

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE K	PAGE 1 OF 8
2. AMENDMENT/MODIFICATION NO. 0005	3. EFFECTIVE DATE August 16, 2004	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY DEFENSE ENERGY SUPPORT CENTER 8725 JOHN J. KINGMAN ROAD, SUITE 4950 FT. BELVOIR, VA 22060-6222 DOUGLAS G. SMITH/DESC-EA Douglas.G.Smith@dla.mil PHONE (703) 767-9409 P.P. 8.2		CODE SC0600	7. ADMINISTERED BY (If other than Item 6) CODE
8. NAME AND ADDRESS OF CONTRACTOR (NO., street,city,county,State,and ZIP Code)		X	9a. AMENDMENT OF SOLICITATION NO. SP0600-04-R-0018
			9b. DATED (SEE ITEM 11) 31 October 2003
			10a. MODIFICATION OF ONTRACT/ORDER NO.
			10b. DATED (SEE ITEM 13)
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS			
<p>[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [X] is extended [] is not extended .</p> <p>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 <u> 1 </u> copies 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.</p>			
12. ACCOUNTING AND APPROPRIATION DATA (If required)			
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.			
	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. I2.05 CHANGES-FIXED PRICE (AUG 87)		
	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)		
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.01		
	OTHER (Specify type of modification and authority)		
E. IMPORTANT: Contractor [] is not, [x] is required to sign this document and return <u> 1 </u> copies to the issuing office.			
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)			
<p>The purpose of this amendment is to extend the closing date for the NSWC Indian Head - Stump Neck and NSWC Carderock-West Bethesda (Water, Stormwater, and Wastewater Distribution Systems) Request for Proposal (RFP) and to include the following pages in the Section J.</p> <p>The original closing date is hereby extended to September 16, 2004 at 3:00 pm local time, Fort Belvoir, VA. This will apply to CLINs 0002, 0003, 0004, 0007, and 0008 only.</p> <p>See the following pages to be inserted into the Section J of the RFP.</p>			
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 OF CONTRACTING OFFICER DAVID NEMEROW	
15B. NAME OF CONTRACTOR/OFFEROR BY _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED

A. Summary

The purpose of this Amendment is to update the following Utility Specific Section J's (Solicitation SP0600-04-R-0018):

- J2. Indian Head Potable Water Distribution System
- J3. Indian Head River Water Distribution System

As noted in the Solicitation, the Naval Surface Warfare Center (NSWC) is in the midst of a military construction program (MILCON) to construct and modernize mission critical industrial and potable water systems at the Indian Head and Stump Neck sites. The MILCON will construct two replacement potable wells with chlorination systems, three elevated water storage tanks, and river water lines to provide a dedicated source of feed water to the Indian Head steam plant. As of July 2004, a 35% design submission has been completed for the MILCON project. As of August 1, 2004, copies of the design submission are available for review at the Indian Head Technical Library. Offerors are encouraged to review the submission as part of their response to this RFP. Offerors may request visits to the Technical Library by contacting Mr. David Jenkins at (301) 744-4480 or email: JenkinsDH@ih.navy.mil.

The following sections provide summary information addressing anticipated improvements to the Potable and River Water Distribution Systems.

B. Indian Head Potable Water Distribution System

Water Wells

As detailed in the design submission, the MILCON is anticipated to provide a new potable water well (# 1) and a new well house located near new water tower #1 at the main gate as well as a new well and Well House (SN43A) at the Stump Neck site. The wells will include a submersible pump, gas chlorination equipment, ventilation equipment, special anti-terrorism backflow devices, SCADA interfaces for operations monitoring, and intrusion alarms. Additionally, the MILCON will provide 1) backflow prevention devices at four existing wells (15, 16A, 17, & SN2012); 2) locking caps at three of four existing ground water monitoring wells and; 3) for the demolition and abandonment of six existing wells (A, 2, 7, 12, 18 & SN43).

Offerors shall replace the following table(s) in attachment J2. Indian Head Potable Water Distribution System with the enclosed updates:

Table 1 – Main Base Potable Water System Summary
Water Distribution System – Indian Head

Average Production	Treatment Capability Cl₂	Storage Capacity (MG)	Number of Production Wells	Number of Storage Tanks	Number of Pump Stations	System Pressure	Remote Monitoring	Type of Metering
1.06 MGD	1.06 MGD	0.95	4	5	1	140 to 150 psi	Yes	At well

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**Table 2 – Main Base Potable Water System Production Summary
Water Distribution System – Indian Head**

Well	System	Year Drilled	Building	Feed	Depth (FT)	Current Production Rate (gpm)	Pump Type	Average Daily Production (gals)	Comments
Well A	IH High Silica	1956	783	Tank #3	350	76	20 hp vertical	122,933	To Be Demolished
Well 2	IH High Silica	1972	1534	Tank #1	405	50	50 hp vertical	30,456	To Be Demolished
Well 7	IH High Silica	1915	N/A	Tank #1/Building 128 sump	419	94	20 hp vertical	136,967	To Be Demolished
Well 12	IH High Silica	1918	N/A	Tank #1/Building 143 sump	390	112	50 hp vertical	145,967	To Be Demolished
Well 16A	IH High Silica	1984	1728	Tank #4	503	485	100 hp vertical	130,167	Backflow Prevention Device
Well 15	IH Low Silica	1993	1893	Tank #2/Ground reservoir	300	180	75 hp	200,233	Backflow Prevention Device
Well 17	IH Low Silica	1954	788	Tank #2/Ground reservoir	452	110	40 hp submersible	135,367	Backflow Prevention Device
Well 18	IH Low Silica	1954	789	Tank #2/Ground reservoir	605	110	75 hp submersible	127,533	To Be Demolished
IH New Well #1	No Silica	2005	TBD	New Tank #1	TBD	500	TBD	TBD	TBD

