



OCTOBER 19, 2023

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**CONTRACT NO. 1791**

**DEWATERING CENTRIFUGE EQUIPMENT PRE-PURCHASE**

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**ADDENDUM NO. 1**

All bidders bidding **Contract No. 1791** shall read and take note of this **Addendum No. 1**. The Procurement Documents for **Contract No. 1791 DEWATERING CENTRIFUGE EQUIPMENT PRE-PURCHASE** are hereby revised and/or clarified as stated below.

**Acknowledgement of Contract No. 1791 Addendum No. 1**

The Acknowledgement attached to **Addendum No. 1** is to be signed and returned immediately via email to **Kathleen P. Uniatowski** at [kathleen.uniatowski@alcosan.org](mailto:kathleen.uniatowski@alcosan.org) and acknowledged with Bidder's Proposal.

A handwritten signature in blue ink that reads "Kimberly Kennedy". The signature is written in a cursive style and is positioned above a horizontal line.

**Kimberly Kennedy P.E.**  
Director of Engineering and Construction

**ACKNOWLEDGEMENT OF**

**CONTRACT No. 1791**

**DEWATERING CENTRIFUGE EQUIPMENT PRE-PURCHASE**

**ADDENDUM NUMBER 1**

**FIRM NAME:** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**OCTOBER 19, 2023**

**CONTRACT NO. 1791**

**DEWATERING CENTRIFUGE EQUIPMENT PRE-PURCHASE**

**ADDENDUM NO. 1**

**ALLEGHENY COUNTY SANITARY AUTHORITY PITTSBURGH, PENNSYLVANIA**

**CONTRACT NO. 1791**  
**DEWATERING CENTRIFUGE EQUIPMENT PRE-PURCHASE**

**ADDENDUM 1**  
**OCTOBER 19, 2023**

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**ATTENTION**

**NEW BID OPENING DATE**

**MONDAY OCTOBER 30, 2023**

**11:00 A.M.**

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This Addendum 1 consists of 22 pages and the following attachments:  
Attachment 1 – Planholders List (October 17, 2023) - 8 ½” x 11” (1 page)  
Attachment 2 – Pre-Bid Meeting Attendance Sheet - 8 ½” x 11” (2 pages)

**ATTENTION BIDDERS**

The following additions to and modifications of the Procurement Contract Documents will be included in and become part of the Contract for the Allegheny County Sanitary Authority (ALCOSAN) – Dewatering Centrifuge Equipment Pre-Purchase. Bidders are instructed to take the following into account in rendering any Bid for this work.

The Bidder is responsible for verifying that he/she has received and reviewed all of the pages of the Procurement Contract Documents as well as all of the pages and attachments of all addenda. The Bidder shall verify all pages with the table of contents in the Procurement Contract Documents and the first page of all Addenda. Receipt of this Addendum 1 must be noted on the Bid Form. These items modify the portions of the documents specifically noted; all other provisions of the Procurement Contract Documents shall remain in effect.

**THIS ADDENDUM 1 SHALL BE FASTENED TO THE PROCUREMENT CONTRACT DOCUMENTS AND SUBMITTED WITH THE BID FOR WORK INCLUDED UNDER THIS CONTRACT.**

