ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)

February 2003

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE
0603779A - Environmental Quality Technology Dem/Val

	COST (In Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
	Total Program Element (PE) Cost	39047	31121	11514	9454	9130	8913	19326	12462	Continuing	Continuing
035	NATIONAL DEFENSE CNTR FOR ENVIRO EXCELLENCE-NDCEE	4708	4639	4886	4863	8949	8913	19326	12462	Continuing	Continuing
04E	ENVIRONMENTAL RESTORATION TECH VALIDATION	2538	4072	5343	3259	0	0	0	0	0	15212
04F	COMMERCIALIZATION OF TECH TO LOWER DEFENSE COSTS	5319	3008	0	0	0	0	0	0	0	13731
04I	TECHNOLOGIES TO REDUCE NON-HAZARDOUS WASTE	0	1623	0	0	0	0	0	0	0	0
04J	ENVIRONMENTAL COMPLIANCE TECHNOLOGY VALIDATION	0	203	1285	1332	181	0	0	0	0	3001
04K	WASTE MINIMIZATION AND POLLUTION PREVENTION	0	1719	0	0	0	0	0	0	0	0
E12	TRANSPORTABLE DETONATION CHAMBER VALIDATION	5783	3343	0	0	0	0	0	0	0	5786
EN1	CASTING EMISSION REDUCTION PROGRAM (CERP)	5153	6305	0	0	0	0	0	0	0	11458
EN2	FORT ORD CLEANUP DEMONSTRATION PROJECT	1919	0	0	0	0	0	0	0	0	2000
EN3	MANAGING ARMY TECHNOLOGY ENVIRON ENHANCEMENTS	964	955	0	0	0	0	0	0	0	1000
EN4	PLASMA ENERGY PYROLYSIS SYSTEM (PEPS)	5748	0	0	0	0	0	0	0	0	6000
EN5	PORTA BELLA ENVIRONMENTAL CLEANUP	2398	0	0	0	0	0	0	0	0	2500
EN6	UNEXPLODED ORDNANCE IN SUPPORT OF MILITARY READ	3263	4060	0	0	0	0	0	0	0	3400
EN7	VANADIUM TECHNOLOGY PROGRAM	1254	1194	0	0	0	0	0	0	0	1300

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BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE
0603779A - Environmental Quality Technology Dem/Val

A. Mission Description and Budget Item Justification: There is a broad application potential for environmental quality technology (EQT) to be applied to multiple Army weapon systems and installations. However, technology must be validated (total ownership cost and performance data identified) before potential users will consider exploiting it. Therefore, this program element includes projects focused on validating the general military utility or cost reduction potential of technology when applied to different types of military equipment or techniques. It may include validations and proof-of-principle demonstrations in field exercises to evaluate upgrades or provide new operational capabilities. The validation of technologies will be in as realistic an operating environment as possible to assess performance or cost reduction potential. EQT demonstration/validation is systemic; i.e., applies to a class of systems (e.g., tanks or aircraft) or to a Department of Army-wide, multiple site/installation problem (e.g., unexploded ordnance detection and discrimination). This program will address, and eventually resource, programs in each of the environmental quality technology pillars (restoration, conservation, compliance, and pollution prevention). Work must be endorsed by potential users and supported by a state-of-the-art assessment (i.e., technology is well-in-hand).

B. Program Change Summary	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2003)	35030	9331	11694	9623
Current Budget (FY 2004/2005 PB)	39047	31121	11514	9454
Total Adjustments	4017	21790	-180	-169
Congressional program reductions				
Congressional rescissions		-359		
Congressional increases		23250		
Reprogrammings	4986	-203		
SBIR/STTR Transfer	-969	-898		
Adjustments to Budget Years			-180	-169

Change Summary Explanation: Funding - FY 2002: A Congressionally added project for Transportable Detonation Chamber Validation project was reprogrammed from Army Program Element 0602720A into this Program Element for execution. FY 2003: There were eight Congressionally added projects in FY03: Commercialization of Technology to Lower Defense Costs; Technologies to Reduce Non-Hazardous Waste; Waste Minimization and Pollution Prevention; Transportable Detonation Chamber Validation; Casting Emission Reduction Program (CERP); Managing Army Technology Environmental Enhancements; Unexploded Ordnance in Support of Military Readiness; and Vanadium Technology Program.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)

