

1. Component NSA/CSS Defense	FY 2005 MILITARY CONSTRUCTION PROJECT DATA			2. DATE FEB 2004
3. INSTALLATION AND LOCATION NSA, Fort George G. Meade, Maryland		4. PROJECT TITLE Groundwater Supply Facility-Deep Wells		
5 PROGRAM ELEMENT 0301011G	6. CATEGORY CODE 84100	7. PROJECT NUMBER 10747	8. PROJECT COST (\$000) 8,140	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>	LS			5,630
Water Supply Wells	EA	2	530,000	(1,060)
Treatment Plant & Clearwell Tanks	LS			(3,380)
Monitoring & Control Building	LS			(290)
Elevated Storage Tanks	EA	3	300,000	(900)
<u>SUPPORTING FACILITIES</u>	LS			1,704
Raw Water Pipe - 4"	LS			(631)
Raw Water Pipe - 6"	LS			(276)
Discharge Main - 16"	LS			(366)
Booster Pump Station	LS			(236)
Misc. Valves & Fittings	LS			(140)
Replace parking spaces	LS			(55)
ESTIMATED CONTRACT COST				7,334
CONTINGENCY (5.0%)				<u>367</u>
SUBTOTAL				7,701
SIOH (5.7%)				<u>439</u>
TOTAL REQUEST				8,140
OTHER APPROPRIATIONS				-0-
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
<p>The groundwater system will feature two production wells rated at 350 gpm and 250 gpm, a 600-gpm central treatment plant with clearwell storage, a monitoring and control building, three elevated storage tanks, and ancillary supply and distribution equipment.</p>				
11. REQ: 900 KGD ADEQUATE: None SUBSTANDARD: 1,500 KGD				
<p><u>PROJECT</u>: Establish a capability for isolating from the host system in an emergency and producing treated water from a dedicated source within the confines of NSA's secure perimeter.</p>				
<p><u>REQUIREMENT</u>: Although the Fort Meade water system has provided an acceptable level of service over the years, much of the infrastructure has reached or exceeded its life expectancy. An effort begun in 1995 to privatize - and recapitalize - the Post's utility distribution systems has been hampered with delays, and a target date for award of a contract specifically for water services has not been established. Consistent with the outcome of a recent facilities risk assessment by the Agency, a separate source of potable water is required to supply NSA Headquarters in an emergency. Additionally, this new source must be capable of providing surveillance data and minimizing health risks posed by certain contamination events.</p>				

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CURRENT SITUATION: All potable water services at Fort Meade are provided through Army -owned facilities, but there is no redundant water treatment capability on the Installation. Furthermore, due to chronic funding problems, there is a sizeable backlog of deferred maintenance and repair projects and equipment is often operated in a run-to-fail mode. Consequently, the water system as configured does not meet the substantive requirements set forth in NSA's Critical Infrastructure Protection Plan, nor does it provide maximum feasible security in accordance with Presidential Decision Directive (PDD) 63 guidelines.

IMPACT IF NOT PROVIDED: Considering the lack of potable redundancy, coupled with the state of repair of the utility infrastructure, failure to provide this project could potentially impact NSA's large chiller systems and other industrial loads. Access to an independent water source is urgently needed to safeguard against a single contingency and maintain continuity of operations.

12. SUPPLEMENTAL DATA

A. ESTIMATED DESIGN DATA

1. STATUS

a. Date Design Started	APR 2004
b. Percent Completed as of January 1, 2004	0%
c. Date 35 % Design Completed	OCT 2004
d. Date Design Completed	FEB 2005
e. Type of Design Contract	Design - Bid - Build

2. BASIS

a. Standard or Definite Design	Yes ___ No <u>X</u>
b. Where Design Was Most Recently Used	N/A

3. COST (\$000) = c = a + b = d + e

	735,000
a. Production of Plans and Specifications	490,000
b. All Other Design Costs	245,000
c. Total	735,000
d. Contract	735,000
e. In-house	-0-

4. CONSTRUCTION CONTRACT AWARD APR 2005

5. CONSTRUCTION START MAY 2005

6. CONSTRUCTION COMPLETE MAY 2006

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<p>B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;"><u>Equipment Nomenclature</u></th> <th style="text-align: left; width: 20%;"><u>Procuring Appropriation</u></th> <th style="text-align: left; width: 20%;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: left; width: 30%;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center; padding-top: 20px;">N/A</td> </tr> </tbody> </table> <p>Point of Contact: Robert S. Krisko; 301-688-5397</p>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	N/A			
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