

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>	DATE <b>February 1999</b>
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<b>BUDGET ACTIVITY</b> <b>6 - Management and Support</b>	<b>PE NUMBER AND TITLE</b> <b>0605854F Pollution Prevention</b>	<b>PROJECT</b> <b>1007</b>
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COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
1007 Pollution Prevention	5,322	5,144	2,553	2,566	2,695	2,757	2,814	2,873	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

**(U) A. Mission Description**

For FY97-98 this program element funded pollution prevention efforts required to accomplish the objectives and subobjectives of the Air Force Pollution Prevention Strategy to include installation level programs at Air Force Material Command Major Range and Test Facility bases (Eglin, Arnold, and Edwards AFBs) and cross-cutting weapons systems pollution prevention tools. It also funded efforts to validate and qualify environmentally acceptable materials and processes to replace existing common hazardous materials and processes. The account provides funds for Class 0 (recurring work to keep the gates open) and Class 1 (work required to eliminate dependence on ozone depleting chemicals, work to correct current non-compliance with federal, state or local environmental laws, and work required to satisfy pollution prevention Executive Orders). Typical services and projects included: eliminating ozone depleting chemicals and hazardous materials; reducing the generation of hazardous waste, air emissions, and solid wastes; establishing and operating recycling and composting programs; and establishing and operating hazardous material pharmacies and centralized hazardous material tracking programs.

Beginning in FY99, all funds for Test Facility base operations support (RDT&E) were transferred to operations and maintenance. Remaining RDT&E funds are for development and test efforts to validate and qualify environmentally acceptable materials and processes to replace existing common hazardous materials and processes, cross-cutting weapons systems pollution prevention tools, and management and support costs in direct support of development efforts to meet compliance problems.

For FY00-01, funds will be used to target efforts that demonstrate and validate alternative aircraft painting/depainting, maintenance processes which reduce the compliance burden associated with National Emissions Standard for Hazardous Air Pollutants(NESAAP), Clean Air Act and other environmental requirements. Specifically, funds will target pollution prevention technologies, including replacement of chromate conversion coating on aluminum and magnesium based metals, nonchromated primers to replace zinc chromate, and environmentally safe replacement for cadmium plating.

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<u>(U) FY 1998 (\$ in Thousands):</u>		
- (U) \$ 516	Manpower and Education and Training	
- (U) \$ 692	Class 0 Projects: Opportunity assessments, contractor support, management action plan updates, computer support, hazardous material pharmacy supplies and equipment, and community awareness activities.	
- (U) \$ 183	Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste	
- (U) \$ 43	Resource Conservation and Recovery Act (RCRA) Subtitle D - Solid Waste	
- (U) \$ 129	Clean Air Act	
- (U) \$ 11	Clean Water Act	
- (U) \$ 636	Hazardous Material Reduction	
- (U) \$ 44	Other	
- (U) \$ 3,068	Class I Dem/Val Projects: Validation and qualification of commercially available material, equipment, and processes to support the Montreal Protocol and Air Force Pollution Prevention Strategy objectives and subobjectives in accordance with the Environmental Research and Development Strategic Plan. The demonstration/validation phase is system specific and includes advanced technology demonstrations that help expedite technology transition from the laboratory to operational use to meet compliance problems	
- (U)\$ 5,322	Total	
<u>(U) FY 1999 (\$ in Thousands):</u>		
- (U) \$ 294	Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste	
- (U) \$ 75	Resource Conservation and Recovery Act (RCRA) Subtitle D - Solid Waste	
- (U) \$ 294	Clean Air Act	
- (U) \$ 100	Clean Water Act	
- (U) \$ 621	Hazardous Material Reduction	
- (U) \$ 160	Identified as a source for SBIR	
- (U) \$ 100	Other	
- (U) \$ 3,500	Dem/Val of Advanced Low Pollution Coating Technologies	
- (U) \$ 5,144	Total	
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<p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>- (U) \$ 405 Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste</li> <li>- (U) \$ 262 Resource Conservation and Recovery Act (RCRA) Subtitle D - Solid Waste</li> <li>- (U) \$ 837 Clean Air Act</li> <li>- (U) \$ 235 Clean Water Act</li> <li>- (U) \$ 549 Hazardous Material Reduction</li> <li>- (U) \$ 265 Other</li> <li>- (U) \$ 2,553 Total</li> </ul> <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>- (U) \$ 418 Resource Conservation and Recovery Act (RCRA) Subtitle C - Hazardous Waste</li> <li>- (U) \$ 262 Resource Conservation and Recovery Act (RCRA) Subtitle D - Solid Waste</li> <li>- (U) \$ 837 Clean Air Act</li> <li>- (U) \$ 235 Clean Water Act</li> <li>- (U) \$ 549 Hazardous Material Reduction</li> <li>- (U) \$ 265 Other</li> <li>- (U) \$ 2,566 Total</li> </ul> <p><b>(U) B. Budget Activity Justification:</b>            This program is in Budget Activity 6, Management and Support, because the majority of funding is directed toward support of test facilities required for general research and development use. Beginning in FY99, all O&amp;M funds for test facility operations were transferred to O&amp;M accounts. Action to change to BA 4, Demonstration and Validation, is on-going, because the remaining funds in this account are primarily for RDT&amp;E dem/val of pollution prevention technologies.</p>		
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 <b>(U) C. <u>Program Change Summary (\$ in Thousands)</u></b>					
	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY1999 PB)	9,251	1,673	2,600	2,615	TBD
(U) Appropriated Value	9,880	5173			
(U) Adjustments to Appropriated Value					
a. Congressional General Reductions	-441	-29			
b. SBIR	-188				
c. Omnibus or Other Above Threshold Reprogram	-3929				
d. Below Threshold Reprogramming					
Adjustments to Budget Years since FY1999 PB			-47	-49	
(U) Current Budget Submit/FY 2000 President's Budget	5,322	5,144	2,553	2,566	TBD
FY1999: \$160 identified as a source for SBIR.					
<b>(U) Significant Program Changes:</b>					
<p>A \$3.869M FY98 realignment of RDT&amp;E (3600) funds to O&amp;M (3400) funds was accomplished in support of the Installation Restoration Program (IRP). FY98 Congress added \$4.0M (less general reductions) to program element 0605854F in support of a computerized ground water monitoring system. DoD policy requires 3400 (O&amp;M) Environmental Restoration Funds be used for this requirement.</p> <p>The change in FY99 is due to a \$3.5M congressional add for Advanced Low Pollution Coating Technology Pollution Prevention Dem/Val efforts.</p>					
<b>(U) D. <u>Other Program Funding Summary (\$ in Thousands)</u></b> Not Applicable					
<b>(U) E. <u>Acquisition Strategy:</u></b> Not applicable					
<div style="display: flex; justify-content: space-between;"> <span>Project 1007</span> <span>Page 4 of 5 Pages</span> <span>Exhibit R-2 (PE 0605854F)</span> </div>					

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(U) **F. Schedule Profile** All funds except for the Congressional Add are associated with many projects in other acquisition (appropriations) programs, thus management of project schedules is not accomplished within this PE. These funds are used to ensure pollution prevention applications are developed during other Air Force acquisition programs. The schedule for the new congressional add, \$3.5M Advanced Low Pollution Coating Technology dem/val efforts, is as follows:

	FY99/QTR				FY00/QTR			
	1	2	3	4	1	2	3	4
(U) Contract Award of ALPCT Efforts				X				
(U) Prototype Development					X			
(U) Demonstration/Validation						X	X	
(U) Contract Completion								X

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