

NIAGARA FALLS WATER BOARD



REQUEST FOR PROPOSALS (“RFP”) NO. 2023-01

Water Treatment Plant Fluoride System Assessment

**Deadline for Sealed Proposal Submissions:
Wednesday, January 25th, 2023 by 1:00 p.m. EST**

A mandatory pre-proposal information session and site visit will be conducted at the Water Treatment Plant, 5815 Buffalo Avenue, Niagara Falls, NY 14304 **on Wednesday, January 11th, 2023 at 9:00 a.m.**

The deadline for receipt of written questions submitted to the Water Board’s contact, Douglas Williamson, P.E., (dwilliamson@nfwb.org), is **January 13th, 2023** at 5:00 p.m.

AUTHORIZED WATER BOARD CONTACT:

The Water Board’s designated contact person for this Request for Proposals is:

Douglas S. Williamson, P.E.
Director of Technical & Regulatory Services
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, New York 14304
(716) 283-9770 x 2290
dwilliamson@NFWB.org

To receive updates regarding this RFP, email the authorized Water Board contact with a copy to dwilliamson@nfwb.org to ask to be placed on the distribution list for RFP No. 2023-01.

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1. Introduction, Project Description, and Proposal Requirements

The Niagara Falls Water Board (“NFWB”) is issuing this request for proposals (“RFP”) seeking a qualified engineering consultant to develop an engineering report assessing the fluoride system at the NFWB water treatment plant (“WTP”) at 5815 Buffalo Avenue, Niagara Falls, New York. Improvements will allow for continued and safe introduction of fluoride into the water distribution system.

The water plant is the primary supplier of water to the City of Niagara Falls. The average daily delivered flow was 21.3 million gallons/day and maximum delivered flow was 26.1 million gallons/day in 2021 to approximately 50,000 people.

Existing WTP fluoride room drawings and specifications are attached as Appendix F. All feed equipment in the fluoride room is original from WTP construction in 1997. One motor and transfer pump have been replaced. The ventilation system is inadequate, which caused extensive corrosion within the room. All current equipment is functioning, but it has passed its normal life expectancy. There are no online/real time analyzers, so manual tests must be performed frequently to provide adequate dosages and maintain chemical residuals.

The chemical feed piping experiences failures due to age and brittleness of the material. The day tank and transfer pump also require frequent repairs. The bulk storage tank is a wood staved tank with a rubber chemical resistant liner. The liner is beyond its life expectancy. The liner manufacturer is in Canada, which complicates getting repair parts and service.

To complete the contemplated improvements to the fluoride system, a temporary storage and feed point will need to be established first. Once that is in place, the existing fluoride room will need to be refurbished. Chemical resistant surfaces, piping, and equipment will need to be procured and installed.

The engineering report will be an assessment of the existing equipment. It will make recommendations for a temporary storage and feed system. Alternative storage and feed methods will also be researched and a system recommended that will work best for the WTP.

To assist with report, the NFWB submitted an application to the NYS DOH Drinking Water Fluoridation Funding round, Component 1. The NFWB was awarded funding in February 2022 with an assigned project of number of T37250GG. Preparation of the report that the selected consultant will deliver as the final product of this RFP is to be per the NYS DOH program standards noted in the following pdf hyperlink. An excerpt from this pdf regarding report requirements is below.

https://www.health.ny.gov/funding/soi/18737_4.pdf

While there is no required format or outline for Engineering Reports, they should include the information discussed in Part 1 of the Recommended Standards for Water Works, 2018 Edition (RSWW). Engineers should exercise their judgment in determining if sections found in the RSWW are not applicable. Generally, engineering reports should outline the proposed project, the design issues considered, how the project will resolve the issue, ensure that it will meet required standards, and perform the expected function. They should also include a budget and schedule.

Once the report is complete, it will be submitted to NYS DOH for review and approval under the Drinking Water Fluoridation Funding program. Proposals must include time to coordinate with the Niagara County DOH for their endorsement of the proposed project scope /engineering report and with NYS DOH for any required revisions to the report.

The NFWB anticipates reviewing the proposals immediately and will seek to award this project at the NFWB's January 30, 2023 meeting. A draft report should be prepared within 90 days of contract execution, with the goal of receiving NYS DOH approval of the report in time for the NFWB to utilize the approved report to submit for Component 2 of the NYS DOH Drinking Water Fluoridation Funding at the earliest possible round to obtain funding for construction of recommended improvements in the report. Upon funding award, the NFWB will then issue a RFP to obtain services for the design and construction documents for bidding the project. Preparation of detailed design and construction documents is not part of the scope of work required by this RFP.

Proposers are encouraged to exercise creativity and innovation in crafting proposals. The Water Board seeks to procure efficient and effective services that add value for Water Board ratepayers. Sub-consultants, subcontracting, and/or joint ventures are permitted.

Proposals are to include, at a minimum, the following items:

- Situation understanding;
- Understanding of applicable regulations and standards;
- Project approach, scope, and project organization;
- Demonstrated experience on similar projects;
- Experience & qualifications of subconsultants/contractors;
- Specific experience of key project professionals;
- Schedule, effort and budget breakdown:
 - Schedules shall be in bar chart form, detailing specific tasks with a not exceed timeframe of 90 days for preparation of the draft engineering report..
 - Effort & budget shall be in a spreadsheet format using a task/hour estimate matrix with a not-to-exceed fee amount.

2. Additional Requirements

Except as otherwise may be agreed to in writing, the standard terms, conditions, and requirements set forth in Appendix A shall form a part of any contract between the Niagara Falls Water Board and a proposer that responds to this Request for Proposals ("RFP").

Complete all forms in Appendix A and return them with your proposal.

Consultants also must comply with the Environmental Facilities Corporation Mandatory State Revolving Fund Terms and Conditions attached hereto as Appendix D.

Complete the EFC Equal Employment Opportunity Policy Statement form attached as Appendix E and return it with your proposal.

3. Timetable and Term

The timetable for proposal submission, a **mandatory** pre-proposal meeting, and for submission of written questions is set forth on the cover page for this RFP. A list of proposals received by the deadline will be posted to the NFWB's website at <https://nfwb.org/reports/procurements/>.

4. Opportunities for Minority and Women-Owned Business Enterprises (“MWBE”)

NYS DOH, the grant funding source, has determined that a Minority Owned Business Sub-Contracting Goal of **15%** and a Women Owned Business Sub-Contracting Goal of **15%** apply to this project. Required forms and Water Board MWBE program requirements and procedures are made part of this RFP as Appendix B, and the selected consultant also must comply with the NYS DOH requirements and complete the forms attached as Appendix C. Waiver requests, if any, with proper documentation of good-faith efforts, should be submitted with proposals.

5. Participation Opportunities for New York Certified Service-Disabled Veteran-Owned Businesses

Article 17-B of the New York State Executive Law provides for more meaningful participation in public procurement by certified Service-Disabled Veteran-Owned Businesses (“SDVOBs”), thereby further integrating such businesses into New York State’s economy. The NFWB recognizes the need to promote the employment of service-disabled veterans and to ensure that certified service-disabled veteran-owned businesses have opportunities for maximum feasible participation in the performance of NFWB contracts.

In recognition of the service and sacrifices made by service-disabled veterans and in recognition of their economic activity in doing business in New York State, Bidders/Contractors are strongly encouraged and expected to consider SDVOBs in the fulfillment of the requirements of the Contract. Such participation may be as subcontractors or suppliers, as protégés, or in other partnering or supporting roles.

For purposes of this procurement, **the grant funding source NYS Department of Health has assigned a 0% SDVOB sub-contracting goal.** Nevertheless, Bidder/Contractor is encouraged to make good faith efforts to promote and assist in the participation of SDVOBs on the Contract for the provision of services and materials. The directory of New York State Certified SDVOBs can be viewed at: <https://ogs.ny.gov/veterans/>

Bidder/Contractor is encouraged to contact the Office of General Services’ Division of Service-Disabled Veteran’s Business Development at 518-474-2015 or VeteransDevelopment@ogs.ny.gov to discuss methods of maximizing participation by SDVOBs on the Contract.

6. RFP Updates

The NFWB may, in its sole discretion, withdraw or modify this RFP in whole or in part, and may issue addenda in writing. The NFWB will use its best efforts to post updates to: <https://nfwb.org/reports/procurements/>. However, **to be certain to receive timely updates regarding this RFP, you must email the authorized NFWB contact to ask to be placed on the distribution list for RFP No. 2023-01.**

7. Evaluation Criteria

Proposals shall be examined and evaluated to determine whether the proposals meet the requirements of this RFP. The contract will be awarded based on the following criteria:

1. Situational understanding (20 points);
2. Demonstrated experience, capabilities, and qualifications (40 points);
3. Completeness of the proposal (20 points); and
4. Total proposed cost (20 points).

Proposing firms may be invited to present to the Water Board or to NFWB staff and will be expected to provide prompt responses to questions and inquiries submitted through the designated NFWB contact.

RFP Dated: January 5, 2023

APPENDIX A

NFWB RFP Standard Terms, Conditions, and Requirements

APPENDIX A

NFWB REQUEST FOR PROPOSALS (“RFP”) STANDARD TERMS, CONDITIONS, AND REQUIREMENTS

Except as otherwise may be agreed to in writing, the following standard terms, conditions, and requirements shall form a part of any contract between the Niagara Falls Water Board and a proposer that responds to the Request for Proposals (“RFP”):

A. Statement of Qualifications

Proposers must submit a statement of qualifications that provides a description of proposer’s business structure, licensing, years in business, any experience with providing similar services along with the project description (including contact information for references), locations, description of key personnel for this project, and any other pertinent information that will help to demonstrate proposer’s qualifications to perform. The statement of qualifications must also include the following:

1. Any other names under which proposer has done business in the past 10 years;
2. List all subsidiary and parent companies;
3. State whether proposer ever has been:
 - Debarred or suspended by any government entity from entering contracts with it;
 - Found not responsible by any government entity;
 - Declared in default or terminated for cause from any contract, or had any contract cancelled for cause; or
 - Required to pay liquidated damages on a contract.
4. State whether proposer has filed for bankruptcy or been the subject of an involuntary bankruptcy proceeding; and
5. State whether proposer has been a party to any legal action or government investigation related to proposer’s business practices, or alleging that any of proposer’s agents or employees committed any act of fraud, collusion, bid rigging, price fixing, or bribery. If proposer, any of proposer’s principals, or any of proposer’s agents has pleaded guilty or entered into a consent order in connection with respect to any of these, provide details.

B. General Conditions of RFP

The issuance of this RFP does not commit the Water Board to award a contract or to pay any costs incurred by proposers in the preparation of proposals or for any work performed in connection therewith. In addition, the Water Board reserves the following rights:

1. To postpone or cancel this RFP;
2. Reject any or all proposals received in response to this RFP;
3. Award a contract without any discussion with proposers;
4. Retain a successful proposer for only a portion of the scope of services;
5. Accept a proposal other than the proposal offering the lowest price;
6. Waive or modify any irregularities in proposals received;
7. Consider proposals or modifications received at any time before the award is made, if such is in the best interest of the Board;
8. Request clarification and/or additional information from the proposers during the evaluation process; and

9. Utilize any and all ideas submitted in the proposals received, unless those ideas are covered by legal patent or proprietary rights and the patent or proprietary rights are clearly and specifically set forth in the proposal.

C. Proposal Firm and Irrevocable for 90 Days

A signed proposal shall be considered a firm offer on the part of the proposer, and the Water Board may insist on the strict performance of all elements of the proposal, unless the Water Board specifically waives a proposal element in writing during negotiations. By submitting a proposal, proposer agrees that its offer is firm for a period of 90 days from the deadline for proposal submissions, as may be amended or extended by way of an addendum to this RFP.

D. Oral Presentations or Interviews

Prior to award, one or more proposers may, in the sole discretion of the Niagara Falls Water Board, be invited to offer a presentation to Water Board staff and/or to the Board of Directors. The authorized Water Board contact will schedule the time and location of these presentations. Proposer shall bear all of its own costs for any such presentations or interviews.

E. Contract Negotiations

Upon selection, the successful proposer may be invited to negotiate a contract with the Water Board, though the Water Board reserves the right to award a contract on the basis of the initial offers received, without discussions. Therefore, each initial offer should contain the proposer's best terms from a technical and cost standpoint.

The Water Board reserves the right to enter into discussions/negotiations with one or more proposers and to request the submission of best and final offers from those proposers, who after the conclusion of such discussions/negotiations, still are under consideration for award. No proposer shall have any rights against the Water Board arising from an invitation to enter into discussions/negotiations or to submit a best and final offer.

Unless otherwise agreed, the contents of the selected proposal and any modifications agreed upon in writing during negotiations, together with the RFP, will be incorporated into and made part of the final contract. Should negotiations fail to result in a signed contract within a reasonable period of time as defined by the Water Board, the Water Board reserves the right to terminate negotiations and select another proposer, issue a new RFP, or take any other action consistent with the best interests of the Water Board.

F. Exceptions to RFP

The contract to be entered into shall include the requirements of this RFP among its terms and conditions, with such changes to which the Water Board may agree. Submission of a proposal constitutes consent to these terms and conditions. Any exceptions must be explicitly stated in the proposal and separately listed in a separate attachment to the body of the proposal entitled "Exceptions." Failure to list exceptions separately in the "Exceptions" attachment shall be deemed to constitute consent to all such terms and conditions herein and shall constitute a binding waiver by the proposer of all exceptions not listed. A general exception or reservation to the legal or technical terms and conditions shall be deemed a nullity and may also result in the Water Board rejecting the proposal as non-responsive.

G. Rely Only Upon Formal Information

1. The Water Board shall not be bound by any oral or written information released prior to the issuance of the RFP.
2. The Water Board shall not be bound by any oral or written representations, statements, or explanations other than those made herein, in Water Board written responses to proposer inquiries, or in formal written addenda to this RFP.

H. Questions Regarding the RFP

1. All inquiries regarding this RFP shall be emailed to the authorized Water Board contact by the date and time indicated on the cover page of this RFP. The subject line for such inquiries should indicate the RFP name and number.
2. Compiled questions and responses usually will be posted on the Water Board's website at <https://nfwb.org/reports/procurements/> on or after the date indicated on the cover page of the RFP, but to receive these responses as early as possible, you must email the authorized Water Board contact to ask to be placed on the distribution list for this RFP.

I. Addenda to the RFP

3. The Water Board shall issue responses to inquiries related to substantive issues and any other corrections or amendments to the RFP that it deems necessary prior to the proposal due date in the form of written addenda. Such addenda usually will be posted on the Board's website: <https://nfwb.org/reports/procurements/>, and the Water Board will use its best efforts to send copies to those who have asked to be placed on the distribution list for this RFP.
4. It is the proposer's responsibility to assure receipt of all addenda. The proposer should verify with the authorized Water Board contact prior to submitting a proposal that all addenda have been received. Proposers shall acknowledge the number of addenda received as part of their proposals using this Appendix's Form No. 1.

J. Proposal Package Submission Requirements

1. Proposal packages are due on or before the proposal due date and time at the location set forth on the cover page of this RFP.
2. Proposers shall deliver one (1) clearly marked original and six (6) copies of the proposal package. To prevent waste, proposers are encouraged to print and/or copy responses on both sides of the page.
3. One (1) electronic copy of the complete proposal package also is required, on CD or USB drive. The preferred method is PDF conversion from the proposer's source files rather than simply scanning the proposal documents (to minimize file size and maximize quality), though scanned documents are acceptable. The electronic copy of the proposal should be provided as one document with the pages in the same order as the paper original. If this is not possible, the electronic copy files should be named in a way so that they can be read in the same order as the paper original (e.g., naming the files "Proposal Part 1," "Proposal Part 2," etc.).
4. Only one original copy of each of the appendices requiring a signature is required, which may be submitted only as part of the paper original proposal and need not be included in the electronic copy of the proposal.
5. The sealed outer envelope enclosing any materials submitted in response to this RFP shall be addressed to the Water Board contact set forth on the cover page of this RFP.

The outer envelope containing the proposal materials must clearly indicate the proposer's name and address, and must clearly be marked with the RFP number and title from the cover page of the RFP.

6. Proposals may be hand delivered. Proposers shall be responsible for informing any commercial delivery service, if used, of all delivery requirements and for ensuring that the information required in item "5" above, appears on the outer envelope used by such service.

K. Personnel

If awarded a contract, proposer agrees to provide adequate and competent personnel to fulfil its contractual obligations, with said personnel having the necessary licensing, education, training, and experience in the specialties that are necessary to perform proposer's obligations. Proposer agrees that its personnel, including sub-contractors, shall comply with any credentialing, security, badge, orientation, safety, or other requirements, procedures, or protocols as the Water Board may from time-to-time establish.

L. Insurance

Proposer shall be required to procure and maintain at its own expense and without expense to the Niagara Falls Water Board, insurance for liability for damages imposed by law, of the kinds and amounts hereinafter provided, from insurance companies authorized to do business in the State of New York covering all operations under any contract that results from this RFP, whether performed by the proposer or its subcontractors. Before proceeding with any work under the contract that may result from this proposal, the successful proposer shall furnish to the Niagara Falls Water Board Certificate of Insurance form(s) and relevant insurance policy declarations and endorsements satisfactory to the Water Board exhibiting compliance with this paragraph and providing that the policies shall not be changed or canceled until thirty (30) days written notice has been given to the Niagara Falls Water Board. The types and limits of insurance shall be as follows:

1. Workers Compensation as required by Law (submit Form C-105.2);
2. Disability Benefits as required by Law (submit Form DB-120.1);
3. Employer's Liability with a minimum limit of \$100,000;
4. Commercial General Liability insurance: Bodily, Personal Injury, and Property Damage Liability limits each of at least \$1,000,000 per occurrence/\$2,000,000 aggregate, which shall include the following coverages:
 - a. Owner's Protective Liability
 - b. Premises – Operations
 - c. Broad Form Contractual
 - d. Independent Contractor and Sub-Contractor
 - e. Products and Completed Operations
5. Automobile Liability: \$1,000,000 single limit; and
6. Umbrella/Excess Liability: A minimum of \$5,000,000 on a per occurrence and aggregate basis; this shall be in excess of primary general, automobile and employer's liability limits.

