AGENDA

DATE: Monday, May 18, 2015

TIME: 5:30 PM

PLACE: Public Works Center (Second Floor Conference Room), 15 South Smith Street

WPCA Regular Meeting:

1. Call to Order

2. Executive Session to discuss ongoing litigation with Flowserve about main lift pumps' failure

3. Approve the minutes from WPCA Meeting held on April 20, 2015 (copy included)

4. Authorize the Chairman or Vice Chairman to execute an agreement with Updike, Kelly & Spellacy, P.C. to contract directly with Applied Technical Services, Incorporated, the WPCA's expert witness, for services pertaining to litigation with Flowserve. (draft agreement included)

5. Reports:
   a. FY14/15 Revenues/Expenditures MUNIS Reports (copy included)
   b. City of Norwalk – Click & Request
   c. Discussion on WPCA Projects:
      1) Request for Qualifications – On-Call Engineering Services (copy included)
      2) Beacon Street Interceptor Service Area Sewer System Rehabilitation Project
         a. 23 Macintosh Road
         b. 17 Macintosh Road
      3) Sammis Street Pump Station and Ann Street Flood Damage Upgrade
   d. Sewer Use Bill Appeals/Adjustments Update
      1) Appeal status
   e. Information Copies:
      1) OMI Monthly Operating Reports – April 2015 (copy included)

6. Adjournment

Next WPCA Meeting: Monday, June 15, 2015
5:30 PM
Second Floor Conference Room, Public Works Center
15 South Smith Street
CITY OF NORWALK
WATER POLLUTION CONTROL AUTHORITY
April 20, 2015

Attendance:  Darren Oustafine, Chairman
              Lewis Clark, Vice Chairman
              James Clark
              John Flynn
              Galen Wells

Staff:       Hal Alvord, DPW Director
              Lisa Burns, DPW Operations Director
              Ralph Kolb, DPW Senior Environmental Engineer

Others:      John Ahern, CH2M Hill, OMI, Inc.
              Paola Molloy, CH2M Hill, OMI, Inc.
              Dale Schmude, CH2M Hill, OMI, Inc.

1. CALL TO ORDER

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

2. EXECUTIVE SESSION TO DISCUSS ONGOING LITIGATION WITH FLOWSERVE
   ABOUT MAIN LIFT PUMPS' FAILURE

** MR. MCCARTHY MOVED TO ENTER INTO EXECUTIVE SESSION
** MOTION PASSED UNANIMOUSLY

Executive session began at 5:30PM
Executive session ended at 5:50PM
No action was taken
Ms. Wells arrived at 5:38PM
Mr. James Clark arrived at 5:46PM

3. APPROVE THE MINUTES FROM WPCA MEETING HELD ON MARCH 16, 2015
   (COPY INCLUDED)

Mr. James Clark said on Page 4, Item 9 to remove “Clark”.

** MR. MCCARTHY MOVED TO APPROVE THE MINUTES AS AMENDED
** MOTION PASSED
** ONE ABSTENTION- MS. WELLS
4. **AUTHORIZE THE CHAIRMAN OR VICE CHAIRMAN OF THE WATER POLLUTION CONTROL AUTHORITY TO EXECUTE AN AMENDMENT TO THE APRIL 5, 2013 AGREEMENT WITH WRIGHT-PIERCE IN THE AMOUNT OF $21,500 TO PROVIDE ADDITIONAL ENGINEERING SERVICES, TRAINING, AND RECORD DRAWINGS RELATED TO THE SAMMES STREET PUMP STATION AND ANN STREET SIPHON CHAMBER IN ACCORDANCE WITH A LETTER PROPOSAL DATED DECEMBER 16, 2013 (COPY INCLUDED)**

**ACCOUNT NO. 09114062-5777-C0360**

Mr. Kolb said that staff has requested that Wright-Pierce prepare record drawings once the pump station project is completed, and additionally have requested overall training for OMI staff on the pump station as a whole rather than per component. He said that there were also additional engineering services performed that was outside of the original scope of work due to change orders. Mr. McCarthy suggested that going forward the record drawings be included in the original scope of work once the change orders have been completed. Mr. Kolb agreed.

