

RESOLUTION

No. **19-108**

Date of Adoption **MAR 07 2019**

Approved as to Form and Legality

[Signature]
JOHN MORELLI, CITY ATTORNEY

Factual content certified by

[Signature]
DR. SHING-FU LUNG, PH.D., P.E., P.P.

Councilman/woman

presents the following Resolution:

RESOLUTION AWARDED A CONTRACT THROUGH A FAIR AND OPEN PROCESS IN ACCORDANCE WITH N.J.S.A. 19:44 A-20.4 ET SEQ TO MOTT MACDONALD, LLC, 111 WOOD AVENUE SOUTH, ISELIN, NEW JERSEY 08830 FOR PROFESSIONAL ENGINEERING SERVICES FOR THE DISINFECTANT BY-PROJECTS (DBP'S) REDUCTION PLAN EVALUATION AND RECOMMENDATIONS/PLAN TO REDUCE THE FORMATION IN AN AMOUNT NOT TO EXCEED \$80,450.00 -RFP2019-01

WHEREAS, the City has a need for Professional Engineering Services for the Disinfectant By-Projects (DBP's) Reduction Plan Evaluation and Recommendation/Plan to Reduce the Formation for a Period of One (1) Year for the City of Trenton, Department of Water & Sewer; and

WHEREAS, a Request for Proposal was advertised and three (3) proposals were received on January 3, 2019, and were evaluated by a committee based on criteria that included experience, understanding of requirements and cost; and

WHEREAS, the proposal of Mott MacDonald, LLC, 111 Wood Avenue South, Iselin, New Jersey 08830 was deemed to include the necessary qualifications and expertise for the performance of the services at the rates listed in the proposal; and

WHEREAS, funds in an amount not to exceed \$80,450.00 have been certified to be available in account number(s): 09-05- -55-5500-899.

NOW, THEREFORE IT IS RESOLVED, by the City Council of the City of Trenton, as follows:

1. The Mayor is hereby authorized to enter into a contract with Mott MacDonald, LLC, 111 Wood Avenue South, Iselin, New Jersey 08830 for Professional Engineering Services for the Disinfectant By-Projects(DBP's) Reduction Plan Evaluation and Recommendation/Plan to Reduce the Formation in an amount not to exceed \$80,450.00 for a period of one (1) year for the City of Trenton, Department of Water & Sewer.
2. This contract is awarded pursuant to the authority set forth in the Local Public Contracts Law at N.J.S.A. 40A:11-5.
3. A notice of this action shall be printed once in the official newspaper for the City of Trenton and the Resolution and contract shall remain on file in the City Clerk's Office.

	Aye	Nay	Abstain	Absent		Aye	Nay	Abstain	Absent		Aye	Nay	Abstain	Absent
BLAKELEY	<input checked="" type="checkbox"/>				MUSCHAL				<input checked="" type="checkbox"/>	MCBRIDE	<input checked="" type="checkbox"/>			
CALDWELL	<input checked="" type="checkbox"/>				RODRIGUEZ	<input checked="" type="checkbox"/>								
WILSON	<input checked="" type="checkbox"/>				VAUGHN	<input checked="" type="checkbox"/>								
HARRISON	<input checked="" type="checkbox"/>													

This Resolution was adopted at a Meeting of the City Council of the City of Trenton on

MAR 07 2019

[Signature]
President of Council

[Signature]
City Clerk

PROFESSIONAL SERVICES CONTRACT

**RFP2019-01
RESOLUTION 19-108**

THIS CONTRACT, made this **8TH** day of **MARCH 2019** by and between the **CITY OF TRENTON, 319 EAST STATE STREET, TRENTON, NEW JERSEY 08608** a Municipal Corporation of the State of New Jersey, ("City") and **MOTT MACDONALD, LLC, 111 WOOD AVENUE SOUTH, ISELIN, NEW JERSEY 08830** ("CONTRACTOR").

WHEREAS, the City has a need to **PROFESSIONAL ENGINEERING SERVICES FOR THE DISINFECTANT BY-PROJECTS (DBP'S) REDUCTION PLAN EVALUATION AND RECOMMENDATIONS/PLAN TO REDUCE THE FORMATION** for the City of Trenton, Department of Water & Sewer.

WHEREAS, Contractor agrees to provide **PROFESSIONAL ENGINEERING SERVICES FOR THE DISINFECTANT BY-PROJECTS (DBP'S) REDUCTION PLAN EVALUATION AND RECOMMENDATIONS/PLAN TO REDUCE THE FORMATION** for the City of Trenton, Department of Water & Sewer in accordance with the terms and conditions as set forth hereinafter, and the City being agreeable thereto;

NOW THEREFORE, the parties mutually agree as follows:

PROFESSIONAL ENGINEERING SERVICES FOR THE DISINFECTANT BY-PROJECTS (DBP'S) REDUCTION PLAN EVALUATION AND RECOMMENDATIONS/PLAN TO REDUCE THE FORMATION The City agrees to retain **MOTT MACDONALD, LLC, 111 WOOD AVENUE SOUTH, ISELIN, NEW JERSEY 08830** ("the request of and under the general supervision of the City of Trenton, Department of Water & Sewer.

1. SCOPE OF SERVICES

SEE ATTACHED SCOPE OF SERVICES

DURATION OF THE CONTRACT:

This contract shall remain in full force and effect for a period of one (1) year from March 8, 2019 to March 7, 2020 in an amount not to exceed \$80,450.00.

