

# ADDENDUM No. 1

## RFP No. 23-13

### Wastewater Treatment Plant UV Disinfection System

**Due: March 13, 2023 at 2:00 P.M. (local time)**

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes six (6) pages.**

**The Proposer is to acknowledge receipt of this Addendum No. 1, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.**

#### I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP documents which are outlined below are referenced to a page or Section in which they appear conspicuously. Offerors are to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Section/Page(s)	Change
Request for Proposal, Cover	Replace due date from "February 27, 2023" to "March 13, 2023".
Request for Proposal, Section I, page 4, Paragraph F, first sentence	Replace due date from "February 27, 2023" to "March 13, 2023".
Request for Proposal, Section I, page 7, Paragraph O	Replace due date from "February 27, 2023" to "March 13, 2023".
Request for Proposal, Section II, page 10, Paragraph 4	First Paragraph, last sentence: Remove "one year" and replace it with "six (6) months".
Section/Page(s)	Change
Specification 00 41 63 Section 2.01, page 2	Remove the following sentence: "Bidder will sign and submit the Agreement with the Bonds and other documents required by the Bidding Documents to City within 15 days after the date of the City's Notice of Award." and replace it with: "Bidder will sign and submit the Agreement and other documents required by the Bidding Documents to City within 15 days after the date of City's Notice of Award."

Section 00 41 63, Replace "module" with "bank".  
Attachement A,  
Paragraph A.9, page 8

Specification 46 66 56, The quartz sleeve transparency factor specified shall be revised  
Section 1.7, Paragraph from "0.92" to "0.88".  
D, page 8

Section 46 66 56, Replace "module" with "bank".  
Paragraph 2.2.D.1, page  
10

Section 46 66 56, The first sentence states "If required for monitoring water level in  
Paragraph 2.7.L.5.b, UV channel, each UV channel shall....". This sentence shall be  
page 20, first sentence revised to remove "If required for monitoring water level in UV  
channel,". The revised paragraph will be as follows:

"Each UV channel shall have a dedicated ultrasonic level transmitter which shall be a microprocessor based electronic unit consisting of a sensor assembly, a signal converter/transmitter, and an interconnecting cable. The sensor shall be encapsulated in a chemical and corrosion resistant material such as kynar or CPVC and shall be suitable for operation over a temperature range of 20° to +150°F and a relative humidity of 10 to 100 percent. The sensor shall be compatible with the process media being measured. Sensors mounted in areas subject to freezing shall be provided with special transducers or protected against icing by heaters. Sensors mounted in direct sunlight shall be provided with sunshades."

## II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

### GENERAL QUESTIONS:

Question 1: In order to submit a mailed bid package, provide a contract name, phone number, and Federal ID number of the location the bid is being sent.

Answer 1: The City's Federal ID # is 38-6004534. Proposals shall be sent to the following location:

City of Ann Arbor  
c/o Customer Service  
301 East Huron Street  
Ann Arbor, MI 48104

Question 2: For the Early Work Lump Sum, would a maximum of 15% of the bid price be acceptable rather than \$70,000?

Answer 2: No, the Early Work lump sum payment is limited to \$70,000.

Question 3: Please confirm where the new UV system is to be installed. Is it limited to replace the existing system within those two channels?

Answer 3: The new UV system is anticipated to be located within the existing footprint of the existing UV canopy. If a UVSS would prefer to propose an alternative solution for the City to consider they may do so. Additional improvements to construct a separate facility will be included into the equipment evaluation as necessary.

Question 4: It seems the City will not be placing an order directly with the UVSS and instead, it seems that the City will be placing the order with a GC TBD at a later date. Is this true? If true, then do your original terms and conditions apply to the UVSS since the order will never come from the City of Ann Arbor?

Answer 4: The City's terms and conditions apply to the UVSS as it relates to the Early Work. As stated in the Request for Proposal, Section II, Paragraph 4, second paragraph, "The General Terms and Conditions for the construction contract will differ from the Preselection RFP. UVSS shall include costs in Balance of Work for items the General Contractor will require from the UVSS related to the General Contractor's Terms and Conditions. These may include but not limited to Payment Bonds, Liquidated Damages, and Insurance."

Question 5: If the order is to come from a GC once awarded, there is no mention of when you all will bid or award a GC. Is this correct? If yes, when will you all be awarding the bid to a GC?