**ATTENTION**

**NEW DEADLINE FOR QUESTIONS IS 12:00 PM ON MONDAY, OCTOBER 23, 2023**

**1. PRE-BID MEETING**

- A. A Pre-Bid Meeting was held at ALCOSAN at 10:00 a.m., Prevailing Time, on October 11, 2023, in the auditorium of the O&M Building, located at 3300 Preble Avenue, Pittsburgh, PA 15233. In addition, virtual attendance was permitted via a Teams meeting. Ed St. John opened the meeting by asking attendees in-person and virtual to introduce themselves. The attendance sheet is attached (Attachment 2) to this Addendum 1. Mr. St. John then stated that the purpose of the Pre-Bid Meeting was to provide all potential Bidders an opportunity to discuss with ALCOSAN and the Engineer all aspects of the Procurement Contract Documents. Any changes, additions, and/or deletions resulting from the Pre-Bid Meeting would be addressed in addenda to the Procurement Contract Documents. A site visit to observe the Electrical Room and the centrifuges in the Dewatering Building followed the meeting.
- B. Mr. St. John reminded all those present to sign the meeting attendance sheet. He also informed attendees of the following:
1. The minutes of the Pre-Bid Meeting will be included as an addendum to this project. The addendum will be sent to all planholders/bidders.
  2. Any information verbally given during this meeting or the course of the bid period shall not be construed as changing the Procurement Contract Documents in any way. All official modifications will be issued in writing by ALCOSAN as Contract addenda.
  3. Questions from prospective Bidders shall be submitted in writing to Ms. Uniatowski's attention by email at [contract.clerks@alcosan.org](mailto:contract.clerks@alcosan.org) or Mr. St. John's attention by email at [stjohnej@cdmsmith.com](mailto:stjohnej@cdmsmith.com). Deadline for questions is 5:00 p.m. on October 18, 2023.
  4. Request for additional site visits after the Pre-Bid Meeting walkthrough shall be coordinated with Joe Tripodi with ALCOSAN.
  5. Sealed bids will be received at the Engineering Department office of ALCOSAN, 3300 Preble Avenue, Pittsburgh, PA 15233 until 11:00 o'clock A.M., Prevailing Time, on Thursday, October 26, 2023. Bids will not be received after 11:00 o'clock.
- C. Mr. St. John then gave a brief overview of the work to be done as part of this project. In general, the work shall include the furnishing of seven (7) dewatering centrifuges and appurtenant equipment (including main and local control panels) by the Manufacturer for installation by a Contractor under a separate contract. The seven centrifuges will replace seven existing centrifuges in the Dewatering Building at the Woods Run Wastewater Treatment Plant. The centrifuges will dewater a blend of primary and waste activated sludge. The Manufacturer shall provide engineering support (shop drawings and Operation and Maintenance Manuals), field services, optimization testing, spare parts, and special tools. If selected by ALCOSAN, Manufacturer to provide one or both Add

Alternates. Add Alternate I includes provisions of a 5-Year Service Agreement starting after the acceptance of the seventh installed centrifuge. Add Alternate II includes the complete rebuild of the rotating assemblies on each of the seven centrifuges after 15,000 operating hours on each.

- D. Mr. St. John discussed the organization of the Procurement Contract Documents: Division 00 – Bidding and Contracting Requirements, Procurement Specifications (Divisions 01, 26, 40, and 46), and Procurement Drawings.
- E. Mr. St. John paged through the Procurement Contract Documents highlighting bidding requirements, such as completion of the Bid Form (including the Centrifuge Data Form and Method of Cost Escalation), providing a Bid Bond, and completing the Qualifications Statement, and contracting requirements, such as procurement contract times and payment schedule found in the Agreement and providing Performance and Payment Bonds.
- F. Mr. St. John stated that the work shall comply with the Pennsylvania Steel Products Procurement Act (PA Steel Act).
- G. Mr. St. John paged through Specification Section 46 76 33, Dewatering Centrifuges and Appurtenances, highlighting equipment to be furnished, the warranty, Performance Bond, and Add Alternates I and II.
- H. Questions were then taken from those in attendance. Following the questions, a site walkthrough was conducted. Questions, and the answers given, included the following:
- Q1:** Define the Procurement Contract Price?  
**A1:** The Procurement Contract Price is comprised of the Total Base Bid Price and Add Alternates I and II.
- Q2:** In the Bid Form we are to provide essentially three bids. Do we need three Bid Bonds?  
**A2:** The Bid Form requires three bid prices. However, provide one Bid Bond that covers the Bidder's maximum bid price (Total Base Bid Price plus Add Alternates I and II). The maximum bid price represents the Procurement Contract Price.
- Q3:** Do we need to comply with the Pennsylvania Steel Products Procurement Act (PA Steel Act)?  
**A3:** Yes. This is stated in 00 21 63, Instructions to Bidders for Procurement Contract, and 01 11 00, Summary of Work. Compliance with the PA Steel Act is achieved by furnishing a US steel product or furnishing a product in which 75% of the cost of the product's steel has been mined, produced, or manufactured in the US or you meet one of two exemptions. One type of exemption is getting a public agency waiver because it is determined that steel products are not produced in the US in sufficient quantities to meet the PA Steel Act requirements. The other exemption is granted if the product meets the 2023 Department of General Services (DGS) List

of Exempt Machinery and Equipment Steel Products. Centrifuges are not on the exempt list.

