks of commencement. The schedule for Task 2 (Final Design) will be determined by the findings of Task 1, and will depend on the nature and extent of rehabilitation design required. Tasks 3 and 4 (Bidding and Construction Services) will be completed in accordance with the Client’s preference and the construction contract duration.
March 5, 2013

Mr. Ralph Kolb, P.E.
Wastewater Systems Manager
City of Norwalk
15 South Smith St
Department of Public Works
Norwalk, CT 06855

Subject: 2011 Norwalk Nitrogen Credit Performance Report

Dear Mr. Kolb,

In accordance with Amendment 2 of the Agreement, CH2M HILL has prepared an annual summary report for 2011 Norwalk Nitrogen Credit Performance comparing actual performance and predicted performance using the Total Nitrogen Lookup Table. This report was not submitted in 2012. Please accept it at this time.

Table 1 on page 5 shows significant operational data to support the overall performance. Following is a monthly breakdown detailing performance.

**JANUARY 2011**
- Performance Result: Band D
- Uncontrollable Circumstances: None
- Operational Review Findings: All equipment online
- SOP Status: All SOPs were followed
- Summary of Findings:
  Nitrogen removal performance exceeded the predicted lookup value under conditions where the average monthly flow was 11.8 MGD and the influent temperature was 11°C. Good operational control contributed to the increased removal.

**FEBRUARY 2011**
- Performance Result: Band D
- Uncontrollable Circumstances: None
- Operational Review Findings: All equipment online
- SOP Status: All SOPs were followed
- Summary of Findings:
  Nitrogen removal performance exceeded the predicted lookup value under conditions where the average monthly flow was 15.6 MGD and the influent temperature was 11°C. Good operational control contributed to the increased removal.
MARCH 2011
- Performance Result: Band D
- Uncontrollable Circumstances: None
- Operational Review Findings: All equipment online
- SOP Status: All SOPs were followed
- Summary of Findings:
  Nitrogen removal performance exceeded the predicted lookup value where the average monthly flow was 19.5 MGD and the influent temperature was 11°C. Good operational control contributed to the increased removal.

APRIL 2011
- Performance Result: Band D
- Uncontrollable Circumstances: None
- Operational Review Findings: All equipment online
- SOP Status: All SOPs were followed
- Summary of Findings:
  Nitrogen removal performance exceeded the predicted lookup value where the average monthly flow was 15.9 MGD and the influent temperature was 14°C. Good operational control contributed to the increased removal.

MAY 2011
- Performance Result: Band D
- Uncontrollable Circumstances: None
- Operational Review Findings: All equipment online
- SOP Status: All SOPs were followed
- Summary of Findings:
  Nitrogen removal performance exceeded the predicted lookup value where the average monthly was 15.2 MGD and the influent temperature was 17°C. Good operational control and warmer weather contributed to the increased removal.

JUNE 2011
- Performance Result: Band D
- Uncontrollable Circumstances: None
- Operational Review Findings: All equipment online
- SOP Status: All SOPs were followed
- Summary of Findings:
  Nitrogen removal performance exceeded the predicted lookup value where the average monthly was 15.1 MGD and the influent temperature was 20°C. Good operational control and warmer weather contributed to the increased removal.

JULY 2011
- Performance Result: Band Expected Operating Range (EOR)
- Uncontrollable Circumstances: None
- Operational Review Findings: All equipment online
- SOP Status: All SOPs were followed
- Summary of Findings:
  Nitrogen removal performance fell into the Expected Operating Range during warmer weather.
AUGUST 2011
• Performance Result: Band A
• Uncontrollable Circumstances: None
• Operational Review Findings: All equipment online
• SOP Status: All SOPs were followed
• Summary of Findings:
• Nitrogen level was higher than the predicted lookup value (EOR) by three pounds.

SEPTEMBER 2011
• Performance Result: Band EOR
• Uncontrollable Circumstances: None
• Operational Review Findings: Aeration Tank #5 was off line
• SOP Status: All SOPs were followed
• Summary of Findings:
• Nitrogen removal performance fell into the Expected Operating Range during warmer weather.