Answer 5: The Request for Proposal, Section II, Paragraph 4, first paragraph, states the UVSS shall hold the Balance of Work price for 6 months. The bid for the General Contractor will be awarded within the 6-month time period.

Question 6: Pricing states it is to be held for up to 12 months although no mention of when a GC will be selected/awarded the bid. Due to on-going supply chain and logistical issues dating back to 2020 – will you all make an exception to this since pricing can no longer be held for a years' time due to present situations?

Answer 6: See change to Section II, Paragraph 4 documented on page 1 of this addendum.

Question 7: Confirm the UVSS are to include costs to cover things GC may want (identify L/D's, Bonds, etc.)

Answer 7: Confirmed, refer to the Request for Proposal, Section II, Paragraph 4, second paragraph.

Question 8: Our Standard Submittal Schedule is minimum 8 weeks. Can you accept an 8-week submittal package time frame?

Answer 8: A submittal within eight (8) weeks is acceptable.

Question 9: Will modifications and adjustments to the City's Agreement and Terms and Conditions be considered?

Answer 9: Change requests to the Agreement will be reviewed after the UVSS procurement bid evaluation with the recommended UVSS.

## TECHNICAL QUESTIONS:

Question 1: Per Section 46 66 56, 1.1.E.8, the proposed Aquaray HiCAP system does not require a complex hydraulic system or mechanical, gear motor driven, integral lifting device, however Veolia can include a lifting assembly so each bank can be lifted in and out of the channel, when needed, via jib or overhead crane. We recommend and request a proper crane structure be included as part of the contractor's scope (i.e., beams and girders to connect to existing Canopy). VEOLIA will add the cost of the hoist mechanism in our scope to fairly satisfy a need to provide a simple lifting device for our modules. Whether or not our proposal is selected, the plant will need an overhead crane in the future to lift out broken, jammed, corroded and dirty UV components for proper maintenance, regardless of which manufacturer is selected. When the self-lifting mechanisms fail, the plant will need an alternative lifting mechanism to retrieve the modules and repair the other vendors lifting system, if selected.

Answer 1: An external lifting mechanism, i.e., overhead crane or jib crane, will be provided by the Contractor, and specified by the Engineer, for systems that require it.

Question 2: Per Section 46 66 56, 1.7.A, the proposed Aquaray HiCAP lamp life is rated for 16,000 hours, as such the replacement cost should be prorated after 10,000 hours instead of 9,000 hours.

Answer 2: Specification 46 66 56 provides minimum criteria for UVSS provided systems. UVSS provided criteria that exceed that minimum threshold will be evaluated during the equipment evaluation.

Question 3: Per Section 46 66 56, 1.7.A, for the Aquaray HiCAP system to guarantee the lamp warranty, on/off cycles must be limited to a maximum of four (4) per day. We request to replace the word "average" with "not to exceed", since an average could allow lamps to cycle on/off 24 times in one day, once per month and still be less than the 4 per day average. That many repeat cycles will damage the lamp filaments and reduce the expected life beyond our control.

Answer 3: If a UVSS requires a maximum of four (4) cycles per day for a lamp, it is acceptable for the UVSS to provide this within their control philosophy.

Question 4: Per Section 46 66 56, 2.4.D.2, to guarantee the Aquaray HiCAP lamp warranty as stated, on/off cycles must be limited to a maximum of four (4) per day. We request to replace the word "average" with "not to exceed"

Answer 4: If a UVSS requires a maximum of four (4) cycles per day for a lamp, it is acceptable for the UVSS to provide this within their control philosophy.

Question 5: Per Section 46 66 56, 1.7.D, the proposed Aquaray HiCAP quartz sleeve transparency factor is 0.88. We feel a transparency factor of 0.92 is unrealistic and cannot be obtained. Please consider changing this value. The language should read such that if the sleeves lose more than 10% of their original transmittance value they will be replaced in kind. A reasonable warranty coverage applies to the damaged or failed components, not every single similar component from the original order.

Answer 5: The quartz sleeve transparency factor specified in Section 46 66 56, Paragraph 1.7.D will be revised from "0.92" to "0.88" as is reflected in the Corrections/Additions/Deletions section.

Question 6: Per Section 46 66 56, 1.1.B UVSS does not provide installation services. Please confirm that is not the intent.