**MR. MCCARTHY CLARK MOVED TO APPROVE THE ITEM**
**MOTION PASSED UNANIMOUSLY**

5. **REPORTS**

a. **FY 14/15 Revenues/Expenditures MUNIS Report (copy included)**

Mr. Kolb reported on the FY 14/15 report and said that everything is tracking as expected with the exception of the revenues from septic disposal, and they are down more than was anticipated due to Kaiser-Battistone being sold since then they have been going to Bridgeport. He said the Town of Wilton has paid their sewer use fee but that it has not reflected the MUNIS report yet.

b. **Discussion on Finance Committee Comments on Rate Structure**

Ms. Burns said that at the Finance Committee meeting the Chairman had made some comments and requested that the WPCA Board look at rate structure, consumption based billing at discounted rates for senior citizens. Mr. McCarthy said that the rates being favorable to the residential homeowner are probably better for senior citizens than going to consumption based billing with senior discounts. Ms. Burns said that a study was done in 2008 which showed that generally the residential bill would increase if consumption based billing is implemented. Mr. Alvord said that Norwalk has one of the lowest residential rates in the state. After further discussion it was decided that staff would look into information on a senior citizen discount.

c. **Discussion on Shellfish Closures (letter included)**

Mr. Kolb said that when the Pine Point sewer replacement was completed last week he had immediately notified the Shellfish Commission. He said that it had sounded like they were going to open the shell fish beds for a couple of days but due to the heavy rains in the forecast they most likely would be closing them again.
d. Discussion on WPCA Projects:
   1) Beacon Street Interceptor Service Area Sewer System Rehabilitation Project
      Mr. Kolb said that the project is going well and that the contractor is getting ready
to set up the last bypass and that it will be set up for approximately six weeks.

      Ms. Burns said that there was an issue on Macintosh Road and that when all of
      the laterals were re-commissioned by the contractor after the lining, there were
      three homes that had back-ups. She said that staff had AJ Penna perform a
      repair, and it was discovered that the laterals on that street have a siphon under
      the water line, so when their service was disconnected the line backed up and
      could not be flushed through because the siphon was lost. She said that even
      though they have non-conforming laterals, she had told them to submit the
      claims and it would be taken care of as part of the project because the backup
      would not have happened had the project not be done, but that she will be having
      them sign a release holding the city harmless for any future repairs.

   2) Sammis Street Pump Station and Ann Street Flood Damage Upgrade
      Mr. Kolb reported and said that the contractor is now working on the punch list for
      the Sammis Street Pump Station, and they are finalizing some of the change
      order work that was identified.

e. Sewer Use Bill Appeals/Adjustments Update
   1) Appeal status
      Mr. Kolb said that the adjustments to date are $73,403.

f. Information Copies:
   1. OMI Monthly Operating Reports-March 2015 (copy included)
      Mr. Kolb reported on the collections system and said that nitrogen fell into band "D"
      Mr. Ahern introduced Dale Schmude as the Maintenance Manager for OMI, Inc.

6. ADJOURNMENT

** MR. FLYNN MOVED TO ADJOURN
** MOTION PASSED UNANIMOUSLY

The meeting adjourned at 6:30PM

Respectfully Submitted,

Dilene Byrd
AGREEMENT BY AND BETWEEN
THE WATER POLLUTION CONTROL AUTHORITY FOR THE CITY OF NORWALK
AND UPDIKE, KELLY, & SPELLACY, P.C.

Whereas, the Water Pollution Control Authority for the City of Norwalk ("WPCA") has
retained the services of Updike, Kelly & Spellacy, P.C. ("UKS") with regard to its dispute with
Flowserve US, Inc. ("Flowserve");

Whereas, WPCA’s dispute with Flowserve pertains to defective pumps and equipment
that were furnished as part of the WPCA’s wastewater treatment plant upgrades;

Whereas, in order to prove its claims against Flowserve, WPCA required expert opinion
pertaining to the cause of the pump failures;

Whereas, WPCA selected Applied Technical Services, Incorporated ("ATS") to provide
expert witness services in relation to its dispute with Flowserve; and

Whereas, in order to maintain confidentiality of discussions between UKS and ATS,
UKS is required to contract directly with ATS on behalf of WPCA.

NOW, THEREFORE, in consideration of the mutual promises and obligations stated
herein, the Parties hereto agree as follows:

1. UKS shall contract directly with ATS for services pertaining to WPCA’s dispute with
Flowserve.

2. All the terms and conditions of the agreement between UKS and ATS are hereby
incorporated by reference as if fully set forth herein.

3. All UKS’ duties and obligations pursuant to the agreement between UKS and ATS
shall be considered duties and obligations of WPCA as the real party in interest.

