

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY <b>6 - Management and Support</b>				PE NUMBER AND TITLE <b>0605854A Pollution Prevention</b>						
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	4773	10624	0	0	0	0	0	0	0	15397
M0PP Pollution Prevention - AMC Test Ranges	0	1150	0	0	0	0	0	0	0	1150
M1PP Pollution Prevention - AMC Major Subordinate Commands/Laboratories	146	145	0	0	0	0	0	0	0	291
M5PP Pollution Prevention - USASMDC	2146	1134	0	0	0	0	0	0	0	3280
M8PP Pollution Prevention - Acquisition Pollution Prevention	2481	8195	0	0	0	0	0	0	0	10676

**A. Mission Description and Budget Item Justification:** This program funds the non-research portion of the Army's RDTE funded environmental pollution prevention program. The program funds test and evaluation pollution prevention efforts addressing environmental compliance and mission readiness issues affecting Army weapon systems; supporting industrial facilities; and RDTE funded installations, laboratories and test ranges. Pollution prevention is any action designed to reduce or eliminate (rather than control or treat), through source reduction actions, the procurement and use of hazardous materials and the generation of hazardous waste; more efficient use of natural resources; recycling; and/or reduced emissions of toxins and other waste to the environment. Acquisition pollution prevention addresses the adverse impact of hazardous materials and hazardous waste on the operational readiness of Army weapon systems and facilities. Issues include prove-out/engineering of alternatives to (1) ozone-depleting chemicals and (2) hazardous and toxic chemicals and materials used in weapon system fire protection, cooling and refrigeration applications, manufacturing and maintenance processes and specialized test practices throughout the weapon system life cycle. These activities account for approximately 90 percent of the hazardous waste generated by the U.S. Army. This program includes the review and revision of standardized technical documentation containing design, procurement and maintenance requirements, and procedures supporting materiel procurement such as the Joint Group for Acquisition Pollution Prevention. Projects under this program meet Army definitions: Class O - Projects needed to cover essential administrative, personnel, and other costs required to manage environmental activities and monitor environmental condition associated with compliance; Class I - support compliance with legally binding agreements or judgments under applicable federal, state, local or host nation environmental laws; Class II - projects required to comply with established standard, and deadline for compliance in the future. Class I and II projects comply with the Montreal Protocol, the Clean Air Act, the Pollution Prevention Act, the Emergency Planning and Right-to-Know Act, and Executive Order 12856 (and others). Beginning in FY2000, Pollution Prevention is transferred to the Operations and Maintenance, Army (OMA) appropriation.

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<b>B. Program Change Summary</b>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget ( <u>FY 1999 PB</u> )	5187	8694	13401	6396
Appropriated Value	5353	10694		
Adjustments to Appropriated Value				
a. Cong Gen Reductions	-166	-70		
b. SBIR/STTR	-130			
c. Omnibus or Other Above Threshold Reductions	-42			
d. Below Threshold Reprogramming	-242			
e. Rescissions				
Adjustments to Budget Years Since <u>FY 1999 PB</u>			-13401	-6396
Current Budget Submit (FY 2000/2001 PB Submission)	4773	10624	0	0

Change Summary Explanation:   Funding – FY 1999 - \$2M Congressional add.  
   Beginning FY 2000, the Pollution Prevention Program transferred to OMA.

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<b>BUDGET ACTIVITY</b> <b>6 - Management and Support</b>				<b>PE NUMBER AND TITLE</b> <b>0605854A Pollution Prevention</b>				<b>PROJECT</b> <b>MOPP</b>		
<i>COST (In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
MOPP Pollution Prevention - AMC Test Ranges	0	1150	0	0	0	0	0	0	0	1150
<p><b>Mission Description and Justification:</b> Resources in this project ensure an adequate level of funding for pollution prevention requirements at Yuma Proving Ground (YPG), AZ; Garrison Aberdeen Proving Ground (GAPG), MD; Dugway Proving Ground (DPG), UT; and White Sands Missile Range (WSMR), NM. These operations are critical to the infrastructure and execution of the Army testing mission.</p> <p><b>FY 1998 Accomplishments:</b> Project was not funded in FY 1998.</p> <p><b>FY 1999 Planned Program:</b></p> <ul style="list-style-type: none"> <li>• 1119 Fund Class O, Class I and Class II pollution prevention programs and projects. Programs such as reporting of Toxic Release Inventories, solid and hazardous waste reduction programs, implementation of storm water pollution prevention plans, purchase of spill response supplies and equipment, etc. Also fund Emergency Planning and Community Right-to-Know Act (EPCRA) compliance preventive projects. Include projects such as Chlorine Replacement – Water treatment and Closed Loop Washrack at GAPG; Implementation of Pollution Prevention Opportunities at DPG; Yard Waste and Tire Shredder at WSMR; and Executive Order 12856 Implementing Strategy at YPG.</li> <li>• 31 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs</li> </ul> <p>Total 1150</p> <p><b>FY 2000 Planned Program:</b> Project funded in OMA.</p> <p><b>FY 2001 Planned Program:</b> Project funded in OMA.</p>										
Project MOPP			Page 3 of 7 Pages				Exhibit R-2A (PE 0605854A)			

