



# Application for Determination of Sole Source Procurement

This form, with one or more categories completed, must accompany a purchase requisition for equipment, supplies or services exceeding \$20,000. Select the category or categories appropriate for this procurement. Attach all documentation necessary to support the application. Procurements of \$20,000 and greater shall be posted to the NM Tech Purchasing website for the mandatory thirty (30) day period per NMSA 13-1-126.1

Requesting Department:	EES	End User's Name:	Waters, L.
Proposed Contractor:	Peter McNutt Rockland Research	Estimated Cost:	\$23,500.00
Product Description:	High pressure experimental vessels	Date:	04/28/2023

I am requesting a sole source procurement based on the following reasons:

- Compatibility of existing equipment or supplies; provide details in *Explanation*. Include manufacturer, model number and NMT PCN of existing equipment.
- Item specifically required for use in conjunction with grant or contract. Attach applicable grant or contract page and provide justification of why it is required for grant / contract and why other substitutes are not acceptable.
- Requirement is of a proprietary / copyright / licensing nature which is explained below.
- The requested product has unique design / performance specifications or quality requirements which are essential to my work, research protocol or teaching needs, and are not available in comparable products. Please discuss this uniqueness / performance below.
- NMT Staff has specialized training and / or extensive experience. Retraining would incur substantial cost in money / time as explained below.
- I have contacted other suppliers or service providers identified below and have considered their product, however, their products / services are not acceptable because they are lacking one or more technical capabilities as discussed below.
- The requested product is essential in maintaining / continuing experiments. Other investigators have used this product in similar research and for comparability of results, I require it.
- Contractor is the sole manufacturer and sole distributor and has unique features / characteristics not available from other sources (provide explanation and attach applicable documents).
- Product is a prototype; contractor offers a trade-in allowance; availability of service, parts or maintenance as discussed below.

Explanation: The item (a high temperature and pressure experimental condition, created to synthesize magmas) and attached quote requires components that are made with a specific heat (>2200°F) and pressure (>30,000psi) resistant material, which are non-standard in their

By signing below, requestor certifies that the information provided is accurate to the best of their knowledge.

<b>Laura Waters</b> <small>Digitally signed by Laura Waters Date: 2023.04.28 13:28:58 -0600</small>	Laura Waters	04/28/2023
End User Signature (actual signature required)	Printed Name	Date

Chief Procurement Officer (signature required)

For use by Purchasing:

Date application received in purchasing: 4/28/23 NMT Web Posting date: 5/1/23 Expiration date: 5/30/23

Explanation: The item (a high temperature and pressure experimental condition, created to synthesize magmas) and attached quote requires components that are made with a specific heat (>2200°F) and pressure (>30,000psi) resistant material, which are non-standard in their configurations. The construction of the vessel requires technical machining by machinists with very hard tools (so the tool will not be damaged in the process of creating the device); our machine shop cannot make the pieces presented in the diagram. The reviewer should compare the quote to the schematic, and note the use of custom and materials specifications in the itemized list. While it is the case that some vendors, sell the materials quoted here they do not provide the required machining to create a vessel that can withstand temperatures that exceed 2200°F. I (Laura Waters) cannot identify another manufacturer that produces these apparatus or any combination of parts that could be configured into a "homemade" version of the quoted item here.