OCTOBER 2011
• Performance Result: Band EOR
• Uncontrollable Circumstances: None
• Operational Review Findings: All equipment online
• SOP Status: All SOPs were followed
• Summary of Findings:
• Nitrogen removal performance fell into the Expected Operating Range during warmer weather.

NOVEMBER 2011
• Performance Result: Band EOR
• Uncontrollable Circumstances: None
• Operational Review Findings: All equipment online
• SOP Status: All SOPs were followed
• Summary of Findings:
• Nitrogen removal performance fell into the Expected Operating Range.

DECEMBER 2011
• Performance Result: Band D
• Uncontrollable Circumstances: None
• Operational Review Findings: All equipment online
• SOP Status: All SOPs were followed
• Summary of Findings:
Nitrogen removal performance exceeded the predicted lookup value where the average monthly flow was 15.6 MGD and the influent temperature was 16°C. Good operational control contributed to the increased removal.

In summary, even though 2011 was a wet year, CH2MILL managed to keep the process in Band D for seven months out of the year and four months in the Expected Operating Range. The process was in Band A for one month but just short of being in the Expected Operating Range by only three pounds.
In accordance with Amendment 2, CH2M HILL is requesting nitrogen credit revenue sharing at 25% for the 7 months in which the total nitrogen performance fell into management D equal to $13,556. The Norwalk WPCA received $92,980 from CTDEEP for 2011.

Sincerely,

[Signature]
Robert Sardaro
CH2MILL Assistant Project Manager

CC: Lisa Burns – Operations Manager, City of Norwalk
    John Ahern – CH2MILL Project Manager
    Kevin Dahl – Regional Business Manager
# Table 1. 2011 Loading and Process Data