7. Professional Liability/Errors and Omissions: \$2,000,000 (identified as a claim made or an occurrence policy) (required only if professional services are to be performed pursuant to the contract).

Certificates, declarations, and endorsements should be made to the Niagara Falls Water Board, 5815 Buffalo Avenue, Niagara Falls, NY 14304.

The Niagara Falls Water Board, the Niagara Falls Public Water Authority, and the City of Niagara Falls, New York shall be named as an Additional Insureds, for both Ongoing and Completed Operations on a primary and non-contributory basis, on the Liability (General Liability, Auto Liability and Excess Liability) Policies (except for professional liability) with the following provision: The insurance company or companies issuing the policies shall have no recourse against the Niagara Falls Water Board or the Niagara Falls Public Water Authority for payment of any premiums or for assessments under any form of policy.

In the event that the proposer requires any subcontractor to procure insurance with regard to any of the operations under the contract resulting from this RFP and requires such subcontractor to name the proposer as an additional insured under such insurance, the proposer shall ensure that such policy names the Water Board, Niagara Falls Public Water Authority, and their officers and employees as additional insureds.

M. Indemnification and Waiver of Subrogation

The successful proposer, to the full extent permissible by New York law, must agree to indemnify and hold the Niagara Falls Water Board, its Directors, Officers, and Employees harmless against all loss, cost, or damage, on account of injury to person or damage to property as a result of any action or inaction of the proposer or its representatives or agents or subcontractors in performance of the contract resulting from this RFP and against all fines, penalties any other losses which the Niagara Falls Water Board shall be obliged to pay or incur in connection with the performance of the work under the contract.

The successful proposer also must agree to waive all rights against the Water Board, including its officials and employees, for any damages or losses that are covered under any insurance required by this appendix or in the resulting contract, or any other insurance applicable to the operations of the proposer and/or its subcontractors in the performance of the contract.

N. Coordination and Cooperation with Third Parties

Proposer agrees and acknowledges that if the contract calls for work on Water Board property, there may be other ongoing projects on site for all or part of proposer's performance. The Water Board or its representative will take reasonable steps to avoid any conflicts between work performed by proposer and any third party, but proposer shall be responsible for actively communicating and cooperating with the Water Board's representative and any third party, including but not limited to other contractors or subcontractors of the Water Board, as necessary to ensure coordination of performance of services.

O. Safety and Site-Specific Safety Plan

Proposer shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work to be performed by proposer,

and shall take all necessary precautions for the safety and protection of all persons who may be affected by the work of proposer or its subcontractors. If requested by the Water Board, prior to the commencement of work, proposer agrees that it shall submit to the Water Board or its representative copies of a Safety Program and Site-Specific Health & Safety Plan. The Safety Program shall describe proposer's overall safety policy, regulatory compliance plan, and applicable safety standards. The Site-Specific Health & Safety Plan shall identify the project work scope, contain a safety hazard analysis for the associated contract tasks, and include the following:

- specific safety procedures appropriate and necessary to complete the work;
- personal protective equipment to be used by proposer or its subcontractors for associated project tasks;
- documentation that proposer and its subcontractors are in compliance and current with required OSHA training; and
- a description of the frequency and types of air monitoring, personnel monitoring and instrumentation to be used, if any.

The proposer's equipment and method of operation shall be in full compliance with OSHA Standards and satisfy all Federal, State and Local Health & Safety regulations. The Water Board may but is not obligated to provide proposer with comments on the Safety Program and Site-Specific Health & Safety Plan, but in no event does the Water Board assume responsibility for the adequacy or completeness of these plans or for adherence by proposer or proposer's subcontractors to the same.

P. Independent Contractor and Identification of Subcontractors

The successful proposer and its employees will operate as an independent contractor and are not considered Water Board employees. Proposer must identify its subcontractors, if any, in its proposal, but award of a contract shall not create any relationship between the subcontractors and Water Board, and proposer shall be responsible for the entire contract. The Water Board shall have the right to reject any proposed subcontractors.

Q. Successors and Assigns

Any contract resulting from this RFP shall inure to the benefit of and be binding upon the legal representatives and successors of the parties, respectively, but the successful proposer may not assign the contract without the Water Board's written permission.

R. Freedom of Information Law – Claim of Confidential, Proprietary, or Trade Secret Information

The Water Board is subject to the provisions of the Freedom of Information Law ("FOIL"), N.Y. Public Officers Law, Sections 84 through 90, relating to public access to agency records. The proposer shall specifically identify any portions of the documents submitted with the proposal deemed to be confidential, proprietary information, or trade secrets and provide any justification why such material, upon request, should not be disclosed by the Water Board. The top of each page containing such information must be clearly marked in bold type **"PROPOSER BELIEVES THAT THIS INFORMATION IS PROTECTED FROM DISCLOSURE UNDER THE STATE FREEDOM OF INFORMATION LAW."** Such information deemed by the proposer to be confidential/proprietary shall be easily separable from the non-confidential/non-proprietary sections of the proposal.

The Water Board accepts no responsibility for disclosure of information designated as exempt from disclosure, but the Board does intend to evaluate, on a case-by-case basis, whether exemption from disclosure applies when a FOIL request is made to the Water Board for examination of such a document. Proposers should be aware that any and all terms of their respective proposals may be the subject of discussion at Board of Directors meetings that are open to the public.

S. Records

If awarded a contract, proposer shall establish and maintain complete and accurate books, records, documents, accounts and other evidence directly pertinent to performance under the contract (hereinafter, collectively, "the Records"). The Records must be kept for the balance of the calendar year in which they were made and for six (6) additional years thereafter. The State Comptroller, the Attorney General and any other person or entity authorized to conduct an examination, as well as the Water Board and its representatives, shall have access to the Records during normal business hours at an office of the proposer within the State of New York or, if no such office is available, at a mutually agreeable and reasonable venue within the State, for the term specified above for the purposes of inspection, auditing and copying. The Water Board shall take reasonable steps to protect from public disclosure any of the Records which are exempt from disclosure under Section 87 of the Public Officers Law (the "Statute") provided that: (i) the proposer shall timely inform an appropriate Water Board official, in writing, that said Records should not be disclosed; and (ii) said Records shall be sufficiently identified; and (iii) designation of said Records as exempt under the Statute is reasonable. Nothing contained herein shall diminish, or in any way adversely affect, the Water Board's right to discovery in any pending or future litigation.

T. Compliance with Breach Notification and Data Security Laws

Proposer agrees that if awarded a contract to perform work for the Water Board it shall comply with the provisions of the New York State Information Security Breach and Notification laws, General Business Law §§ 899-aa and 899-bb and State Technology Law § 208.

U. Prevailing Wage and Workforce Reporting

Proposer shall pay prevailing wages as required by law for any work performed for the Water Board in connection with this proposal, and per New York Executive Law and Executive Order Number 162, proposer and any of its subcontractors may be required to submit a quarterly Workforce Employment Utilization Report in the format provided by the Water Board reflecting the entirety of proposer and its subcontractors' workforces performing work on the contract and located within New York State, as well as the salaries of any such employees.

V. Payment Terms and Requirements

If awarded an agreement, proposer agrees to provide complete and accurate billing invoices to the Water Board on a monthly basis, and will comply with cover sheet requirements or other invoice submission procedures as the Water Board may from time to time require. Invoices submitted must contain sufficient information and documentation to support the charges submitted. Documentation may include time sheets, expense vouchers and any other supportive documentation requested by the Water Board or its representative. If proposer is in compliance with applicable prevailing wage laws and has satisfactorily completed all required Minority,

Women, and Disadvantaged Business Enterprise and Service-Disabled Veteran-Owned Business utilization and reporting requirements, payment shall be made monthly on the basis of invoices submitted by proposer, each payment to be due sixty (60) days after receipt of the invoice, unless the Water Board reasonably disputes some or all of the invoice.

W. Exemption from Sales Tax

The Water Board is exempt from state and local fees, taxes, franchise taxes, sales taxes or other excise taxes. Proposals shall not include any such taxes or fees.

X. Non-Discrimination and Prohibition Against Sexual Harassment

To the extent required by Article 15 of the Executive Law (also known as the Human Rights Law) and all other State and Federal statutory and constitutional non-discrimination provisions, the proposer will not discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin, sexual orientation, age, disability, or marital status. By submitting a proposal, proposer agrees that it shall submit an Equal Employment Opportunity (“EEO”) Policy Statement to the Water Board containing at a minimum the terms therefore as set forth in this Appendix’s Form No. 4.

By submission of this proposal, each proposer and each person signing on behalf of any proposer certifies, and in the case of a joint proposal each party thereto certifies as to its own organization, under penalty of perjury, that the proposer has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all of its employees. Such policy shall, at a minimum, meet the requirements of section two hundred one-g of the labor law. The proposal must include the Statement on Sexual Harassment form at this Appendix’s Form No. 5.

Y. Iran Divestment Act

By submitting a proposal in connection with this RFP or by assuming the responsibility of a contract awarded hereunder, proposer certifies in accordance with State Finance Law §165-a that it is not on the “Entities Determined to be Non-Responsive Bidders/Offerors pursuant to the New York State Iran Divestment Act of 2012” (“Prohibited Entities List”) posted at: <http://www.ogs.ny.gov/about/regs/docs/ListofEntities.pdf>. Proposer further certifies that it will not utilize in connection this contract any subcontractor that is identified on the Prohibited Entities List.

Z. International Boycott Prohibition

In accordance with Section 220-f of the Labor Law and Section 139-h of the State Finance Law, if this contract exceeds \$5,000, that by submitting a proposal or by assuming the responsibility of a contract awarded hereunder, proposer agrees, as a material condition, that neither the proposer nor any substantially owned or affiliated person, firm, partnership or corporation has participated, is participating, or shall participate in an international boycott in violation of the federal Export Administration Act of 1979 (50 USC App. Sections 2401 et seq.) or regulations thereunder. If proposer, or any of the aforesaid affiliates of proposer, is convicted or is otherwise found to have violated said laws or regulations upon the final determination of the United States Commerce Department or any other appropriate agency of the United States subsequent to the proposer’s execution, such contract, amendment or modification thereto shall

be rendered forfeit and void. The proposer shall so notify the State Comptroller within five (5) business days of such conviction, determination or disposition of appeal (2 NYCRR 105.4).

AA. MacBride Fair Employment Principles

In accordance with the MacBride Fair Employment Principles (Chapter 807 of the Laws of 1992), by submitting a proposal or by assuming the responsibility of a contract awarded hereunder the proposer hereby stipulates that the proposer either (a) has no business operations in Northern Ireland, or (b) shall take lawful steps in good faith to conduct any business operations in Northern Ireland in accordance with the MacBride Fair Employment Principles (as described in Section 165 of the New York State Finance Law), and shall permit independent monitoring of compliance with such principles.

BB. Prohibition on Purchase of Tropical Hardwoods

The proposer certifies and warrants that all wood products to be used under this contract award will be in accordance with, but not limited to, the specifications and provisions of State Finance Law §165 (Use of Tropical Hardwoods) which prohibits purchase and use of tropical hardwoods, unless specifically exempted, by the State or any governmental agency or political subdivision or public benefit corporation. Qualification for an exemption under this law will be the responsibility of the contractor to establish to meet with the approval of the State.

In addition, when any portion of this contract involving the use of woods, whether supply or installation, is to be performed by any subcontractor, the prime Contractor will indicate and certify in the submitted proposal that the subcontractor has been informed and is in compliance with specifications and provisions regarding use of tropical hardwoods as detailed in §165 State Finance Law. Any such use must meet with the approval of the State, otherwise, the proposal may not be considered responsive. Proof of qualification for exemption will be the responsibility of the Contractor to meet with the approval of the State.

CC. Conflicts of Interest and Prohibition on Political and Religious Activity

By submitting a proposal or by assuming the responsibility of a contract awarded hereunder, proposer stipulates that, upon information and belief, no member of the governing body of the Water Board, or officer or employee of the Water Board, forbidden by Law, is interested in, will derive benefit from, or will be a party to, the contract between proposer and the Water Board. Proposer warrants that no payment, gift, or thing of value has been or will be made, given, or promised any Director, Officer, or Employee of the Water Board, or any member of the immediate family of any Director, Officer, or Employee of the Water Board (spouse, parent, sister, brother, or child) to obtain this or any other agreement between the parties. Proposer agrees that its provision of services under any contract that may result from this RFP shall not include any partisan political activity or any activity to further the election or defeat of any candidate for public, political, or party office, nor shall any of the funds provided under any contract that may result from this RFP be used for such purposes. The proposer further agrees that if awarded an agreement as a result of this RFP, there shall be no religious worship, instruction, or proselytizing as part of or in connection with the proposer's provision of services under that contract, nor shall any of the funds provided under this agreement be used for such purposes.

DD. Non-Collusion

Proposer must submit a signed statement of non-collusion on the form that is this Appendix's Form No. 2.

EE. Communication with Water Board and Lobbying Law.

Proposers are advised that, from the date this RFP is issued until the award of the contract, no contact by proposers or their agents with the Water Board or Water Board personnel related to this RFP is permitted, except as shall be authorized by the authorized Water Board contact indicated on the cover page of this RFP.

Pursuant to State Finance Law Sections 139-j and 139-k, this RFP includes and imposes certain restrictions on communication between respondents and the Water Board during the procurement process. A respondent is restricted from making contacts from the date the RFP is issued through the final contract award by Water Board (the "Restricted Period"). During the Restricted Period, respondents may only contact the designated contact regarding this RFP. The designated contact is identified on the cover page of this RFP. Respondents are responsible for complying with State Finance Law Sections 139-j and 139-k. Directors, officers and employees of the Water Board are required to record certain information when contacted during the Restricted Period. A review of whether such contacts were permissible contacts will be considered in connection with any determination of responsibility of the respondent. Failure of any respondent to timely certify or to disclose accurate and complete information or the submission of any intentionally false or intentionally incomplete certification may result in the rejection of the contract award or if such contract has been executed, then the immediate termination of the contract. Violations may result in debarment of the respondent from proposing on or obtaining governmental procurement contracts in the State of New York.

Proposers are required to complete and return with their proposal this Appendix's Form No. 3, New York State Finance Law Sections 139-j and 139-k ("Lobbying Law") — Disclosure Statement.

FF. Waiver of Immunity

As a condition of any contract award, the proposer agrees, acknowledges, and accepts that pursuant to Public Authorities Law § 2875, upon the refusal by a person, when called before a grand jury, head of a state department, temporary state commission or other state agency, the organized crime task force in the department of law, head of a city department, or other city agency, which is empowered to compel the attendance of witnesses and examine them under oath, to testify in an investigation concerning any transaction or contract had with the state, any political subdivision thereof, a public authority or with any public department, agency or official of the state or of any political subdivision thereof or of a public authority, to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant question concerning such transaction or contract, (a) such person, and any firm, partnership or corporation of which he is a member, partner, director or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contracts with any public authority or official thereof, for goods, work or services, for a period of five years after such refusal, and (b) any and all contracts made with any public authority or official thereof, by such person and by any firm, partnership or corporation of which he is a member, partner, director or officer may be cancelled or terminated by the public authority without incurring any penalty or damages on account of such cancellation or termination, but

any monies owing by the public authority for goods delivered or work done prior to the cancellation or termination shall be paid.

GG. Termination

The following terms shall apply to any contract entered into as a result of this request for proposals:

1. For Cause: For a material breach that remains uncured for more than thirty (30) days or other specified period after written notice to the contractor, the contract may be terminated by the Water Board at the contractor's expense where contractor becomes unable or incapable of performing, or meeting any requirements or qualifications set forth in the contract, or for nonperformance, or upon a determination that contractor is nonresponsible. Such termination shall be upon written notice to the contractor. In such event, the Water Board may complete the contractual requirements in any manner it may deem advisable and pursue available legal or equitable remedies for breach.
2. For Convenience: By written notice, this contract may be terminated at any time by the Water Board for convenience upon thirty (30) days written notice and without penalty or other early termination charges due. Such termination of the contract shall not affect contractor's right to recover for any work performed or materials acquired under the contract prior to the date of such termination, provided that contractor cancels, prior to the effective date of the termination, as many outstanding obligations as possible and agrees not to incur any new obligations after receipt of the notice of termination without approval by the Water Board. If the contract is terminated pursuant to this subdivision, the Water Board shall remain liable for all accrued but unpaid charges incurred through the date of the termination. Contractor shall use due diligence and provide any outstanding deliverables.
3. For Violation of the Sections 139-j and 139-k of the State Finance Law: The Water Board reserves the right to terminate the contract in the event it is found that the certification filed by the contractor in accordance with Section 139-k of the State Finance Law was intentionally false or intentionally incomplete. Upon such finding, the Water Board may exercise its termination right by providing written notification to the contractor.

HH. Governing Law and Venue

These terms and conditions and the contract shall be governed by the laws of the State of New York. Each of the parties to these terms and conditions and the contract submits to the exclusive jurisdiction and venue of the State and Federal courts located in Niagara County, New York, or if the required Federal courts are not located in Niagara County, to the Federal courts located in Erie County, New York.

