

**Addendum No. 1  
to the Bidding Documents**

**WPCF Upgrade – UV Disinfection System Equipment Pre-Selection  
Town of Vernon, Connecticut  
Vernon Water Pollution Control Facility**

**Issued November 29, 2017**

Under the provisions of Article 7 of Section 00200, Instructions to Bidders, Bidders are informed that the Bidding Documents for the above mentioned Project are modified, corrected, and/or supplemented as follows. Addendum No. 1 becomes part of the Bidding Documents and Contract Documents.

Acknowledge receipt of this addendum by inserting its number on Page 00410-3, Article 5.2 of the Bid form. Failure to acknowledge receipt of the Addendum may subject the Bidder to disqualification.

**Project Manual Changes**

**Item 1-1 Section 00410 – Form for Bid**

**Delete** Section 00410 in its entirety and **replace** it with the attached Section 00410.

**Clarification:** *Changes to the bid form consist of:*

- *Deleting cross-references to lamp aging and fouling factors in paragraph 5.3B.1*
- *Changing “6.0 MGD” to “22.0 MGD” in paragraph 5.3B.1 Item 6*
- *Changing “minutes/module” to “minutes/operating season” in paragraph 5.3B.1 Item 28b.1*
- *Clarified the applicable operating conditions in paragraph 5.3B.1 Items 28b and 28c*
- *Added the word “electrical” before the words “operating costs” in paragraph 5.3C.a*
- *Changing “May 2003” to “2012” in paragraph 5.5M and adding the following sentence:*
  - *“If the Bidder considers the requested validation report to be confidential, then Bidder may alternatively submit a signed certificate indicating that the validation report meets all applicable requirements and indicating the validated design factors and range of flows and UVTs.”*

**Item 1-2 Section 11262 – Ultraviolet Disinfection System**

**Delete** paragraph 1.3C in its entirety and **replace** it with the following:

"C. The following design factors (lamp aging factor, lamp fouling factor) are the maximum that may be used in the Seller's design calculations. No factors used for the design calculations can exceed the manufacturer's own validated factors. All factors have to be proven with third party validation test reports provided with the bid:

Lamp Aging Factor: 0.80

Lamp Fouling Factor: 0.88 (based on clean sleeves)"

**Item 1-3 Section 11262 – Ultraviolet Disinfection System**

**Delete** the words "May 2003" and **replace** them with "2012" in paragraph 1.5I.1.

**Item 1-4 Section 11262 – Ultraviolet Disinfection System**

**Replace** the word "parts" with "consumable parts (lamps, ballasts, sleeves, wiper seals/sleeve wipers, wiper chemicals)" in paragraph 1.6D.

**Bidding Period Questions & Responses**

The following responses/clarifications are based on questions raised during the bidding period.

1. Will the use of third party validated lamp life and quartz fouling factors higher than specified be acceptable?

*No. Refer to Section 11262, Paragraph 1.3C as modified above. This is to be consistent with TR-16.*

2. Is it your intention to operate both channels even though flows are low enough that one channel can handle all flow at average conditions?

*Yes. The retrofit configuration makes routinely operating one channel problematic for the operators, so the intention is to operate two channels under normal conditions.*

3. Will the Seller be held to the terms and conditions of the RFP, or will there be the opportunity to negotiate contract terms and conditions with the selected contractor (Buyer)?

*The provisions contained in this UV Disinfection System Equipment Pre-Selection Document apply. However, contract terms not addressed herein may be negotiated between the Seller (UV manufacturer) and the Buyer (general contractor). The entire pre-selection package along with the Seller's bid price will be given to general contractors to develop their bids.*

4. Section 00410, Item 5.5C.6 asks for the number of additional 12" diameter baffle holes in post aeration tank training wall required (each, per aeration tank). Please clarify the purpose of the requirement.