Answer 6: Section 46 66 56, Paragraph 1.1.B states "The UVSS shall provide all parts (sensors, probes, controls), equipment, slide gates and electric actuators, materials, components, installation assistance and performance testing required for a complete and functional system with an integrated cleaning system." The intent for "installation assistance" from the UVSS is expected to consist of responding to Contractor's questions and clarifications as the Contractor installs the equipment.

Question 7: Per Section 46 66 56, 1.3.C.1.i.1, please clarify if this [calculated maximum UV dose at peak condition with one module out of service] was intended to say banks instead of modules. Please clarify if the bank that is off is a duty or redundant bank.

Answer 7: Per Section 46 66 56, Paragraph 2.2.D.1, the specified system does not require installed redundancy. UV dose calculation, specified in Section 46 66 56, Paragraph 1.3.C.1.i.1, shall be based on a duty UV bank per channel out of service. Additionally, dose calculations shall be provided for design criteria with all equipment operational, based on the required design conditions.

Question 8: Per Section 46 66 56, 2.2.D.1 and Section 00 41 63 A.9 Please confirm a redundant bank is required.

Answer 8: Per Section 46 66 56, Paragraph 2.2.D.1, the specified system does not require installed redundancy. UV dose calculation, specified in Section 46 66 56, Paragraph 1.3.C.1.i.1, shall be based on a duty UV module per channel out of service. Additionally, dose calculations shall be provided for design criteria with all equipment operational.

Question 9: Per Section 46 66 56, 2.7.E.2, Please confirm if ControlLogix L71 [for the UV PLC] is acceptable.

Answer 9: This is acceptable.

Question 10: Per Section 46 66 56, 2.7.J.3 The lamps and ballast are represented in a pictorial manner on the OIT which helps the operator to distinguish the faulted lamp address from the OIT. Please confirm this is acceptable.

Answer 10: This is acceptable.

Question 11: Per Section 46 66 56, 2.7.J.4 , generally the low water level and high-water level alarms are used. Please clarify is that would be acceptable.

Answer 11: Section 46 66 56, Paragraph 2.7.J.4, provides a minimum list of major alarms, which includes low water level (subparagraph h) and high-water level (subparagraph i). These alarms are acceptable and required, as are the remaining subparagraphs a through m.

Question 12: Per Section 46 66 56, 2.7.k.3.a, the entire UV System cannot be placed into Remote-On or Remote-Auto mode. Each Bank can be put in Remote On, Off, and Auto from PCS. Please confirm if acceptable.

Answer 12: This is acceptable.

Question 13: Per Section 46 66 56 2.7.k.3.d, UV Bank Power cannot be controlled manually. Please clarify if this is referring to Target RED dose value.

Answer 13: It's understood the UV bank power cannot be controlled manually from the SCADA system. Section 46 66 56 Paragraph 2.7.K.3.d.2 is referring to the Target RED dose, mJ/cm<sup>2</sup>.

Question 14: Per Section 46 66 56, 2.7.G, request an exception to the UPS requirement. Our panel mounted 24 VDC UPS used within our standard design is more than sufficient to operate with the devices indicated for the time required. Please allow for use of the Weidmuller UPS which eliminated extra costs and design complexity.

Answer 14: Section 46 66 56, Paragraph 2.7.G does not exclude the use of a 24 VDC UPS. This is acceptable.

Question 15: Per Section 46 66 56, 2.7.I.5, please confirm which level transmitter per channel are required or optional only if the standard approach per the manufacturer.

Answer 15: Section 46 66 56, Paragraph 2.7.L.5.b, first sentence states "If required for monitoring water level in UV channel, each UV channel shall...". This sentence shall be revised to remove "If required for monitoring water level in UV channel,". The revised paragraph will be as follows: "Each UV channel shall have a dedicated ultrasonic level transmitter shall be a microprocessor based electronic unit consisting of a sensor assembly, a signal converter/transmitter, and an interconnecting cable. The sensor shall be encapsulated in a chemical and corrosion resistant material such as kynar or CPVC and shall be suitable for operation over a temperature range of 20° to +150°F and a relative humidity of 10 to 100 percent. The sensor shall be compatible with the process media being measured. Sensors mounted in areas subject to freezing shall be provided with special transducers or protected against icing by heaters. Sensors mounted in direct sunlight shall be provided with sunshades."

Proposers are responsible for any conclusions that they may draw from the information contained in the Addendum.