**Q4:** How are liquidated damages going to be assessed? What does the Performance Bond cover?

**A4:** See Items 3.17, 3.18, and 3.19 in this Addendum 1.

**Q5:** Will the Procurement Contract with ALCOSAN be transferred to the Installation Contractor? Is there a shift in contract terms and responsibility? How does this affect the bonds?

**A5:** The Procurement Contract will not be transferred to the Installation Contractor.

**Q6:** Are we to provide a NEMA 12 Main Control Panel?

**A6:** See Item 3.9 in this Addendum 1.

**Q7:** What are the current dimensions of the existing Main Control Panel?

**A7:** See Question 25/Answer 25 in this Addendum 1.

**Q8:** The existing Local Control Panel requires a lot of indicators, lights, buttons, and switches on the exterior of the panel (panel face). Is this required on the new Local Control Panels?

**A8:** Yes. See Specification Section 46 76 33. See Items 3.8, 3.12, and 3.13 in this Addendum 1.

**Q9:** Is the existing centrifuge performing to the same design performance requirements for this project?

**A9:** Yes.

### **3. CHANGES TO THE SPECIFICATIONS**

3.1 In Supplementary Conditions of the Procurement Contract, Article SC-5.01.B.2, Page 2 of 7, **DELETE** Article SC-5.01. B.2 in its entirety and **ADD** "After acceptance of the Goods and Special Services, Seller shall furnish a warranty bond issued for each centrifuge being accepted in the form of EJCDC® C-612, Warranty Bond (2018). Each warranty bond must be in a bond amount of 10 percent of the Total Base Bid Price divided by seven. The warranty bond will extend to a date of one year after acceptance of the Goods and Special Services for each centrifuge. Seller shall deliver the fully executed warranty bond for each centrifuge to Buyer prior to or with the final application for payment, and in any event no later than 11 months after acceptance of the Goods and Special Services for each centrifuge."

3.2 In Section 01 66 00, Product Storage and Handling Requirements, Para. 1.4.B.5.b, (1), Page 016600-3, **DELETE** "in western New York" on the second line.

3.3 In Section 40 05 93.23, Low-Voltage Motor Requirements for Process Equipment, Para. 1.7.A.1 and 1.7.A.2, Page 400593.23-3, **DELETE** Paragraphs A.1 and A.2 in their entirety and **ADD** the following:

- “1. Warranty Period: One year from Acceptance for inverter duty motors.
2. Warranty Period: One year from Acceptance for constant speed severe-duty motors.”

3.4 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 1.12.A, Page 467633-10, **DELETE** the second sentence in its entirety and **ADD** the following sentence:

“Warranty period to start after the following two conditions are met: 1) the Owner has cosigned the equipment manufacturer’s Certificate of Installation forms and 2) the General Contractor has been provided Acceptance for each centrifuge installation after successful Acceptance testing specified in Part 3.”

3.5 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 1.7.A.17, Page 467633-8, **DELETE** Para. 17 in its entirety.

3.6 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.H.5, Page 467633-18, **DELETE** the first two sentences and **ADD** "Motor bearings to be electrically insulated on non-drive end and in accordance with IEEE, ANSI, and ABMA standard where applicable."

3.7 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.N, Page 467633-21, **ADD** the following to the end of the Paragraph:

“The centrifuge support frame to be designed based on the following seismic data: Site Class E, Risk Category III, Importance Factor 1.25, SS of 0.09, S1 of 0.045, SDS of 0.114, SD1 of 0.126, and a Seismic Design Category “B”. The centrifuge support frame is classified as a non-structural component per ASCE 7-10.”

3.8 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.W.4, Page 467633-24, **DELETE** "two motor operated screw conveyor slide gates" from the third line and **ADD** "two pneumatically operated screw conveyor discharge slide gates".

3.9 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.W.11, Page 467633-25, **DELETE** the first sentence in its entirety and **ADD** "MCP to be minimum 12-gauge, carbon steel, painted grey, NEMA 12, free standing enclosure with front access and externally operated. Lockable, flanged main power circuit breaker, disconnect switch, installed remotely in electrical room".

