ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

	COST (In Thousands)	FY 2003 Actual	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	30980	40509	9356	9050	8839	15200	12327	Continuing	Continuing
035	NATIONAL DEFENSE CNTR FOR ENVIRO EXCELLENCE-NDCEE	4562	4831	4813	8871	8839	15200	12327	Continuing	Continuing
04E	ENVIRONMENTAL RESTORATION TECH VALIDATION	4005	5284	3225	0	0	0	0	0	15052
04F	COMMERCIALIZATION OF TECH TO LOWER DEFENSE COSTS	3009	0	0	0	0	0	0	0	13731
04I	TECHNOLOGIES TO REDUCE NON-HAZARDOUS WASTE	1624	989	0	0	0	0	0	0	0
04J	ENVIRONMENTAL COMPLIANCE TECHNOLOGY VALIDATION	199	1271	1318	179	0	0	0	0	2967
04K	WASTE MINIMIZATION AND POLLUTION PREVENTION	1719	1385	0	0	0	0	0	0	0
E12	TRANSPORTABLE DETONATION CHAMBER VALIDATION	3344	4747	0	0	0	0	0	0	5786
E14	ENVIRONMENTAL SECURITY INITIATIVE (CA)	0	3362	0	0	0	0	0	0	3362
E15	ARSENIC REMOVAL (CA)	0	1681	0	0	0	0	0	0	1681
E16	ABERDEEN PG ASBESTOS CONVERSION FACILITY (CA)	0	1385	0	0	0	0	0	0	1385
E17	ARMY ENVIRONMENTAL SOLUTIONS PROGRAM (CA)	0	2473	0	0	0	0	0	0	2473
E19	SUSTAINABLE INSTALLATIONS INITIATIVE (CA)	0	989	0	0	0	0	0	0	989
EN1	CASTING EMISSION REDUCTION PROGRAM (CERP)	6307	3955	0	0	0	0	0	0	11458
EN3	MANAGING ARMY TECHNOLOGY ENVIRON ENHANCEMENTS	955	3114	0	0	0	0	0	0	1000

EN6	UNEXPLODED ORDNANCE IN SUPPORT OF MILITARY READ	4061	5043	0	0	0	0	0	0	3400
EN7	VANADIUM TECHNOLOGY PROGRAM	1195	0	0	0	0	0	0	0	1300

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 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	31121	11514	9454
Current Budget (FY 2005 PB)	30980	40509	9356
Total Adjustments	-141	28995	-98
Congressional program reductions		-384	
Congressional rescissions			
Congressional increases		29450	
Reprogrammings	-141	-71	
SBIR/STTR Transfer			
Adjustments to Budget Years			-98

Change Summary Explanation: Funding – FY 2004: There were eleven Congressionally added projects in FY04: Technologies to Reduce Non-Hazardous Was

te; Waste Minimization and Pollution Prevention; Transportable Detonation Chamber Validation; Environmental Security Initiative; Arsenic Removal, Aberdeen Proving Ground Asbestos Conversion Facility; Army Environmental Solutions Program; Sustainable Installations Initiative, Casting Emission Reduction Program, and Managing Army Technology Environmental Enhancements.

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

February 2004

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

COST (In Thousands)		FY 2003 Actual	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	4562	4831	4813	8871	8839	15200	12327	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 Current to Future transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2003	FY 2004	FY 2005
Management and operations of the NDCEE by the prime contractor.	1000	1000	1200
Industrial base integration, operation of the NDCEE environmental technology facility, and environmental information analysis.	0	500	400
Conduct demonstration/validation of environmentally acceptable technologies that enhance military readiness and reduce production, operating, and/or disposal costs.	2917	2791	2813
NDCEE Government program management during contract negotiations and execution and during project formulation, execution, and technology transfer.	645	400	400
Small Business Innovative Research/Small Business Technology Transfer Programs	0	140	0
Totals	4562	4831	4813

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.

ARMY RDT&E COST ANALYSIS(R3)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

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	2Q	1600		Continue	Continue	Continue
Subtotal:			900	1000		1600		1600		Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R3)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

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 **	0	2917		2831	2Q	2813	2Q	Continue	8561	Continue
Subtotal:			2466	2917		2831		2813		Continue	11027	Continue

Remarks: ** Note: There is a competitive procurement in process. Award will be made second quarter in FY04. The FY03 amount of $2.9M will be used on the first task order awarded on the new contract.