*This item was included in the bid form because the post aeration tank training wall stands between the UV channels and the weir that controls the level within the UV channels. The number of baffle holes in this wall will impact the difference between the water level at maximum flow rate and minimum flow rate, which the UV system must be designed to accommodate. If the current number of baffle holes results in too much head loss for the Bidder's design, this bid item gives the Bidder the opportunity to ask for additional holes as needed and for this work to be included in the total life cycle cost analysis. The hydraulic*

*profile models the loss of the baffle holes as a submerged 12" orifice with orifice coefficient 0.6 (10 per train) resulting in a headloss of 0.203 feet at 22.0 mgd which is in addition to the losses of the weir.*

5. During the conditions specified in Section 00410 Item 5.5O, please confirm if the Seller is subject to the performance penalties as specified in Section 11262 paragraph 1.4. Please confirm that the following criteria can be met:
- Performance testing will only be conducted if the water quality of the flow going into the UV system does not exceed design conditions as listed in the RFP (e.g. TSS, particle size, UVT, etc.).
  - No residual powdered activated carbon is present in the water during performance testing.
  - If any residual powdered activated carbon was present before performance testing, the UV channels have been cleaned and are free of settled activated carbon particulates in the UV channel.

*As specified in Section 11262 paragraph 3.3A, the O&M Performance Penalty will not apply during the Performance Testing of the first channel, (which is expected to occur during the above stated conditions). The O&M Performance Penalty will only apply to the second Performance Test, which will be conducted after the Cloth Media Filtration System is operational. Each Performance Test will only be conducted if the water quality of the flow entering the UV system does not exceed the design criteria for flow rate, TSS, and UVT (11262 1.3). However, while the Zimpro PACT-WAR system is operational, a portion of the TSS is anticipated to be powdered activated carbon (PAC). Settled PAC is not anticipated to be visibly present in the UV channels, and Bidders are welcome to require that the UV channels be visibly free of settled activated carbon particulates prior to performance testing.*

6. Is the Seller required to provide cable trays for the project or are they part of the Buyer's (general contractor's) scope?

*It is recommended that Bidders provide cable trays with suitable covers to protect cables. Bidders may choose whether to include the cable trays. If they are not included, then the cost to design and provide suitable systems will be factored into the total life cycle cost analysis for the Bidder's bid.*

7. Can you please clarify what is required to be in the separate bound documents referred to in Section 00410 paragraph 7.1C?

*Evidence of Bidder's qualifications and supplementary information specified in Section 00410 Article 5.*

END OF ADDENDUM NO. 1

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SECTION 00410

FORM FOR BID

PROJECT IDENTIFICATION:

Vernon CT Water Pollution Control Facility Upgrade Project  
UV Disinfection System Equipment Preselection

TABLE OF ARTICLES

1. Bid Recipient
2. Bidder's Acknowledgements
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5. Basis of Bid
6. Time of Completion
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8. Bid Submittal

ARTICLE 1 - BID RECIPIENT

- 1.1 This Bid is submitted to:

Town of Vernon Office of the Town Administrator  
14 Park Place  
Vernon, CT 06066

- 1.2 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents. This agreement will stipulate that the Bidder's Goods and Special Services as specified or indicated in the Bidding Documents will be furnished at the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents and the upcoming upgrade project.

ARTICLE 2 - BIDDER'S ACKNOWLEDGEMENTS

- 2.1 Bidder accepts all of the terms and conditions of the Advertisement for Bids and Instructions to Bidders, including without limitation, those dealing with the disposition of Bid deposit. The Bid will remain subject to acceptance until October 1, 2019, or for such longer period of time that Bidder may agree to in writing upon request of Buyer.

ARTICLE 3 - BIDDER'S REPRESENTATIONS

- 3.1 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:
- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents and hereby acknowledges the receipt of all Addenda.

- B. Bidder has visited the Point of Destination and site where the Goods are to be installed or Special Services will be provided and become familiar with and satisfied as to the observable local conditions that may affect cost, progress, and furnishing of Goods and Special Services, if required to do so by the Bidding Documents, or if, in Bidder's judgement, any local condition may affect cost, progress, or the furnishing of Goods and Special Services.
- C. Bidder is familiar with and has satisfied itself as to all federal, state and local Laws and Regulations that may affect cost, progress and furnishing of Goods and Special Services.
- D. Bidder has carefully studied, considered, and correlated the information known to Bidder; information commonly known to sellers of similar goods doing business in the locality of the Point of Destination and the site where the Goods will be installed or where Special Services will be provided; information and observations obtained from Bidder's visits, if any, to the Point of Destination and the site where the Goods will be installed or Special Services will be provided; and any reports and drawings identified in the Bidding Documents regarding the Point of Destination and the site where the Goods will be installed or where Special Services will be provided, with respect to the effect of such information, observations, and documents on the cost, progress, and performance of Seller's obligations under the Bidding Documents.
- E. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Goods and Special Services that are to be furnished as indicated in the Bidding Documents.
- F. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- G. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for furnishing the Goods and Special Services for which this Bid is submitted.
- H. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon furnishing the Goods and Special Services required by the Bidding Documents.