- 3.10 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.W.12, Page 467633-25, **DELETE** “GE “Tranquell” Series or equal,” from the second line.
- 3.11 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.W.12, Page 467633-25, **DELETE** “for a new 10 hp screw conveyor” in the fourth line and **ADD** “for a new 10-Hp non-reversing screw conveyor”.
- 3.12 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.W.12, Page 467633-25, **ADD** at the end of the paragraph the following sentences “Provide the MCP with remote display/keypads on the face of the panel for interface with main motor VFC and the scroll motor VFC. Provide the MCP with an isolation barrier that separates 120/24V from 480 V components and wiring. Also provide a data access port with receptacle on the face of the panel for laptop access.”
- 3.13 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.X.2, Page 467633-26, **DELETE** complete paragraph in its entirety and **ADD** "Centrifuge control system to incorporate a jog control momentary pushbutton on the face of the LCP for maintenance purposes."
- 3.14 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.6.M, Page 467633-32, **ADD** the following to the end of Para. 2.6.M:  
  
“For factory witnessing of complete centrifuge fabrication and testing assume three trips at 2 days per trip in the factory for three persons each day. For factory witnessing of one completed MCP and LCP and testing assume one trip at 2 days in the factory per trip for two persons each day.”
- 3.15 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 3.2.C.2.a, Page 467633-33, **DELETE** the last sentence starting with "During this test," and **ADD** "During this test, Manufacturer's representative must be present for 8 hours per testing day and record bearing temperature, lube oil temperature if applicable, motor input, torque, bowl speed, differential speed and vibration every hour and also demonstrate the following during these 8-hour periods."
- 3.16 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 3.5.F, Page 467633-40, **ADD** "Equipment required for loading or unloading centrifuge components required to provide services under the Five-Year Service Agreement will be provided by the Owner." at the end of the paragraph.
- 3.17 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 3.2.C.3.q, Page 467633-36, **DELETE** “will be permitted to offset the additional cost of solids disposal using the formula for liquidated damages specified in Para. 1.13.C” and **ADD** “will offset the additional annual cost for solids disposal using the Performance Bond as collateral.”

- 3.18 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 3.2.C.3.r, Page 467633-36, **DELETE** “will be permitted to offset the additional costs for polymer consumption using the formula for liquidated damages specified in Para. 1.13.C” and **ADD** “will offset the additional annual cost for polymer using the Performance Bond as collateral.”
- 3.19 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 3.2.C.3.s, Page 467633-36, **DELETE** “will be permitted to offset the additional power costs using the formula for liquidated damages specified in Para. 1.13.C” and **ADD** “will offset the additional annual cost for power using the Performance Bond as collateral.”
- 3.20 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.J.1, Page 467633-19, **DELETE** “that does not require external filters or multi-pulse transformer” in the first sentence and **REPLACE** with “with an output dV/dt filter to mitigate voltage spikes”
- 3.21 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.5.W.5, Page 467633-24, **DELETE** “switch using Modbus TCP/IP protocol.” from the third line and **ADD** “switch. Communication from the PLC to the DCS system to use Modbus TCP/IP. All communication between the Centrifuge PLC and LCP shall use the native PLC protocol.”
- 3.22 In Section 46 76 33, Dewatering Centrifuges and Appurtenances, Para. 2.3.A.19, Page 467633-13, **DELETE** “200 Hp” and **ADD** “260 Hp”.
- 3.23 In Section 00 73 06, Supplementary Conditions of the Procurement Contract, Article SC-5.01.B.1, Page 2 of 7, **DELETE** Article SC-5.01. B.1 in its entirety and renumber the remaining paragraphs accordingly.
- 3.24 In Section 00 73 06, Supplementary Conditions of the Procurement Contract, Article 9, Page 6 of 7, **ADD** the following after Article 9: “Article 11 – CHANGES, SC-11.02.B, **ADD** at the end of Paragraph 11.02.B “and mutually agreed upon.”
- 3.25 In Section 00 73 06, Supplementary Conditions of the Procurement Contract, Article 12, Page 7 of 7, **ADD** the following after Article 12: “Article 15 – MISCELLANEOUS, SC-15.03.A, In the second sentence **DELETE** the words “such day will be omitted from the computation.” and **REPLACE** with “such day will be carried over to the next business day.”