II. Service of Process and Notices

In addition to the methods of service allowed by the State Civil Practice Law & Rules ("CPLR"), proposer agrees that if awarded a contract it consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be complete upon proposer's actual receipt of process or upon the Water Board's receipt of the return thereof by the United States Postal Service as refused or undeliverable. Proposer must promptly notify the Water Board, in writing, of each and every change of address to which service of process can

be made. Service by the Water Board to the last known address shall be sufficient. Proposer will have thirty (30) calendar days after service hereunder is complete in which to respond. A copy of all notices to the Water Board shall be provided to: Legal Department, Niagara Fall Water Board, 5815 Buffalo Avenue, Niagara Falls, NY 14304.

JJ. No Waiver of Rights

No failure or delay (in whole or in part) on the part of either the Water Board or proposer to exercise any right or remedy pursuant to the terms and conditions herein shall impair its ability to later exercise any such right or remedy, operate as a waiver thereof, or affect any other rights or remedies that may be available under the law or in equity, except to the extent it causes actual prejudice to the other party. No waiver by either party of any covenant, condition, term or provision of the contract shall be deemed to have been made by that party unless such waiver is in writing and signed by an authorized representative of the party.

APPENDIX A, FORM No. 1

ACKNOWLEDGEMENT OF ADDENDA

RFP TITLE: _____
(Write the RFP No. and Title on the Line Above)

DIRECTIONS: Complete Part I or Part II, whichever is applicable.

PART I: LISTED BELOW ARE THE DATES OF ISSUE FOR EACH
ADDENDUM RECEIVED IN CONNECTION WITH THIS RFP:

ADDENDUM # 1: DATED _____ , 20__

ADDENDUM # 2: DATED _____ , 20__

ADDENDUM # 3: DATED _____ , 20__

ADDENDUM # 4: DATED _____ , 20__

ADDENDUM # 5: DATED _____ , 20__

ADDENDUM # 6: DATED _____ , 20__

PART II: _____ INITIAL HERE IF NO ADDENDUM WAS RECEIVED
IN CONNECTION WITH THIS RFP INITIAL HERE

DATE: ____/____/____

PROPOSER (SIGNATURE): _____

PROPOSER (NAME): _____

PROPOSER (FIRM): _____

APPENDIX A, FORM No. 2

CERTIFICATE OF NON-COLLUSION

Pursuant to New York State Public Authorities Law, Article 9, Title 4, Section 2878, the undersigned proposer hereby subscribes and affirms as true, under the penalties of perjury, the following statement of non-collusion:

By submission of this proposal, each proposer and each person signing on behalf of any proposer certifies, and in the case of a joint proposal each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his/her knowledge and belief:

- (1) The prices in this proposal have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other proposer or with any competitor;
- (2) Unless otherwise required by law, the prices which have been quoted in this proposal have not been knowingly disclosed by the proposer and will not knowingly be disclosed by the proposer prior to opening, directly or indirectly, to any other proposer or to any competitor; and,
- (3) No attempt has been made or will be made by the proposer to induce any other person, partnership, or corporation to submit or not to submit a proposal for the purpose of restricting competition.

DATE: ____/____/____

PROPOSER (SIGNATURE): _____

PROPOSER (NAME): _____

PROPOSER (FIRM): _____

STATE OF _____)
) ss.:
COUNTY OF _____)

On the ____ day of _____, 20____, before me, the undersigned, a Notary Public in and for said state, personally appeared _____ as a representative of _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the entity on behalf of which the individual acted executed the instrument.

Notary Public

APPENDIX A, FORM No. 3

NEW YORK STATE FINANCE LAW SECTIONS 139-j AND 139-k ("LOBBYING LAW") – DISCLOSURE STATEMENT

General Information

All procurements by the Niagara Falls Water Board ("NFWB") in excess of \$15,000 annually, are subject to New York State's State Finance Law Sections 139-j and 139-k, effective January 1, 2006 ("Lobbying Law").

Pursuant to the Lobbying Law, all "contacts" (defined as oral, written or electronic communications with the NFWB intended to influence a procurement) during a procurement - from the earliest notice of intent to solicit bids/proposals through final award and approval - must be made with one or more designated Point(s) of Contact only. Exceptions to this rule include written questions during the bid/proposal process, communications with regard to protests, contract negotiations, and RFP conference participation. Nothing in the Lobbying Law inhibits any rights to make an appeal, protest, or complaint under existing administrative or judicial procedures.

Violations of the policy regarding permissible contacts must be reported to the appropriate NFWB officer and investigated accordingly. The first violation may result in a determination of non-responsibility and ineligibility for award to the violator and its subsidiaries, affiliates and related entities. The penalty for a second violation within four (4) years is ineligibility for bidding/proposing on a procurement and/or ineligibility from being awarded any contract for a period of four (4) years. The NFWB will notify the New York State Office of General Services ("OGS") of any determinations of non-responsibility or debarments due to violations of the Lobbying Law. Violations found to be "knowing and willful" must be reported to the NFWB Executive Director and OGS.

Moreover, the statutes require the NFWB to obtain certain affirmations and certifications from bidders and proposers. This Disclosure Statement contains the forms with which offerors are required to comply, together with additional information and instructions.

Instructions

New York State Finance Law §139-k(2) obligates the NFWB to obtain specific information regarding prior non-responsibility determinations. In accordance with New York State Finance Law §139-k, an offerer must be asked to disclose whether there has been a finding of non-responsibility made within the previous four (4) years by any governmental entity due to: (a) a violation of New York State Finance Law §139-j or (b) the intentional provision of false or incomplete information to a governmental entity.

As part of its responsibility determination, New York State Finance Law §139-k(3) mandates consideration of whether an offerer fails to timely disclose accurate or complete information regarding the above non-responsibility determination. In accordance with law, no procurement contract shall be awarded to any offerer that fails to timely disclose accurate or complete information under this section, unless the factual elements of the limited waiver provision can be satisfied on the written record.

Disclosure of Prior Non-Responsibility Determinations

Name of Bidder/Proposer: _____

Address: _____

Name and Title of Person

Submitting this Form: _____

Has any governmental entity¹ made a finding of non-responsibility regarding the Bidder/Proposer in the previous four years?

_____ Yes _____ No

If yes: Was the basis for the finding of the Bidder's/Proposer's non-responsibility due to a violation of State Finance Law §139-j?

_____ Yes _____ No

Was the basis for the finding of Bidder's/Proposer's non-responsibility due to the intentional provision of false or incomplete information to a governmental entity?

_____ Yes _____ No

If yes to any of the above questions, provide details regarding the finding of non-responsibility below:

Governmental Entity: _____

Year of Finding of Non-responsibility: _____

Basis of Finding of Non-Responsibility (attach additional pages if necessary): _____

Has any governmental entity terminated or withheld a procurement contract with the Bidder/ Proposer due to the intentional provision of false or incomplete information?

_____ **Yes** _____ **No**

If yes, provide details regarding the termination/withholding below:

Governmental Entity: _____

Year of Termination/Withholding:_____

Basis for Termination/Withholding (attach additional pages if necessary):

[illegible]

NOTICE OF NFWB'S RIGHT TO TERMINATE

The NFWB reserves the right to terminate a Contract (including any lease, license, entry permit, or sale documents) in the event it is found that the certification filed by the Proposer, in accordance with New York State Finance Law §139-k, was intentionally false or intentionally incomplete. Upon such finding, the NFWB may exercise its termination right by providing written notification to the Bidder/Proposer in accordance with the written notification terms of the Contract.

Proposer's Affirmation and Certification

By signing below, the Proposer:

- a) Affirms that the Proposer understands and agrees to comply with the policy regarding permissible contacts in accordance with New York State Finance Law Sections 139-j and 139-k.
- b) Certifies that all information provided to the NFWB with respect to New York State Finance Law §139-j and §139-k is complete, true and accurate.

DATE: ____/____/____

PROPOSER (SIGNATURE): _____

PROPOSER (NAME): _____

PROPOSER (FIRM): _____

STATE OF _____)
) ss.:
COUNTY OF _____)

On the ____ day of _____, 20____, before me, the undersigned, a Notary Public in and for said state, personally appeared _____, as a representative of _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the entity on behalf of which the individual acted executed the instrument.

Notary Public

APPENDIX A, FORM No. 4

EQUAL EMPLOYMENT OPPORTUNITY (“EEO”) POLICY STATEMENT AND AGREEMENT

Proposer hereby agrees to the following EEO policy with respect to its work on any contract awarded in connection with this RFP:

- a) This organization will not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, age, disability or marital status, will undertake or continue existing programs of affirmative action to ensure that minority group members are afforded equal employment opportunities without discrimination, and shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on Niagara Falls Water Board (“Water Board”) contracts.
- b) This organization shall state in all solicitations or advertisements for employees that in the performance of the Water Board contract all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, disability or marital status.
- c) At the request of the Water Board, this organization shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, labor union, or representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status and that such union or representative will affirmatively cooperate in the implementation of this organization’s obligations herein.
- d) This organization shall comply with the provisions of the Human Rights Law, all other State and Federal statutory and constitutional non-discrimination provisions. Proposer and subcontractors shall not discriminate against any employee or applicant for employment because of race, creed (religion), color, sex, national origin, sexual orientation, pregnancy or pregnancy-related conditions, gender identity, familial status, military status, age, disability, predisposing genetic characteristic, marital status or domestic violence victim status, and shall also follow the requirements of the Human Rights Law with regard to non-discrimination on the basis of prior criminal conviction and prior arrest.
- e) This organization will include the provisions of section (a) through (d) of this agreement in every subcontract in such a manner that the requirements of the subdivisions will be binding upon each subcontractor as to work in connection with the Water Board contract.

ACCEPTED AND AGREED:

DATE: ____/____/____

PROPOSER (SIGNATURE): _____

PROPOSER (NAME): _____

PROPOSER (FIRM): _____

APPENDIX A, FORM No. 5

**STATEMENT ON SEXUAL HARASSMENT
PURSUANT TO STATE FINANCE LAW § 139-1**

By submission of this proposal, proposer(s) and each person signing on behalf of any proposer certifies, and in the case of a joint proposal each party thereto certifies as to its own organization, under penalty of perjury, that the proposer has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all of its employees. Such policy shall, at a minimum, meet the requirements of section two hundred one-g of the labor law.

DATE: ____/____/____

PROPOSER (SIGNATURE): _____

PROPOSER (NAME): _____

PROPOSER (FIRM): _____

STATE OF _____)
) ss.:
COUNTY OF _____)

On the ____ day of _____, 20____, before me, the undersigned, a Notary Public in and for said state, personally appeared _____ as a representative of _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the entity on behalf of which the individual acted executed the instrument.

Notary Public

APPENDIX A, FORM No. 6

**REQUEST FOR PROPOSALS
ACKNOWLEDGEMENT AND CERTIFICATION**

As a duly-authorized representative of the proposer indicated below, I hereby acknowledge that by submitting a proposal in connection with

_____,
(write RFP Number and Title)

proposer has made a firm offer and agrees to be bound by its terms. Proposer has carefully read the RFP and all addenda, and in submitting this proposal acknowledges proposer understands and agrees to be bound by the requirements set forth in the RFP, except as explicitly stated on a separate sheet attached to this proposal and entitled "Exceptions." Proposer agrees and understands that the terms and conditions set forth in the RFP addenda shall be incorporated into any contract or agreement awarded in connection with this RFP, and agrees to be bound by those terms and conditions.

I recognize that all information submitted is for the express purpose of inducing the Water Board to enter a contract with the submitting business entity. I affirm, under the penalties of perjury, that to the best of my knowledge the information contained in the proposal is full, complete, and truthful.

DATE: ____/____/____

PROPOSER (SIGNATURE): _____

PROPOSER (NAME): _____

PROPOSER (FIRM): _____

STATE OF _____)
COUNTY OF _____) ss.:

On the ____ day of _____, 20____, before me, the undersigned, a Notary Public in and for said state, personally appeared _____ as a representative of _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the entity on behalf of which the individual acted executed the instrument.

Notary Public

APPENDIX B

MWBE Policy and Procedures

Appendix B – MWBE Requirements and Procedures

PARTICIPATION BY MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISES: REQUIREMENTS AND PROCEDURES

I. General Provisions

- A. The Niagara Falls Water Board (NFWB) is required to implement the provisions of New York State Executive Law Article 15-A and Parts 140-145 of Title 5 of the New York Codes, Rules and Regulations (“NYCRR”) for all State contracts, as defined therein, with a value (1) in excess of \$25,000 for labor, services, equipment, materials, or any combination of the foregoing or (2) in excess of \$100,000 for real property renovations and construction.
- B. The contractor to the subject contract (the “Contractor” and the “Contract,” respectively) agrees, in addition to any other nondiscrimination provision of the Contract and at no additional cost to NFWB to fully comply and cooperate with NFWB in the implementation of New York State Executive Law Article 15-A and the regulations promulgated thereunder. These requirements include equal employment opportunities for minority group members and women (“EEO”) and contracting opportunities for New York State-certified minority and women-owned business enterprises (“MWBEs”). The Contractor’s demonstration of “good faith efforts” pursuant to 5 NYCRR § 142.8 shall be a part of these requirements. These provisions shall be deemed supplementary to, and not in lieu of, the nondiscrimination provisions required by New York State Executive Law Article 15 (the “Human Rights Law”) and other applicable federal, state, and local laws.
- C. Failure to comply with all of the requirements herein may result in a finding of non-responsiveness, non-responsibility and/or a breach of contract, leading to the assessment of liquidated damages pursuant to Section VII of this Appendix and such other remedies are available to NFWB pursuant to the Contract and applicable law.

II. Contract Goals

- A. Unless other goals have been set by this Contract, NFWB hereby establishes an overall goal of 30% for MWBE participation, 12% for New York State-certified minority-owned business enterprise (“MBE”) participation and 18% for New York State-certified women-owned business enterprise (“WBE”) participation (collectively, “MWBE Contract Goals”) based on the current availability of MBEs and WBEs.
- B. For purposes of providing meaningful participation by MWBEs on the Contract and achieving the MWBE Contract Goals established in Section II-A hereof, the Contractor should reference the directory of MWBEs at the following internet address:
<https://ny.newnycontracts.com>.

Additionally, the Contractor is encouraged to contact the Division of Minority and Women’s Business Development at (212) 803-2414 to discuss additional methods of maximizing participation by MWBEs on the Contract.

Appendix B – MWBE Requirements and Procedures

- C. The Contractor understands that only sums paid to MWBEs for the performance of a commercially useful function, as that term is defined in 5 NYCRR § 140.1, may be applied towards the achievement of the applicable MWBE participation goal. [FOR CONSTRUCTION CONTRACTS – The portion of a contract with an MWBE serving as a supplier that shall be deemed to represent the commercially useful function performed by the MWBE shall be 60% of the total value of the contract. The portion of a contract with an MWBE serving as a broker that shall be deemed to represent the commercially useful function performed by the MWBE shall be the monetary value for fees, or the markup percentage, charged by the MWBE]. [FOR ALL OTHER CONTRACTS - The portion of a contract with an MWBE serving as a broker that shall be deemed to represent the commercially useful function performed by the MWBE shall be 25% of the total value of the contract]
- D. The Contractor must document “good faith efforts,” pursuant to 5 NYCRR § 142.8, to provide meaningful participation by MWBEs as subcontractors and suppliers in the performance of the Contract. Such documentation shall include, but not necessarily be limited to:
1. Evidence of outreach to MWBEs;
 2. Any responses by MWBEs to the Contractor’s outreach;
 3. Copies of advertisements for participation by MWBEs in appropriate general circulation, trade, and minority or women-oriented publications;
 4. The dates of attendance at any pre-bid, pre-award, or other meetings, if any, scheduled by NFWB with MWBEs; and,
 5. Information describing specific steps undertaken by the Contractor to reasonably structure the Contract scope of work to maximize opportunities for MWBE participation.

III. Equal Employment Opportunity (“EEO”)

- A. The provisions of Article 15-A of the Executive Law and the rules and regulations promulgated thereunder pertaining to equal employment opportunities for minority group members and women shall apply to the Contract.
- B. In performing the Contract, the Contractor shall:
1. Ensure that each contractor and subcontractor performing work on the Contract shall undertake or continue existing EEO programs to ensure that minority group members and women are afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status. For these purposes, EEO shall apply in the areas of recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff, or termination and rates of pay or other forms of compensation.

Appendix B – MWBE Requirements and Procedures

2. The Contractor shall submit an EEO policy statement to NFWB within seventy-two (72) hours after the date of the notice by NFWB to award the Contract to the Contractor.
3. If the Contractor, or any of its subcontractors, does not have an existing EEO policy statement, NFWB may require the Contractor or subcontractor to adopt a model statement).
4. The Contractor's EEO policy statement shall include the following language:
 - a. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, age, disability, or marital status, will undertake or continue existing EEO programs to ensure that minority group members and women are afforded equal employment opportunities without discrimination, and shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force.
 - b. The Contractor shall state in all solicitations or advertisements for employees that, in the performance of the contract, all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.
 - c. The Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, labor union, or representative will not discriminate on the basis of race, creed, color, national origin, sex age, disability or marital status and that such union or representative will affirmatively cooperate in the implementation of the Contractor's obligations herein.
 - d. The Contractor will include the provisions of Subdivisions (a) through (c) of this Subsection 4 and Paragraph "E" of this Section III, which provides for relevant provisions of the Human Rights Law, in every subcontract in such a manner that the requirements of the subdivisions will be binding upon each subcontractor as to work in connection with the Contract.