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BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
4 - Advanced Component Development and Prototypes	**0603779A - Environmental Quality Technology Dem/Val**	**035**

COST (In Thousands)		FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
035	NATIONAL DEFENSE CNTR FOR ENVIRO EXCELLENCE-NDCEE	4708	4639	4886	4863	8949	8913	19326	12462	Continuing	Continuing

A. Mission Description and Budget Item Justification: The National Defense Center for Environmental Excellence (NDCEE) was established by Congress in 1990 with a directive to "serve as a national leadership organization to address high priority environmental problems for the Department of Defense (DoD), other government organizations, and the industrial community." The NDCEE Program is a national resource for developing and disseminating advanced environmental technologies. The NDCEE is used to demonstrate environmentally acceptable technology to industry; validate new technology prior to transferring that technology; and assist in the training of potential users as part of that technology transfer process. The NDCEE is a DoD resource for environmental quality management and technology validation. This program is managed by the Army on behalf of the Office of the Assistant Deputy Under Secretary of Defense for Environment (ADUSD-E).

This project supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2002	FY 2003	FY 2004	FY 2005
- Management and operations of the NDCEE by the prime contractor.	0	1000	1100	1200
- Industrial base integration, operation of the NDCEE environmental technology facility, and environmental information analysis.	900	0	500	400
- Conduct demonstration/validation of environmentally acceptable technologies that enhance military readiness and reduce production, operating, and/or disposal costs.	2466	2994	2886	2863
- NDCEE Government program management during contract negotiations and execution and during project formulation, execution, and technology transfer.	1342	645	400	400
Totals	4708	4639	4886	4863

B. Other Program Funding Summary: Not applicable for this item.

C. Acquisition Strategy: The NDCEE is a national asset focused on DoD applications that include technology transfer to appropriate DoD organizations. An NDCEE task has been established that includes training of personnel to help exploit an NDCEE validated capability. This is essential to efficient and effective technology transfer. The NDCEE fosters an outreach program to describe its products and capabilities that includes publication of task results and participation in professional meetings, symposia, conferences, and coordination with industry as much as reasonable. The management strategy for the NDCEE centers on a DoD Executive Advisory Board (EAB) chaired by the DoD NDCEE Executive Agent on behalf of the ADUSD-E and composed of senior DoD leadership to direct and oversee NDCEE operations. The EAB is supported by an EAB Working Group (EABWG) that includes staff members from each of the offices represented on the EAB. The EABWG coordinates all NDCEE activities and reports back the EAB Principals. The EABWG is, in turn, supported by a Technical Working Group (TWG) that addresses the details of NDCEE program execution. The contracting strategy of the NDCEE is based on using an NDCEE Contracting Officer's Representative to validate all the contractual portions of the NDCEE and by technical monitors (TM) to oversee the technical aspects of each contracted task. TMs serve on the TWG. An NDCEE prime contractor operates an NDCEE test facility(s) to validate environmentally compatible technologies on a representative "shop floor". The NDCEE accounts for and conducts work for: (1) direct funded Army tasks; (2) reimbursable tasks from within DoD and from other Government agencies; and (3) Congressionally directed and funded tasks.

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BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE
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PROJECT
035

I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Not applicable.			0	0		0		0		0	0	0
Subtotal:			0	0		0		0		0	0	0

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Technical Data	C; CPFF	Concurrent Technologies Corporation (CTC), Johnstown, PA	900	1000		1600	1Q	1600		Continue	Continue	Continue
Subtotal:			900	1000		1600		1600		Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)

February 2003

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE
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PROJECT
035

III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Development Testing	C; CPFF	Concurrent Technologies Corp.	2466	0		0		0		0	2466	2466
b . Development Testing	C; CPFF	To be determined (new contract)	0	2994		2886	1Q	2863		Continue	Continue	Continue
Subtotal:			2466	2994		2886		2863		Continue	Continue	Continue