4. WPCA shall be financial responsible for payment for ATS’ services as required by
UKS for WPCA’s dispute with Flowserve. WPCA shall issue payments of amounts
due ATS in a timely manner in order to allow UKS to make payment to ATS within
30 days of the date of the invoice.

5. WPCA shall defend, indemnify, and hold harmless UKS from any and all claims
brought by ATS arising out of or related to the services ATS provides in relation to
WPCA’s dispute with Flowserve.
Agreed and Accepted:

Updike, Kelly, & Spellacy, P.C.

Water Pollution Control Authority
for the City of Norwalk
### FOR 2015-99

#### 22 WATER POLLUTION CONTROL

##### 040 PUBLIC WORKS

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** TOTAL WATER POLLUTION CONTROL **

| | 18,866,192 | 0 | 18,866,192 | 13,569,384.29 | 1,279,383.68 | 4,017,424.03 | 78.7% |

** TOTAL PUBLIC WORKS **

| | 18,866,192 | 0 | 18,866,192 | 13,569,384.29 | 1,279,383.68 | 4,017,424.03 | 78.7% |

** TOTAL WATER POLLUTION CONTROL **

| | 18,866,192 | 0 | 18,866,192 | 13,569,384.29 | 1,279,383.68 | 4,017,424.03 | 78.7% |

** TOTAL EXPENSES **

| | 18,866,192 | 0 | 18,866,192 | 13,569,384.29 | 1,279,383.68 | 4,017,424.03 | 78.7% |

** GRAND TOTAL **

| | 18,866,192 | 0 | 18,866,192 | 13,569,384.29 | 1,279,383.68 | 4,017,424.03 | 78.7% |

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FOR 2013 99

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TOTAL WATER POLLUTION CONTROL | -15,066,192 | 0 | -15,066,192 | -15,250,043.37 | .00 | 183,851.37 | 101.2% |
TOTAL PUBLIC WORKS | -15,066,192 | 0 | -15,066,192 | -15,250,043.37 | .00 | 183,851.37 | 101.2% |
TOTAL WATER POLLUTION CONTROL | -15,066,192 | 0 | -15,066,192 | -15,250,043.37 | .00 | 183,851.37 | 101.2% |
TOTAL REVENUES | -15,066,192 | 0 | -15,066,192 | -15,250,043.37 | .00 | 183,851.37 | 101.2% |
GRAND TOTAL | -15,066,192 | 0 | -15,066,192 | -15,250,043.37 | .00 | 183,851.37 | 101.2% |

** END OF REPORT - Generated by Dilene Byrd **
REQUEST FOR QUALIFICATIONS (RFQ)
WATER POLLUTION CONTROL AUTHORITY FOR THE CITY OF NORWALK
ON-CALL ENGINEERING SERVICES
APRIL 22, 2015

Introduction

The Water Pollution Control Authority for the City of Norwalk (WPCA) is soliciting qualification statements for on-call engineering services for the following three categories:

1. Wastewater treatment plant (on-call agreement value approximately $2MM over 3 years)
2. Pump stations (on-call agreement value approximately $250,000 first year)
3. Wastewater collection systems (on-call agreement value approximately $1MM over 3 years)

On-call engineering services can include planning, design, and construction; surveying; information technology and geographic information systems (GIS); and environmental consulting. Additional specialty services for each category can include geotechnical support, structural engineering, various types of modeling (e.g. hydraulic), economic and cost analysis, procurement, electrical, and supervisory data and control acquisition (SCADA) services.

The WPCA intends to retain one firm for each category, but reserves the right to award to more than one firm if it determines it is in its best interests. Firms may propose on any category or multiple categories. The WPCA intends to structure a three year contract with a consultant in each category. Scopes of work, or task orders, will be developed and level of effort negotiated as projects arise. The scope of services can include planning, studies, alternatives analysis, design services, and construction administration/inspection.

Background

The WPCA provides regional municipal wastewater collection and treatment services on a retail basis to approximately 23,000 customers in the City of Norwalk and on a wholesale basis to the Town of Wilton through an Interlocal Agreement. Additional retail accounts are served in Westport.

The WPCA has a 20-year agreement, ending in 2020, with OMI (CH2M) for the contract operation of its collection, pumping and treatment facilities. The contract with OMI also provides for sewage sludge processing and disposal.

The annual operating budget of the WPCA is in the range of $15MM and an additional $3 to $5MM is allocated to capital projects yearly.