#### ARTICLE 4 - BIDDER'S CERTIFICATION

- 4.1 Bidder certifies that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
- 4.2 Bidder certifies that Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
- 4.3 Bidder certifies that Bidder has not solicited or induced any individual or entity to refrain from bidding.
- 4.4 Bidder certifies that Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph:

- A. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
- B. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of the Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
- C. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
- D. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process.

**ARTICLE 5 - BASIS OF BID**

5.1 Bidder proposes to furnish all Goods and Special Services required for construction of the UV Disinfection System for the Vernon CT WPCF Phosphorus Upgrade Project in accordance with the accompanying Bidding Documents prepared by Tighe & Bond, Inc., for the Contract Prices specified in Article 5 Paragraph 5.3A at the guaranteed operation and maintenance values and costs specified in Article 5 Paragraph 5.3B, with additional supporting equipment information, documentation and bidder qualifications as described in Article 5 Paragraphs 5.4, 5.5, and 5.6, all according to the terms of the Bidding Documents.

5.2 This Bid includes Addenda numbered \_\_\_\_\_

5.3 The proposed Contract Prices and Guaranteed Operation and Maintenance Costs are provided in Paragraphs 5.3.A and 5.3.B below:

**A. CAPITAL COST**

Item No.	Unit of Measure	Description	Total Price Dollar Figures
			Total Price Written Words
1	L.S.	Supply the UV Disinfection System as specified herein including all ancillary equipment, spare parts, tools, and Special Services not included in Items 2 and 3 below.	\$
2	L.S.	Extended Warrantee for Lamps and Ballasts - The added cost to meet the warrantee requirements specified in Section 11262, Paragraph 1.7 if beyond the manufacturer’s standard warrantee.	\$
3	L.S.	Seller’s Service Agreement – Two-year service agreement as specified in Section 11262, Paragraph 1.11.	\$
<b>TOTAL UV DISINFECTION SYSTEM BID PRICE CAPITAL COST Sum of Items 1, 2 and 3 Above</b>			\$

**B. OPERATION AND MAINTENANCE GUARANTEE**

1. General Items: In filling out the tables below, the guaranteed power and energy usage numbers shall be on the validated lamp aging and fouling factors (not an average) and the maximum factors applied shall not exceed those noted in specification section 11262. The total system power demand shall not take into account the active operation of in channel cleaning equipment. Energy consumption for cleaning shall be accounted for separately.

Item Number	Item Name / Description	Units	Value/Cost
1.	Total UV Disinfection System Power Demand at 1.0 MGD & UV Transmittance at 253.7 nm setting of 65% (including all required Power Distribution Center related power – with two UV channels online)	(KW)	_____
2.	Total UV Disinfection System Power Demand at 2.0 MGD & UV Transmittance at 253.7 nm setting of 65% (including all required Power Distribution Center related power) – with two UV channels online	(KW)	_____
3.	Total UV Disinfection System Power Demand at Current Average Flow (2.95 MGD) & UV Transmittance at 253.7 nm setting of 65% (including all required Power Distribution Center related power) – with two UV channels online	(KW)	_____
4.	Total UV Disinfection System Power Demand at 4.0 MGD & UV Transmittance at 253.7 nm setting of 65% (including all required Power Distribution Center related power) – with two UV channels online	(KW)	_____
5.	Total UV Disinfection System Power Demand at Design Average Flow (4.8 MGD) & UV Transmittance at 253.7 nm setting of 65% (including all required Power Distribution Center related power) – with two UV channels online	(KW)	_____
6.	Total UV Disinfection System Power Demand at 22.0 MGD & UV Transmittance at 253.7 nm setting of 65% (including all required Power Distribution Center related power) – with two UV channels online	(KW)	_____