#### **4. CHANGES TO PROCUREMENT DRAWINGS**

None.

**5. QUESTIONS AND ANSWERS**

- Q1:** Section 00 73 06, SC-5.01.B.2 contradicts other warranty requirements. Please clarify.  
**A1:** See Item 3.1 in this Addendum 1.
- Q2:** Section 00 73 06, SC-5.01.B.2, when is the Warranty Bond required to start and stop?  
**A2:** See Items 3.1 and 3.4 in this Addendum 1.
- Q3:** Section 00 73 06, SC-5.01.B.2, is the warranty Bond a declining amount?  
**A3:** See Items 3.1 and 3.4 in this Addendum 1.
- Q4:** Section 40 05 93.23, Para. 1.7 contradicts other warranty requirements. Please clarify.  
**A4:** See Item 3.3 in this Addendum 1.
- Q5:** Section 46 76 33, Para. 1.12.A contradicts other warranty requirements. Please clarify.  
**A5:** No change. See Items 3.1 and 3.4 in this Addendum 1.
- Q6:** Section 01 33 00, Para. 3.1.B.1- What documents are required to be stamped? Can out of state stamp suffice?  
**A6:** A PA PE stamp is required for support frame design and anchor bolt calculations.
- Q7:** Section 01 66 00, Para. 1.4.B.5.b - What is intended to be stored? Why western New York?  
**A7:** Offsite storage of centrifuges if centrifuge(s) are fabricated far in advance of the scheduled delivery. See Item 3.2 in this Addendum 1.
- Q8:** Section 46 76 33, Para. 1.4.B.4 – Anchorage details are typically calculated by the structural engineer. What seismic conditions need to be considered? Are foundation drawings available?  
**A8:** No foundation drawings are available. See Item 3.7 in this Addendum 1.
- Q9:** Section 46 76 33, Para. 2.1 – When will P&ID drawings be made available to define MCP and LCP face mounted devices?  
**A9:** P&ID drawings will not be issued. Hardwired face mounted devices are identified in the specifications.
- Q10:** Section 46 76 33, Para. 2.4.W.4 – Please indicate which switches, indicators, buttons are required  
**A10:** Hardwired face mounted devices are identified in the specifications. See Items 3.8, 3.12 and 3.13 in this Addendum 1.

- Q11:** Section 46 76 33, Para. 2.5.W.11 – What is CP panel?  
**A11:** See Item 3.9 in this Addendum 1.
- Q12:** Section 46 76 33, Para. 2.5.X.1 – Para. 2.5.X.1 contradicts 2.5.W.4. Please clarify.  
**A12:** Para. 2.5.X.1 is very general and does not require clarification.
- Q13:** Section 46 76 33, Para. 2.5.X.2 – Capacity to communicate from the PLC in the MCP to the HMI at the LCP will be provided. Is there supposed to be a HMI at the MCP as well? Please clarify.  
**A13:** No. A PLC will be provided in the MCP, and an OIT will be provided in the LCP.
- Q14:** Section 46 76 33, Para. 2.5.X.6 – Hardwired controls for the diverter gate on the LCP are redundant and are included in the HMI. This contradicts Para. 2.5.X.1.  
**A14:** Hardwired devices allow Owner to operate the diverter gate manually to verify operation without main drive/scroll motors operating.
- Q15:** Section 46 76 33, Para. 2.5.X.5 – For safety and the protection of equipment, the functionality of the pump control panel should be in the LCP. Is there DCS communications with these systems that the elimination of this pump panel could occur?  
**A15:** The Owner prefers that the DCS system control these sludge feed and polymer feed pumps.
- Q16:** Section 46 76 33, Para. 2.6.L & M – Please indicate how many visits will be required for the centrifuges and panels. In addition to properly calculating, please indicate the number of individuals who will be attending.  
**A16:** See Item 3.14 in this Addendum 1.
- Q17:** Section 46 76 33, Para. 3.2.C.2.a – Please verify that 120 hours per centrifuge or 105 man-days total is correct for the Acceptance Testing portion.  
**A17:** See Item 3.15 in this Addendum 1.
- Q18:** Section 46 76 33, Para. 3.5.F – Clarify if manufacturer has to provide equipment for loading/unloading during execution of the service contract.  
**A18:** See Item 3.16 in this Addendum 1.
- Q19:** Section 46 76 33, Para. 3.6 – Please define if the manufacturer will be supervising the contract due to Union rules? Or will the manufacturer be required to actually perform the labor?  
**A19:** No changes to Para. 3.6. Work to include all items specified in Para. 3.6.
- Q20:** Section 46 76 33, Para. 3.5 and 3.6 – How does ALCOSAN envision future service agreements will be priced and managed over the 20-year period that contract may run 5 years plus 3 renewal periods.  
**A20:** No changes to Para. 3.6. To be determined after the first Five-Year Service Agreement is nearing completion.