Table 4 – Stump Neck Potable Water System Production Summary
Water Distribution System – Indian Head-Stump Neck

Well	System	Year Drilled	Depth (FT)	Feed	Current Production Rate (gpm)	Pump Type	Average Daily Production (gals)	Comment
SN 2012	Stump Neck	1961	331	Building 2011 Tank	100	Dual power 20 hp vertical gasoline engine hp unknown	20,000	Backflow Prevention Device
SN 43	Stump Neck	1943	454	Building 2011 Tank	60	15 hp (estimated)	standby	To Be Demolished
New Well SN43A	Stump Neck	2005	TBD	New Tank #3	100	TBD	TBD	

Water Tanks

Additionally the MILCON is anticipated to provide for the demolition of five (5) existing elevated water tanks (four (4) on the Main Base and one (1) on Stump Neck), and construction of three (3) new 500,000 gallon elevated water tanks (One will replace Tank No.1, located near the main entrance to the base; one will be located at the rear of Building 413; and one will be located on the Stump Neck facility across Archer Avenue from the existing elevated tank, No. 2001.)

The type of new tanks to be constructed are presently under review by the site. However, it is presently anticipated that the new Tank No. 1 will be a multi-leg style tank, approximately 153 ft to the HWL, and 38.5 ft head range, and will be 50 ft in diameter. The suggested location for the tank is approximately 250 ft south of the existing tank, in a wooded area across the railroad cut. This will also be the location of the New Well #1. The New Tank #2 will also be a multi-leg tank. It will be approximately 171 ft to the HWL, with a 38.5 ft head range. Tank #3 will replace SN2011, and will be located across the road from the existing tank. It will be approximately 127 ft to the HWL, with a 38.5 ft head range.

Offerors shall replace the following table(s) in attachment J2. Indian Head Potable Water Distribution System with the enclosed updates:

**Table 7 – Main Base & Stump Neck Potable Water Storage Tanks
Water Distribution System – Indian Head & Stump Neck**

ABOVE GROUND STORAGE TANKS							
Tank	Location	Building	Capacity	Units	Cathodic Protection	Year Installed	Comments
Tank #1	Main Base	867	0.150	MG	yes	No Record	To Be Demolished
Tank #2	Main Base	784	0.150	MG	Yes	1957	To Be Demolished
Tank #3	Main Base	896	0.150	MG	Yes	1957	To Be Demolished
Tank #4	Main Base	1533	0.2	MG	Yes	1972	To Be Demolished
Tank #SN2011	Stump Neck	2011	0.25	MG	yes	1961	To Be Demolished
Ground Reservoir	Main Base	898	0.3	MG	no	Before 1940	
New Tank #1	Main Base	TBD	.5	MG	yes	2005	
New Tank #2	Main Base	TBD	.5	MG	yes	2005	
New Tank #3	Stump Neck	TBD	.5	MG	yes	2005	

SCADA System

The existing Indian Head SCADA system will be extended and upgraded to incorporate new MILCON distribution system improvements. A new Secondary Control Center will be provided on the network at Building 899 for monitoring and control of the water system. The SCADA system will present water related information to the operator at the Waste Water Treatment Plant, Steam Plant, and Building 899 through a personal computer workstation.

Offerors shall replace the following table(s) in attachment J2. Indian Head Potable Water Distribution System with the enclosed updates:

**Table 11 – Main Base & Stump Neck Potable Water System Control Equipment
Water Distribution System – Indian Head & Stump Neck**

SCADA			
Item	Units	Qty	Year Installed
RTU	EA	39	1995

C. Indian Head River Water Distribution System

The MILCON is anticipated to include the installation of approximately 4,140 feet of new 8 inch PVC pipe to the Indian Head River Water Distribution System. The new line will run from the existing 16 inch main at the intersection of Farnum and Dashiell Roads to the Feed Water Filter Equipment Building 3030. Additionally, the site plans to replace approximately 1000 ft of existing 8inch pipe with new 8 inch PVC pipe running from building 3030 to building 873.

Offerors shall replace the following tables in attachment J2. Indian Head River Water Distribution System with the enclosed updates:

Table 3 – Distribution Summary
River Water System – Indian Head

PIPE SIZE	LENGTH (LF)	NEW PIPE	REPLACEMENT PIPE	TOTAL
0.00 (unknown)	3566.015			3566.015
0.75	4209.146			4209.146
1.00	7374.156			7374.156
1.25	1186.16			1186.16
1.50	5128.201			5128.201
2.00	8666.739			8666.739
2.50	122.834			122.834
3.00	3049.274			3049.274
4.00	22522.229			22522.229
5.91	1084.534			1084.534
6.00	70396.942			70396.942
7.87	277.176			277.176
8.00	84292.629	4140.00	1000.00	88432.629
10.00	37731.91			37731.91
12.00	34495.441			34495.441
14.00	1736.666			1736.666
16.00	8591.37			8591.37
18.00	8070.981			8070.981
30.00	149.595			149.595
42.00	756.44			756.44