7.	Maximum Total UV Disinfection System Power Demand (All Lamps On and Operating at 100% Power) including redundant units (including all required Power Distribution Center related power) – with two UV channels online	(KW)	_____
8.	Total UV Disinfection System Power Demand without ANY lamps on (including power related to routine cleaning of both UV channels, Power Distribution Centers, and the System Control Center).	(KW)	_____
9a.	Is In-channel air scour required?	(Yes/No)	_____
9b.	In-channel air scour (cost) (If not required the costs will not be incorporated in the evaluation; however, the Seller shall guarantee this cost as an adder price if the Buyer elects to incorporate this option into the project.)	(\$)	_____
10.	Warrantied lamp operating life (non-prorated) (maximum 4 cycles of on/off per day on average)	(Hours)	_____
11.	Warrantied lamp operating life (non-prorated) (greater than 4 cycles on/off per day on average)	(Hours)	_____
12.	Warrantied ballast life (non-prorated)	(Years)	_____
13.	Warrantied wiper seal/sleeve wiper life (non-prorated)	(Years)	_____
14.	Warrantied quartz sleeve life (non-prorated)	(Years)	_____
15.	Warrantied UV intensity sensor life (non-prorated)	(Years)	_____
16.	Warrantied UV transmittance monitor (sensor and analyzer unit) life (non-prorated)	(Years)	_____
17.	In-channel air scour blower life (if required)	(Years)	_____
18.	Average operator time to replace a lamp	(Minutes)	_____
19.	Average operator time to replace a ballast	(Minutes)	_____
20.	Average operator time to replace a wiper seal/sleeve wiper	(Minutes)	_____
21.	Average operator time to replace a quartz sleeve	(Minutes)	_____
22.	Lamp Replacement Cost (10 year Guaranteed Price)	(\$ per lamp)	_____
23.	Replacement ballast (10 year Guaranteed Price)	(\$ per ballast)	_____
24.	Replacement wiper (10 year Guaranteed Price)	(\$ per wiper)	_____

- 25. Replacement quartz sleeve (10 year Guaranteed Price) (\$ per sleeve) \_\_\_\_\_
- 26. Replacement UV Intensity Sensor (10 year Guaranteed Price) (\$ per unit) \_\_\_\_\_
- 27. Replacement in-channel air scour blower (if required) (10 year Guaranteed Price) (\$ per unit) \_\_\_\_\_
- 28. **Manufacturer shall designate their intended method for cleaning and fill out the associated section below.**
  - Chemical Usage/ In-Service (In Channel Chemical Cleaning) \_\_\_\_\_
  - Out-of-Service (Out-of-Channel) Chemical Cleaning \_\_\_\_\_

28a. General Cleaning

- 28a.1. Required chemical cleaning solution (type) \_\_\_\_\_
- 28a.2. Chemical cleaning solution cost (\$ per gallon) \_\_\_\_\_
- 28a.3. Cleaning Cycles per day (Cycles/Module/Day) \_\_\_\_\_
- 28a.4. Power Consumption per cleaning cycle (kWH/cycle/module) \_\_\_\_\_

28b. In Channel Chemical Cleaning (Current Flows and Loads, 2 Channels in Operation, All Modules)

- 28b.1. Operator time required to maintain the chemical cleaning equipment (chemical fills, etc.) (minutes/operating season) \_\_\_\_\_
- 28b.2. Chemical usage at average design conditions (disinfection period May 1 – September 30) (gallons/module/month) \_\_\_\_\_
- 28b.3. Chemical usage at average design conditions (no-disinfection period October 1 – April 30). Assume modules are left in the channel with flow but no UV. (gallons/module/month) \_\_\_\_\_

28c. Out-of-Service (Out-of-Channel) Chemical Cleaning (Current Flows and Loads, 2 Channels in Operation, All Modules)

	28c.1. Chemical usage	(gallon/module cleaned)	
	28c.2. Required rate of module chemical cleaning at average design conditions (each module shall be cleaned at least once annually)	(modules/month)	
	28c.3. Operator time required to chemically clean a module	(minutes/module)	
	28c.4. Power required for air scour	(KWH/module cleaned)	
29.	Annual Maintenance Labor Requirement	(Man Hours/Module/year)	
30.	Annual Maintenance Equipment Cost	(\$/module/year)	

Include the cost (and provide with the bid a list) of replacement equipment and consumables for which unit costs are not listed in the bid form. This shall include, but not be limited to, other chemicals or substances, compressed air, components requiring routine replacement, or other components of the equipment with a useful life of less than 20 years. Include annualized unit costs based on past experience. Note that this does not obligate the Buyer to purchase these items through the Seller.