Wastewater Treatment Plant
The Norwalk Water Pollution Control Facility (WPCF) is an 18 million gallon per day (mgd) advanced wastewater treatment facility using the Modified Ludzack-Ettinger (MLE) nitrogen removal process. Its most recent upgrade to its headworks system was completed in 2012, which included new main lift
pumping, screening, and grit removal. The plant handles wet weather flows up to a peak of 95 MGD. Wet weather flows up to 30 MGD receive secondary treatment and flows higher than that receive preliminary treatment and additional screening, before being discharged into the Norwalk River and ultimately the Long Island Sound.

Recent and some of the proposed projects, but not all, related to the wastewater treatment plant are listed below:

**Recent projects:**

1. Ann Street Siphon rehabilitation and monitoring
2. Construction of new headworks facility, including new generator
3. Replacement of 2012 main lift pumps

**Proposed projects:**

1. Solids handling facility and aeration blower improvements
2. Wet weather treatment improvements
3. Influent sluice gate replacement

**Pump Stations**

The WPCA has 22 pump stations. Nine of the pump stations are considered “large”, with pumping capacities greater than 1 MGD and ranging from about 2 MGD to 11 MGD. The remainder is categorized as “small”, with flows less than 1 MGD.

Recent and some of the proposed projects, but not all, related to the pump stations are listed below:

**Recent projects:**

1. Interim improvements to Fort Point Pump Station
2. Communication / SCADA improvements to all pump stations
3. Construction of new Sammis Street Pump Station
4. Comminutor replacements at all related pump stations
5. Keeler Brook Pump Station capacity improvements
6. Underground storage tank (UST) removal
7. Generator replacement at various pump stations

**Proposed projects:**

1. Keeler Brook Pump Station rehabilitation
2. Fort Point Pump Station rehabilitation

**Collection System**

The City of Norwalk has approximately 180 miles of sewer pipelines and associated manholes. The collection system has been an area of increased focus by the WPCA over recent years, and will continue at about $1 to $2MM being spent annually. Under the contract operation arrangement, the operation and maintenance of the collection system is carried out by OMI.

Recent and some of the proposed projects, but not all, related to the collection system are listed below:
Recent projects:

1. Options analysis for rehabilitation of Ely Avenue sewer
2. Rehabilitation of the Beacon Street Sewershed
3. Rehabilitation of Seaview/Cove Interceptor
4. Rehabilitation of Westport Avenue Sewershed
5. Rehabilitation of Norwalk River Interceptor
6. Replacement South Smith Street 36-inch pipe
7. Rehabilitation of Keeler Brook Sewershed
8. Sewer Extension on Highland Avenue

Proposed projects:

1. Ely Avenue sewer replacement or construction of new pump station
2. Marvin Beach forcemain replacement
3. East Avenue Interceptor capacity restoration project
4. Various priority sewer rehabilitation projects

Consultant Proposal

Firms interested in providing engineering services for one or more of the categories should prepare a Statement of Qualifications for each. Consultants may be selected for more than one category.

The WPCA does not guarantee any or minimum quantity of projects per year or task orders issued. The WPCA reserves the right to issue separate Requests for Qualifications for specific projects that it deems in its best interests.

Joint Ventures and Sub-consultants
Joint ventures will be considered provided one firm is identified as the prime consultant.

The WPCA expects that responding firms will have access to sub-consultants for specific work tasks. Sub-consultants do not need to be identified; however, responding firms should indicate for what work tasks it most likely will use sub-consultants.

MBE/WBE
The awarded consultants may subject to the State’s Minority Business Enterprise (MBE) / Women’s Business Enterprise (WBE) requirements. To ensure compliance with the MBE/WBE requirements, consulting engineers shall undertake certain affirmative steps to provide opportunity for MBE/WBE firms to participate in contracts. The requirement for MBE/WBE subcontractor participation, expressed as a percentage of the total engineering agreement amount, shall be a minimum of 5.0 percent with the following makeup, MBE 3.0 percent and WBE 5.0 percent. The MBE/WBE percentages shall be maintained or exceeded in the event of one subcontractor being substituted for another.

Proposal Format
The proposal submission should contain the following information:

1. Understanding of On-call Engineering Services for Applicable Category
2. Key Personnel / Related Experience
3. Description/Approach/Philosophy for On-Call Engineering and Specialty Services (indicate which services will most likely be sub-contracted)
4. Compensation (direct labor, overhead, profit, markup on direct reimbursable expenses)

Although there is no page limit, proposers are strongly encouraged to be concise with their submissions and refrain from including superfluous information.

