

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

**Cloth Media Filtration System Procurement
Town of Spencer, MA**

Issued June 16th, 2021

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 15, Section 6 Price Proposal Form, of the Request for Proposals. Failure to acknowledge receipt of the Addendum may subject the Bidder to disqualification.

Project Manual Changes

Item 1-1 Section 5 – Request for Proposals

Add the following words in the “Value” column for row 3 (Average Polyaluminum Chloride) of the Operations and Maintenance Guarantee table in Section 5.1 (page 8) of the RFP:

“Not Required for bid. Guaranteed Value shall be established by successful Bidder during Validation Testing.”

Item 1-2 Section 00520 – Procurement Agreement

In Article 6, Paragraph 6.1 B., **replace** the words “Bidder may escalate” in the first sentence with the words “Bidder or Owner may choose to adjust”.

Item 1-3 Section 11365 – Cloth Media Filtration System

Delete Paragraph 1.3.I in its entirety and **replace** it with the following paragraph:

1.3.I: If the Bidder fails to successfully demonstrate the ability to meet the Performance Requirements specified in this Section as well as the Bidder’s Operation and Maintenance Guarantees as specified in the bid for any single item, then the Owner may choose to: 1) terminate the agreement as outlined in the Instruction to Bidders (Section 00200) and Agreement (Section 00520) and proceed with awarding to the next eligible bidder and the Bidder shall not be eligible for compensation for the cost of Bidder Validation Testing expenses as outlined in the Agreement (Section 00520) and Article 13 of the General Conditions (Section 00700) and Supplementary Conditions (Section 00800); or, 2) if the Bidder is not terminated, then they will be allowed to revise their Operation and Maintenance performance guarantee.

Item 1-4 Section 11365 – Cloth Media Filtration System

Delete Paragraph 1.6.C in its entirety and **replace** it with the following paragraph:

1.6.C: As specified in Section 01330, submit certifications that demonstrate compliance with the American Iron and Steel Requirements.

Item 1-5 Section 11365 – Cloth Media Filtration System

Add the following words at the end of Paragraph 1.6.F:

1.6.F: According to ASCE 7-10, "Mechanical and electrical components in Seismic Design Category B" are exempt from the seismic design requirements. Seismic review of the supports and Attachment (anchorage) of the disc filter equipment is required.

Item 1-6 Section 11365 – Cloth Media Filtration System

Add the following words at the end of Paragraph 2.3.O:

2.3.O: Pipe labeling will be the responsibility of the general contractor.

Item 1-7 Section 11365 – Cloth Media Filtration System

Replace the words "minimum freeboard of 12 inches" in Paragraph 2.5.C with the words "minimum freeboard of 6 inches."

Item 1-8 Section 11365 – Cloth Media Filtration System

Add the following paragraph immediately after paragraph 3.3.E.3:

3.3.E.4: Prior to Start-up Testing (which includes optimizing the treatment chemistry, among other testing requirements) and prior to Process Performance Testing, the Owner and Engineer shall confirm to the Seller when the inlet conditions to the disc filter system for phosphorus and TSS specified in paragraph 1.4.C have been met for a period of at least 5 days. If, in the opinion of the Engineer and the Seller's representative, the influent to the system meets the requirements specified herein, the system will advance to Start-up Testing.

Bidding Period Questions & Responses

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

1. The specifications indicate that "following the flocculation tanks, wastewater will flow by gravity to the cloth media filters for removal of phosphorus floc. Solids from the filters are to be backwashed and pumped to the splitter box upstream of the secondary clarifiers." Please confirm this is the intent, because typically the waste stream is recycled to the head of the plant or ahead of the aeration basins to avoid buildup of solids in the secondary clarifiers. If this is the intent, will pumping of the waste stream to a discharge point be the responsibility of Others?