- C. The Bidder acknowledges that this bid will be evaluated using the Guaranteed Operational and Maintenance Values and Costs included in Paragraph 5.3B in the following manner:
  - a. The annual electrical operating costs will be based on 152 days of operation (May 1 – September 30) assuming a UVT of 65% and the following weights based on operating conditions assigned to the guaranteed costs/values:

Flow (MGD)	Weighting
1.0	10%
2.0	15%
2.95	30%
4.0	25%
4.8	15%
22	5%

- D. The Bidder acknowledges the Guaranteed Operational and Maintenance Values and Costs included in Paragraph 5.3B must be guaranteed for the time periods described in Article 18 of the Instructions for Bidders (Section 00200).

5.4 A summary of the proposed equipment, a detailed breakdown of the operational and maintenance values used to back up the values in Paragraph 5.3.B, and delivery schedule to be provided is as follows:

A. General Equipment

		Proposed
1.	Number of banks	_____
2.	Number of modules	_____
3.	Number of lamps	_____
4.	Number of ballasts	_____
5.	Number of sleeves and wipers	_____
6.	Number of UV intensity sensors	_____
7.	Number of power distribution centers	_____
8.	Number of system control centers	_____
9.	Post Aeration Tank weir length required (feet; greater than 29' requires Seller to provide replacement Post Aeration Tank weir)	_____

B. Operating Conditions at Specified Scenarios

		Proposed
1.	Number of banks on-line per channel at peak flow rate & UV Transmittance at 253.7 nm setting of 65 %	_____
2.	Minimum number of lamps on-line per channel at peak flow rate & UV Transmittance at 253.7 nm setting of 65 %	_____
3.	Method of lamp output variation (dim, on/off, etc.)	_____
4.	Level control method via flow control weir (type)	_____

C. Hydraulics

		Proposed
1.	Head loss from upstream of the first module of lamps to downstream of the last module of lamps prior to the post aeration tank training wall at design average flow (inches, refer to maximum allowable value shown on Figure 4 in Appendix A)	_____
2.	Head loss from upstream of the first module of lamps to just downstream of the last module of lamps prior to the post aeration tank training wall at peak hour flow with both UV channels in service (inches)	_____

- 3. Minimum water depth within the UV channel with UV equipment operating (inches)
- 4. Recommended UV effluent weir elevation. Refer to Paragraphs 1.3.F and 2.7 of Section 11262 for existing conditions and design constraints.
- 5. Recommended UV channel invert elevation based on recommended UV effluent weir elevation.
- 6. Number of additional 12” diameter baffle holes in post aeration tank training wall required (each, per aeration tank)
- 7. What is the lowest flow that each UV channel can handle before non-uniform flow through the channel becomes a design factor. If this flow is greater than the specified typical daily low flow rate divided by two channels, then attach a detailed explanation on how the design factor will be addressed to guarantee performance.

**D. Delivery Schedule**

	Duration
1. Preliminary Shop Drawings (weeks from Owner’s request, maximum of 8)	
2. Shop Drawings (weeks from execution of purchase order with the Buyer, maximum of 10)	
3. Delivery of Goods (weeks from Shop Drawing Approval, maximum of 22)	

**5.5 The following supplementary information is provided with the Bid:**

- A. Written description and Seller’s literature of the proposed system.
- B. Dimensioned plans and sections of the proposed system process equipment including locations of modules, banks, lamps, hoists, cleaning equipment, spare equipment and out of service equipment storage, field instruments, power distribution centers, controls and control panels, major power cable chases, and all other major system components.
- C. Dimensioned plans and sections of the proposed system layout including required number of channels, channel/tank widths, lengths, depths, relative water surface elevations, and minimum relative elevations of all equipment to be supplied.
- D. Using the AutoCAD .dwg files that were made available by the Engineer as described in Section 00200, Article 3, submit proposed arrangement drawings showing Seller’s equipment within the Owner’s existing structures as they are illustrated on Figures 5 and 6 included in Appendix A. These layouts shall include dimensions, elevations, and locations of all proposed equipment including UV modules, level control weirs, cleaning equipment, System Control Center, Power Distribution Centers, and lifting

equipment. Layouts shall also include channel dimensions and demonstrate compliance with all dimensional limitations in Appendix A.