- Q21:** Section 46 76 33, Para. 3.6.C – Verify manufacturer’s service technician is required to connect/disconnect motor wiring if required.
- A21:** No changes to Para. 3.6.C. In accordance with Para. 3.6.C, manufacturer to disconnect and reconnect all electrical and instrumentation.
- Q22:** Section 46 76 33, Para. 2.5.W.2 – How large is the motor for the screw conveyor so that the starter may be sized properly? Is it reversing?
- A22:** See Item 3.11 in this Addendum 1.
- Q23:** Section 46 76 33, Para. 2.5.W – It was noted that the MCPs contain a variety of indicators and buttons on the door. Are these required? If so, please specify what is required.
- A23:** Yes, they are required and specified in Para. 2.5.W and 2.5.X.
- Q24:** Section 46 76 33, Para. 2.5.W – What type of MCP is required NEMA 12. Painted carbon steel or other?
- A24:** See Item 3.9 in this Addendum 1.
- Q25:** Section 46 76 33, Para. 2.5.W – What is the current dimension of the MCP? Will these be maximum dimensions?
- A25:** The maximum panel sizes are specified in Para. 2.5.W.11.
- Q26:** Section 46 76 33, Para. 2.5.W.12 – Please define the distance between the centrifuge motors and the MCP?
- A26:** The longest distance between the MCP and the centrifuge motors is 300 feet.
- Q27:** Section 46 76 33, Para. 2.5.W.12 – If filters are required between the MCP and the motors, please provide more information?
- A27:** See Item 3.20 in this Addendum 1.
- Q28:** General – to hold pricing to lowest possible will ALCOSAN allow payment of 50% total of Item #2? Or permit the units to be subject to price increases?
- A28:** Payments will be per the Payment Schedule based on the bid prices without escalation. It is up to the manufacturer to determine if the centrifuges should be fabricated in a staggered format to meet the construction schedule which exposes the manufacturer to price increases or to fabricate them as a group and include the cost for storage. Pricing of Item #2 needs to reflect fabrication times and delivery times assuming the centrifuges can only be installed one at a time.
- Q29:** General – Will this procurement contract be assigned to the installing contractor? If so, how will this affect Bonding requirements?
- A29:** Upon delivery of each centrifuge, the Owner will turn the centrifuges over to the Contractor for installation. The Contractor will be responsible for handling, storing, and installing them. The Contractor will not own them. All payments will be by the Buyer (Owner).

- Q30:** General – When will the delivery of the spare parts and tools be permitted?  
**A30:** Refer to the Section 00 52 63, Agreement Between Buyer and Seller for Procurement Contract, Article 2.02.A, Schedule of Procurement Contract Times for spare parts and tools delivery.
- Q31:** General – For contractual purposes will the Service Contract be separated from the Procurement Contract to allow for the easy administration by ALCOSAN as well as the Manufacturer?  
**A31:** This will be determined after installation of the seventh centrifuge nears completion.
- Q32:** Section 46 76 33, Para. 2.5.H.5 – Motors cannot be IEE 841 compliant and contain grounding rings. Please specify the correct motor desired.  
**A32:** See Item 3.06 in this Addendum 1.
- Q33:** Section 46 76 33, Para. 1.12 – Please clarify when the warranty starts. It is not clear if the warranty starts after each centrifuge has been installed or if it will start after the last centrifuge has been installed.  
**A33:** See Item 3.4 in this Addendum 1.
- Q34:** Section 46 76 33, Para. 3.2.C.3.q, r, & s – These Paragraphs discuss liquidated damages and costs associated with not meeting performance and refer to the formula specified in Paragraph 1.13.C; however, there is no Paragraph 1.13.C Please advise.  
**A34:** See Items 3.17, 3.18, and 3.19 in this Addendum 1.
- Q35:** Section 46 76 33, Para. 1.7.A.17 – The requirement for spare wear strips needs to be deleted or there should be a requirement for manufacturers that have bowls with grooves to provide a spare bowl for each machine.  
**A35:** See Item 3.5 in this Addendum 1.
- Q36:** Section 00 52 63, Article 2.01 Time of the Essence – Flottweg cannot accept “time is of the essence” due to the legal interpretation of the phrase. Can this be REPLACED to “Time is of material importance”?  
**A36:** No change.
- Q37:** Section 00 52 63, Article 2.04 Liquidated Damages – Can the first sentence be REVISED as follows, “Buyer and Seller recognize that time is of material importance as stated in Paragraph 2.01...”?  
**A37:** No change.