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Program Management Support	Allotment	Office of the Assistant Sec Army (Installations and Environment)	1342	645	2Q	400	1Q	400		Continue	Continue	Continue
Subtotal:			1342	645		400		400		Continue	Continue	Continue

Project Total Cost:			4708	4639		4886		4863		Continue	Continue	Continue

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)

February 2003

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
4 - Advanced Component Development and Prototypes	**0603779A - Environmental Quality Technology Dem/Val**	**04E**

COST (In Thousands)		FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
04E	ENVIRONMENTAL RESTORATION TECH VALIDATION	2538	4072	5343	3259	0	0	0	0	0	15212

A. Mission Description and Budget Item Justification: Unexploded Ordnance (UXO) Identification and Discrimination. The Army reported in the 2000 UXO Report to Congress that 72 installations have identified 531,167 acres of land known to be contaminated with UXO and an additional 940,438 acres of suspected UXO contamination. In addition, formerly used defense sites, many of which may no longer be under military ownership, may also have buried UXO. Current technologies are very expensive and have limited detection and discrimination capability in historical and active ranges, impact areas, landfills, underground storage locations, and open burning and open detonation sites. Technologies must be developed that are non-intrusive, accurately detect and discriminate scrap and shrapnel, and identify the orientation, configuration, and type of UXO. The development of identification/discrimination technologies is critical to increasing the safety to remove UXO, design appropriate removal operations, and decrease removal costs. The purpose is to demonstrate and validate UXO detection, discrimination, and identification systems that minimizes residual risk and significantly reduces remediation costs. The activities funded under this project implement the 1996 UXO Report to Congress and the 1998 Defense Science Board requirements to improve UXO discrimination capabilities by reducing false alarm rates tenfold while achieving greater than 90% probability of detection of a wide range of UXO in a variety of environmental and geologic conditions. The system will consist of arrays of sensors specifically designed to provide reliable signatures of buried UXO and advanced sensor fusion/signal analysis technologies that will allow robust discrimination and identification of buried UXO in the presence of man-made and natural clutter. This demonstration/validation program will be performed in stages, with prototype systems that incorporate the more mature technologies [magnetometry and multi-channel electro-magnetic induction (EMI)] being evaluated during the first year. Starting in FY 2003, sensors will be integrated into a UXO Multisensor and Analysis System as they mature.

This project supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2002	FY 2003	FY 2004	FY 2005
- Validation of prototype systems and approaches that integrate advanced magnetometry and EMI sensors with fusion/analysis algorithms to improve buried UXO detection, discrimination, and identification at well-characterized controlled sites.	1430	1114	222	204
- Controlled and live site validation of prototype UXO Multisensor and Analysis System.	1108	858	1141	715
- Integrate advanced sensors in prototype UXO Multisensor and Analysis System.	0	1000	2670	635
- Live site validation of enhanced prototype UXO Multisensor and Analysis System.	0	1100	1310	1705

Accomplishments/Planned Program (continued)	FY 2002	FY 2003	FY 2004	FY 2005
Totals	2538	4072	5343	3259

B. Other Program Funding Summary: Not applicable for this item.

Comment: This program is leveraging resources and knowledge gained from the Strategic Environmental Research and Development Program (SERDP), the Environmental Security Technology Certification Program (ESTCP) and the National Defense Center for Environmental Excellence (NDCEE).

C. Acquisition Strategy: The U.S. Army's Environmental Quality Technology (EQT) program provides new or innovative methods, equipment, materials, and/or protocols to reduce the total cost of Army operations and/or allow training operations to continue with minimum adverse impact on the environment that result from base operations and weapons system maintenance/support activities. The restoration demonstration/validation portion of EQT is designed to support Army -wide stewardship of its lands and facilities by focusing on the transfer of potential technological solutions to restoration problems on Army installations and to industry to support restoration of Army lands to their former or redesignated use. The restoration EQT demonstration/validation program goal is to support installation needs through exploitation of technology without compromising readiness or training. It accomplishes this goal in two steps. First, Technology Teams identify, prioritize, and justify technological solutions to Army high-priority environmental quality technology restoration requirements. Second, based on Department of the Army and Office of the Secretary of Defense guidance, funding authority is sought through the Army's planning, programming, and budgeting process. The EQT management oversight process consists of an Environmental Technology Technical Council (ETTC; a program management council), an Environmental Technology Integrated Process Team, (a working group supporting the ETTC) and, in this case, a Restoration Technology Team (composed of experts in restoration technology and in Army user needs).

