

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT I D CODE	PAGE OF PAGES	
			1	2
2. AMENDMENT/MOD NO. 2	3. EFFECTIVE DATE 7/18/2011	4. REQUISITION/PURCHASE REQ. NO. 4200373396		5. PROJECT NO.
NASA Ames Research Center Acquisition Division Mailstop 213-13 Moffett Field, CA 94035-1000		CODE JAC	7. ADMINISTERED BY Ken Kitahara (650) 604-3717	CODE JAC
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, County, State and ZIP Code) ALL OFFERORS		(9) <input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO NNA1173396R	
		(10) <input type="checkbox"/>	9B. DATED (SEE ITEM 11) 7/8/11	
CODE		FACILITY CODE		10A. MOD. OF CONTRACT/ORDER No
				10B. DATED (SEE ITEM 13)
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers IS NOT extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (if required) N/A Financial Management				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
<input type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
<input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).				
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)				
IMPORTANT: Contractor IS required to sign this document and return 5 copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Subject: Steam Vacuum System NOx Emission Reduction System This amendment is issued as a follow up to the pre-proposal conference/site visit conducted on July 14, 2011, with the sign-in sheet, agenda, and slide presentation provided as attachments. (Continued on Next Page)				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER KENNETH KITAHARA		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		16B. UNITED STATES OF AMERICA  (Signature Of Contracting Officer)		16C. DATE SIGNED July 18, 2011
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		30-105		STANDARD FORM 30 (REV. 10-83) ES Prescribed by GSA FPMR (48 CFR)

Amendment Number Two (2)

In addition the following answers to questions are also provided:

Q. The contractors who can bid the job are required to have A, C10, and C21 licenses.

** has B license only. Can we still bid it?

A. Anyone may provide a proposal; however, in order to meet the technical acceptability criteria, you or your subcontractors would have to provide evidence of the listed licenses.

Q. While reviewing the bid documents and more so the PFD, drawing 16 of 32, it shows a "Condenser Column" inside the NOx package area which is something we neither handle nor have ever quoted through AECOM.

** would like clarification on this and whether or not we are quoting this tower?

First, there is no data to supports its design from what we see in the bid documents and secondly, this should be supplied with the Cooling Tower & Heat Exchanger.

A. The PDF drawing on page 16 of 32 is a conceptual drawing and does not dictate a particular design. Any design will be taken into consideration so long as it meets or exceeds the requirements laid out within the released RFP. If a Gas cooling column, Heat exchanger and cooling tower are not used then the footprint for the new Nox system is opened up to include the footprint currently containing the cooling tower design.

Q. In the recent specifications sent from NASA for the NOx emission control project there is the statement that Kimre media should be used as an integrated mist eliminator with the scrubber. Do you know if that material was specified for a particular reason or do you feel that it was included to state that some sort of mist elimination should be used so that carry over would be minimized? Envitech feels that we can other media that can reduce carry over.

A. Some sort of mist eliminator should be used for the system and it does not need to be a Kimre media. Any approved equal can be used.

The last day for the submittal of questions is Thursday July 21, 2011. The due date for the receipt of proposals remains unchanged.

NOTHING FOLLOWS
END OF AMENDMENT NUMBER TWO (2)

ATTACHMENTS

1. Sign-In Sheet
2. Agenda
3. Slide Presentation

STEAM VACUUM SYSTEM NOX EMISSION REDUCTION SYSTEM

PRE-PROPOSAL CONFERENCE/JOB WALK

JULY 14, 2011

	<u>NAME (PRINT)</u>	<u>FIRM</u>	<u>EMAIL</u>
1.	Windy Tenggara	Lyncon	windy@lyncon.com
2.	STEVE LAPOINTE	GKKWORKS	SLAPOINTE@GKKWORKS.COM
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4.	John Watkins	JACOBS	John John.Watkins@jacobs.com
5.	John Colwell	Agbayani	John.Colwell@agbayani.com
6.	Michael Callahan	AECOM	
7.	Ricardo Olivares	NASA	
8.	John Domingo	3D Electric	john@3d-electric.com
9.	Ken Kono	NASA	
10.	Peter Wan	AECOM	
11.	JIN FU XIANG	AECOM	
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14.	JEFF TOUTRE	A&B Mech.	jtoutre@abmechanical.com
15.	Curt Schendel	ENVITECH	cschendel@udccorporation.com
16.	Tim Williamson	Pantano Demolition	Tim@PantanoDemo.com
17.	Jack Cook	Parc Services	Jeparcb@pacbet.net
18.			
19.			
20.			