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BUDGET ACTIVITY <b>6 - Management and Support</b>				PE NUMBER AND TITLE <b>0605854A Pollution Prevention</b>				PROJECT <b>M1PP</b>		
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M1PP Pollution Prevention - AMC Major Subordinate Commands/Laboratories	146	145	0	0	0	0	0	0	0	291
<p><b>Mission Description and Justification:</b> Resources in this project ensure an adequate level of funding for pollution prevention requirements at Army Research Laboratory (ARL), Adelphi, MD; Armament Research, Development and Engineering Center (ARDEC), Picatinny Arsenal, Dover, NJ; Soldier and Biological Chemical Command (SBCCOM), Natick, MA; and Army Research Laboratory Materials Technology Directorate (ARLMTD), APG, MD.</p> <p><b>FY 1998 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>• 146 Funded Class I and Class II pollution prevention programs such as waste solvent replacement programs, purchase of alternate fuel vehicles, construction of sound-absorbing barriers, implementation of storm water pollution prevention plans, purchase of spill response equipment, etc.</li> </ul> <p>Total 146</p> <p><b>FY 1999 Planned Program:</b></p> <ul style="list-style-type: none"> <li>• 141 Fund Class I and Class II pollution prevention programs such as waste solvent replacement programs, purchase of alternate fuel vehicles, construction of sound-absorbing barriers, implementation of storm water pollution prevention plans, purchase of spill response equipment, etc.</li> <li>• 4 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs</li> </ul> <p>Total 145</p> <p><b>FY 2000 Planned Program:</b> Project funded in OMA.</p> <p><b>FY 2001 Planned Program:</b> Project funded in OMA.</p>										
Project M1PP			Page 4 of 7 Pages				Exhibit R-2A (PE 0605854A)			

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BUDGET ACTIVITY <b>6 - Management and Support</b>				PE NUMBER AND TITLE <b>0605854A Pollution Prevention</b>				PROJECT <b>M5PP</b>		
COST <i>(In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M5PP Pollution Prevention - USASMDC	2146	1134	0	0	0	0	0	0	0	3280
<p><b><u>Mission Description and Justification:</u></b> Resources in this project ensure an adequate level of funding for pollution prevention requirements at the USASMDC.</p> <p><b>FY 1998 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>• 2146 Funded pollution prevention programs such as hazardous material satellite areas, recycling of metals, Halon reduction, pollution prevention, etc.</li> </ul> <p>Total 2146</p> <p><b>FY 1999 Planned Program:</b></p> <ul style="list-style-type: none"> <li>• 1104 Fund pollution prevention programs such as hazardous material satellite areas, recycling of metals, Halon reduction, pollution prevention, etc.</li> <li>• 30 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs</li> </ul> <p>Total 1134</p> <p><b>FY 2000 Planned Program:</b> Project funded in OMA.</p> <p><b>FY 2001 Planned Program:</b> Project funded in OMA.</p>										
Project M5PP			<i>Page 5 of 7 Pages</i>				Exhibit R-2A (PE 0605854A)			

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<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)</b>	DATE <b>September 1998</b>
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<b>BUDGET ACTIVITY</b> <b>6 - Management and Support</b>	<b>PE NUMBER AND TITLE</b> <b>0605854A Pollution Prevention</b>	<b>PROJECT</b> <b>M8PP</b>
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COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M8PP Pollution Prevention - Acquisition Pollution Prevention	2481	8195	0	0	0	0	0	0	0	10676

**Mission Description and Justification:** Develop and implement the Army Acquisition Pollution Prevention program to reduce requirements for hazardous materials and toxic chemicals used throughout the weapon system life cycle. The program supports Army compliance with the Montreal Protocol, the Clean Air Act, the Pollution Prevention Act and Executive Order 12856 (and others). This program primarily funds test and evaluation of environmentally acceptable alternative materials and processes used in weapon system design, testing, production, maintenance, operation and support. Issues directly affecting operational readiness of weapon systems and supporting facilities take top priority. Support is also provided for the Joint Group for Acquisition Pollution Prevention.

**FY 1998 Accomplishments:**

- 145 Toxicological Assessment of Alternative New Materials
- 251 Program Management and Oversight
- 600 Test and Evaluation related to Ammunition/Munition Production (test procedures, tracer composition, sealing and coating)
- 300 Test and Evaluation related to Aviation and Missile Production (powder coating, and alternative fuels)
- 85 Test and Evaluation related to Electronics Production and Support (batteries)
- 480 Test and Evaluation related to Chemical Biological Defense test procedures
- 620 Process Support in the Industrial Base
- Total 2481

**FY 1999 Planned Program:**

- 137 Toxicological Assessment of Alternative New Materials
- 282 Program Management and Oversight
- 2200 Test and Evaluation related to Ammunition/Munition Production
- 1215 Test and Evaluation related to Aviation and Missile Production
- 190 Test and Evaluation related to Electronics Production and Support
- 623 Test and Evaluation related to Track and Wheeled System Production
- 1006 Test and Evaluation related to Chemical Biological Defense
- 615 Test and Evaluation related to Soldier System
- 290 Process Support in the Industrial Base



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