C. Staffing Plan

To ensure compliance with this Section, the Contractor shall submit a staffing plan to document the composition of the proposed workforce to be utilized in the performance of the Contract by the specified categories listed, including ethnic background, gender, and Federal occupational categories. The Contractor shall complete the staffing plan form and submit it as part of their bid or proposal or within a reasonable time, as directed by NFWB.

D. Workforce Utilization Report

1. The Contractor shall submit a Workforce Utilization Report, and shall require each of its subcontractors to submit a Workforce Utilization Report, in such form as shall be required by NFWB on a MONTHLY basis during the term of the Contract. Due by

Appendix B – MWBE Requirements and Procedures

- the 10th day of each month to the Administrative Services Department.
2. Separate forms shall be completed by the Contractor and any subcontractors.
 3. Pursuant to Executive Order #162, contractors and subcontractors are also required to report the gross wages paid to each of their employees for the work performed by such employees on the contract on a quarterly basis.
- E. The Contractor shall comply with the provisions of the Human Rights Law, and all other State and Federal statutory and constitutional non-discrimination provisions. The Contractor and its subcontractors shall not discriminate against any employee or applicant for employment because of race, creed (religion), color, sex, national origin, sexual orientation, military status, age, disability, predisposing genetic characteristic, marital status or domestic violence victim status, and shall also follow the requirements of the Human Rights Law with regard to non-discrimination on the basis of prior criminal conviction and prior arrest.

IV. MWBE Utilization Plan

- A. The Contractor represents and warrants that the Contractor has submitted an MWBE Utilization Plan, or shall submit an MWBE Utilization Plan at such time as shall be required by NFWB, through the New York State Contract System (“NYSCS”), which can be viewed at <https://ny.newnycontracts.com>, provided, however, that the Contractor may arrange to provide such evidence via a non-electronic method to NFWB, either prior to, or at the time of, the execution of the contract.
- B. The Contractor agrees to adhere to such MWBE Utilization Plan in the performance of the Contract.
- C. The Contractor further agrees that failure to submit and/or adhere to such MWBE Utilization Plan shall constitute a material breach of the terms of the Contract. Upon the occurrence of such a material breach, NFWB shall be entitled to any remedy provided herein, including but not limited to, a finding that the Contractor is non-responsive.

V. Waivers

- A. If the Contractor, after making good faith efforts, is unable to achieve the MWBE Contract Goals stated herein, the Contractor may submit a request for a waiver through the NYSCS, or a non-electronic method provided by NFWB. Such waiver request must be supported by evidence of the Contractor’s good faith efforts to achieve the maximum feasible MWBE participation towards the applicable MWBE Contract Goals. If the documentation included with the waiver request is complete, NFWB shall evaluate the request and issue a written notice of approval or denial within twenty (20) business days of receipt.
- B. If NFWB upon review of the MWBE Utilization Plan, quarterly MWBE Contractor Compliance Reports described in Section VI, or any other relevant information, determines that the Contractor is failing or refusing to comply with the MWBE Contract

Appendix B – MWBE Requirements and Procedures

Goals, and no waiver has been issued in regards to such non-compliance, NFWB may issue a notice of deficiency to the Contractor. The Contractor must respond to the notice of deficiency within seven (7) business days of receipt. Such response may include a request for partial or total waiver of MWBE Contract Goals.

VI. Quarterly MWBE Contractor Compliance Report

The Contractor is required to submit a quarterly MWBE Contractor Compliance Report through the NYSCS, provided, however, that the Contractor may arrange to provide such report via a non-electronic method to NFWB by the 10th day following the end of each quarter during the term of the Contract.

VII. Liquidated Damages - MWBE Participation

- A. Where NFWB determines that the Contractor is not in compliance with the requirements of this Appendix and the Contractor refuses to comply with such requirements, or if the Contractor is found to have willfully and intentionally failed to comply with the MWBE participation goals, the Contractor shall be obligated to pay to NFWB liquidated damages.
- B. Such liquidated damages shall be calculated as an amount equaling the difference between:
 - 1. All sums identified for payment to MWBEs had the Contractor achieved the contractual MWBE goals; and
 - 2. All sums actually paid to MWBEs for work performed or materials supplied under the Contract.
- C. In the event a determination has been made which requires the payment of liquidated damages and such identified sums have not been withheld by NFWB, the Contractor shall pay such liquidated damages to NFWB within sixty (60) days after they are assessed. Provided, however, that if the Contractor has filed a complaint with the Director of the Division of Minority and Women's Business Development pursuant to 5 NYCRR § 142.12, liquidated damages shall be payable only in the event of a determination adverse to the Contractor following the complaint process.

MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISES – EQUAL EMPLOYMENT OPPORTUNITY POLICY STATEMENT

M/WBE AND EEO POLICY STATEMENT

I, _____, the (awardee/contractor) _____ agree to adopt the following policies with respect to the project being developed or services rendered at _____

M/WBE

This organization will and will cause its contractors and subcontractors to take good faith actions to achieve the M/WBE contract participations goals set by the State for that area in which the State-funded project is located, by taking the following steps:

- (1) Actively and affirmatively solicit bids for contracts and subcontracts from qualified State certified MBEs or WBEs, including solicitations to M/WBE contractor associations.
- (2) Request a list of State-certified M/WBEs from AGENCY and solicit bids from them directly.
- (3) Ensure that plans, specifications, request for proposals and other documents used to secure bids will be made available in sufficient time for review by prospective M/WBEs.
- (4) Where feasible, divide the work into smaller portions to enhanced participations by M/WBEs and encourage the formation of joint venture and other partnerships among M/WBE contractors to enhance their participation.
- (5) Document and maintain records of bid solicitation, including those to M/WBEs and the results thereof. The Contractor will also maintain records of actions that its subcontractors have taken toward meeting M/WBE contract participation goals.
- (6) Ensure that progress payments to M/WBEs are made on a timely basis so that undue financial hardship is avoided, and that bonding and other credit requirements are waived or appropriate alternatives developed to encourage M/WBE participation.

EEO

(a) This organization will not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, age, disability or marital status, will undertake or continue existing programs of affirmative action to ensure that minority group members are afforded equal employment opportunities without discrimination, and shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on state contracts.

(b) This organization shall state in all solicitation or advertisements for employees that in the performance of the State contract all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex disability or marital status.

(c) At the request of the contracting agency, this organization shall request each employment agency, labor union, or authorized representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status and that such union or representative will affirmatively cooperate in the implementation of this organization's obligations herein.

(d) The Contractor shall comply with the provisions of the Human Rights Law, all other State and Federal statutory and constitutional non-discrimination provisions. The Contractor and subcontractors shall not discriminate against any employee or applicant for employment because of race, creed (religion), color, sex, national origin, sexual orientation, military status, age, disability, predisposing genetic characteristic, marital status or domestic violence victim status, and shall also follow the requirements of the Human Rights Law with regard to non-discrimination on the basis of prior criminal conviction and prior arrest.

(e) This organization will include the provisions of sections (a) through (d) of this agreement in every subcontract in such a manner that the requirements of the subdivisions will be binding upon each subcontractor as to work in connection with the State contract

Agreed to this _____ day of _____, 2_____

By _____

Print: _____ Title: _____

_____ is designated as the Minority Business Enterprise Liaison
(Name of Designated Liaison)

responsible for administering the Minority and Women-Owned Business Enterprises- Equal Employment Opportunity (M/WBE-EEO) program.

M/WBE Contract Goals

_____% Minority and Women's Business Enterprise Participation

_____% Minority Business Enterprise Participation

_____% Women's Business Enterprise Participation

(Authorized Representative)

Title: _____

Date: _____



MWBE/SDVOB UTILIZATION PLAN

FORM A

Michael C. O' Laughlin
Municipal Water Plant
Attention: Rolfe Porter, Executive Director
5815 Buffalo Ave.
Niagara Falls, NY 14304

INSTRUCTIONS: This form must be submitted with any bid or proposed negotiated contract or within a reasonable time thereafter, but prior to contract award as required in the IFB or RFQ. This Utilization Plan must contain a detailed description of the supplies and/or services to be provided by each certified Minority and Women-owned Business Enterprise (MWBE) and Service Disabled Veteran Owned Business (SDVOB) under the contract. Attach additional sheets if necessary.

Contractor's Name, Address and Telephone No. Federal Identification No.	Contract No.: Contract Description (Construction, Construction Consultant, Commodities or Services/Technologies) & Location (Region):	MWBE or SDVOB Goals In Contract
		<div>MBE %</div> <div>WBE %</div> <div>SDVOB %</div>

Certified M/WBE or SDVOB Subcontractors/Suppliers Name, Address, Telephone No, E-mail Address	Federal ID. No.	NYS ESD CERTIFIED		Detailed description of Work (Attach additional sheets if necessary)	Dollar Value of Subcontracts/ supplies/ services and intended performance dates of each component of the contract
		MBE or WBE	SDVOB		
		<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>		

IF UNABLE TO FULLY MEET THE MBE, WBE AND SDVOB GOALS SET FORTH IN THE CONTRACT, CONTRACTOR MUST SUBMIT GOOD FAITH EFFORTS (GFE) DOCUMENTATION and A REQUEST FOR WAIVER FORM C UPON COMPLETION OF CONTRACT.

Submission of this form constitutes the contractor's acknowledgement and agreement to comply with the MWBE and SDVOB requirements set forth under NYS Executive Law, Article 15-A and 5 NYCRR Part 142. Failure to submit complete and accurate information may result in a finding of noncompliance or rejection of the bid/proposal and/or suspension or termination of the contract.

Prepared By (Signature)	Email Address	
Name and Title of Preparer (Print or Type)	Telephone No.	Date

FOR AGENCY USE ONLY

Reviewed By	Date			
Utilization Plan Approved <input type="checkbox"/> Yes <input type="checkbox"/> No	Date			
Contract No.	Project No. (If applicable)	Contract Award Date	Estimated Completion Date	Contract Amount Obligated

Notice of Deficiency Issued	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Date	Description of Work
Notice of Acceptance Issued	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Date	



REQUEST FOR WAIVER

FORM B

Niagara Falls Water Board
 Michael C. O' Laughlin Municipal Water Plant
 Attention: Rolfe Porter, Executive Director
 5815 Buffalo Ave.
 Niagara Falls, NY 14304

INSTRUCTIONS: See page 2 of this attachment for requirements and document submission instructions.										
Contractor's Name, Address and Telephone No. Federal Identification No.		Contract No.: Contract Description (Construction, Construction Consultant, Commodities or Services/Technologies) & Location (Region):		MWBE/SDVOB Goals In Contract <table> <tr> <td>MBE</td> <td>%</td> </tr> <tr> <td>WBE</td> <td>%</td> </tr> <tr> <td>SDOV</td> <td>%</td> </tr> </table>	MBE	%	WBE	%	SDOV	%
MBE	%									
WBE	%									
SDOV	%									
Contractor is requesting a: <input type="checkbox"/> MBE Waiver – A waiver of the MBE Goal for this procurement is requested. <input type="checkbox"/> Total <input type="checkbox"/> Partial <input type="checkbox"/> WBE Waiver – A waiver of the WBE Goal for this procurement is requested. <input type="checkbox"/> Total <input type="checkbox"/> Partial <input type="checkbox"/> SDVOB Waiver – A waiver of the SDVOB Goal for this procurement is requested. <input type="checkbox"/> Total <input type="checkbox"/> Partial										
IF UNABLE TO FULLY MEET THE MBE AND WBE GOALS SET FORTH IN THE CONTRACT, CONTRACTOR MUST SUBMIT GOOD FAITH EFFORTS (GFE) DOCUMENTATION and A REQUEST FOR WAIVER FORM C UPON COMPLETION OF CONTRACT.										
Submission of this form constitutes the contractor's acknowledgement and agreement to comply with the M/WBE requirements set forth under NYS Executive Law, Article 15-A and 5 NYCRR Part 142. Failure to submit complete and accurate information may result in a finding of noncompliance or rejection of the bid/proposal and/or suspension or termination of the contract.										
Prepared By (Signature)		Email Address								
Name and Title of Preparer (Print or Type)	Telephone No.		Date							
FOR AGENCY USE ONLY										
Reviewed By		Date								
Waiver Granted: <input type="checkbox"/> Yes <input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDOV <input type="checkbox"/> No		Date								
* Comments:										

REQUIREMENTS AND DOCUMENT SUBMISSION INSTRUCTIONS

When completing the Request for Waiver Form, please check all boxes that apply. To be considered, the Request for Waiver Form must be accompanied by documentation for items 1-11, as listed below. If box #3 has been checked above, please see item 11. Copies of the following information and all relevant supporting documentation must be submitted along with the request:

1. A statement setting forth your basis for requesting a partial or total waiver.
2. The names of general circulation, trade association, and M/WBE/SDVOB-oriented publications in which you solicited certified M/WBE/SDVOBs for the purposes of complying with your participation goals.
3. A list identifying the date(s) that all solicitations for certified M/WBE/SDVOB participation were published in any of the above publications.
4. A list of all certified M/WBE/SDVOBs appearing in the NYS Directory of Certified Firms that were solicited for purposes of complying with your certified M/WBE/SDVOB participation levels.
5. Copies of notices, dates of contact, letters, and other correspondence as proof that solicitations were made in writing and copies of such solicitations, or a sample copy of the solicitation if an identical solicitation was made to all certified M/WBE/SDVOBs.
6. Provide copies of responses made by certified M/WBE/SDVOBs to your solicitations.
7. Provide a description of any contract documents, plans, or specifications made available to certified M/WBE/SDVOBs for purposes of complying with the certified M/WBE/SDVOB participation goals.
8. Provide documentation of any negotiations between you, the Offeror/Contractor, and the M/WBE/SDVOBs undertaken for purposes of complying with the certified M/WBE/SDVOB participation goals.
9. Provide any other information you deem relevant which may help us in evaluating your request for a waiver.
10. Provide any other information you deem relevant which may help us in evaluating your request for a waiver.
11. Copy of notice of application receipt issued by Niagara Falls Water Board (NFWB).

NOTE: Unless a Total Waiver has been granted, Offeror/Contractor will be required to submit all reports and documents pursuant to the provisions set forth in the Contract, as deemed appropriate by NFWB, to determine M/WBE/SDVOB compliance.



STAFFING PLAN

FORM C

Niagara Falls Water Board
 Michael C. O' Laughlin Municipal Water Plant
 Attention: Rolfe Porter, Executive Director
 5815 Buffalo Ave.
 Niagara Falls, NY 14304

Submit with Bid or Proposal- Instructions on page 2.

Solicitation No. Offeror's Name:	Reporting Entity:	Report includes Contractor's/Subcontractor's: <input type="checkbox"/> Workforce to be utilized on this contract <input type="checkbox"/> Total workforce <input type="checkbox"/> Offeror <input type="checkbox"/> Subcontractor Subcontractor's name _____
---	--------------------------	---

Enter the total number of employees for each classification in each of the EEO-Job Categories identified

EEO-Job Category	Total Work Force	Workforce by Gender		Workforce by Race/Ethnic Identification													
		Male (M)	Female (F)	White (M) (F)		Black (M) (F)		Hispanic (M) (F)		Asian (M) (F)		Native American (M) (F)		Disabled (M) (F)		Veteran (M) (F)	
Officials/Administrators																	
Professionals																	
Technicians																	
Sales Workers																	
Office/Clerical																	
Craft Workers																	
Laborers																	
Service Workers																	
Temporary/Apprentices																	
Totals																	

Prepared By (Signature)

Email Address

Name and Title of Preparer (Print or Type)

Telephone No.

Date

GENERAL INSTRUCTIONS

General instructions: All Offerors and each subcontractor identified in the bid or proposal must complete an EEO Staffing Plan (FORM B) and submit it as part of the bid or proposal package. Where the work force to be utilized in the performance of the contract can be separated out from the contractor's and/or subcontractor's total work force, the Offeror shall complete this form only for the anticipated work force to be utilized on the contract. Where the work force to be utilized in the performance of the contract cannot be separated out from the contractor's and/or subcontractor's total work force, the Offeror shall complete this form for the contractor's and/or subcontractor's total work force.

Instructions for completing:

1. Enter the Solicitation number that this report applies to along with the name and address of the Offeror.
2. Check off the appropriate box to indicate if the Offeror completing the report is the contractor or a subcontractor.
3. Check off the appropriate box to indicate work force to be utilized on the contract or the Offeror's total work force.
4. Enter the total work force by EEO job category.
5. Break down the anticipated total work force by gender and enter under the heading "Work force by Gender".
6. Break down the anticipated total work force by race/ethnic identification and enter under the heading "Work force by Race/Ethnic Identification". Contact the Permissible contact(s) for the solicitation if you have any questions.
7. Enter information on disabled or veterans included in the anticipated work force under the appropriate headings.
8. Enter the name, title, phone number and email address for the person completing the form. Sign and date the form in the designated boxes.

Race /Ethnic Identification

Race/ethnic designations as used by the Equal Employment Opportunity Commission do not denote scientific definitions of anthropological origins. For the purposes of this form, an employee may be included in the group to which he or she appears to belong, identifies with, or is regarded in the community as belonging. However, no person should be counted in more than one race/ethnic group. The race/ethnic categories for this survey are:

- **White** (Not of Hispanic origin) All persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.
- **Black** a person, not of Hispanic origin, who has origins in any of the black racial groups of the original peoples of Africa.
- **Hispanic** a person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.
- **Asian & Pacific Islander** a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands.
- **Native Indian** (Native American/Alaskan Native) a person having origins in any of the original peoples of North America, and who maintains cultural identification through tribal affiliation or community recognition.