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BUDGET ACTIVITY
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04E

I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Validate developed or commercially available technologies to discriminate and identify buried UXO.	C; BAA and CPFF	TBD - see remarks	500	650	1-2Q	0		0		0	1150	0
b . In-House Development - Integration of sensors, hardware/software, & navigation system into prototype	Allot	Army Environmental Center (AEC), Aberdeen Proving Ground, MD	750	984	1Q	480	1Q	250	1Q	0	2464	0
Subtotal:			1250	1634		480		250		0	3614	0

Remarks: Performing activity and location to be determined through input by an Army Environmental Quality Technology (EQT) UXO Identification and Discrimination Coordinating Committee. Army Environmental Center will consider input from the coordinating committee and determine the appropriate executing organization and location depending on the product to be validated.

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PROJECT
04E

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Contractor(s) support at test site(s) to facilitate the validation of technologies,	C; BAA and CPFF	TBD; see remarks.	250	500	2Q	0		0		0	750	0
b . In-House Development - Preparation of Test Sites	Allot	AEC	370	680	1Q	415	1Q	635	1Q	0	2100	0
Subtotal:			620	1180		415		635		0	2850	0

Remarks: Performing activity and location to be determined through input by an Army Environmental Quality Technology (EQT) UXO Identification and Discrimination Coordinating Committee. Army Environmental Center will consider input from the coordinating committee and determine the appropriate executing organization and location depending on the product to be validated.

III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Test & evaluate the effectiveness of potential technologies to discriminate & identify buried UXO.	C; BAA and CPFF	TBD; see remarks.	209	348	1Q	1125	1Q	615	1Q	0	2297	0
b . In-House Development - Planning and Execution	Allot	AEC	261	510	1Q	3013	1Q	1416	1Q	0	5200	0

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PROJECT
04E

III. Test and Evaluation (continued)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			470	858		4138		2031		0	7497	0

Remarks: Performing activity and location to be determined through input by an Army Environmental Quality Technology (EQT) UXO Identification and Discrimination Coordinating Committee. Army Environmental Center will consider input from the coordinating committee and determine the appropriate executing organization and location depending on the product to be validated.

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . In-house Management (ERDC)	MIPR	Engineer Research and Development Center (ERDC), Vicksburg, MS	100	200	1Q	25	1Q	25	1Q	0	350	0
b . In-House Management (AEC)	Allot	AEC	98	200	1-2Q	285	1-2Q	318	1-2Q	0	901	0
Subtotal:			198	400		310		343		0	1251	0

Remarks: Performing activity and location to be determined through input by an Army Environmental Quality Technology (EQT) UXO Identification and Discrimination Coordinating Committee. Army Environmental Center will consider input from the coordinating committee and determine the appropriate executing organization and location depending on the product to be demonstrated.

Project Total Cost:			2538	4072		5343		3259		0	15212	0

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BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
4 - Advanced Component Development and Prototypes	**0603779A - Environmental Quality Technology Dem/Val**	**04J**

COST (In Thousands)		FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
04J	ENVIRONMENTAL COMPLIANCE TECHNOLOGY VALIDATION	0	203	1285	1332	181	0	0	0	0	3001

A. Mission Description and Budget Item Justification: This project will support the "Sustainable Army Live-Fire Range Design and Maintenance" task by: (1) identifying risk assessment parameters for determining environmental compliance for training and live-fire operations and to identify on-post and off-post impacts; (2) demonstrating and validating a compliance risk assessment model for range siting, design, and maintenance to provide input to the military construction process; and (3) validating improved design elements for ranges that incorporate erosion and contaminant control technologies for current range problems and to support future sustainable range designs. Sustainable range designs and maintenance procedures will be validated based on lessons-learned and technologies and procedures developed in this effort, other programs, and other requirements. This project will validate a systemic capability to perform range specific assessments that are complementary to the Army Training and Testing Area Carrying Capacity methodology. This project will be overseen and executed by the Army Environmental Center (lead) and the Army Engineer Research and Development Center (testing/validation support).