<table>
<thead>
<tr>
<th>2011</th>
<th>Influent BOD Loading lbs/day</th>
<th>Influent TN lbs/day</th>
<th>Effluent TN lbs/day</th>
<th>Percent TN Removal</th>
<th>Table TN lbs/day</th>
<th>Effluent - Table TN lbs/day</th>
<th>Band</th>
<th>Effluent NO3 mg/l</th>
<th>Effluent NO3 mg/l</th>
<th>Total Average Flow MGD</th>
<th>Influent Temp C</th>
<th>MLSS Average mg/l</th>
<th>SVI Average</th>
<th>FST Average DOB</th>
<th>Primary Effluent Alkalinity mg/l</th>
<th>Mean Cell Residence Time (MCRT) days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>17463</td>
<td>2799</td>
<td>797</td>
<td>72</td>
<td>1542</td>
<td>797</td>
<td>D</td>
<td>3.9</td>
<td>1.9</td>
<td>11.8</td>
<td>11</td>
<td>3475</td>
<td>103</td>
<td>2.8</td>
<td>131</td>
<td>23.8</td>
</tr>
<tr>
<td>Feb</td>
<td>15891</td>
<td>3192</td>
<td>1086</td>
<td>66</td>
<td>1625</td>
<td>1086</td>
<td>D</td>
<td>5.2</td>
<td>1.0</td>
<td>15.6</td>
<td>11</td>
<td>3708</td>
<td>129</td>
<td>6.5</td>
<td>121</td>
<td>20.5</td>
</tr>
<tr>
<td>Mar</td>
<td>15681</td>
<td>3351</td>
<td>893</td>
<td>73</td>
<td>1584</td>
<td>893</td>
<td>D</td>
<td>2.4</td>
<td>1.1</td>
<td>19.5</td>
<td>11</td>
<td>3406</td>
<td>112</td>
<td>4.5</td>
<td>69</td>
<td>8.3</td>
</tr>
<tr>
<td>Apr</td>
<td>14361</td>
<td>2962</td>
<td>718</td>
<td>77</td>
<td>1616</td>
<td>718</td>
<td>D</td>
<td>1.7</td>
<td>1.5</td>
<td>15.9</td>
<td>14</td>
<td>3083</td>
<td>102</td>
<td>2.5</td>
<td>131</td>
<td>10.1</td>
</tr>
<tr>
<td>May</td>
<td>16724</td>
<td>2982</td>
<td>668</td>
<td>78</td>
<td>1348</td>
<td>668</td>
<td>D</td>
<td>1.6</td>
<td>2.4</td>
<td>15.2</td>
<td>17</td>
<td>2890</td>
<td>112</td>
<td>3.7</td>
<td>75</td>
<td>9.2</td>
</tr>
<tr>
<td>Jun</td>
<td>20333</td>
<td>3212</td>
<td>662</td>
<td>79</td>
<td>885</td>
<td>662</td>
<td>D</td>
<td>2.5</td>
<td>1.2</td>
<td>15.1</td>
<td>20</td>
<td>2376</td>
<td>122</td>
<td>2.9</td>
<td>87</td>
<td>8.8</td>
</tr>
<tr>
<td>Jul</td>
<td>16807</td>
<td>3035</td>
<td>617</td>
<td>80</td>
<td>755</td>
<td>617</td>
<td>EOR</td>
<td>3.5</td>
<td>1.1</td>
<td>13.0</td>
<td>22</td>
<td>2305</td>
<td>125</td>
<td>5.8</td>
<td>76</td>
<td>8.0</td>