Other Categories

- **Disabled Individual** any person who: -has a physical or mental impairment that substantially limits one or more major life activity (ies)
-has a record of such an impairment; or
-is regarded as having such an impairment.
- **Vietnam Era Veteran** a veteran who served at any time between and including January 1, 1963 and May 7, 1975.
- **Gender** Male or Female



WORK FORCE EMPLOYMENT UTILIZATION FORM D

Contract No.:	Reporting Entity: <input type="checkbox"/> Contractor <input type="checkbox"/> Subcontractor	Reporting Period: <input type="checkbox"/> January 1, 20__ - March 31, 20__ <input type="checkbox"/> April 1, 20__ - June 30, 20__ <input type="checkbox"/> July 1, 20__ - September 30, 20__ <input type="checkbox"/> October 1, 20__ - December 31, 20__
Contractor's Name:		Report includes: <input type="checkbox"/> Work force to be utilized on this contract <input type="checkbox"/> Contractor/Subcontractor's total work force
Contractor's Address:		

Enter the total number of employees in each classification in each of the EEO-Job Categories identified.

EEO-Job Category	Total Work force	Work force by Gender		Work force by Race/Ethnic Identification													
		Male (M)	Female (F)	White (M) (F)		Black (M) (F)		Hispanic (M) (F)		Asian (M) (F)		Native American (M) (F)		Disabled (M) (F)		Veteran (M) (F)	
Officials/Administrators																	
Professionals																	
Technicians																	
Sales Workers																	
Office/Clerical																	
Craft Workers																	
Laborers																	
Service Workers																	
Temporary /Apprentices																	
Totals																	

PREPARED BY (Signature):	TELEPHONE NO.:	DATE:
	EMAIL ADDRESS:	
NAME AND TITLE OF PREPARER (Print or Type):		Submit completed form to:
		NYS (add Agency name)

General Instructions: The work force utilization (M/WBE 102) is to be submitted on a quarterly basis during the life of the contract to report the actual work force utilized in the performance of the contract broken down by the specified categories. When the work force utilized in the performance of the contract can be separated out from the contractor's and/or subcontractor's total work force, the contractor and/or subcontractor shall submit a Utilization Report of the work force utilized on the contract. When the work force to be utilized on the contract cannot be separated out from the contractor's and/or subcontractor's total work force, information on the total work force shall be included in the Utilization Report. Utilization reports are to be completed for the quarters ended 3/31, 6/30, 9/30 and 12/31 and submitted to the M/WBE Program Management Unit within 15 days of the end of each quarter. If there are no changes to the work force utilized on the contract during the reporting period, the contractor can submit a copy of the previously submitted report indicating no change with the date and reporting period updated.

Instructions for completing:

1. Enter the number of the contract that this report applies to along with the name and address of the Contractor preparing the report.
2. Check off the appropriate box to indicate if the entity completing the report is the contractor or a subcontractor.
3. Check off the box that corresponds to the reporting period for this report.
4. Check off the appropriate box to indicate if the work force being reported is just for the contract or the Contractor's total work force.
5. Enter the total work force by EEO job category.
6. Break down the total work force by gender and enter under the heading 'Work force by Gender'
7. Break down the total work force by race/ethnic background and enter under the heading 'Work force by Race/Ethnic Identification'. Contact the M/WBE Program Management Unit at (518) 474-5513 if you have any questions.
8. Enter information on any disabled or veteran employees included in the work force under the appropriate heading.
9. Enter the name, title, phone number and email address for the person completing the form. Sign and date the form in the designated boxes.

RACE/ETHNIC IDENTIFICATION

Race/ethnic designations as used by the Equal Employment Opportunity Commission do not denote scientific definitions of anthropological origins. For the purposes of this report, an employee may be included in the group to which he or she appears to belong, identifies with, or is regarded in the community as belonging. However, no person should be counted in more than one race/ethnic group. The race/ethnic categories for this survey are:

- **WHITE** (Not of Hispanic origin) All persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.
- **BLACK** a person, not of Hispanic origin, who has origins in any of the black racial groups of the original peoples of Africa.
- **HISPANIC** a person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.
- **ASIAN & PACIFIC ISLANDER** a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands.
- **NATIVE INDIAN (NATIVE AMERICAN/ALASKAN NATIVE)** a person having origins in any of the original peoples of North America, and who maintains cultural identification through tribal affiliation or community recognition.
- **OTHER CATEGORIES**
- **DISABLED INDIVIDUAL** any person who:
 - has a physical or mental impairment that substantially limits one or more major life activity(ies)
 - has a record of such an impairment; or
 - is regarded as having such an impairment.
- **VIETNAM ERA VETERAN** a veteran who served at any time between and including January 1, 1963 and May 7, 1975.
- **GENDER** Male or Female

APPENDIX C

NYS DOH M/WBE Required Forms

ATTACHMENT 5

NEW YORK STATE DEPARTMENT OF HEALTH - M/WBE REQUIRED FORMS FOR RFPs OR MISCELLANEOUS PROCUREMENTS

All DOH procurements have a section entitled “**MINORITY AND WOMEN OWNED BUSINESS ENTERPRISE REQUIREMENTS.**” This section of procurement sets forth the established DOH goal for that particular procurement and also describes the forms that must be completed with their bid. Below is a summary of the forms used in the DOH MWBE Participation Program by a bidder.

Form #1: Bidder MWBE Utilization Plan - This document should be completed by all bidders responding to RFPs with an MWBE goal greater than zero. The bidder must demonstrate how it plans to meet the stated MWBE goal. In completing this form, the bidder should describe the steps taken to establish communication with MWBE firms and identify current or future relationships with certified MWBE firms. The second page of the form should list the MWBE certified firms that the vendor plans to engage with on the project and the amount that each certified firm is projected to be paid. Plans to work with uncertified firms or women and minority staffed firms do not meet the criteria for participation. The firm must be owned and operated by a Woman and/or Minority and must be certified by NYS Empire State Development to be eligible for participation. If the plan is not submitted or is deemed deficient, the bidder may be sent a notice of deficiency. It is mandatory that all awards with goals have a utilization plan on file.

Form #2: MWBE Utilization Waiver Request - This document should be filled out by the bidder if the utilization plan (Form #1) indicates less than the stated participation goal for the procurement. In this instance, Form #2 must accompany Form #1 with the bid. If Form #2 is provided and goal was initially set higher, revised goal approval will be necessary. When completing Form #2, it is important that the bidder thoroughly document the steps that were taken to meet the goal and provide evidence in the form of attachments to the document. The required attachments are listed on Form #2 and will document the good-faith efforts taken to meet the desired goal. A bidder can also attach additional evidence outside of those referenced attachments. Without evidence of good-faith efforts, in the form of attachments or other documentation, the Department of Health may not approve the waiver and the bidder may be deemed non-responsive.

New MWBE firms are being certified daily and new MWBE firms may now be available to provide products or services that were historically unavailable. If Form #2 is found by DOH to be deficient, the bidder may be sent a deficiency letter which will require a revised form to be returned within 7 business days of receipt to avoid a finding of non-compliance. DOH may work directly with firm to resolve minor deficiencies via e-mail.

Form #3: Replaced by Online Compliance System - <https://ny.newnycontracts.com>. Contractors will need to login and submit payments to MWBE Firms in this on-line system once payments to these vendors commence.

Form#4 – MWBE Staffing Plan

This form should be completed based on the composition of staff working on the project. Enter the numbers or counts in the corresponding boxes and add up the totals in each column. This form is for diversity research purposes only and has no bearing on MWBE goal achievement.

Form#5 – EEO and MWBE Policy Statement

This is a standard EEO policy that needs to be signed and dated and submitted. If Bidder has their own EEO policy, it may be submitted instead of endorsing this document

Form#1 – MWBE Utilization Plan

DETAILED MWBE FORMS INSTRUCTIONS

Page#1 of Form#1:

Description of Plan - Describe any steps/details that support Bidder/Contractor plan to meet the MWBE goals stated in the procurement/contract.

Line#1 - Total Dollar Value of Proposal Bid – This line should represent the total dollar amount of bid. The total value is eligible for MWBE goal setting.

Line#2 - MBE Goal Applied to the Contract– Bidder/Contractor lists the amount to be paid/subcontracted to Certified Minority-owned Business Enterprise(s) and the percentage this amount represents of the Total Dollar Value of Proposal Bid listed on Line #1.

Example: If paying two MBE firms \$100,000 & \$50,000 each and Total Dollar Value of Proposal Bid listed on line #1 is \$1,000,000 list 15% and \$150,000 on Line #2.

Line#3 - WBE Goal Applied to the Contract– Bidder/Contractor lists the amount to be paid to a Certified Woman-owned Business Enterprise and states the percentage this amount is of the Total Value listed on Line #1.

Example: If Bidder/Contractor is paying two WBE firms \$50,000 & \$100,000 each and the Total Dollar Value of Proposal Bid listed on line #1 is \$1,000,000 Bidder/Contractor would list 15% and \$150,000 on Line #2 of the Utilization Plan.

Line#4 - MWBE Combined totals - Bidder/Contractor totals Line #2 and Line #3 for both Percentage and Amount to state the Combined M&W percentages and Combined M&W amount.

Example: Using the above Line #2 and Line #3 examples for payment data, Bidder/Contractor achieves a combined MWBE % of 30% and a combined MWBE amount of \$300,000. (15%M and 15%W; \$150,000M + \$150,000W). MWBE combined Total/Total Dollar Value Eligible = the MWBE % ($300,000/1,000,000 = 30\%$).

Page#2 of Form#1:

The first column (left column): Bidder/Contractor lists any Minority-owned Business Enterprises (MBE) that Bidder/Contractor is subcontracting with or purchasing from and the MBE contact/company information.

The second column (center column): Bidder/Contractor describes what type of work certified MBE will be providing or what product certified MBE will be supplying to Bidder/Contractor.

The third column (right column): Bidder/Contractor states the amount to be paid to the certified MBE during the term of the contract. The amount totaled from Page #2 should equal the amount listed on Line #2 of Page#1.

Form#1 – MWBE Utilization Plan Continued

Page#3 of Form#1:

The first column (left column): Bidder/Contractor lists any Woman-owned Business Enterprises (WBE) that Bidder/Contractor will be subcontracting with or purchasing from and WBE contact/company information.

The second column (center column): Bidder/Contractor describes what type of work certified WBE will be providing or what product certified WBE will be supplying to Bidder/Contractor.

Third column (right column): Bidder/Contractor states the amount to be paid to the certified WBE during the term of the contract. The amount totaled from Page#3 should equal the amount listed on Line#3 of Page#1.

NEW YORK STATE DEPARTMENT OF HEALTH M/WBE UTILIZATION PLAN

Bidder/Contractor Name:	
Vendor ID:	Email: Phone:
RFP/Contract Title:	RFP/Contract No.

Description of Plan to Meet M/WBE Goals

PROJECTED M/WBE USAGE

	%	Amount
1. Total Dollar Value of Proposal Bid	100	\$
2. MBE Goal Applied to the Contract		\$
3. WBE Goal Applied to the Contract		\$
4. M/WBE Combined Totals	0	\$ 0.00

“Making false representation or including information evidencing a lack of good faith as part of, or in conjunction with, the submission of a Utilization Plan is prohibited by law and may result in penalties including, but not limited to, termination of a contract for cause, loss of eligibility to submit future bids, and/or withholding of payments. Firms that do not perform commercially useful functions may not be counted toward MWBE utilization.”

M/WBE Form #1**NEW YORK STATE DEPARTMENT OF HEALTH M/WBE UTILIZATION PLAN****MINORITY OWNED BUSINESS ENTERPRISE (MBE) INFORMATION**

In order to achieve the MBE Goals, bidder expects to subcontract with New York State certified MINORITY-OWNED entities as follows:

MBE Firm (Exactly as Registered)	Description of Work (Products/Services) [MBE]	Projected MBE Dollar Amount
Name Address City, State, ZIP Employer I.D.(FEIN) Telephone Number () -		\$ _____
Name Address City, State, ZIP Employer I.D.(FEIN) Telephone Number () -		\$ _____
Name Address City, State, ZIP Employer I.D. Telephone Number () -		\$ _____

M/WBE Form #1**NEW YORK STATE DEPARTMENT OF HEALTH M/WBE UTILIZATION PLAN****WOMEN OWNED BUSINESS ENTERPRISE (WBE) INFORMATION**

In order to achieve the WBE Goals, bidder expects to subcontract with New York State certified WOMEN-OWNED entities as follows:

WBE Firm (Exactly as Registered)	Description of Work (Products/Services) [WBE]	Projected WBE Dollar Amount
Name Address City, State, ZIP Employer I.D. Telephone Number () -		\$ _____
Name Address City, State, ZIP Employer I.D. Telephone Number () -		\$ _____
Name Address City, State, ZIP Employer I.D. Telephone Number () -		\$ _____

MWBE Form #2 - MWBE Utilization Waiver Request

DETAILED MWBE FORMS INSTRUCTIONS

"Form #1 MWBE Utilization Plans" that commit to a goal % less than the stated MWBE goal percentage in procurement must be accompanied by a "Form#2 MWBE Utilization Waiver Request". A Bidder/Contractor may qualify for a partial or total waiver of the MWBE goal requirements established on a State contract only upon the submission of a waiver form by a Bidder/Contractor, documenting good-faith efforts by the Contractor to meet the goal requirements of the state contract and a consideration of applicable factors. The ability to subcontract with M/WBEs and separately the ability to purchase from M/WBEs must be addressed in attachments on all waiver requests.

Fill out the header with the name of the Bidder/Contractor requesting the waiver under Offeror/Contractor Name, include your Federal Identification ID, Address, Solicitation/Contract Number, and M/WBE Goals. Check off the appropriate box for the type of waiver that is being requested and whether it is a total or partial waiver. If the Waiver is Pending ESD Certification, meaning the subcontractor has applied for certification with Empire State Development, check off that box and state the date that they applied for certification. Directly below the Pending ESD Certification area, sign and date the waiver. Provide the name of the preparer as well as a telephone number and email address (Bidder/Contractor direct contact number of people authorized to discuss submission).

The following attachments should be provided:

1. A statement setting forth your basis for requesting a partial or total waiver. The statement should at a minimum include the services being subcontracted out and why a portion of those services cannot be subcontracted to certified MWBE(s). In addition, statement must also include what purchases of equipment and supplies are being made and why those purchases cannot be provided by certified MWBE(s).
2. The names of general circulation, trade association, and M/WBE-oriented publications in which you solicited certified M/WBEs for the purposes of complying with your participation goals related to this contract.
3. A list identifying the date(s) that all solicitations for certified M/WBE participation were published in any of the above publications.
4. A list of all certified M/WBEs appearing in the NYS Directory of Certified Firms that were solicited for purposes of complying with your certified M/WBE participation levels.
5. Copies of notices, dates of contact, letters, and other correspondence as proof that solicitations were made in writing and copies of such solicitations, or a sample copy of the solicitation if an identical solicitation was made to all certified M/WBEs.
6. Provide copies of responses to your solicitations received by you from certified M/WBEs.
7. Provide a description of any contract documents, plans, or specifications made available to certified M/WBEs for purposes of soliciting their bids and the date and manner in which these documents were made available.
8. Provide documentation of any negotiations between you, the Bidder/Contractor, and the M/WBEs undertaken for purposes of complying with the certified M/WBE participation goals.
9. Provide any other information you deem relevant which may help us in evaluating your request for a waiver.

*** All attachments are created by the entity requesting the waiver. These are self-generated attachments and are not provided by the agency.**

MWBE Form #2

NEW YORK STATE DEPARTMENT OF HEALTH MWBE UTILIZATION WAIVER REQUEST

Bidder:	Federal Identification No.:					
Address:	Solicitation/Contract No.:					
City, State, Zip Code:	M/WBE Goals: MBE % WBE % (From Lines 2&3 of Form 1)					
By submitting this form and the required information, the officer or/contractor certifies that every Good Faith Effort has been taken to promote M/WBE participation pursuant to the M/WBE requirements set forth under the contract.						
Contractor is requesting a: <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <input type="checkbox"/> MBE Waiver – A waiver of the MBE Goal for this procurement is requested. <input type="checkbox"/> WBE Waiver – A waiver of the MBE Goal for this procurement is requested. <input type="checkbox"/> Waiver Pending ESD Certification – (Check here if subcontractors or suppliers of Contractor are not certified M/WBE, but an application for certification has been filed with Empire State Development.) </div> <div style="width: 35%; text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div>Total / Partial</div> <div><input type="checkbox"/> Total / <input type="checkbox"/> Partial</div> </div> </div> </div> Date of such filing with Empire State Development:						
If a total or partial waiver is requested, appropriate supporting documentation as outlined in the Detailed MWBE Form Instructions is required.						
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> PREPARED BY (Signature) _____ </div> <div style="width: 45%;"> Date: _____ </div> </div> <p>SUBMISSION OF THIS FORM CONSTITUTES THE OFFEROR/CONTRACTOR'S ACKNOWLEDGEMENT AND AGREEMENT TO COMPLY WITH THE M/WBE REQUIREMENTS SET FORTH UNDER NYS EXECUTIVE LAW, ARTICLE 15-A AND 5 NYCRR PART 143. FAILURE TO SUBMIT COMPLETE AND ACCURATE INFORMATION MAY RESULT IN A FINDING OF NONCOMPLIANCE AND/OR TERMINATION OF THE CONTRACT.</p>						
Name and Title of Preparer (Printed or Typed): _____	Telephone Number: _____	Email Address: _____				
Submit with the bid or proposal or if submitting after award submit to: mwbe@health.ny.gov						
<div style="text-align: center; border: 1px solid black; padding: 2px;"> ***** FOR BOC-MWBE USE ONLY ***** </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;"> REVIEWED BY: _____ </td> <td style="width: 30%; padding: 5px;"> DATE: _____ </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> Waiver Granted: <input type="checkbox"/> YES <input type="checkbox"/> NO MBE: <input type="checkbox"/> WBE: <input type="checkbox"/> <div style="display: flex; justify-content: space-between;"> <div> Total Waiver ESD Certification Waiver Notice of Deficiency Issued </div> <div> <input type="checkbox"/> Partial Waiver <input type="checkbox"/> *Conditional </div> </div> </td> </tr> </table>			REVIEWED BY: _____	DATE: _____	Waiver Granted: <input type="checkbox"/> YES <input type="checkbox"/> NO MBE: <input type="checkbox"/> WBE: <input type="checkbox"/> <div style="display: flex; justify-content: space-between;"> <div> Total Waiver ESD Certification Waiver Notice of Deficiency Issued </div> <div> <input type="checkbox"/> Partial Waiver <input type="checkbox"/> *Conditional </div> </div>	
REVIEWED BY: _____	DATE: _____					
Waiver Granted: <input type="checkbox"/> YES <input type="checkbox"/> NO MBE: <input type="checkbox"/> WBE: <input type="checkbox"/> <div style="display: flex; justify-content: space-between;"> <div> Total Waiver ESD Certification Waiver Notice of Deficiency Issued </div> <div> <input type="checkbox"/> Partial Waiver <input type="checkbox"/> *Conditional </div> </div>						

M/WBE Form #4

NEW YORK STATE DEPARTMENT OF HEALTH M/WBE STAFFING PLAN

For project staff, consultants and/or subcontractors working on this grant complete the following plan. This has no impact on MWBE utilization goals, or the submitted Utilization Plan - Form#1. This is for diversity research purposes.