This project supports the Legacy transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2002	FY 2003	FY 2004	FY 2005
- Validate a range maintenance prediction and reduction capability and a compliance impact prediction capability incorporating ordnance and erosion considerations.	0	203	0	0
- Demonstrate a Range Risk Assessment Model	0	0	145	0
- Demonstrate and validate Range Design Specifications	0	0	1080	1157
- Demonstrate the Munitions Carrying Capacity Model	0	0	60	175
Totals	0	203	1285	1332

B. Other Program Funding Summary: Not applicable for this item.

C. Acquisition Strategy: The Army Environmental Quality Technology (EQT) is an integrated user-focused program developing technology applications and providing technology transfer to appropriate Army organizations. The EQT requirements generation process is a bottom-up, user driven process. Army installation and major command (MACOM) stakeholders define technology materiel requirements for compliance. An Army Compliance Technology Team, which includes MACOM representation, formulates, defends, and helps oversee technical programs required to satisfy user needs, to include validation. EQT compliance technology demonstration and validation projects are executed in coordination with Army installation and MACOM users. In some cases, technology validation (either pilot or full scale) occurs at one or more installation or facilities having identified the compliance technology requirement. This is essential to efficient and effective technology transfer, as it provides installation participation and helps enable technology pull to occur. Once compliance technology capabilities are validated, technology transfer can occur via 1) direct implementation by using installations, 2) licensing of the technology to commercial entities that will provide service and implementation to the installations, and 3) licensing under cooperative research and development agreements in cases where commercial entities have provided cost sharing in the technology development. Additionally, products and capabilities will be transferred through publication of results and participation in professional meetings, symposia, conferences, and cooperation with industry as much as reasonable.

This project is currently focused on the "Sustainable Army Live-Fire Range Design and Maintenance" task, which is currently the only existing, funded task in this project. That task will validate a systemic capability to perform range specific assessments that are complementary to Army training and testing area carrying capacity estimates. It will be accomplished by using technical expertise from multiple Government organizations. Product development support will utilize personnel from the Construction Engineering Research and Development Laboratories, U.S. Army Engineer Research and Development Center and from the Army Environmental Center. Demonstration site support will be performed primarily by the Huntsville District, U.S. Army Corps of Engineers. Test and evaluation will be executed with a mix of Government personnel and supporting contractors.

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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Testing requirements and documentation	MIPR	Army Environmental Center, Aberdeen Proving Ground, MD; see remarks.	0	0		150	1Q	150	1Q	181	481	0
Subtotal:			0	0		150		150		181	481	0

Remarks: Actual performing activity and location will be determined through input from an Army EQT product Delivery Team chaired by the Army Environmental Center (AEC).

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Demonstration/validation site support	MIPR	Huntsville Division, US Army Corps of Engineers	0	0		50	1Q	50	1Q	0	100	0
b . Demonstration/validation site support	MIPR	US Army Construction Engineering Research Laboratories, Urbana, IL	0	0		50		50		0	100	0
Subtotal:			0	0		100		100		0	200	0

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Validation testing	MIPR	Army Environmental Center, MD; see remarks.	0	0		960	1Q	1007	1Q	0	1967	0
Subtotal:			0	0		960		1007		0	1967	0

Remarks: Actual performing activity and location will be determined through input from an Army EQT product Delivery Team chaired by the Army Environmental Center (AEC).

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Management by the Army Environmental Center (AEC)	Allot	AEC, Aberdeen Proving Ground, MD	0	203		75		75		0	353	0
Subtotal:			0	203		75		75		0	353	0
Project Total Cost:			0	203		1285		1332		181	3001	0