</tr>
<tr>
<td>Aug</td>
<td>17190</td>
<td>2946</td>
<td>749</td>
<td>74</td>
<td>746</td>
<td>749</td>
<td>A</td>
<td>1.3</td>
<td>2.3</td>
<td>14.9</td>
<td>23</td>
<td>2687</td>
<td>129</td>
<td>4.0</td>
<td>81</td>
<td>9.8</td>
</tr>
<tr>
<td>Sep</td>
<td>17724</td>
<td>2936</td>
<td>670</td>
<td>77</td>
<td>791</td>
<td>670</td>
<td>EOR</td>
<td>0.5</td>
<td>2.8</td>
<td>18.3</td>
<td>21</td>
<td>3200</td>
<td>101</td>
<td>3.1</td>
<td>73</td>
<td>11.6</td>
</tr>
<tr>
<td>Oct</td>
<td>16787</td>
<td>3106</td>
<td>704</td>
<td>77</td>
<td>792</td>
<td>704</td>
<td>EOR</td>
<td>0.1</td>
<td>3.7</td>
<td>15.5</td>
<td>20</td>
<td>2810</td>
<td>88</td>
<td>1.1</td>
<td>85</td>
<td>11.3</td>
</tr>
<tr>
<td>Nov</td>
<td>15497</td>
<td>3236</td>
<td>676</td>
<td>79</td>
<td>773</td>
<td>676</td>
<td>EOR</td>
<td>0.1</td>
<td>3.8</td>
<td>15.0</td>
<td>18</td>
<td>2647</td>
<td>74</td>
<td>0.9</td>
<td>86</td>
<td>13.8</td>
</tr>
<tr>
<td>Dec</td>
<td>19869</td>
<td>3292</td>
<td>665</td>
<td>80</td>
<td>1363</td>
<td>663</td>
<td>D</td>
<td>0.1</td>
<td>3.7</td>
<td>15.6</td>
<td>16</td>
<td>3280</td>
<td>70</td>
<td>1.1</td>
<td>94</td>
<td>13.8</td>
</tr>
<tr>
<td>Sum</td>
<td>203556</td>
<td>37048</td>
<td>8905</td>
<td>912</td>
<td>13820</td>
<td>8905</td>
<td>D</td>
<td>22.9</td>
<td>26.5</td>
<td>162.4</td>
<td>211</td>
<td>35867</td>
<td>1268</td>
<td>41.8</td>
<td>1109</td>
<td>148.9</td>
</tr>
<tr>
<td>Avg</td>
<td>16963</td>
<td>3087</td>
<td>742</td>
<td>76</td>
<td>1152</td>
<td>742</td>
<td>1.9</td>
<td>2.2</td>
<td>13.5</td>
<td>18</td>
<td>2989</td>
<td>106</td>
<td>3.5</td>
<td>92</td>
<td>12.4</td>
<td></td>
</tr>
<tr>
<td>Max</td>
<td>20333</td>
<td>3351</td>
<td>1086</td>
<td>80</td>
<td>1625</td>
<td>1086</td>
<td>5.2</td>
<td>3.8</td>
<td>22.2</td>
<td>24</td>
<td>3708</td>
<td>129</td>
<td>6.5</td>
<td>131</td>
<td>23.8</td>
<td></td>
</tr>
<tr>
<td>Min</td>
<td>14361</td>
<td>2799</td>
<td>617</td>
<td>66</td>
<td>746</td>
<td>617</td>
<td>0.1</td>
<td>1.0</td>
<td>10.6</td>
<td>11</td>
<td>2376</td>
<td>70</td>
<td>0.9</td>
<td>69</td>
<td>8.0</td>
<td></td>
</tr>
</tbody>
</table>
**FOR 2013**