Answer: Because this plant lacks primary clarifiers, spent backwash will be recycled to a rapid mix tank and distribution box upstream of the secondary clarifiers to remove solids in the clarifiers. If the bidder's proposed equipment cannot accommodate pumping the waste stream to the specified discharge point, then pumping will be the responsibility of Others. Refer to paragraph 2.4.H for additional requirements regarding coordination of the spent backwash discharge for pressure type backwash cleaning systems vs. vacuum type backwash cleaning systems.

2. In paragraph 1.3.I of Section 11365, please confirm if the referenced penalty is different from the O&M Performance Penalty denoted in paragraph 1.5.B of the same section?

Answer: Refer to Item 1-3 above for specification changes to paragraph 1.3.I, where the mention of this penalty has been removed and the specifications have been clarified regarding the Bidder failing to successfully demonstrate the ability to meet the Performance Requirements during the Validation Testing.

3. Regarding paragraph 1.6.F of Section 11365 on requirements to submit structural calculations for the steel tanks, please confirm that, based on the referenced IBC code and assumed seismic parameters, the disc filter equipment will be anchored to the supporting structure in accordance with ASCE 7-10. Therefore, is the disc filter equipment (mechanical components) exempt from the requirements of the IBC/ASCE 7, such that seismic qualification of the mechanical components is not required? Additionally, will seismic review of the supports and attachment (anchorage) of the disc filter equipment be required?

Answer: The disc filter equipment will be anchored to the supporting structure in accordance with ASCE 7-10. According to ASCE 7-10, "Mechanical and electrical components in Seismic Design Category B" are exempt from the seismic design requirements. Seismic review of the supports and attachment (anchorage) of the disc filter equipment is required and must be provided. Refer to Item 1-5 above for specification changes.

4. Regarding paragraph 2.3.O of Section 11365, will pipe labeling be the responsibility of the general (installing) contractor?

Answer: Pipe labeling will be the responsibility of the general contractor. Refer to Item 1-6 above for specification changes.

5. Regarding paragraph 2.4.A.3 of Section 11365, is this paragraph applicable if draining of the filter is not necessary to perform routine maintenance of the filter or an automated cleaning?

Answer: Provisions for fully draining the filter are applicable, should the owner need to fully drain a filter and later return it to service.

6. Regarding paragraph 2.5.C, can the requirement to maintain a minimum freeboard of 12" during upset conditions be revised to maintain a minimum freeboard of 6"?

Answer: Yes, disc filter units that maintain a minimum freeboard of 6 inches in a bypass (overflow) scenario are acceptable. Refer to Item 1-7 above for specification changes.

7. Regarding paragraphs 3.3.F and 3.4, please clarify when the disc filter manufacturer will be required to be on site to begin Start-up Testing and Performance Testing. For example, will the disc filter manufacturer be required to be on site when the upstream process or chemical dosages are being manipulated to achieve a certain inlet phosphorus concentration, or will they be required to be on site only after inlet conditions are set that are acceptable to the Owner and within the specified limitations and have reached steady state operation?

Answer: Prior to Start-up Testing (which includes optimizing the treatment chemistry, among other testing requirements) and prior to Process Performance Testing, the Owner and Engineer shall confirm to the Seller when the inlet conditions to the disc filter system for phosphorus and TSS specified in paragraph 1.4.C have been met for a period of at least 5 days. If, in the opinion of the Engineer and the Seller's representative, the influent to the system meets the requirements specified herein, the system will advance to Start-up Testing. Refer to Item 1-8 above for specification changes.

8. Regarding the Cloth Media Filtration System Information Form in Section 5 of the RFP, is a guaranteed dose for polyaluminum chloride (PACl) required or can this requirement be waived?

Answer: A guaranteed dose for PACl will not be required during Bidding. Refer to Item 1-1 above for specification changes, where the "Value" column for this row has been changed from blank to "Not Required for bid. Guaranteed Value shall be established by successful Bidder during Validation Testing."

END OF ADDENDUM NO. 1

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