Contractor Name _____

Address _____

STAFF	Total	Male	Female	Black	Hispanic	Asian/ Pacific Islander	Other
Executive/Senior level Officials	0						
Managers/Supervisors	0						
Professionals	0						
Technicians	0						
Administrative Support	0						
Craft/Maintenance Workers	0						
Laborers and Helpers	0						
Service Workers	0						
Totals	0						

(Name and Title)

(Signature)

Date

M/WBE Form #5

NEW YORK STATE DEPARTMENT OF HEALTH

MWBE AND EQUAL EMPLOYMENT OPPORTUNITY POLICY STATEMENT

I, _____, the (awardee/contractor) _____ agree to adopt the following policies with respect to the project being developed or services rendered at _____

MWBE

This organization will and will cause its contractors and subcontractors to take good faith actions to achieve the M/WBE contract participations goals set by the State for that area in which the State-funded project is located, by taking the following steps:

Actively and affirmatively solicit bids for contracts and subcontracts from qualified State certified MBEs or WBEs, including solicitations to M/WBE contractor associations.

Request a list of State-certified M/WBEs from AGENCY and solicit bids from them directly.

Ensure that plans, specifications, request for proposals and other documents used to secure bids will be made available in sufficient time for review by prospective M/WBEs.

Where feasible, divide the work into smaller portions to enhanced participations by M/WBEs and encourage the formation of joint venture and other partnerships among M/WBE contractors to enhance their participation.

Document and maintain records of bid solicitation, including those to M/WBEs and the results thereof. Contractor will also maintain records of actions that its subcontractors have taken toward meeting M/WBE contract participation goals.

Ensure that progress payments to M/WBEs are made on a timely basis so that undue financial hardship is avoided, and that bonding and other credit requirements are waived, or appropriate alternatives developed to encourage M/WBE participation.

Name & Title

Signature & Date

EEO

(a) This organization will not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, age, disability or marital status, will undertake or continue existing programs of affirmative action to ensure that minority group members are afforded equal employment opportunities without discrimination, and shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on state contracts.

(b) This organization shall state in all solicitation or advertisements for employees that in the performance of the State contract all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex disability or marital status.

(c) At the request of the contracting agency, this organization shall request each employment agency, labor union, or authorized representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status and that such union or representative will affirmatively cooperate in the implementation of this organization's obligations herein.

(d) Contractor shall comply with the provisions of the Human Rights Law, all other State and Federal statutory and constitutional non-discrimination provisions. Contractor and subcontractors shall not discriminate against any employee or applicant for employment because of race, creed (religion), color, sex, national origin, sexual orientation, military status, age, disability, predisposing genetic characteristic, marital status or domestic violence victim status, and shall also follow the requirements of the Human Rights Law with regard to non- discrimination on the basis of prior criminal conviction and prior arrest.

(e) This organization will include the provisions of sections (a) through (d) of this agreement in every subcontract in such a manner that the requirements of the subdivisions will be binding upon each subcontractor as to work in connection with the State contract.

APPENDIX D

EFC Mandatory State Revolving Fund Terms and Conditions



**Environmental
Facilities Corporation**

KATHY HOCHUL
Governor

MAUREEN A. COLEMAN
President & CEO

Mandatory State Revolving Fund Terms and Conditions

**for Contracts Funded with the NYS Clean Water State Revolving Fund
or Drinking Water State Revolving Fund**

Effective November 1, 2021

New York State Environmental Facilities Corporation
625 Broadway, Albany, NY 12207-2997
P: (518) 402-6924 F: (518) 402-7456
www.efc.ny.gov

REQUIRED CONTRACT LANGUAGE

Recipient to Identify Contract Type:

☐ **Construction**

☐ **Treatment Works and Drinking Water Projects**

☐ **Non-Treatment Works**

☒ **Non-Construction**

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COMMONLY USED TERMS

The following commonly used terms are defined herein as follows:

“Contract” means an agreement between a Recipient and a Contractor.

“Contractor” means all bidders, prime contractors, Service Providers, and consultants as hereinafter defined, unless specifically referred to otherwise.

“Service Provider” means any individual or business enterprise that provides one or more of the following: legal, engineering, financial advisory, technical, or other professional services, supplies, commodities, equipment, materials, or travel.

“Subcontract” means an agreement between a Contractor and a Subcontractor.

“Subcontractor” means any individual or business enterprise that has an agreement, purchase order, or any other contractual arrangement with a Contractor.

“Recipient” means the party, other than EFC, to a grant agreement or a project finance agreement with EFC through which funds for the payment of amounts due thereunder are being paid in whole or in part.

“State” means the State of New York.

“Treatment Works” is defined in Clean Water Act (CWA) Section 212.

“Nonpoint Source Projects” and **“Green Infrastructure Projects”** are defined in CWA Section 319.

“Estuary Management Program Project” is defined in CWA Section 320.

I. SECTION 1 REQUIREMENTS AND PROCEDURES FOR BUSINESS PARTICIPATION OPPORTUNITIES FOR NEW YORK STATE CERTIFIED MINORITY- AND WOMEN-OWNED BUSINESS ENTERPRISES AND EQUAL EMPLOYMENT OPPORTUNITIES FOR MINORITY GROUP MEMBERS AND WOMEN

For purposes of this section:

“Non-Construction” shall mean Contracts for labor, services (including, but not limited to, legal, financial, and other professional services), supplies, equipment, materials, or any combination of the foregoing.

“Contracts Meeting Article 15-A Thresholds” shall mean Contracts or Subcontracts meeting the thresholds under New York State Executive Law Article 15-A as follows:

- (a) Non-Construction Contracts greater than \$25,000;
- (b) Non-Construction Contracts, that are initially under \$25,000 but subsequent change orders or contract amendments increase the Contract value to above \$25,000;
- (c) Construction Contracts greater than \$100,000; and,
- (d) Construction Contracts that are initially under \$100,000 but subsequent change orders or contract amendments increase the Contract value to above \$100,000.

The Equal Employment Opportunities requirements of this section apply to all Contracts and Subcontracts, with the exception of:

- (1) the requirements under Title VII of the Civil Rights Act of 1964 and 41 CFR Part 60-1 Subpart A which apply only to construction Contracts and Subcontracts;
- (2) the Federal Affirmative Action Regulations requirements which apply only to construction Contracts and Subcontracts greater than \$10,000.

The Minority- and Women- Owned Business Enterprises (“MWBE”) participation requirements of this section apply to the Contracts Meeting Article 15-A Thresholds.

Disregard this section if it does not apply to this Contract or Subcontract.

II. General Provisions

- A. Contractors and Subcontractors are required to comply with the following provisions:
1. New York State Executive Law Article 15-A and 5 NYCRR Parts 140-145 ("MWBE Regulations") for all State Contracts as defined therein, with a value (1) in excess of \$25,000 for labor, services (including, but not limited to, legal, financial, and other professional services), supplies, equipment, materials, or any combination of the foregoing, or (2) in excess of \$100,000 for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon.
 2. Title VI of the Civil Rights Act of 1964 and 40 CFR Part 7 ("Title VI") for any program or activity receiving federal financial assistance, as those terms are defined therein.
 3. Title VII of the Civil Rights Act of 1964 and 41 CFR Part 60-1 Subpart A ("Title VII") for construction Contracts related to any government programs providing federal financial assistance, as those terms are defined therein.
 4. 41 CFR Part 60-4 ("Federal Affirmative Action Regulations") for federal or federally assisted construction Contracts in excess of \$10,000, as those terms are defined therein.
 5. Section 504 of the Rehabilitation Act of 1973 ("Section 504") for any program or activity receiving federal financial assistance, as those terms are defined therein.
 6. The Age Discrimination Act of 1975 ("Age Discrimination Act") for any program or activity receiving federal financial assistance, as those terms are defined therein.
 7. Section 13 of the Federal Water Pollution Control Act ("Clean Water Act") Amendments of 1972 ("Section 13") for any program or activity receiving federal financial assistance under the Clean Water Act, as those terms are defined therein.
- B. Failure to comply with all of the requirements herein may result in a finding by the Recipient that the Contractor is non-responsive, non-responsible, and/or has breached the Contract, leading to the withholding of funds or such other actions, liquidated damages pursuant to subsection III(F) of this section, or enforcement proceedings as allowed by the Contract.
- C. If any terms or provisions herein conflict with Executive Law Article 15-A, the MWBE Regulations, Title VI, Title VII, or Federal Affirmative Action Regulations, such law and regulations shall supersede these requirements.
- D. Upon request from the Recipient's Minority Business Officer ("MBO") and/or EFC, Contractor will provide complete responses to inquiries and all MWBE and EEO records available within a reasonable time. For purposes of this section, MBO means the duly authorized representative of the SRF Recipient for MWBE and EEO purposes.

III. Equal Employment Opportunities (EEO)

Applicable to all Contracts and Subcontracts unless otherwise noted

- A. Each Contractor and Subcontractor performing work on the Contract shall undertake or continue existing EEO programs to ensure that minority group members and women are afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status. For these purposes, EEO shall apply in the areas of recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff, or termination and rates of pay or other forms of compensation.
- B. The Contractor shall comply with the provisions of the Human Rights Law (Executive Law Article 15), Title VI, Title VII, the Federal Affirmative Action Regulations, Section 504, Age Discrimination Act, Section 13, and all other State and Federal statutory and constitutional non-discrimination provisions. The Contractor and Subcontractors shall not discriminate against any employee or applicant for employment because of race, creed (religion), color, sex, national origin, sexual orientation, military status, age, disability, predisposing genetic characteristic, marital status or domestic violence victim status, and shall also follow the requirements of the Human Rights Law with regard to non-discrimination on the basis of prior criminal conviction and prior arrest.

- C. Contractors and Subcontractors shall have instituted grievance procedures to assure the prompt and fair resolution of complaints when a violation of Title VI of the Civil Rights Act of 1964 or Title 40 CFR Part 7 is alleged.
- D. Pursuant to 40 CFR § 7.95, the Contractor shall display a copy of the EEO notice at the project site in a visible location. The notice shall accommodate individuals with impaired vision or hearing and should be provided in languages other than English where appropriate. The notice must also identify the employee responsible for its EEO compliance. A copy of the EEO notice ("EEO Poster") can be found at:
<https://www.dol.gov/ofccp/regs/compliance/posters/pdf/eeopost.pdf> .

The Contractor will include the provisions of Subdivisions II(A) and II(C) in every Subcontract in such a manner that the requirements of these subdivisions will be binding upon each Subcontractor as to work in connection with the Contract.

Applicable to all construction Contracts

- E. The Contractor and Subcontractor will comply with the requirements of 41 CFR § 60-1.4(b) and (c), and such provisions are hereby incorporated by reference. These provisions require, in part, that the Contractor and Subcontractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Contractor and Subcontractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be 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.

Applicable to construction Contracts greater than \$10,000

- F. The Contractor and Subcontractor will comply with the Affirmative Action Regulations and such provisions are hereby incorporated by reference. These provisions require, in part, that the Contractor and Subcontractor place affirmative action goals on Contracts and Subcontracts, as established by the United States Department of Labor. Affirmative action goals for minorities and women by geographic region can be found here:
<https://www.dol.gov/sites/dolgov/files/ofccp/ParticipationGoals.pdf> .

G. Required EEO Forms

Pursuant to 41 CFR Section 60-1.7 for federally assisted construction Contracts, Contractor and Subcontractor will annually file an EEO-1 Report with the Joint Reporting Committee for the Office of Federal Contract Compliance Programs (OFCCP) and the Equal Employment Opportunity Commission (EEOC) according to the instructions provided at <https://www.eeoc.gov/employers/eeo-1-survey/eeo-1-instruction-booklet> , if Contractor or Subcontractor:

1. Is not exempt from compliance pursuant to 41 CFR § 60-1.5;
2. Has 50 or more employees;
3. Is a prime Contractor or first tier Subcontractor; or Subcontractor below the first tier which performs construction work at the site of construction; and
4. Has a Contract, Subcontract, or purchase order amounting to \$50,000 or more.

IV. Business Participation Opportunities for MWBEs

Applicable to Contracts Meeting Article 15-A Thresholds

A. Contract Goals

1. For purposes of this Contract, EFC establishes the following goals for New York State certified MWBE participation based on the current availability of qualified MBEs and WBEs.

Program	MWBE Contract Goal*
CWSRF, DWSRF, & Green Innovation Grant Program	20%
NYS Water Infrastructure Improvement Act Grants (also receiving EFC loan)	Clean Water project 20% Drinking Water project 20%
NYS Intermunicipal Grants (also receiving EFC loan)	Clean Water project 20% Drinking Water project 20%

*May be any combination of MBE and/or WBE participation

2. For purposes of providing meaningful participation by MWBEs on the Contract and achieving the MWBE Contract Goals established in Section III-A hereof, the Contractor should reference the directory of New York State Certified MWBEs found at the following internet address: <https://ny.newnycontracts.com>.
3. The Contractor understands that only sums paid to MWBEs for the performance of a commercially useful function, as that term is defined in 5 NYCRR § 140.1, may be applied towards achievement of applicable MWBE participation goals.
 - a. For construction and construction-related services Contracts or Subcontracts, the portion of the Contract or Subcontract with an MWBE serving as a supplier, and so designated in ESD's Directory, that shall be deemed to represent the commercially useful function performed by the MWBE shall be 60% of the total value of the Contract or Subcontract. The portion of a Contract or Subcontract with an MWBE serving as a broker, as denoted by NAICS code 425120, that shall be deemed to represent the commercially useful function performed by the MWBE shall be the monetary value for fees, or the markup percentage, charged by the MWBE.
 - b. For non-construction Contracts or Subcontracts, the portion of a Contract or Subcontract with an MWBE serving as a broker that shall be deemed to represent the commercially useful function performed by the MWBE shall be 25% of the total value of the contract
4. Where MWBE Contract Goals have been established herein, pursuant to 5 NYCRR § 142.8, the Contractor must document "good faith efforts" to provide meaningful participation by MWBEs as Subcontractors or suppliers in the performance of the Contract.
5. In accordance with Section 316-a of Article 15-A and 5 NYCRR § 142.13, the Contractor acknowledges that if it is found to have willfully and intentionally failed to comply with the MWBE participation goals set forth in the Contract, such a finding constitutes a breach of Contract and the Contractor shall be liable to the Recipient for liquidated or other appropriate damages, as set forth herein.

B. MWBE Utilization Plan

1. The Contractor represents and warrants that Contractor has submitted an MWBE Utilization Plan to the Recipient prior to the execution of this Contract.
2. The Contractor agrees to use such MWBE Utilization Plan for the performance of MWBEs on the Contract pursuant to the prescribed MWBE goals set forth in Section III-A of this section.

3. The Contractor further agrees that a failure to submit and/or use such MWBE Utilization Plan shall constitute a material breach of the terms of the Contract. Upon the occurrence of such a material breach, the Recipient shall be entitled to any remedy provided herein, including but not limited to, a finding that the Contractor is not responsive.
4. Contractor must report any changes to the Utilization Plan after Contract award and during the term of the Contract to the Recipient's MBO. Contractor shall indicate the changes to the MBO in the next Monthly MWBE Contractor Compliance Report after the changes occurred. At EFC's discretion, an updated MWBE Utilization Plan form and good faith effort documentation may be required to be submitted. When a Utilization Plan is revised due to execution of a change order, the change order should be submitted to the MBO with the Monthly MWBE Contractor Compliance Report or revised Utilization Plan.
5. The Contractor shall submit copies of all fully executed Subcontracts, agreements, and purchase orders that are referred to in the MWBE Utilization Plan to the MBO within 30 days of their execution.