Questions about this Request for Qualifications should be directed to Lisa Burns (contact information below). Five copies of the firm’s Qualifications Statement should be submitted no later than 4:00 PM on May 20, 2015 to:

Lisa Burns, P.E.
Operations Manager
Water Pollution Control Authority
15 South Smith Street
Second Floor
Norwalk, CT 05855
Phone: 203 856-7797
E-mail: lburns@norwalkct.org

Attn: Request for Qualifications – WPCA for the City of Norwalk – ON-CALL ENGINEERING SERVICES / [INSERT CATEGORY NAME]

Selection Process

The WPCA will convene a submission review panel to evaluate the qualification statements. Based upon the review of the submissions and any current relevant experience with the WPCA, the selection panel may select a consultant or interview short-listed consultants for one or more of the categories. The panel will recommend to the WPCA Board a selected consultant for each category.

Schedule

The WPCA expects to complete the selection process accordingly:

- Issue RFQ: April 22, 2015
- Submission Deadline: May 20, 2015
- Interviews (if needed): June 2015
- WPCA Board Approval: July 20, 2015

Print Once: April 22, 2015
1 Plant Activities

A Maintenance

MRR Repairs/Upgrades
Repaired primary tank #2 flights and chain also PM tank
Cleaned north chlorine contact tank, Replaced coupling on #4 hyypo pump. Replaced brushes on all four final settling tanks
Replaced booster motor on BFP. HVAC annual maintenance.
Replaced sump pump in Secondary Building.
GBT replaced booster pump motor. Unplugged grease pit.
Quality Roofing replaced portion of Primary Bldg. roof.
AEM replaced pressure switches on MLP's

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<td>Ending WO backlog</td>
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B Violations

Permit Monthly
Excursion - Reason
None

Performance Guarantee
none

C Training

Safety
Mike Coon CH Safety Rep on site conducting Safety Training
All Personnel completed Enterprise and OM Services Training
Updated and conducted training on Work Control Plan, AHA's and pre-task planning

Other
Fire protection Services tested fire sprinklers in all buildings
Complotted Quarterly Odor Survey
Arcadis conducted annual plant and pump station review
Norwalk Fire Marshall visited and conducted a walk through

2 Collection Systems

A Pump Stations

MRR Repairs/Upgrades
Contractor continued work on Sammis St. PS
Repaired Generator at Marvin Beach Pump Station

B Collection System

Spill / Overflow Reports
4-6-15 Kaiser Battistone spilt 5 Gal. sewage Cove Ave & 5th St.
4-6-15, 1 gallon sewage spill @ 7 Hawkins
4-7-15, 3000 gal. sewage spill collapsed line, Hawkins Ave.
4-12-15, 500 gal sewage spill @ 24 Isaac St. clogged line
4-14-15, Vactor truck spill .83 gallons sewage @ 60 South Smith St.
4-15-15, Keikamp spilt 23 gal. sewage @ 37 Williams St.
3 Personnel

A Number of Associates / Wastewater Operator Certifications

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B Changes

New Maintenance Manager Dale Schmude start date 4-13-15

4 Safety

OSHA Recordable Incidents

None

Lost Time Incidents

None

5 Total Nitrogen Performance

Avg. Influent Wastewater Temp. (°C) 14
Avg. BOD Loading (lbs./day) 12,941
Actual TN Performance (lbs./day) 571
Lookup Value (lbs./day) 1,652
Actual minus Lookup (lbs./day) -1,081
TN Performance Band D
Uncontrollable Circumstances None

Operational Review Findings

SOP Status

Summary of Findings

Inventory at targets.

Description of Ranges/Bands

Actual TN (aTN), Lookup Value (LV)

Expected Operating Range

Band A

Band B

Band C

Band D

aTN between 1 to 175 lbs./day less than 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

Storm Flow Events

4-20-15 Heavy rain plant on storm flow from 2:30pm to 5:45pm
1. Plant Operations
   A. Major Parameters

   **Monthly average BOD (mg/l)**
   - April-14 to April-15

   **Monthly average TSS (mg/l)**
   - April-14 to April-15

   **Monthly average Fecal (#/100 ml)**
   - April-14 to April-15

   **Monthly average TN (lbs/day)**
   - April-14 to April-15

   **12-month Rolling average TN (lbs/cay)**
   - April-14 to April-15

   **Monthly average Flow MGD**
   - April-14 to April-15