<table>
<thead>
<tr>
<th>22 WATER POLLUTION CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>040 PUBLIC WORKS</td>
</tr>
<tr>
<td>224062 WATER POLLUTION CONTROL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ORIGINAL APPROP</th>
<th>TRANSFS/ ADJUSTMTS</th>
<th>REVISED BUDGET</th>
<th>YTD EXPENDED</th>
<th>ENC/REQ</th>
<th>AVAILABLE BUDGET</th>
<th>PCT USED</th>
</tr>
</thead>
<tbody>
<tr>
<td>224062 5120 WAGES &amp; SALARY-REGULAR</td>
<td>235,442</td>
<td>0</td>
<td>235,442</td>
<td>156,057.51</td>
<td>.00</td>
<td>79,384.49</td>
<td>66.3%</td>
</tr>
<tr>
<td>224062 5120 WAGES &amp; SALARY-OVERTIM</td>
<td>2,400</td>
<td>0</td>
<td>2,400</td>
<td>3,856.15</td>
<td>.00</td>
<td>-1,458.15</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5140 WAGES &amp; SALARY-PART TI</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3,856.75</td>
<td>.00</td>
<td>-3,856.75</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5150 LONGEVITY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>475.00</td>
<td>.00</td>
<td>-475.00</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5235 MEMBERSHIPS &amp; DUES</td>
<td>10,000</td>
<td>0</td>
<td>10,000</td>
<td>123.00</td>
<td>.00</td>
<td>9,877.00</td>
<td>1.2%</td>
</tr>
<tr>
<td>224062 5241 ELECTRIC</td>
<td>1,458,000</td>
<td>0</td>
<td>1,458,000</td>
<td>716,465.20</td>
<td>.00</td>
<td>741,531.80</td>
<td>49.5%</td>
</tr>
<tr>
<td>224062 5245 TELEPHONE</td>
<td>24,000</td>
<td>0</td>
<td>24,000</td>
<td>11,896.03</td>
<td>.00</td>
<td>12,103.97</td>
<td>49.6%</td>
</tr>
<tr>
<td>224062 5252 LEGAL SERVICES</td>
<td>30,000</td>
<td>0</td>
<td>30,000</td>
<td>9,332.26</td>
<td>.00</td>
<td>20,667.74</td>
<td>31.2%</td>
</tr>
<tr>
<td>224062 5255 OMI AGREEMENT</td>
<td>5,171,342</td>
<td>0</td>
<td>5,171,342</td>
<td>3,025,196.72</td>
<td>1,899,477.13</td>
<td>243,668.15</td>
<td>95.0%</td>
</tr>
<tr>
<td>224062 5281 MILEAGE REIMBURSEMENT</td>
<td>25,000</td>
<td>0</td>
<td>25,000</td>
<td>25.43</td>
<td>.00</td>
<td>-25.43</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5286 BUSINESS EXPENSE</td>
<td>18,000</td>
<td>0</td>
<td>18,000</td>
<td>17,067.95</td>
<td>.00</td>
<td>932.05</td>
<td>94.8%</td>
</tr>
<tr>
<td>224062 5295 SEMINAR &amp; CONFERENCE FEE</td>
<td>3,500</td>
<td>0</td>
<td>3,500</td>
<td>1,639.67</td>
<td>.00</td>
<td>1,860.33</td>
<td>46.6%</td>
</tr>
<tr>
<td>224062 5296 OTHER CONTRACTUAL SERV</td>
<td>250,000</td>
<td>0</td>
<td>250,000</td>
<td>36,591.88</td>
<td>6,337.30</td>
<td>207,070.82</td>
<td>17.2%</td>
</tr>
<tr>
<td>224062 5323 FOOD</td>
<td>45,000</td>
<td>0</td>
<td>45,000</td>
<td>45.00</td>
<td>.00</td>
<td>-45.00</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5410 INSURANCE</td>
<td>127,957</td>
<td>0</td>
<td>127,957</td>
<td>149,026.00</td>
<td>.00</td>
<td>-21,069.00</td>
<td>113.5%</td>
</tr>
<tr>
<td>224062 5428 EMPLOYEE BENEFITS</td>
<td>125,491</td>
<td>0</td>
<td>125,491</td>
<td>160,932.00</td>
<td>.00</td>
<td>-35,441.00</td>
<td>128.2%</td>
</tr>
<tr>
<td>224062 5429 EMPLOYEE BENEFIT NON W</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>78,280.00</td>
<td>.00</td>
<td>-78,280.00</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5521 DEBT SERVICE PRINCIPAL</td>
<td>4,375,290</td>
<td>0</td>
<td>4,375,290</td>
<td>2,023,904.82</td>
<td>.00</td>
<td>2,139,385.18</td>
<td>51.1%</td>
</tr>
<tr>
<td>224062 5651 REIMBURSE G/F FOR PAYR</td>
<td>302,064</td>
<td>0</td>
<td>302,064</td>
<td>205,626.00</td>
<td>.00</td>
<td>96,438.00</td>
<td>68.1%</td>
</tr>
<tr>
<td>224062 5652 REIMBURSE G/F FOR NON</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>16,098.00</td>
<td>.00</td>
<td>-16,098.00</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5741 IT HARDWARE</td>
<td>10,000</td>
<td>0</td>
<td>10,000</td>
<td>8,335.18</td>
<td>.00</td>
<td>1,664.82</td>
<td>83.4%</td>
</tr>
<tr>
<td>224062 5777 WPCA CAPITAL CONSTRUCT</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-162,300.54</td>
<td>.00</td>
<td>162,300.54</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5789 REPAIR REPLACEMENT RES</td>
<td>4,865,504</td>
<td>0</td>
<td>4,865,504</td>
<td>.00</td>
<td>.00</td>
<td>4,865,504</td>
<td>100.0%</td>
</tr>
<tr>
<td>224062 5795 STORM SANDY</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>.00</td>
<td>.00</td>
<td>100,000</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