- Q38:** Section 00 52 63, Article 4.02 Progress Payments; Final Payment – Why do the total percentages for all the Item 3 items only add up to 40% when all the other items add up to 100%?
- A38:** Adding the 15% for training, the 5% per centrifuge times seven for installation assistance, the 5% per centrifuge times seven for functional and acceptance testing, plus the 15% for performance testing adds up to 100%. No change.
- Q39:** Section 00 72 63, Article 4.04 Delays – Can this paragraph include language to cover extended delays caused by Buyer or Engineer so if the delays extend over 6 months (180 days)? Depending at which stage of the project this occurs, it could become problematic for warranty, storage, etc.
- A39:** No change.
- Q40:** Section 00 72 63, Article 7.07 Indemnification – In subarticle A, can you please ADD the following to the end, “In no event shall Buyer be liable for special, consequential, indirect, or punitive damages of any kind whatsoever.”
- A40:** No change.
- Q41:** Section 00 72 63, Article 9.01 Seller’s Warranties and Guarantees – What is the warranty term for this project? When does it commence and end?
- A41:** See Items 3.1 and 3.4 in this Addendum 1.
- Q42:** Section 00 72 63, Article 9.01 Seller’s Warranties and Guarantees – Can item 5 of sub article D be deleted? If non-conforming goods are not determined within the correction period and Seller is still required to fix or replace after the correction period, then there’s really no point in having a correction period at all.
- Q42:** No change.
- Q43:** Section 00 72 63, Article 9.03 Non-Conforming Goods and Special Services – Can the first sentence be revised to eliminate any confusion that the Seller is responsible for any indirect claims by clarifying the that the Seller is only responsible for direct claims? Please REVISE the first sentence in subarticle F as follows, “Seller shall pay all direct claims, costs, losses, and damages...”
- A43:** No change.
- Q44:** Section 00 72 63, Article 9.04 Correction Period – We request subarticle B be revised or deleted. Seller cannot extend warranties in perpetuity especially since some Goods may affect the life expectancy of other Goods. Also, multiple warranty issues to continually prolong the warranty period indefinitely.
- A44:** No change.

- Q45:** Section 00 72 63, Article 11.02 Change Orders – Please revise subarticle B that there must be mutual agreement reached before a Change Order can be deemed to be of full force and effect.
- A45:** See Item 3.24 in this Addendum 1.
- Q46:** Section 00 72 63, Article 15.03 Computation of Time – REVISE the second sentence of subarticle A as follows, “If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be carried over to the next business day.”
- A46:** See Item 3.25 in this Addendum 1.
- Q47:** Section 46 76 33, Para. 2.3.A.19 – Change maximum connected horsepower to 260 Hp.
- A47:** See Item 3.22 in this Addendum 1.
- Q48:** Section 46 76 33, Para. 2.4.A.1.k – Add ceramic paste to the acceptable coatings for the feed compartment.
- A48:** No change. The paragraph allows for an “or equal”. The ceramic paste must be submitted for approval with appropriate documentation that clearly shows the material is an equal to the specified products.
- Q49:** Section 46 76 33, Para. 2.4.A.1.l & m – Please add “or chilled cast iron ports” to the specification that has longer life than the specified tungsten carbide nozzles.
- A49:** No change. The chilled cast iron ports for the feed and discharge ports must be submitted for approval as an “or equal” to the specifications and include appropriate documentation that clearly shows the material meets the maximum loss of 2 cubic millimeters when tested in accordance with ASTM G65, Procedure A.
- Q50:** Can you confirm how the 5-year service contract relates to the bond risk? Our read is that the bond will cover the supply & install of centrifuges and the associated warranty with the supply & install.
- A50:** The Bid Bond covers the Bidder’s maximum bid price (Total Base Bid Price plus Add Alternates I and II). The maximum bid price represents the Procurement Contract Price.
- Q51:** PDF Page 101/301 indicates a 2-year correction period; however, numerous references in the contract suggest 1-year correction periods. Can you confirm why the period would need to be 2 years instead of 1 year?
- A51:** See Item 3.23 in this Addendum 1.
- Q51:** Page 2 of 7, SC-5.01.B mentions that a warranty bond in the amount of 10% of the contract prices is to be provided. Is there a form for this?
- A51:** See Item 3.1 in this Addendum 1.

