

## RFP Addendum

**Addendum No. 1** for HRRSA Bioreactor Blower Equipment Procurement RFP No. HRRSA-2015-03, Wiley|Wilson Comm. No. 214256.00.

Date: January 6, 2014

To: All Proposing Contractors

From: Wiley|Wilson  
Lynchburg, VA

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*This Addendum contains 2 pages and listed attachments and forms a part of the bidding documents and modifies the RFP, Project Manual and Drawings dated, December 15, 2014, as noted below. Acknowledge receipt of this Addendum in the space provided on the RFP. Failure to do so may subject bidder to disqualification.*

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### RESPONSE TO QUESTIONS

**Question 1:** Is a 24-inch inlet/intake size acceptable for the equipment under Section 114251 High Speed Turbo Blowers – Air Foil Bearings in order to minimize intake velocity?

**Response:** Yes. Revise Section 114251 2.02 C to a 24-inch Intake Size.

**Question 2:** The named manufacturer under Section 114251 High Speed Turbo Blowers – Air Foil Bearings does not require a separate intake/inlet silencer system per Section 114251 2.05.A to achieve the sound attenuation requirement under Section 114251 2.02 C and D.

**Response:** A separate/external intake/inlet silencer system per Section 114251 2.05.A is not required to be provided under Section 114251 High Speed Turbo Blowers – Air Foil Bearings or Section 114252 High Speed Turbo Blowers – Magnetic Bearings unless it is required to meet the sound attenuation requirement under respective Sections 2.02 C and 2.02 D of less than 80 dBA at 3 feet from the blower under free field conditions at the design condition.

**Question 3:** Is a separate discharge cone silencer per Section 114251 2.05.C required if the Manufacturer's standard discharge cone will achieve the sound attenuation requirement under Section 114251 2.02 C and D?

**Response:** The Manufacturer's standard discharge cone is acceptable under Section 114251 High Speed Turbo Blowers – Air Foil Bearings or Section 114252 High Speed Turbo Blowers – Magnetic Bearings if it meets the sound attenuation requirement under the respective Sections 2.02 C and 2.02 D of less than 80 dBA at 3 feet from the blower under free field conditions at the design condition.

**Question 4:** Is an isolation butterfly valve required to isolate the blow off valve per Section 114251 2.05.E.1 and Section 114252 2.05.E.1?

**Response:** No. Revise Section 114251 2.05.E.1 and Section 114252 2.05.E.1 to remove the

requirement for a line size BFV to isolate the blower off valve.

**Question 5:** Will HRRSA consider the Turbo Blower Manufacturer's standard flexible connectors, check valves and butterfly valves as part of the RFP review process?

**Response:** If a Manufacturer includes their standard flexible connectors, check valves and butterfly valves as part of their technical proposal, HRRSA will consider those items in terms of compliance with the product requirements in applicable Section 114251 High Speed Turbo Blowers – Air Foil Bearings or Section 114252 High Speed Turbo Blowers – Magnetic Bearings. If the Turbo Manufacturer's proposed flexible connectors, check valves and butterfly valves do not meet the product requirements, HRRSA will require the Turbo Blower Manufacturer to provide equipment by the named Manufacturers in the applicable sections. It is noted that the turbo blowers will be connected to HRRSA's existing aeration system which may expose valve components to higher temperatures than generated by the turbo blowers.

**Question 6:** Is a separate auxiliary power circuit to the LCP required per Section 114251 2.06.A.3 if the Manufacturer provides an internal low voltage transformer?

**Response:** The auxiliary power circuit not required. An internal low voltage transformer is acceptable. The Manufacturer shall provide transformer, main circuit breaker sized per NEC, relays and surge protection device (Type 2) as required to make a fully functional 120/208VAC, 1 PH, 60 Hz circuit.

**Question 7:** Is it acceptable to locate the local control panel (LCP) within the Manufacturer's standard NEMA 3R enclosure?

**Response:** Yes.

**Question 8:** Is it acceptable to provide a Schneider Electric Modicon M340 PLC in both the local control panel (LCP) and the Master Control Panel (MCP)?

**Response:** Yes.

**End of Addendum No. 1**

**Wiley|Wilson**



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Aaron Tice P.E.