**TOTAL WATER POLLUTION CONTROL** 17,008,990 0 17,008,990 6,677,498.01 2,005,814.43 8,325,677.56 51.1%

**TOTAL PUBLIC WORKS** 17,008,990 0 17,008,990 6,677,498.01 2,005,814.43 8,325,677.56 51.1%

**TOTAL WATER POLLUTION CONTROL** 17,008,990 0 17,008,990 6,677,498.01 2,005,814.43 8,325,677.56 51.1%

**TOTAL EXPENSES** 17,008,990 0 17,008,990 6,677,498.01 2,005,814.43 8,325,677.56 51.1%

**GRAND TOTAL** 17,008,990 0 17,008,990 6,677,498.01 2,005,814.43 8,325,677.56 51.1%

**END OF REPORT** - Generated by Dilene Byrd **
<table>
<thead>
<tr>
<th>FOR 2013 99</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 WATER POLLUTION CONTROL</td>
</tr>
<tr>
<td>040 PUBLIC WORKS</td>
</tr>
<tr>
<td>224062 WATER POLLUTION CONTROL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ORIGINAL APPROP</th>
<th>TRANFRS/ ADJSMTS</th>
<th>REVISED BUDGET</th>
<th>YTD EXPENDED</th>
<th>ENC/REQ</th>
<th>AVAILABLE BUDGET</th>
<th>PCT USED</th>
</tr>
</thead>
<tbody>
<tr>
<td>224062 4051 SEWER CHARGE INTEREST</td>
<td>-65,000</td>
<td>0</td>
<td>-65,000</td>
<td>-47,741.85</td>
<td>.00</td>
<td>-17,258.15</td>
</tr>
<tr>
<td>224062 4120 CO444 STATE GRANT - CWF</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-850,506.03</td>
<td>.00</td>
<td>850,506.03</td>
</tr>
<tr>
<td>224062 4121 NITROGEN CREDIT TRADING</td>
<td>-75,000</td>
<td>0</td>
<td>-75,000</td>
<td>-92,980.00</td>
<td>.00</td>
<td>17,980.00</td>
</tr>
<tr>
<td>224062 4172 STORM REIMBURSEMENTS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-10,687.50</td>
<td>.00</td>
<td>10,687.50</td>
</tr>
<tr>
<td>224062 4431 SEWER PERMITS</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-200.00</td>
<td>.00</td>
<td>200.00</td>
</tr>
<tr>
<td>224062 4453 SEPTIC LICENSE</td>
<td>-1,500</td>
<td>0</td>
<td>-1,500</td>
<td>-2,000.00</td>
<td>.00</td>
<td>500.00</td>
</tr>
<tr>
<td>224062 4513 SEWER USE CHARGES</td>
<td>-13,185,480</td>
<td>0</td>
<td>-13,185,480</td>
<td>-13,297,009.49</td>
<td>.00</td>
<td>111,519.49</td>
</tr>
<tr>
<td>224062 4516 SEPTIC DISPOSAL FEE</td>
<td>-525,000</td>
<td>0</td>
<td>-525,000</td>
<td>-219,245.00</td>
<td>.00</td>
<td>-305,755.00</td>
</tr>
<tr>
<td>224062 4521 SEWER USE CHARGES-WILT</td>
<td>-398,000</td>
<td>0</td>
<td>-398,000</td>
<td>-386,618.00</td>
<td>.00</td>
<td>-11,382.00</td>
</tr>
<tr>
<td>224062 4522 SEWER USE CHARGES-OUT</td>
<td>-48,000</td>
<td>0</td>
<td>-48,000</td>
<td>-54,407.14</td>
<td>.00</td>
<td>6,407.14</td>
</tr>
<tr>
<td>224062 452B REIMB. STORMWATER DSM</td>
<td>-5,000</td>
<td>0</td>
<td>-5,000</td>
<td>.00</td>
<td>.00</td>
<td>-5,000.00</td>
</tr>
<tr>
<td>224062 452C INDUSTRIAL PRETREATMENT</td>
<td>-75,000</td>
<td>0</td>
<td>-75,000</td>
<td>-244,833.00</td>
<td>.00</td>
<td>169,833.00</td>
</tr>
<tr>
<td>224062 452D SEWER CONNECTION FEES</td>
<td>-182,000</td>
<td>0</td>
<td>-182,000</td>
<td>-145,070.00</td>
<td>.00</td>
<td>-36,930.00</td>
</tr>
<tr>
<td>224062 452E INDUSTRIAL PRETREATMENT</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-9,494.27</td>
<td>.00</td>
<td>4,949.27</td>
</tr>
<tr>
<td>224062 4901 INVESTMENT INCOME</td>
<td>-99,000</td>
<td>0</td>
<td>-99,000</td>
<td>-94,189.00</td>
<td>.00</td>
<td>-4,811.00</td>
</tr>
</tbody>
</table>