- 2. STATUS OF CONTRACTOR:** It is expressly understood by and between the parties hereto that the status of the Contractor retained to carry out the services set forth in this agreement is that of an Independent Contractor. It is further understood by and between the parties that is not intended nor shall it be construed, that the contractor is an agent, employee, or officer of the City of Trenton.
- 3. NOTICES:** Any notices required to be delivered to either party pursuant to this Contract shall be in writing to their respective addresses. The parties shall be responsible for notifying each other of any change of address.
- 4. INTEGRATION:** **Resolution #19-108** and this contract constitutes the entire agreement between the parties and any representation that may have been made prior to the execution of this Contract are nonbonding, void, and of no effect and neither party has relied on any such prior representations in entering into this Contract with the City of Trenton, Department of Water & Sewer.

5. **ENFORCEABILITY:** If any term or condition of this Contract or its application to any party or circumstances shall be deemed invalid or unenforceable, the remainder of the Contract and its application to other parties and circumstances shall not be affected.
6. **GOVERNING LAW:** This Contract shall be governed by the laws of the State of New Jersey.
7. **MISCELLANEOUS PROVISIONS:**
 - a. Contractor, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, sex, gender identity or expression, affectional or sexual orientation, disability or nationality . Contractor will take affirmative action to ensure that such applicants are recruited and employed and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, sex, affectional, gender identity or expression, sexual orientation. Such action shall include, but is not limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause;
 - b. Contractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, sex, gender identity or expression, affectional or sexual orientation.
 - c. Contractor, where applicable, agrees to comply with the regulations promulgated by the Treasurer pursuant to P.L. 1975, c. 127, as amended and supplemented from time to time and the American with Disabilities Act.
 - d. Contractor, where applicable, agrees to attempt to schedule minority and female workers consistent with the applicable county employment goals prescribed by N.J.A.C. 17:27-5.2 promulgated by the Treasurer pursuant to P.L. 1975, c. 127, as amended and supplemented from time to time or in accordance with a binding determination of the applicable county employment goals determined by the Affirmative Action Office pursuant to N.J.A.C. 17:27-5.2, amended and supplemented from time to time.
 - e. Contractor, where applicable, agrees to inform in writing appropriate recruitment agencies in the area, including employment agencies, placement bureaus, colleges, universities, labor unions that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, sex, gender identity or expression, affectional, sexual orientation, disability or nationality and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.
 - f. Contractor, where applicable, agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, sex, gender identity or expression, affectional, sexual orientation, disability or nationality. Contractor will conform these employment goals consistent with statutes and court decisions of the State of New Jersey, and applicable Federal law and Federal court decisions.

- g. Contractor, where applicable, shall furnish such reports or other documents to the Affirmative Action Office as may be requested by the office from time to time in order to carry out the purposes of these regulations. Contractor shall furnish such information as may be requested by the Affirmative Action Office for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code (N.J.A.C. 17:27).
- h. Contractor, shall submit along with the signed contract one of the following as evidence of compliance with N.J.A.C. 17-27:
 - 1. Appropriate evidence that the Independent contractor is operating under an existing Federally approved or sanctioned affirmative action program.
 - 2. A certificate of employee information report approval issued in accordance with N.J.A.C. 17:27-4.
 - 3. An initial employee information report (Form AA#302) provided by the Affirmative Action Office and completed by the contractor in accordance with N.J.A.C. 17:27-4


 MOTT MACDONALD, LLC,
 111 WOOD AVENUE SOUTH
 SESELIN, NEW JERSEY 08830

4/18/19
 DATE

Seal: _____


Attest: 
 MARK O'CONNOR
 ASS'T. SECRETARY

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year above written.

ATTEST:

 DWAYNE M. HARRIS
 MUNICIPAL CLERK

3/29/19
 DATE

CITY OF TRENTON

 W. REED GUSCIORA, ESQ.
 MAYOR

3-27-19
 DATE

II. SCOPE OF WORK

The Trenton Water Works is seeking qualified engineering company to evaluate the current water treatment process and distribution system and make recommendations/plans to reduce the formation of Disinfectant By Products in the delivered water.

1. The Engineering Company shall submit a preliminary report within 150 calendar days for review and corrections and the final report within 180 calendar days from issuance of purchase order for this RFP by the Trenton City, Department of Water and Sewer.
2. Six (6) copies of the final report along with an electronic copy shall be submitted to the Department of Water and Sewer.
3. Review the results of DBP data collected by Trenton Water Works for 2017 and 2018 and if needed collect additional data.
4. Evaluate the operation of the water treatment process and distribution system in relation to the formation of DBPs.
5. Evaluate the permanganate oxidation process including the point of application to determine the effectiveness of the treatment. Evaluate whether moving the point of application will have any impact, especially on the effluent from the Mechanical Dewatering Facility.
6. Evaluate the use of Ozone or Chlorine Dioxide as alternate pre-oxidants in place of Potassium Permanganate to remove the precursors.
7. Evaluate the impact of air scoring system installed on filters.
8. Evaluate whether the use of Chloramines instead of Chlorine will reduce DBPs.
9. Evaluate the Central Pumping Zone in the Distribution System and the need for three tanks.
10. Evaluate the individual chemicals comprising the DBP results to determine which specific chemicals are most significant contributors to the total results and evaluate specific treatment changes that can be made to mitigate their creation.
11. Make recommendations on the change of treatment process that will help reduce DBP formations.
12. Make recommendations on the use of Ozone or Chlorine Dioxide.
13. Make recommendations on the use of Chlorine Dioxide.
14. Final draft recommendations due in 180 calendar days must include specific plans to be undertaken to reduce the DBPs in the delivered water. As part of the recommendations, consider and explain the implications on simultaneous compliance with the Safe Drinking Water Act regulations including, but not limited to Lead and Copper Rule, Total Coliform Rule and Surface Water Treatments Rule, of all options considered.