

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

June 2001

BUDGET ACTIVITY

**6 - MANAGEMENT SUPPORT**

PE NUMBER AND TITLE

**0605857A - Environmental Quality Technology Mgmt Support**

COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	5368	1733	0	0	0	0	0	0	0
031 ACQUISITION POLLUTION PREVENTION	0	5368	1733	0	0	0	0	0	0	0
06E ENVIRONMENTAL RESTORATION TECH SUPPORT	0	0	0	0	0	0	0	0	0	0

## **A. Mission Description and Budget Item Justification:**

**PLEASE NOTE:** This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This program element resources environmental quality technology (EQT) related management support functions including support of RDT&E required for EQT technical integration efforts at demonstration/validation test sites, technical information and activities, test facilities and general test instrumentation, and EQT requirement assessments. Funds required to support technology transfer associated with technology demonstrated or validated as part of Army EQT projects are included in this program element. In addition, support to the Army weapon system acquisition community to address generic environmental quality related requirements are included under the Acquisition Pollution Prevention program.

The Acquisition Pollution Prevention program provides support to the weapon system acquisition community; e.g., program and project managers, to integrate environmental quality analyses into system acquisition. The Acquisition Pollution Prevention program goal is to resolve environmental quality issues related to weapon systems that are identified during design, development, testing, operation, or support to reduce Army environmental liabilities and life-cycle cost and includes the following: support to the Joint Group for Pollution Prevention, efforts to eliminate the use of ozone-depleting materials from weapon systems and facilities, and helping to ensure the continued availability of Halon 1301 to support weapon system fire suppression requirements through the year 2020.

The Environmental Restoration Technology Support Project will, beginning in FY 2003: (1) support the technical integration of an enhanced sensing/processing system for optimized multi-sensor unexploded ordnance (UXO) identification and discrimination at an RDT&E validation site and (2) support the technical integration of a comprehensive hazard/risk assessment capability to predict contaminant, ecological, and human risks on active and inactive firing ranges of military unique materials at an RDT&E demonstration site.

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<u><b>B. Program Change Summary</b></u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	0	5418	5322	0
Appropriated Value	0	5418	0	
a. Congressional General Reductions	0	0	0	
b. SBIR/STTR	0	0	0	
c. Omnibus or Other Above Threshold Reductions	0	0	0	
d. Below Threshold Reprogramming	0	0	0	
e. Rescissions	0	-50	0	
Adjustments to Budget Years Since FY2001 PB	0	0	-3589	
Current Budget Submit (FY 2002/2003 PB )	0	5368	1733	0

Change Summary Explanation: Funding - FY 2002: Funds realigned to higher priority programs (-3589). FY 2003: Funds realigned to higher priority programs (-3768). Also, funds were added to this program element to begin supporting the integration of technology for an enhanced capability to identify and discriminate unexploded ordnance and to help implement a comprehensive risk assessment/modeling system to predict contaminant, ecological, and human risks for active and inactive Army ranges (+160).

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BUDGET ACTIVITY <b>6 - MANAGEMENT SUPPORT</b>				PE NUMBER AND TITLE <b>0605857A - Environmental Quality Technology Mgmt Support</b>				PROJECT <b>031</b>		
COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
031 ACQUISITION POLLUTION PREVENTION	0	5368	1733	0	0	0	0	0	0	0
<p><b>A. Mission Description and Budget Item Justification:</b> This program is not a new start. The Acquisition Pollution Prevention program provides support to the weapon system acquisition community to integrate environmental quality issues and concerns into the weapon system acquisition process. The Army Acquisition Executive, the Assistant Secretary of the Army (Acquisition, Logistics, and Technology), and the Commanding General, Army Materiel Command have defined the functions of the Acquisition Pollution Prevention program in coordination with the office of the Assistant Secretary of the Army for Installations and Environment. This project supports acquisition policy support for the environmental quality concerns of Program Executive Officers and Program Managers and environmental training for the weapon system acquisition community. The Acquisition Pollution Prevention program helps the Army achieve environmental compliance with its weapon systems directed by international treaties, Federal statutes, National Emission Standards, Executive Orders, and DoD and Army policies and regulations.</p> <p>The Acquisition Pollution Prevention program funds weapon system acquisition support to the Army's Environmental Technology Technical Council and coordinates environmental quality related weapon systems' needs for expanded science and technology efforts. The Acquisition Pollution Prevention program projects are executed using appropriate Army research, development, and engineering centers; Army laboratories; the National Defense Center for Environmental Excellence (NDCEE); and contractor facilities. New technologies are assessed for toxicity and safety risk and are implemented by weapon system program managers with their resources during design, development, or production; on the shop floor; during operations; and/or through improved materials and processes used by or on their system.</p> <p>The Acquisition Pollution Prevention program includes Army efforts to eliminate the use of ozone-depleting chemicals from weapon systems and facilities, the Army Halon 1301 reserve, and Army acquisition efforts to eliminate the use of hazardous and toxic materials on Army weapon systems. The Acquisition Pollution Prevention program works in coordination with field units and field commands to leverage lessons-learned from field commanders to reduce the burden of hazardous materials on logistics and to reduce hazardous waste generated during operations and support of weapon systems. This includes supporting National Environmental Policy Act (NEPA) analyses by sharing data at the major command, installation, and unit level as appropriate. The focus of the Acquisition Pollution Prevention program is on readiness, improved acquisition processes, reduced supportability burden, and life-cycle cost avoidances. The Acquisition Pollution Prevention program includes support to the Joint Group for Pollution Prevention (JG-PP).</p>										

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Mgmt Support**

PROJECT

**031**

## **FY 2000 Accomplishments**

- Project funded under Operations and Maintenance, Army (Program Element 48854). Army Acquisition Pollution Prevention Program (A2P3) RDT&E activities suspended until FY01.

## **FY 2001 Planned Program**

- 136 - Toxicological assessment of alternative new materials
  - 750 - Program Management and Oversight
  - 2695 - Test and Evaluation for Ammunition/Munitions Production and Industrial Base Support
    - Test and Evaluation for Aviation and Missile Production and Support
    - Test and Evaluation for Communication/Electronics Production and Support
    - Test and Evaluation for Tracked and Wheeled Vehicles Systems Production and Support
    - Test and Evaluation for Soldier Systems and Biological/Chemical Defense Production and Support
  - 1215 - Process Support to Army research, development, and engineering centers
  - 412 - Joint Group for Pollution Prevention
  - 160 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs.
- Total 5368

## **FY 2002 Planned Program**

- 738 - Program management and oversight
- 180 - Halon management and oversight
- 150 - Toxicity assessment for new materials and processes
- 120 - Joint Group for Pollution Prevention
- 175 - Environmental Technology Technical Council support
- 370 - Test and Evaluation for Ammunition/Munitions

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<p><b><u>FY 2002 Planned Program (Continued)</u></b></p> <p>- Test and Evaluation for Wheeled and Tracked Vehicles</p> <p>Total 1733</p>		