C. Requests for Waiver

1. If the Contractor, after making good faith efforts, is unable to comply with MWBE goals, the Contractor may submit a Request for Waiver to the Recipient documenting good faith efforts by the Contractor to meet such goals. If the documentation included with the waiver request is complete, the Recipient shall forward the request to EFC for evaluation, and EFC will issue a written notice of acceptance or denial within twenty (20) days of receipt.
2. If the Recipient, upon review of the MWBE Utilization Plan and updated Quarterly MWBE Contractor Compliance Reports determines that the Contractor is failing or refusing to comply with the MWBE Contract Goals and no waiver has been issued in regards to such non-compliance, the Recipient may issue a notice of deficiency to the Contractor. The Contractor must respond to the notice of deficiency within seven (7) business days of receipt. Such response may include a request for partial or total waiver of MWBE Contract Goals.

D. Monthly MWBE Contractor Compliance Report ("Monthly MWBE Report")

The Contractor agrees to submit a report to the Recipient by the third business day following the end of each month over the term of this Contract documenting the payments made and the progress towards achievement of the MWBE goals of the Contract. The Monthly MWBE Report must be supplemented with proof of payment by the Contractor to its Subcontractors (e.g., copies of both sides of a cancelled check) and proof that Subcontractors have been paid within 30 days of receipt of payment from the Recipient. The final Monthly MWBE Report must reflect all Utilization Plan revisions and change orders.

E. Liquidated Damages - MWBE Participation

In accordance with Section 316-a of Article 15-A and 5 NYCRR §142.13, if it has been determined by the Recipient or EFC that the Contractor has willfully and intentionally failed to comply with the MWBE participation goals, the Contractor shall be obligated to pay to Recipient liquidated damages or other appropriate damages, as specified herein and as determined by the Recipient or EFC.

Liquidated damages shall be calculated as an amount not to exceed the difference between:

1. All sums identified for payment to MWBEs had the Contractor achieved the approved MWBE participation goals; and,
2. All sums actually paid to MWBEs for work performed or materials supplied under this Contract.

The Recipient and EFC reserve the right to impose a lesser amount of liquidated damages than the amount calculated above based on the circumstances surrounding the Contractor's non-compliance.

In the event a determination has been made by the Recipient or EFC which requires the payment of damages identified herein and such identified sums have not been withheld, Contractor shall pay such damages to the Recipient within sixty (60) days after they are assessed unless prior to the expiration of such sixtieth day, the Contractor has filed a complaint with the Empire State Development Corporation – Division of Minority and Women’s Business Development (“ESD”) pursuant to Subdivision 8 of Section 313 of the Executive Law in which event the damages shall be payable if the Director of ESD renders a decision in favor of the Recipient.

V. SECTION 2 PARTICIPATION OPPORTUNITIES FOR NEW YORK STATE CERTIFIED SERVICE-DISABLED VETERAN-OWNED BUSINESSES

New York State Executive Law Article 17-B and 9 NYCRR Part 252 provide for more meaningful participation in public procurement by certified Service-Disabled Veteran-Owned Businesses (“SDVOBs”), thereby further integrating such businesses into New York State’s economy. EFC recognizes the need to promote the employment of service-disabled veterans and to ensure that certified service-disabled veteran-owned businesses have opportunities for maximum feasible participation in the performance of EFC Contracts.

In recognition of the service and sacrifices made by service-disabled veterans and in recognition of their economic activity in doing business in New York State, Contractors are strongly encouraged and expected to consider SDVOBs in the fulfillment of the requirements of the Contract. Such participation may be as Subcontractors or suppliers, as protégés, or in other partnering or supporting roles.

Contractor is encouraged to make good faith efforts to promote and assist in the participation of SDVOBs on the Contract for the provision of services and materials. The directory of New York State Certified SDVOBs can be viewed at: <http://ogs.ny.gov/Core/SDVOBA.asp>.

Contractor is encouraged to contact the Office of General Services’ Division of Service-Disabled Veteran’s Business Development at 518-474-2015 or VeteransDevelopment@ogs.ny.gov to discuss methods of maximizing participation by SDVOBs on the Contract.

VI. SECTION 3 AMERICAN IRON AND STEEL (AIS) REQUIREMENT

The requirements of this section apply to (1) all construction Contracts and Subcontracts for DWSRF projects and CWSRF treatment works projects and (2) all Contracts for the purchase of iron and steel products for a DWSRF project or CWSRF treatment works project. Disregard this section if it does not apply to this Contract or Subcontract.

The Contractor acknowledges to and for the benefit of the Recipient of the Clean Water State Revolving Fund (“CWSRF”) or the Drinking Water State Revolving Fund (“DWSRF”) financial assistance that the Contractor understands the goods and services under this Agreement are being funded with monies made available by the New York State Environmental Facilities Corporation (“EFC”) through the CWSRF or the DWSRF and that such funding is subject to certain statutory restrictions requiring that certain iron and steel products used in the project be produced in the United States (“American Iron and Steel Requirement”) including iron and steel products provided by the Contractor pursuant to this Agreement.

The Contractor hereby represents and warrants that:

- (a) the Contractor has reviewed and understands the American Iron and Steel Requirement,
- (b) all of the iron and steel products covered by the American Iron and Steel Requirement used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and
- (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Recipient.

Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Recipient to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney's fees) incurred by the Recipient resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the EFC or any damages owed to the EFC by the Recipient). While the Contractor has no direct contractual privity with the EFC, as a lender to the Recipient for the funding of this project, the Recipient and the Contractor agree that the EFC is a third-party beneficiary and neither this paragraph, nor any other provision of this Agreement necessary to give this paragraph force or effect, shall be amended or waived without the prior written consent of the EFC.

VII. SECTION 4 DAVIS-BACON (DB) PREVAILING WAGE REQUIREMENTS

The requirements of this section apply to all construction Contracts and Subcontracts greater than \$2,000 for either DWSRF projects or CWSRF treatment works projects. Disregard this section if it does not apply to this Contract or Subcontract.

For Contracts in Excess of \$2,000:

1. Minimum Wages

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein provided that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its Subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. The Davis-Bacon poster (WH-1321) can be found at <https://www.dol.gov/whd/regs/compliance/posters/davis.htm>. Wage determinations may be obtained from the US Department of Labor's website, <https://beta.sam.gov/>.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the Contract shall be classified in conformance with the wage determination. The contracting officer shall approve a request for an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

1. The work to be performed by the classification requested is not performed by a classification in the wage determination;
2. The classification is utilized in the area by the construction industry; and,
3. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), documentation of the action taken and the request, including the local wage determination shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210 and to the EPA DB Regional Coordinator concurrently. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification request within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the request and the local wage determination, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The request shall be sent to the EPA DB Regional Coordinator concurrently. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt of the request and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (1) (ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the Contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program *provided* that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding. The Recipient shall upon its own action or upon written request of the EPA Award Official or an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this Contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any Subcontractor the full amount of wages required by the Contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the Contract, the Recipient may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis–Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR § 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis–Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The Contractor shall submit weekly for each week in which any Contract work is performed a copy of all payrolls to the Recipient. Such documentation shall be available on request of EFC or EPA. As to each payroll copy received, the Recipient shall provide written confirmation in a form satisfactory to EFC indicating whether or not the project is in compliance with the requirements of 29 CFR § 5.5(a)(1) based on the most recent payroll copies for the specified week. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR § 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at <https://www.dol.gov/agencies/whd/government-contracts/construction/forms> or its successor site. The prime Contractor is responsible for the submission of copies of payrolls by all Subcontractors. Contractors and Subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the Recipient, for transmission to EFC, EPA if requested by EPA, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime Contractor to require a Subcontractor to provide addresses and social security numbers to the prime Contractor for its own records, without weekly submission to the Recipient (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a “Statement of Compliance,” signed by the Contractor or Subcontractor or his or her agent who pays or supervises the payment of the persons employed under the Contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under 29 CFR § 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR § 5.5(a)(3)(i), and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the Contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the Contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the Contractor or Subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The Contractor or Subcontractor shall make the records required under paragraph (3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the Recipient, EFC, EPA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or Subcontractor fails to submit the required records or to make them available, the Recipient, EFC, or EPA may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR § 5.12.

4. Apprentices and trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or Subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR § 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does

not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

5. Compliance with Copeland Act Requirements. The Contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this Contract.

6. Subcontracts. The Contractor or Subcontractor shall insert in any Subcontracts the clauses contained in 29 CFR § 5.5(a)(1) through (10) and such other clauses as the Recipient may by appropriate instructions require, and also a clause requiring the Subcontractors to include these clauses in any lower tier Subcontracts. The prime Contractor shall be responsible for the compliance by any Subcontractor or lower tier subcontractor with all the Contract clauses in 29 CFR § 5.5.

7. Contract Termination: Debarment. A breach of the contract clauses in 29 CFR § 5.5 may be grounds for termination of the Contract, and for debarment as a Contractor and a Subcontractor as provided in 29 CFR § 5.12.

8. Compliance with Davis–Bacon and Related Act requirements. All rulings and interpretations of the Davis–Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this Contract.

9. Disputes Concerning Labor Standards. Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its Subcontractors) and the Recipient, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

(i) By entering into this Contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government Contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. § 1001.

For Contracts in Excess of \$100,000:

1. Overtime requirements. No Contractor or Subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the Contractor and any Subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and Subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$25 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

3. Withholding for unpaid wages and liquidated damages. The Recipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any monies payable on account of work performed by the Contractor or Subcontractor under any such Contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or Subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

4. Subcontracts. The Contractor or Subcontractor shall insert in any Subcontracts the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the Subcontractors to include these clauses in any lower tier Subcontracts. The prime Contractor shall be responsible for compliance by any Subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

5. In any Contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in 29 CFR § 5.1, the Contractor or Subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the Contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the records to be maintained under this paragraph shall be made available by the Contractor or Subcontractor for inspection, copying, or transcription by authorized representatives of the Recipient and the Department of Labor, and the Contractor or Subcontractor will permit such representatives to interview employees during working hours on the job.

VIII. SECTION 5 REQUIREMENTS REGARDING SUSPENSION AND DEBARMENT

The requirements of this section apply to all Contracts and Subcontracts.

Contractor and any Subcontractors shall comply with, Subpart C of 2 CFR Part 180 as implemented and supplemented by 2 CFR Part 1532. The Contractor is not a debarred or suspended party under 2 CFR Part 180 or 2 CFR Part 1532, or 29 CFR § 5.12. Neither the Contractor nor any of its Subcontractors have contracted with, or will contract with, any debarred or suspended party under the foregoing regulations.

The Contractor and any Subcontractor have not been debarred from or deemed ineligible for Government Contracts or federally assisted construction Contracts pursuant to Executive Order 11246.

The Contractor and any Subcontractors have not been deemed ineligible to submit a bid on or be awarded a public contract or subcontract pursuant to Article 8 of the State Labor Law, specifically Labor Law § 220-b. In addition, neither the Contractor nor any Subcontractors have contracted with, or will contract with, any party that has been deemed ineligible to submit a bid on or be awarded a public contract or subcontract under Labor Law § 220-b.

In addition, the Contractor and any Subcontractors have not been deemed ineligible to submit a bid and have not contracted with and will not contract with any party that has been deemed ineligible to submit a bid under Executive Law § 316.

IX. SECTION 6 RESTRICTIONS ON LOBBYING

The requirements of this section apply to all Contracts and Subcontracts greater than \$100,000. Disregard this section if it does not apply to this Contract or Subcontract.

The Contractor and any Subcontractor executing a Contract or Subcontract in excess of \$100,000 agree to provide to the Recipient an executed Certification Regarding Lobbying pursuant to 40 CFR Part 34 ("Lobbying Certification") in the form attached hereto as Attachment 9, consistent with the prescribed form provided in Appendix A to 40 CFR Part 34.

APPENDIX E

EFC Equal Employment Opportunity Policy Statement



Environmental Facilities Corporation

New York State Environmental Facilities Corporation EQUAL EMPLOYMENT OPPORTUNITY POLICY STATEMENT NEW YORK STATE FINANCIAL ASSISTANCE PROGRAMS

I, _____, am the authorized representative of _____.

Name of Representative

Name of Contractor/Service Provider

I hereby certify that _____ will abide by the equal employment

Name of Contractor/Service Provider

opportunity (EEO) policy statement provisions outlined below.

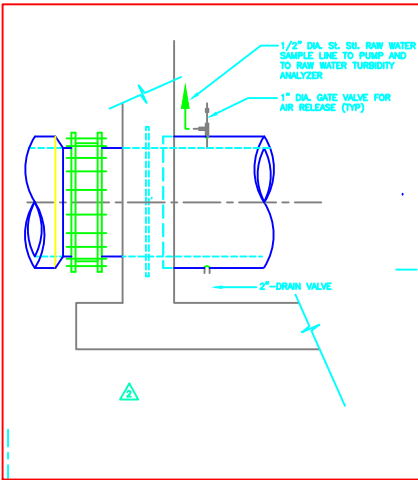
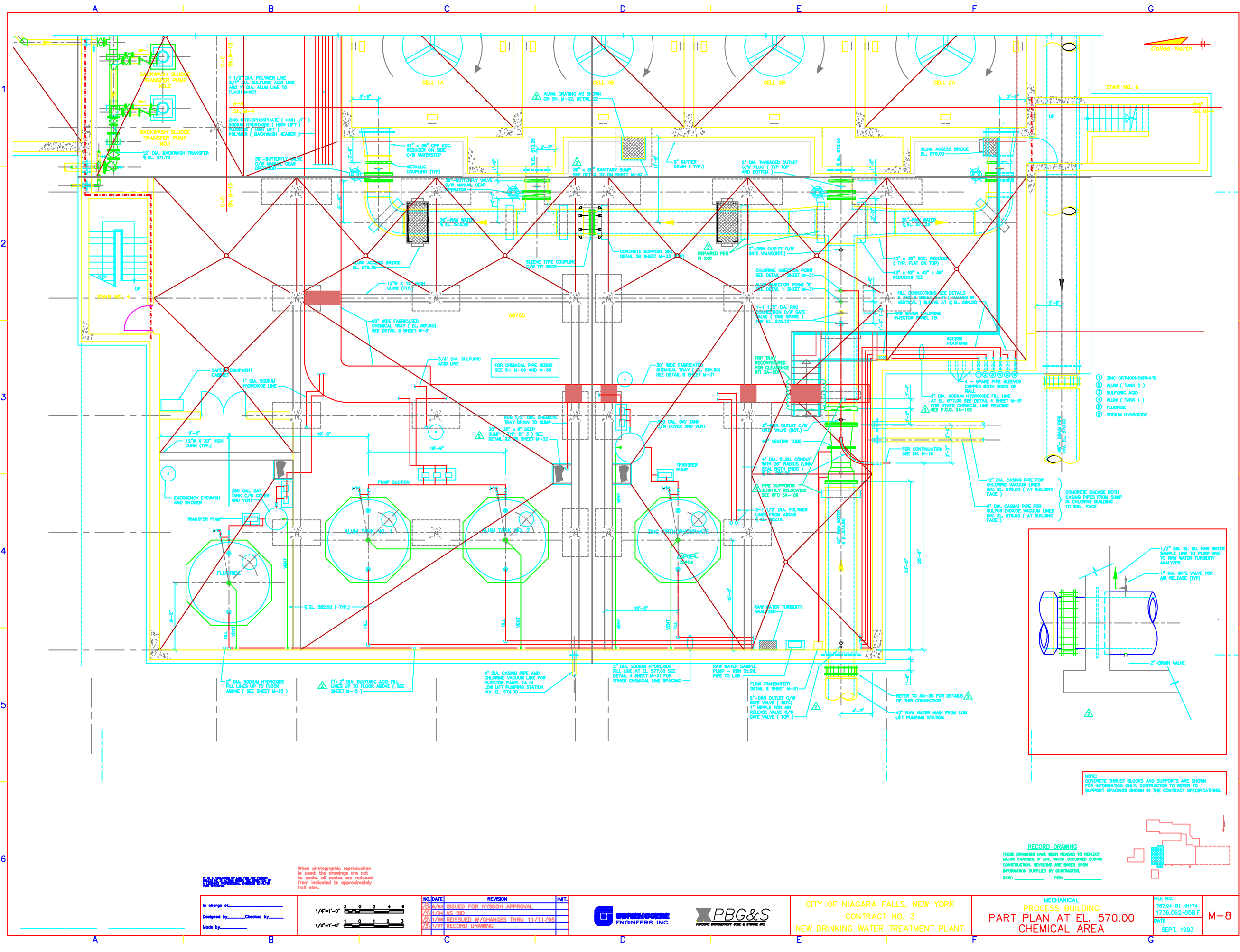
- (i) The Contractor will not discriminate on the basis of race, creed, color, national origin, sex, age, disability, or marital status against any employee or applicant for employment, will undertake or continue existing programs of affirmative action to ensure that minority group members and women are afforded equal employment opportunities without discrimination and will make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on Contracts relating to Water Grant projects.
- (ii) The Contractor shall state in all solicitations or advertisements for employees that, in the performance of the Contract relating to this Water Grant project, all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.
- (iii) The Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, labor union, or representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status, and that such union or representative will affirmatively cooperate in the implementation of the Contractor's obligations herein.
- (iv) The Contractor shall comply with the provisions of the Human Rights Law (Article 15 of the Executive Law), including those relating to non-discrimination on the basis of prior criminal conviction and prior arrest, and with all other State and federal statutory and constitutional non-discrimination provisions. The Contractor and Subcontractors shall not discriminate against any employee or applicant for employment because of race, creed (religion), color, sex, national origin, sexual orientation, military status, age, disability, predisposing genetic characteristic, marital status or domestic violence victim status.
- (v) The Contractor will include the provisions of subdivisions (i) through (iv) in every Subcontract in such a manner that the requirements of these subdivisions will be binding upon each Subcontractor as to work in connection with the Contract.