- E. Written description of any specific equipment requirements such as the need for equipment to be protected from weather and the elements.
- F. Written description of proposed method for compliance of redundancy requirements.
- G. Details of any special equipment required.
- H. Details of operation of the system (labor requirements to operate and maintain equipment) including weekly and monthly maintenance schedule. Include a listing and the cost of replacement equipment and consumables for which unit costs are not listed in the bid form. This shall include, but not be limited to, other chemicals or substances, compressed air, components requiring routine replacement, or other components of the equipment with a useful life of less than 20 years.
- I. Details of power distribution cabinets and control systems (control panel layouts and wiring schematics).
- J. Details demonstrating the ability of the proposed system to hydraulically pass the range of flows as required to meet the average day and peak hour flow rates. Include confirmation that the system complies with paragraphs 1.3.F and 2.7 of Section 11262.
- K. Written description of any requirements for flow splitting methodology between UV channels.
- L. Third party validation test reports for lamp design factors used in the Seller's design calculations.
- M. Bioassay test report prepared by a certified laboratory independent of the manufacturer. The bioassay completed, shall be on the proposed system lamps to verify the anticipated performance. The bioassay shall show the UV dose produced by the system as a function of flow per lamp. Clearly note the MS-2 sensitivity used and reference the page and paragraph location of the test data) in the bioassay test report. Sizing calculations based on validation data must show compliance with the specification. The manufacturer's bioassay validation methodology as carried out by an independent third party, shall follow protocols described in the U.S. EPA Design Manual - Municipal Wastewater Disinfection (EPA/625/1-86/021) and be in accordance with NWRI Ultraviolet Disinfection Guidelines for Drinking Water and Water Reuse (2012). If the Bidder considers the requested validation report to be confidential, then Bidder may alternatively submit a signed certificate indicating that the validation report meets all applicable requirements and indicating the validated design factors and range of flows and UVTs.
- N. Guarantee of parts availability from the Seller for 20 years after purchase. Should replacement parts not be available from the Seller, said Seller must replace all parts needed to bring the device to a working condition or replace the entire UV disinfection system with a complete system of equal performance.
- O. A statement declaring that the UV Disinfection System can be started up, operated, and performance tested as specified during the following stated conditions:

1. While the Zimpro PACT-WAR system is still in operation and the incoming TSS includes residual powdered activated carbon
  2. After the existing sand filters have been demolished, and
  3. Before the Cloth Media Filtration System is operational
- 5.6 The Seller represents to the Owner the following as evidence of Seller's qualifications (evaluated as described in Section 00200) to supply the equipment and provide services specified herein:
- A. Number of years Seller has been in business under the name in which these Goods and Special Services will be furnished.
  - B. Provide a list of open channel UV installations of the proposed model of the UV disinfection system in municipal effluent in the United States at municipal wastewater treatment facilities. Note that the listed projects must be of the same type and service application as proposed for this project. Include the following items as part of the list:
    1. Name of wastewater treatment facility
    2. Name, Address, and telephone number of Buyer, with a contact person who can address the performance and maintenance of the proposed equipment
    3. Design flow rates including average annual maximum month, maximum day, and peak)
    4. Date system was installed and placed in operation
    5. Number of lamps, banks, and channels in the system
    6. Lamp Type
    7. Method of level control
    8. Indicate if the system follows a tertiary phosphorus removal system
  - C. Provide proof and the address of the closest factory certified service center to the Vernon facility.

**ARTICLE 6 - TIME OF COMPLETION**

- 6.1 Bidder agrees that the furnishing of Goods and Special Services will conform to the schedule set forth in Article 5 of the Agreement.
- 6.2 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 7 - ATTACHMENTS TO THIS BID**

- 7.1 The following documents are attached to and made a condition of this Bid:
  - A. Bid deposit in the amount of \_\_\_\_\_ dollars (\$ \_\_\_\_\_), consisting of a bid bond in the amount of five percent of the total amount of Bid provided in paragraph 5.3.A of this section.
  - B. A letter from surety indicating that the Bidder currently qualifies for the performance bond required as detailed in these documents

- C. Evidence of Bidder's qualifications in accordance with Article 5 of this Bid as well as Supplementary Information Specified in Article 5. Include as a separate bound document with cover sheet entitled "Bidders Qualifications and Supporting Technical Information".
- D. Evidence of authority to sign.

ARTICLE 8 - BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:

*[Signature]* \_\_\_\_\_

*[Printed name]* \_\_\_\_\_

*(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest:

*[Signature]* \_\_\_\_\_

*[Printed name]* \_\_\_\_\_

Title: \_\_\_\_\_

Submittal Date: \_\_\_\_\_

Address for giving notices:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Contact Name and e-mail address: \_\_\_\_\_

\_\_\_\_\_

Bidder's License No.: \_\_\_\_\_

*(where applicable)*

END OF SECTION

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