



**PROCUREMENT SERVICES
ADDENDUM**

Date of Notice:	5/29/2024
Solicitation No.:	RP-040-24
Title:	Lab Gas Delivery System
Addendum No.:	1

The following pages shall clarify and/or modify the original bid/RFP document(s) as issued by the University of Louisville.

Proposer must acknowledge receipt of this and any addenda either with proposal or by separate letter. Acknowledgement must be received in the Department of Procurement Services, Service Complex Building, University of Louisville no later than **06/07/2024 at 2:00PM, EST**. If by separate letter, the following information must be placed in the lower left-hand corner of the envelope:

Solicitation No.:	RP-040-24
Title:	Lab Gas Delivery System
Due Date:	6/7/2024

Authorized By:

Procurement Services	
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Receipt Acknowledged:

Company	
Signature	
Name (print)	
Date	

RP-040-24: Written Questions

1) Section 2.4.4.3 of the RFP document states the following:

BASE BID:

The Base bid should include all LGDS work located on the first and second floors. Provide a price proposal for the following

additive alternates as indicated on the bid form.

Additive Alternates

1. Alternate No. 1: All LGDS work included on the Third Floor.

2. Alternate No. 2: All LGDS work included on the Fourth Floor.

The interpretation is that there should be 3 prices on the bid:

- Equipment on the 1st and 2nd floors
- Equipment on the 3rd floor
- Equipment on the 4th floor

Can you please confirm this?

University Response: This is correct, they are all independent of one another.

2) Work by others in the RFP document is listed as Piping, Duct/HVAC Connections and Electrical/Network Connections. Can you please confirm that while this work is needed for facilitation of the gas delivery system, it isn't required to be performed by the selected LGDS vendor?

University Response: Correct

- a. In regards to the Piping, the request is that the selected LGDS vendor's scope will be to assist with specifying the tubing diameters for installation by the mechanical contractor performing the work. Is this correct?

University Response: Correct.

- b. In regards to Duct/HVAC Connections and Electrical/Network Connections, the sole requirement of the LGDS vendor's scope is to coordinate with the selected trades to ensure connection of the required utilities. Is this correct? **University Response:** Correct.

3) For gases stored/delivered from a manifold (e.g. Ar, N2, lab air, He, etc.), is a delivery system featuring Swagelok compression fitting construction acceptable?

University Response: Yes

4) For gases stored/delivered from a ventilated gas cabinet system that are not classified as highly toxic/pyrophoric (e.g. flammables, corrosives), is it acceptable to have the delivery system inside the cabinet constructed of Swagelok compression fittings?

University Response: Yes

5) On drawing P-301, there appears to be some type of N2 supply located in the Exterior Storage Area. Can you provide some details on what this mode of supply may be as well as its intended use in the facility? From the plumbing plans, it looks like it only feeds the GeH4, SiH4 and B2H6 cabinets in that area.

University Response: That N2 tank serves only the three cylinder cabinets it sits adjacent to.

- 6) Gas detectors external to the cabinet systems are referenced in the RFP. Does the University have a preferred gas detection setup with regards to central controllers and notification to a building management system? Does the bidder have flexibility in suggesting a different design for this piece of the project than what is outlined in the project files?

University Response: The intent is to connect gas cabinet controllers to the BAS and collect data from there. The bidder has flexibility in suggesting a different design for this.

- 7) Is the expectation that (1) additional detector will be supplied per use point for the various flammable/toxic/corrosive/pyrophoric gases? The design intent is not clear from the building drawings. This will affect the controller type we select for the gas cabinets based on the number of inputs required from these additional detectors for emergency shutdown.

University Response: The expectation is that each type of gas needs an additional room detector. If one detector can sense multiple gases, it may be used as such, but its alarm levels must be based on the lowest LEL/LC50 of the gases it is detecting.

Inert Gas Panel Systems:

- 8) The current design for the inert gas panels includes all welded panels with high-integrity VCR fittings and PLCs for automation. Is this a firm requirement, or would standard NPT panels (SS with compression and NPT fittings) and regulators suffice? Also, is emergency shut-down a requirement for these gases?

University Response: The alternate fitting types will be acceptable for inert gases. Emergency shut-down is a requirement for all gases.