

Sources Sought Notice

Title— Regulatory Compliance Support for the Battery Recycling Facility
at the Naval Undersea Warfare Center-Hawthorne Detachment

Background:

The original natural gas-fired retort system installed at the Battery Recycling Facility (BRF) met the definition of an insignificant activity pursuant to NAC 445B.288(2)(e)(1) and the Nevada Division of Environmental Protection (NDEP) provided a letter indicating that the retort would not need an air permit to operate. The system was modified to improve the capture of mercury and hazardous air pollutants (HAPs) and subsequent testing indicated emissions continued to meet the requirements for an insignificant activity pursuant to NAC 445B.288(4)a. This original retort system was manufactured for the mining industry and modified to meet the mercury recycling needs of the BRF.

The new retort system is a state of the art unit designed for the purpose of recycling mercury from a variety of materials and should result in lower emissions than the original system.

Objective:

To address the regulatory compliance requirements prior to operating the new retort at the NUWC Hawthorne Detachment BRF. The NDEP Bureau of Air Pollution Control (BAPC) requires that emissions of HAPS from the retort system must be shown to meet the definition of “insignificant” pursuant to the Nevada Administrative Code (NAC). Additionally, the NDEP Bureau of Waste Management (BWM) requires that the Written Determination be updated.

Scope:

The service is to test and to develop the optimal operating parameters for the new retort to ensure the HAPs (mercury and cadmium) emissions to the ambient air are below levels that would trigger the requirement to obtain an Air Pollution Control Permit as required by the NDEP. To develop the emissions sampling protocols and methodologies and obtain all the appropriate approvals and written authorization from NDEP to operate the new retort through the emission testing processes. To develop and acquire any equipment unique for on-site testing. To conduct emission testing per the approved sampling protocols. To submit an emission testing report and resolve any NDEP comments. To provide environmental consultation and negotiate an updated Written Determination pursuant to Nevada regulations for the BRF with the NDEP BWM to allow the facility to receive and recycle batteries from off-site sources. Update all facility drawings including site plans and process and instrumentation diagrams and schematics for the retort system

and other machinery at the BRF. Contract will be completed when the retort system installed in the BRF can operate in full production mode.

Specific Tasks and Estimated Timeframe:

Task	Sub Tasks	Timeframe
Task 1. Protocol Development and Preliminary Testing	Evaluate applicable emission testing methods and feasibility for use at BRF	1-2 weeks
	Discuss testing method options with NDEP	1-2 weeks
	Submit request to NDEP to operate retort on an experimental basis to establish operating parameters and validate emission testing methods, if necessary	1 week
	Receive written authorization to operate retort for preliminary/comparative testing, if necessary	2 weeks to 1 month
	Determine operating parameters for retort per battery type and emission testing method	2 months
	Develop Emission Sampling Protocol	1 month
	Receive approval of protocol from NDEP and written authorization to operate retort through emission testing process	up to 30 days
	Total Estimated Time Task 1	3to 5 months

Task	Sub Tasks	Timeframe
Task 2. Emission Testing	Acquire testing equipment and develop any site-specific equipment necessary for testing	1 month
	Conduct testing, receive analytical results	30-45 days
	Develop and submit emission testing report indicating that the retort is an insignificant source of hazardous air pollutant emissions	1 month
	NDEP BAPC review	no regulatory limitation but likely <60 days
	Respond to NDEP comments and Issue final report	1 month
	Total Estimated Time Task 2	3 to 6 months

Task	Sub Tasks	Timeframe
Task 3. Written Determination	Update existing document with new facility information and drawings and submit to NUWC and NDEP for review	2 months (can be conducted concurrently with regulatory approval process for emission testing protocols for final report)
	Review period	1-2 months
	Respond to comments and issue final report	1 months
	Total Estimated Time Task 3	3-5 months

Responses

Responses to this Request For Information (RFI) should be able to demonstrate the firm's ability, capability, and responsibility to perform the principal components of work listed above. Packages should include the following information: (1) Business name, address, business size and type (8)(a), HUBZone, Service Disabled Veteran, Small Business, Large Business, etc.), and point of contact to include e-mail address and telephone number. All information is to be submitted via e-mail (10MB limit) at jamil.alagba@navy.mil; information provided will not be returned. All responses shall be in the English Language. Responses shall also indicate the size of the business entity; large or small business. Please provide name of your firm, address, POC, phone/fax number, and email address.

NUWC Keyport requests your responses by 1:00 PM (PST) on Thursday November 19, 2009. Submissions will be accepted after this date, but feedback may not be as timely or contribute to NUWC Keyport's strategic planning. Information should be e-mailed to jamil.alagba@navy.mil. Questions can be submitted electronically to jamil.alagba@navy.mil.

This is a Sources Sought Notice and submissions will be used for informational and planning purposes only. This notice does not constitute a formal Request for Quote (RFQ), nor is the government obligated to issue an RFQ. In addition, the Government does not intend to pay for any information provided under this notice. The Government is not obligated to notify respondents of the results of this survey.