** TOTAL WATER POLLUTION CONTROL **
-14,658,990 0 -14,658,990 -15,450,436.28 .00 791,446.28 105.4%

** TOTAL PUBLIC WORKS **
-14,658,990 0 -14,658,990 -15,450,436.28 .00 791,446.28 105.4%

** TOTAL WATER POLLUTION CONTROL **
-14,658,990 0 -14,658,990 -15,450,436.28 .00 791,446.28 105.4%

** TOTAL REVENUES **
-14,658,990 0 -14,658,990 -15,450,436.28 .00 791,446.28 105.4%

** GRAND TOTAL **
-14,658,990 0 -14,658,990 -15,450,436.28 .00 791,446.28 105.4%

** END OF REPORT - Generated by Dilene Byrd **
DRAFT
City of Norwalk

Job Code:

Position Title: GIS Systems Analyst

NMEA Grade:

Department: WPCA

Date:

Position Definition:
Under the general direction of the Operations Manager, and in coordination with the Information Technology Department, GIS Advisory Committee, and the Public Works Department, maintains the enterprise GIS including the development and maintenance of the GIS database and applications and the development and implementation of upgrades to GIS software components; performs related work as required.

General Duties:
- Develops, implements, and maintains the enterprise GIS database and data management procedures.
- Monitors security and database protocol.
- Coordinates implementation and applications of GIS hardware and software with consultants, vendors and users.
- Works with user departments in developing user-friendly GIS applications.
- Provides technical assistance to users.
- Develops and implements upgrades to system components.
- Assists in the data transfer and interoperability between GIS and other applications.
- Provides advice, guidance and leadership in the creation and maintenance of GIS standards and guidelines impacting application development.
- Keeps all system build documentation current.
- Performs other duties as required.

Additional Duties:
This position requires solid problem solving capability, advanced knowledge of GIS database support, excellent customer service and interpersonal skills, as well as decision-making abilities, initiative, and organizational skills.
Qualifications Profile:
BS degree in Geography, Computer Science, Planning or related field and 5 years experience in the GIS technology field, and with using the ARC/Info GIS modules and the AML and AVENUE programming languages OR an equivalent combination of training, education and experience.

Specialized Technical Knowledge/Skills:

- Extensive knowledge of GIS systems technologies and applications including ARC/Info GIS modules, and AML and AVENUE programming languages.
- Extensive knowledge of relational databases.
- Demonstrated ability to integrate various databases and GIS applications
- Extensive experience with creating Web delivery of GIS applications.
- Strong background with Microsoft tools and environments, expertise in Active Directory and Unix systems and market leading databases.
- Ability to evaluate future applications technologies and strategies.
- Strong teamwork and customer satisfaction orientation.
- High energy level and a strong sense of urgency.
- Willingness to persist and lobby with senior management in different organizations to build consensus.
- Demonstrated ability to deliver.
- Excellent interpersonal and organizational skills.

License or Certificate:

TBD

Note: The above is illustrative of tasks and responsibilities. It is not meant to be all-inclusive of every task and responsibility.
INFORMATION SESSION

March 23, 2013 at 10 AM
Rowayton Community Center
33 Highland Avenue, Norwalk

REBUILDING THE SAMMIS STREET PUMP STATION

POST HURRICANES IRENE & SANDY

Hosted by Norwalk Water Pollution Control Authority &
David McCarthy, Councilman - District E

For more information, please call 203/854 3228.
## 1 Plant Activities

### A Maintenance

**Major Items Completed**
- Replaced #2 incline screw trough and bearings
- Replaced 8" touch screen and main breaker on belt press
- Assisted city contractor with work on grit system

<table>
<thead>
<tr>
<th># of WOs completed</th>
<th>This Month</th>
<th>Last Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ending WO backlog</td>
<td>181</td>
<td>270</td>
</tr>
<tr>
<td></td>
<td>273</td>
<td>180</td>
</tr>
</tbody>
</table>

### B Violations

**Excursion - Reason**
- 2/27 BOD Daily 77.4 TSS Daily 102.5 caused by heavy rain and high flow

**Performance Guarantee**
- 2/27 BOD Daily 77.4 Heavy rain high flow
- 2/27 TSS Daily 102.5 Heavy rain high flow
- Monthly BOD 14.5 Heavy rain high flow
- Monthly TSS 11.8 Heavy rain high flow