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	2Q	400		Continue	Continue	Continue
Subtotal:			1342	645		400		400		Continue	Continue	Continue
Project Total Cost:			4708	4562		4831		4813		Continue	Continue	Continue

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

February 2004

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

COST (In Thousands)		FY 2003 Actual	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	4005	5284	3225	0	0	0	0	0	15052

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 Current to Future transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	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.	1114	222	199
- Controlled and live site validation of prototype UXO Multisensor and Analysis System.	791	1135	715
- Integrate advanced sensors in prototype UXO Multisensor and Analysis System.	1000	2514	635
- Live site validation of enhanced prototype UXO Multisensor and Analysis System.	1100	1260	1676

Accomplishments/Planned Program (continued)	FY 2003	FY 2004	FY 2005
Small Business Innovative Research/Small Business Technology Transfer Programs.	0	153	0
Totals	4005	5284	3225

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

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).
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).

ARMY RDT&E COST ANALYSIS(R3)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

PROJECT
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.	Allot	Army Environmental Center (AEC), Aberdeen Proving Ground, MD	500	650	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	2Q	480	2Q	250	2Q	0	2464	0
Subtotal:			1250	1634		480		250		0	3614	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 . Support at test site(s) to facilitate the validation of technologies,	Allot	U.S. Army ESC, Huntsville, AL; AEL, Vicksburg, MS; and ATC, Aberdeen Proving Ground, MD*	250	500	2Q	0		0		0	750	0
b . In-House Development - Preparation of Test Sites	Allot	AEC	370	680	2Q	415	2Q	635	2Q	0	2100	0

ARMY RDT&E COST ANALYSIS(R3)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

PROJECT
04E

II. Support Cost (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:			620	1180		415		635		0	2850	0

Remarks: *U.S. Army Engineering and Support Center, Huntsville, AL; U.S. Army Environmental Laboratory, Vicksburg, MS; and Aberdeen Test Center, Aberdeen Proving Ground, MD

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.	Allot	U.S. Army ESC, Huntsville, AL; AEL, Vicksburg, MS; and ATC, Aberdeen Proving Ground, MD*	209	281	2Q	1166	2Q	581	2Q	0	2237	0
b . In-House Development - Planning and Execution	Allot	AEC	261	510	2Q	2913	2Q	1416	2Q	0	5100	0
Subtotal:			470	791		4079		1997		0	7337	0

Remarks: *U.S. Army Engineering and Support Center, Huntsville, AL; U.S. Army Environmental Laboratory, Vicksburg, MS; and Aberdeen Test Center, Aberdeen Proving Ground, MD

ARMY RDT&E COST ANALYSIS(R3)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

PROJECT
04E

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	2Q	25	2Q	25	2Q	0	350	0
b . In-House Management (AEC)	Allot	AEC	98	200	2Q	285	2Q	318	2Q	0	901	0
Subtotal:			198	400		310		343		0	1251	0
Project Total Cost:			2538	4005		5284		3225		0	15052	0

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

February 2004

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

COST (In Thousands)		FY 2003 Actual	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	199	1271	1318	179	0	0	0	0	2967

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 Current to Future transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	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.	199	0	0
- Demonstrate a Range Risk Assessment Model	0	125	0
- Demonstrate and validate Range Design Specifications	0	1053	1133
- Demonstrate the Munitions Carrying Capacity Model	0	56	185
Small Business Innovative Research/Small Business Technology Transfer Programs	0	37	0
Totals	199	1271	1318

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.

ARMY RDT&E COST ANALYSIS(R3)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

PROJECT
04J

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	2Q	150	2Q	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	2Q	50	2Q	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

ARMY RDT&E COST ANALYSIS(R3)

February 2004

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

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

PROJECT
04J

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		946	2Q	993	2Q	0	1939	0
Subtotal:			0	0		946		993		0	1939	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	199		75		75		0	349	0
Subtotal:			0	199		75		75		0	349	0
Project Total Cost:			0	199		1271		1318		181	2969	0