**Q51:** Please confirm that a Performance Bond is required.

**A51:** Yes. See Paragraphs 1.13.A and 1.13.B in Specification Section 46 76 33. See Items 3.17, 3.18, and 3.19 in this Addendum 1.

**PROCUREMENT DOCUMENT LIST**  
**1791 Dewatering Centrifuge Equipment Pre-Purchase**  
**Date Last Revised: 10/17/2023**

Company	Contact	Address	Office Phone	Email
ANDRITZ Separation Technologies Inc./ Daman Industrial Services	Mark Robinson <b>Joseph B. Curran</b>	754 Kittanning Hollow Road P.O. Box 486 East Brady, PA 16028		<a href="mailto:mrobinson@damansuperior.com">mrobinson@damansuperior.com</a>
ANDRITZ Separation Technologies Inc.	<b>Steve Walden</b>	1010 Commercial Blvd S. Arlington, TX 76001	817-419-1756	<a href="mailto:steve.walden@andritz.com">steve.walden@andritz.com</a>
Flottweg Separation Technology, Inc.	<b>John Yatcilla</b>	10700 Toebben Drive Independence, KY 41051	484-796-3270	<a href="mailto:jyaticilla@flottweg.net">jyaticilla@flottweg.net</a>
Flottweg Separation Technology, Inc.	Ken Rogozinski <b>Lori Miller (Bissnuss Inc.)</b>	28901 Clemens Road, Suite 115 Westlake, OH 44145	440-871-8394 x1000	<a href="mailto:krogozinski@bissnussinc.com">krogozinski@bissnussinc.com</a>
Flottweg Separation Technology, Inc.	<b>Rob Troupe</b>	10700 Toebben Drive Independence, KY 41051	859-448-2322	<a href="mailto:rtroupe@flottweg.com">rtroupe@flottweg.com</a>
GEA Mechanical Equipment US, Inc.	James Hanson, PE	100 Fairway Court Northvale, NJ 07647	201-755-9936	<a href="mailto:James.hanson@gea.com">James.hanson@gea.com</a>
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Pump Man Pittsburgh	<b>Mike Perone</b>			

Allegheny County Sanitary Authority (ALCOSAN)  
Pittsburgh, Pennsylvania

Contract No. 1791  
Dewatering Centrifuge Equipment Pre-Purchase

Pre-Bid Meeting – Sign-In Sheet

October 11, 2023

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<del>Ten Crowley</del>	<del>Kokosing Ind</del>	<del>412-518-2121</del>	<del>ten@kokosing.biz</del>
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Joseph Crowley Jr	CDM Smith	412-209-2412	crowleyj2@cdmsmith.com
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Allegheny County Sanitary Authority (ALCOSAN)  
Pittsburgh, Pennsylvania

Contract No. 1791  
Dewatering Centrifuge Equipment Pre-Purchase

Pre-Bid Meeting – Sign-In Sheet

October 11, 2023

6n Teams C=11

Name	Representing	Phone Number	E-mail
Ken Rogozinski	Bissnuss		
Eric Coffin	Andritz		
Bill Hotz Sr	CPM SMITH		
Steve Walden	Andritz		
Bob Troupe	Flotweg		
Jim Hanson	GEA		