### C Training

**Safety Tailgates**
- ISM Guiding Principals w quiz
- ISM Core Functions #1,#2,#3,#4, and # 5 w Quiz

**Other**
- JSA incline screw replacement
- JSA Scaffolding set up

## 2 Collection Systems

### A Pump Stations

**MPR Repairs/Upgrades**
- Removed, rebuilt and replaced #3 pump at Sammis St. P.S.

### B Collection System

**Spill / Overflow Reports**
- None

**MPR Repairs/Upgrades**
- Penna Replaced offset on Goodrow St.
- Penna replaced 13' of pipe on Osborne Ave.

<table>
<thead>
<tr>
<th>CCTV Miles</th>
<th>Cleaning Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>CY06, 6/1/05-5/31/06</td>
<td>45.93</td>
</tr>
<tr>
<td>CY07, 6/1/06-5/31/07</td>
<td>45.76</td>
</tr>
<tr>
<td>CY08, 6/1/07-5/31/08</td>
<td>38.71</td>
</tr>
<tr>
<td>CY09, 6/1/08-5/31/09</td>
<td>45.23</td>
</tr>
<tr>
<td>CY10, 6/1/09-6/30/10</td>
<td>38.36</td>
</tr>
<tr>
<td>CY11, 7/1/10-6/30/11</td>
<td>38.29</td>
</tr>
<tr>
<td>CY12, 7/1/11-6/30/12</td>
<td>85.50</td>
</tr>
<tr>
<td>Last Month</td>
<td>6.00</td>
</tr>
<tr>
<td>This Month</td>
<td>6.90</td>
</tr>
</tbody>
</table>
3 Personnel

A Number of Associates / Wastewater Operator Certifications

<table>
<thead>
<tr>
<th>Total Personnel</th>
<th>Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>12</td>
</tr>
<tr>
<td>Operations</td>
<td>7</td>
</tr>
<tr>
<td>Maintenance</td>
<td>10</td>
</tr>
<tr>
<td>Collection Systems</td>
<td>5</td>
</tr>
<tr>
<td>Administration</td>
<td>3</td>
</tr>
<tr>
<td>Turnover</td>
<td>0</td>
</tr>
</tbody>
</table>

B Changes

4 Safety

OSHA Recordable Incidents
None

Lost Time Incidents
None

5 Total Nitrogen Performance

Avg. Influent Westwater Temp. (°C)
12

Avg. BOD Loading (lbs/day)
14,186

Actual TN Performance (lbs/day)
1,097

Lookup Value (lbs/day)
1,652

Actual minus Lookup (lbs/day)
-555

TN Performance Band
Band D

Uncontrollable Circumstances

Operational Review Findings
All equipment online

SOP Status
Winter Operation Mode

Summary of Findings
Inventory at targets.

Description of Ranges/Bands

Expected Operating Range

Band A
Actual TN (aTN), Lookup Value (LV)
aTN between 1 to 175 lbs/day less than LV
aTN between LV and up to 117 lbs/day in excess of LV
aTN between 118 and 234 lbs/day in excess of LV
aTN greater than 234 lbs/day in excess of LV
aTN 176 lbs/day less than LV

6 Miscellaneous

Regulatory Inspections
OSHA Follow up Visit

Storm Flow Events
None
Norwalk WPCA
Norwalk WPCF - Monthly Report
February-13

1. Plant Operations
   A. Major Parameters

   ![Graphs showing monthly average BOD, TSS, Fecal, TN, and Flow MGD over the period from March 12 to February 13.](image)

   - **BOD (mg/l)**
     - Effluent
     - Permit
     - Exceeded

   - **TSS (mg/l)**
     - Effluent
     - Permit
     - Exceeded

   - **Fecal (fl/100 ml)**
     - NPDES Permit
     - 200 fl/100 ml

   - **TN (lbs/day)**

   - **12-month Rolling average TN (lbs/cay)**

   - **Flow MGD**