RFP NNA1173396R

STEAM VACUUM SYSTEM NOX EMISSION REDUCTION SYSTEM

PRE-PROPOSAL CONFERENCE/JOB WALK

JULY 14, 2011

TITLE: STEAM VACUUM SYSTEM NOX EMISSION REDUCTION SYSTEM
AT NASA/AMES RESEARCH CENTER AT MOFFETT FIELD, CA

BASE PROPOSAL and ONE OPTION

PERIOD OF PERFORMANCE:

BASE ITEM – 270 days from Notice to Proceed

OPTION ONE – 60 days

ALL AMENDMENTS MUST BE ACKNOWLEDGED. ONE AMENDMENT HAS
BEEN ISSUED AS OF THIS DATE.

LIQUIDATED DAMAGES ARE \$1,500.00 PER CALENDAR DAY ASSIGNED TO
THIS PROJECT.

RECEIPT FOR PROPOSALS IS SCHEDULED FOR AUGUST 8, 2011 AT 3:00 P.M.,
LOCAL TIME.

PROPOSAL MUST BE TURNED IN TO BUILDING 213, ROOM 101A BEFORE OR
BY 3:00 P.M., LOCAL TIME.

THERE IS NO GOVERNMENT FURNISHED PROPERTY, REFER TO LIST IN THE
BACK OF SPEC.

ALL QUESTIONS SHALL BE REQUESTED IN WRITING AND SUBMITTED TO
KEN KITAHARA.

Steam Vacuum System Nox Emission Reduction System

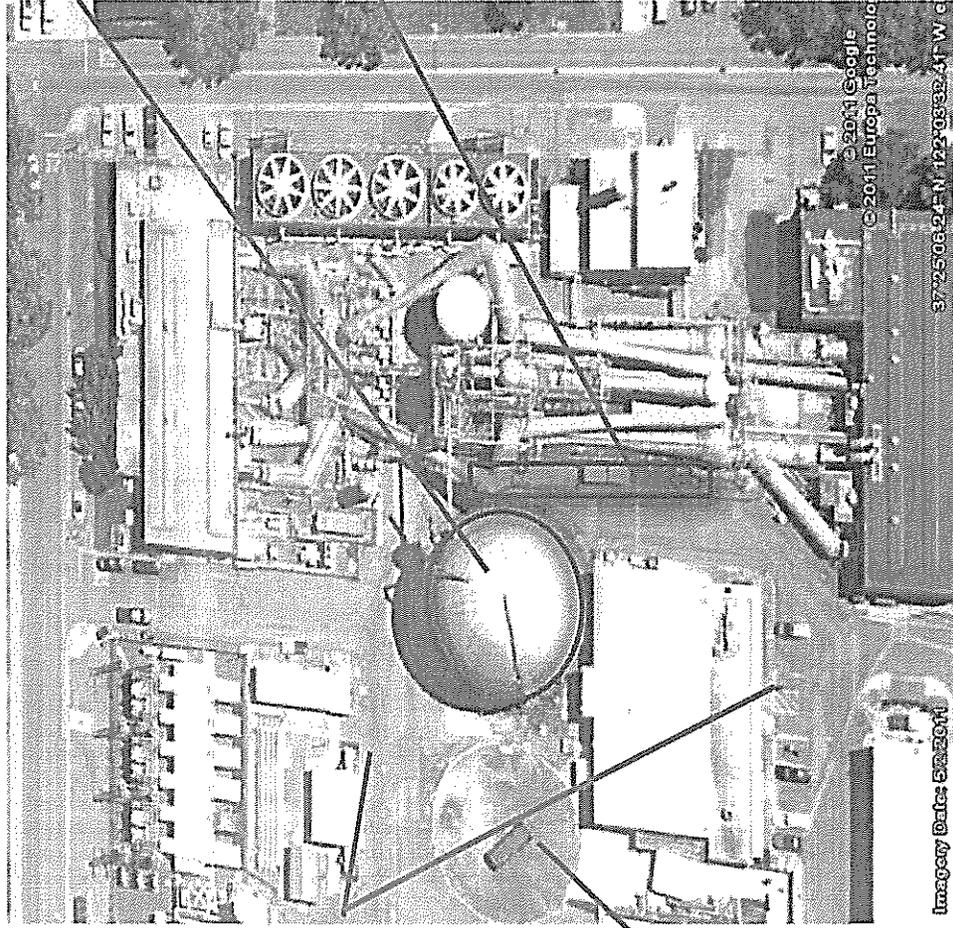
Ricardo Olivares

Project Manager

Background

- The Arcjet facility provides super-heated air up to 10,000 K for space vehicle re-entry testing purposes.
- By-products of the production of super-heated air is significant amounts of NO_x .
- NO_x Removal system is required to operate the Arcjet facility. Atmospheric discharge is monitored and regulated
- Inlet to NO_x scrubber contains significant amounts of NO_x (~5% NO) and steam
- Existing system is aging
- Arcjet facility must remain in operation during this construction project as much as possible.

Arcjet facility Aerial view



Existing Nox
abatement
system to be
demolished

Construction
trailer parking

Equipment
Staging area

Area for New Nox
Abatement
system

Questions ???