X

Contractor/Service Provider Representative

APPENDIX F

WTP Fluoride Room Drawings and Specifications



NOTE: CONCRETE THRUST BLOCKS AND SUPPORTS ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR TO REFER TO SUPPORT SPACINGS SHOWN IN THE CONTRACT SPECIFICATIONS.

RECORD DRAWING
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.
DATE: _____ PER: _____

In charge of: _____
Designed by: _____
Checked by: _____
Made by: _____

When photographic reproduction is used, the drawings are not to scale, all scales are reduced from indicated to approximately half size.



NO.	DATE	REVISION	INT.
1	10/1/93	ISSUED FOR NYSDOH APPROVAL	
2	1/1/94	AS BID	
3	1/1/94	REISSUED W/CHANGES THRU 11/11/95	
4	1/1/97	RECORD DRAWING	



CITY OF NIAGARA FALLS, NEW YORK
CONTRACT NO. 3
NEW DRINKING WATER TREATMENT PLANT

MECHANICAL
PROCESS BUILDING
PART PLAN AT EL. 570.00
CHEMICAL AREA

FILE NO.
787.24-01-01174
1736.062-058 F
DATE
SEPT. 1993

M-8

SECTION 11221

CHEMICAL METERING PUMPS

PART 1 GENERAL

1.1 WORK INCLUDED

- A. This Section covers chemical metering pumps and pump controllers used in the various chemical systems.
- B. A general description of the equipment is given herein. It is intended that the supplier supply all components of the systems described in order that the equipment perform in the manner intended.

1.2 MANUFACTURER

- A. The following pump suppliers are named to establish a standard of quality required by this project:
 - 1. Wallace & Tiernan
 - 2. Milton Roy
 - 3. Equal

1.3 SUBMITTALS

- A. In addition to those submittals detailed in the General Provisions, the following items shall be submitted:
 - 1. material selection for various chemicals
 - 2. calibration test reports

PART 2 PRODUCTS

2.1 GENERAL REQUIREMENTS

- A. Provide chemical metering pumps and appurtenances to handle the following chemicals:

Alum, Sodium Hydroxide (50% conc.), Hydrofluosilic Acid, Sulfuric Acid (93% conc.), Corrosion Inhibitor (Zinc Orthophosphate) and Polymer.
- B. Select metering pumps capable of meeting the head, capacity, and flow requirements specified. Take into account specific gravity, and viscosity of fluid being pumped.

- C. Construct pump parts and accessories in contact with chemical being pumped from materials suitable for the chemical application. Submit materials of construction for Engineer's approval.
- D. Supply pumps with simplex or duplex pump heads, totally enclosed and oil-lubricated gear casing.
- E. Supply pumps driven by TENV or TEFC type electric motors.
- F. Features and accessories required on pumps:
 - 1. motor/gear activated reciprocating diaphragm
 - 2. inlet and outlet ball check valves
 - 3. 10:1 manual stroke length adjustment
 - 4. special heads, connectors and adaptors to suit and mate with chemical piping
 - 5. 115 VAC, single phase, 60 Hz motors
- G. Supply a local control panel for each chemical pump with the following features:
 - 1. Enclosures of the types indicated on Contract Drawing No. E-12.
 - 2. Hand/Off/PLC selector switch to start/stop the motor, c/w auxiliary dry contact for indication of switch position when in PLC.
 - 3. Motor start/stop controlled by remote signal in PLC mode.
 - 4. Local/PLC switch to select the motor speed control with auxiliary dry contact for indication of switch position when in PLC. In PLC, the speed is controlled by the 4-20 mA remote input. In Local mode, the speed is controlled by the local dial.
 - 5. Chemical pump running status for indication in PLC.
 - 6. Local pump speed indication.

2.2 PUMPING ACCURACY

- A. Minimum pumping accuracy: $\pm 5\%$ of full range for each pump package.

2.3 APPURTENANCES IN THE CHEMICAL SCHEMATICS TYP

- A. Where indicated, supply adjustable pressure relief valves with operating range 0 to 150 psi, and set each valve for the specific system maximum operating pressure. Supply alloy 20 PRV for sulfuric acid system.
- B. Where indicated, supply adjustable back-pressure valve with operating range 0 to 150 psi, and set each

valve for the operating back pressure. Supply alloy 20 back-pressure valve for sulfuric acid system.

- C. Where indicated, supply 1000 ml PVC calibration tubes having a suitable scale moulded on the side of the tube.
- D. Where indicated, supply pulsation dampers having an operating range of 0 to 150 psi. Pulsation dampener shall have a diaphragm or bladder, isolating process fluid and gas. Necessary equipment and accessories to test the charge in the bladder and to permit recharging. Precharge the units to 60% of measured system operating pressure. Supply alloy 20 pulsation damper for sulfuric acid system.
- E. Appurtenances shall be sized for the piping, as shown on the Contract Drawings and shall be suitable for a working pressure of 150 psi.

PART 3 EXECUTION

3.1 PAINTING

- A. All metering pumps should be shop primed and painted to the manufacturer's standard shop painting requirements to resist chemical attack.

3.2 INSTALLATION

- A. Install metering pumps using stainless steel anchor bolts.
- B. Install pressure relief valves, back pressure valves and pulsation dampers nearest to the pumps.

3.3 START UP

- A. Chemical metering pumps equipment shall be started up, checked and calibration tests conducted on site under the supervision of a trained representative of the supplier. Sealing cement shall be placed on all calibration adjustments to reveal any later tampering.
- B. With permission of Construction Manager, if chemicals are not available, start-up and performance tests may be done using water for chemical pumps handling aqueous solutions.
- C. Arrange for field performance tests for each pump at speed settings of 100%, 50% and 10% and stroke settings of 100%, 50% and 10% at each speed, once system accuracy has been established. Submit report

for each set of tests with the supplier's letter of acceptance following start-up.

* * * * *

SECTION 11252
CHEMICAL STORAGE TANKS

PART 1 GENERAL

1.1 WORK INCLUDED

- A. This Section includes the supply and installation of storage tanks for the chemicals listed in 1.2 B below.
- B. Accessories also include platform scales and level gauges.

1.2 CHEMICAL PROPERTIES

- A. Design wood stave tanks and tank liner for satisfactory operation with the chemical specified.
- B. Use the following specific gravities for strength of material design:

Hydrofluosilicic Acid (25% wt/wt)	1.2
Aluminum Sulfate (48% wt/wt)	1.3
Sodium Hydroxide (50% wt/wt)	1.53
Corrosion Inhibitor -	
(Zinc Orthophosphate 10% wt/wt)	1.3
Sulfuric Acid (93.5% wt/wt)	1.84

1.3 SUBMITTALS

- A. In addition to those submittals detailed in the General Provisions, the following items shall be submitted:
 - 1. Product data sheets for tank liner showing the compatibility of liner material with the chemical liquid it carries.
 - 2. Design calculations of anodic (zinc anodes) protection requirement and non-destructive testing reports for carbon steel tanks.
 - 3. Mill reports for steel plate used in the fabrication of sulfuric acid tanks.

1.4 MANUFACTURERS

- A. Wood stave Tanks
 - 1. Rosenwach
 - 2. J. L. Moore - Canbar
 - 3. Equal

B. Carbon Steel Tanks

1. Highland Tanks and Manufacturing
2. A & A Fabricating
3. Equal

C. Polyethylene Tanks

1. An-Cor
2. Nalgene
3. Equal

D. Scales:

1. Weigh-Tronix
2. Howe-Richardson
3. Equal

PART 2 PRODUCTS

2.1 WOOD STAVE BULK STORAGE TANKS

- A. Supply wood stave tanks complete with covers as shown on the Contract Drawings. Install tanks on level concrete house keeping pads.
- B. Supply lumber for use in staves and bottom from live timber, straight grained, free from splits, shakes, rot and pitch, and from dry stock. Supply staves and bottom from select grade tight-knotted Douglas fir, free of heart center, with a thickness of not less than 2.5 inches.
- C. Fabricate hoops of high quality mild steel, coated with a continuous plastic sheath. Supply lugs, nuts and other metal appurtenances of epoxy coated steel.
- D. Support the tank on wood dunnage to provide a suitable and adequate foundation so that stresses and deflections do not occur in the tank. Fasten the wood staves at the top perimeter of the tank in a manner to prevent the staves from becoming disengaged when the tank is empty.
- E. Treat all underlayers with rot-preventing materials. Do not treat staves.
- F. Design, fabricate and install tanks in such a manner as to be complete and suitable for the intended bulk storage of the chemicals listed in Part 1.
- G. Provide each tank with suitably sized rigid PVC and/or resin-reinforced fibreglass flanged connections for the following:

1. 2 inch fill pipe
2. 3 inch vent pipe
3. 3 inch overflow pipe
4. 2 inch solution outlet
5. 2 inch drain
6. level sight glass connections (top & bottom)
7. 4 inch electronic level transmitter mounting flange

2.2 LINER FOR WOOD STAVE TANK

- A. Liner shall be of the closed top type fabricated from PVC sheet of 0.06 inch minimum thickness. The PVC material should be suitable for temperature range between 40° to 100°F, and be compatible with the chemical being stored. Provide sheet plastic underlay between liner and wood staves.
- B. Design and make all joints so that the joint performance is equal to that obtained from the materials being joined.
- C. Allow material for expansion and contraction and avoid bridging in the corners of the tank.
- D. Carefully connect the liner around the top of the tank to prevent bulging or tearing.
- E. Provide a repair kit for the tank liner and include swatches of the PVC material, bonding compound and repair instructions.

2.3 COVER FOR WOOD STAVE TANK

- A. Provide each wood stave tank with a plywood cover. Design the cover for a 300 lb load capacity.
- B. Provide 24 inch diameter manhole in plywood cover.

2.4 STEEL TANKS FOR SULFURIC ACID

- A. Design and supply two horizontal cylindrical tanks as shown on the Contract Drawings, of welded construction suitable for storage of sulfuric acid (93.5% wt/wt) having a specific gravity of 1.835. The content is at atmospheric pressure and normal room temperature. Dimensions given in the Payment Items should be regarded as nominal only. The tank fabricator is responsible to design tanks to provide the specified storage.
- B. Construct the tanks of A-516 Gr. 70 carbon steel plate and incorporate a $\frac{1}{4}$ inch corrosion allowance in the shell thickness design. Conform with ASME Pressure Vessel Code Section VIII. Lap joints should

not be used in the shell construction, and all butt welds shall be full penetration.

- C. All welders, and welding procedures must be qualified in accordance with ASME Section IX. Perform 100% radiography of all butt welds. Rounded indications of any size are not acceptable.
- D. Support tanks on fabricated steel saddles so that the underside of the tank is 18 inch above the floor. Saddles shall be continuously welded to eliminate crevices between saddle and shell plate.
- E. Provide each tank with the following schedule 80 steel pipe, 150 lb. flanged connections:
 - 1. 2 inch fill pipe
 - 2. 3 inch vent pipe
 - 3. 2 inch overflow pipe
 - 4. 1 $\frac{1}{4}$ inch solution outlet
 - 5. 1 inch drain
 - 6. level indicator connections (2 required, top and bottom)
 - 7. 4 inch level transmitter mounting connection
 - 8. 30 inch diameter manway

Solution outlet pipe shall extend 2 inch above tank invert.

- F. Design and provide anodic protection utilizing zinc anodes for the interior of the sulfuric acid tank to reduce corrosion and repairs and to reduce iron pickup in the acid.
- G. Provide each tank with 10 year protection life before replacement of zinc anodes is required. Provide design calculations stamped by a Professional Engineer licenced to practice in the State of New York who is completely familiar with sulfuric acid properties.
- H. Anodic protection system to be designed by a firm with recognized experience and competence in this field. The Construction Manager may request evidence of experience and competence.

2.5 LEVEL INDICATION

- A. Wood Stave Tanks
 - 1. Provide level sight glass of transparent pipe construction, of material suitable for service intended, and complete with isolating valves and fittings. Protect the sight tube from damage with a suitable guard.

2. Provide gauge scales of metal or plastic, graduated in gallons, numbered from the bottom up with zero set at the invert of the tank liner.

B. Sulfuric Acid Tanks

1. Provide Magnetic Liquid Level Indicators (MLLI) as manufactured by Imo Industries Inc., Kenco Engineering or equal.
2. Supply MLLI's to read the full liquid level of the tank and feature the following design:
 - a. 316 st.stl. housing and float
 - b. 1 inch - 150#ANSI Flange connection
 - c. brilliant orange indicators activated by magnet-equipped float
 - d. scale calibrated in 100 gallons graduations

2.6 DAYTANKS

- A. Provide impact resistance translucent polyethylene daytanks with tight fitting covers complete with fittings as shown on the Contract Drawings for the Sodium Hydroxide, Hydrofluosilicic Acid and the Corrosion Inhibitor systems.
- B. Take into account the higher specific gravity of these chemicals in determining the required wall thickness. Provide wood girdle reinforcement if necessary.
- C. Provide graduated scale on the side of the tanks to indicate volume in 10 gallon increments, numbering from top down to show amount remaining.
- D. Provide flanged connections for:
 1. 2 inch fill pipe
 2. 3 inch vent pipe
 3. 2 inch overflow pipe
 4. 2 inch metering pump suction pipe

2.7 PLATFORM SCALE

- A. Provide low profile platform weigh scales for the Hydrofluosilicic Acid, sodium hydroxide and the Corrosion Inhibitor daytanks.
- B. Provide weigh scales with the following features:
 1. 48 inch x 48 inch square 304 stainless steel platform to accept 36 inch and 48 inch diameter circular daytanks
 2. 120 V, 60 Hz power supply, factory pre-wired

3. Temperature compensated load cell
4. Local wall mount digital display unit with bright LED read out and provision for auto tare, manual tare set and push button zero features
5. 4-20 mA output signal
6. Capacity 5000 lb
7. NEMA 4 instrument enclosure

2.8 TANK IDENTIFICATION

- A. Provide labels of clear legible type and locate in a prominent position on each tank acceptable to the Construction Manager. Provide two labels for each chemical tank.
- B. For wood stave tanks, provide plastic labels with red lettering on a white background. For the carbon steel tanks, stencil labels with red lettering on a white background.
- C. Identify tank contents by letters at least 6 inches high and at least $\frac{1}{2}$ inch thick as follows:

"HYDROFLUOSILICIC ACID"
"LIQUID ALUM"
"SODIUM HYDROXIDE"
"CORROSION INHIBITOR"
"SULFURIC ACID"

PART 3 EXECUTION

3.1 INSTALLATION OF TANK LINER

- A. Complete all work in and around each tank including constructing covers and cleaning tank interiors before commencing installation of the tank liner.
- B. Ensure the tank liner manufacturer's representative inspect the interior surfaces of the tank to satisfy himself that the surfaces are adequately prepared. Do not install tank liner until the manufacturer's representative has approved the retaining structure.
- C. Have the manufacturer's representative visually inspect and accept the tank lining before it is installed.
- D. Have the manufacturer's representative supervise the liner installation.

3.2 LEAKAGE TESTING OF TANK LINER

- A. After the tank liner has been installed, leakage test the tank by filling with potable water for a period

of not less than 48 hours.

- B. Repair any leaks and re-test until leaktight.
- C. After successful completion of the leakage testing, remove all foreign material from tank, and wash clean to prepare for service intended.
- D. Have the manufacturer's representative provide a letter to the Construction Manager indicating that the tank has been installed to his satisfaction and that it is ready for use as intended.

3.3 SERVICING

- A. Re-tighten the metal hoops on the wood stave tanks before the end of the Guarantee period to compensate for any drying and shrinkage.

3.4 INSTALLATION OF SULFURIC ACID TANK

- A. Paint the steel tanks at the fabricator's shop before shipment. Remove oil, grease and foreign matter by solvent or chemical cleaning, in accordance with the requirements of Steel Structures Painting Council SSPC-SP1.
- B. Before sandblasting:
 - 1. Grind sharp edges and welds to a smooth minimum radius of 0.1 inch.
 - 2. Surfaces shall contain no gouges, handling marks, metal stamp marks, slivered steel, or other surface flaws. Repair flaws by welding and grinding.
 - 3. Remove under-cuts, pinholes, and other such irregularities.
 - 4. Remove weld splatter.
- C. Sandblast exterior tank surfaces in accordance with the requirements of the Steel Structures Painting Council SSPC-SP10, Near White Blast Cleaning.
- D. On completion of surface preparation and blast cleaning, immediately prime paint equipment to prevent flash rusting. Repair any damage to Prime Coat resulted during delivery and installation.
- E. Paint the steel tanks with a two component epoxy resistant to acid splash and fume. Color selection to be advised by the Construction Manager. Provide 5 gallon of the same paint, and touch up any damaged coating on site after installation.
- F. Interior tank area shall not be painted.

- G. All coatings to conform with NSF standard 61.
- H. Install the sulfuric acid tanks as shown on the contract Drawings and in accordance with the manufacturer's recommendations.
- I. Pressure test the tanks at ⁶⁰50 psi with air on site. Check all weld seams for leakage with soap solution. No leakage will be permitted. Take extreme care to prevent moisture from entering the tank. Provide blank off flanges for all openings. Before filling the tank with sulfuric acid, blow dry hot air into the tank continuously for one hour to rid all moisture.

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