

NOMINATION FOR AWARD

AWARD General Thomas D. White Restoration Award		CATEGORY (If Applicable) Installation	AWARD PERIOD 1 Oct 00 - 30 Sep 02
RANK/NAME OF NOMINEE (First, Middle Initial, Last)		SSN (Enter Last 4 Only)	MAJCOM, FOA, OR DRU AFMC
DAFSC/DUTY TITLE		NOMINEE'S TELEPHONE (DSN & Commercial)	
UNIT/OFFICE SYMBOL/STREET ADDRESS/BASE/STATE/ZIP CODE Hill AFB, Utah 84056-5137			
RANK/NAME OF UNIT COMMANDER (First, Middle Initial, Last):COMMANDER'S TELEPHONE (DSN & Commercial)			

SPECIFIC ACCOMPLISHMENTS (Use single-spaced, bullet format)

PLANNING TO CLOSE OR HAVE FINAL REMEDIES IN PLACE AT SITES BY YEAR 2015:

- Worked with regulators, communities, and contractors to focus on site closure and remedy goals
 - 72% of sites completed by FY03; all 108 by 2008 - seven years ahead of AF and DoD goals!
 - 8 sites closed in FY01-FY02--Remedies in place for all high-risk sites by 2007 meeting AF goals!
 - Aggressive approach developed with regulators allowing pragmatic closure of 72 of 108 sites/areas of concern (AOCs) at Utah Test and Training Range (UTTR) North by 2004--less than 2 years!
- TAKING INNOVATIVE ACTIONS TO LIMIT CONTAMINATION EXPANSION AND TO SPEED UP FINAL REMEDIAL ACTION:** Culture of innovation makes Hill a leader in the DoD!
- Treated 56.6 million gallons of contaminated groundwater from sixteen containment systems
 - Containment at three newly discovered sites will be in place by 2004--Achieving containment!
- Used flexible contracts, innovative technologies, close teaming with city officials and the community to accelerate a complex remedial investigation in a populated off base area. Entire process completed in 25% of normal time. Saved \$500K and built significant public trust as a good neighbor!
- Contained 81-acre plume--optimization pumping achieved containment 7 months ahead of schedule
- Free product recovery system optimized--increasing production by 8%--removing over 4750 gallons of dense non-aqueous phase liquid (DNAPL) and avoiding \$8.3M in future treatment costs!
- Extended effective recovery by successful removal of over 1,200 gallons of DNAPL using innovative surfactant extraction and steam stripping system--Saved \$5M over conventional extraction systems!
 - Over 43,000 gallons recovered to-date--Hill is leading the way on cleanup of highly complex sites!
- Negotiated unique agreement with sewer district which averted need for high cost of off-base treatment plant and minimized "footprint" off-base--Saving \$80K each year--\$3.8M lifecycle savings!
- Reconfiguration of pumping system eliminated need for expensive submersible pumps and avoided \$20K per year in pump maintenance and replacement costs--Simple things do make a difference!
- Implemented innovative phytoremediation approach to contain contaminated groundwater using natural vegetation at Landfill 011--Eliminated regulatory requirement for \$6.8M groundwater treatment system--We find innovative, natural solutions to cleanup that the community favors!
- Aggressive upgradient groundwater treatment restored uninhibited use of private pond and eliminated need for pond treatment system--annual savings of \$20K--Closing treatment systems down!
- Identified changes to storm sewers and negotiated agreement for direct discharge of Craigdale well field water without treatment--saves \$30K annually--Hill AFB has a culture of innovative thinking!
- Innovative artesian siphon demonstrated containment--\$400K reduction in future capital costs!
- Unique contract and regulatory approach to interim action lead to early construction start for containment system--75% reduction in standard timelines--Early action pays big dividends!
- Practical solutions with regulatory partners eliminated need for incineration of contaminated sediments at Storm Drain 034 saving \$600K--Partnerships working to achieve no-nonsense results!
- Innovative strategy resulted in quick soil vapor extraction (SVE) response to contaminated soils
 - Avoided contamination of 1.2 million gallons of groundwater--Sampling optimization resulted in fewer wells--Cut cost by \$90K, 11% reduction--We are containing and removing contamination!
- Innovative "micro-wells" reduced sampling time by 34% saving \$400K in investigation costs
- Improved strategy developed to mitigate off-base indoor air contamination in Roy neighborhood after visit to private sector site in Colorado--Eliminated unnecessary treatment step saving \$1000 per home and the nuisance of ongoing intrusion into households--Benchmarking pays financial and PR benefits!
- Novel cone penetrometer wire-line technology allows rapid source characterization at only two-thirds of the traditional cost--\$90K saved to date--Pushing the technology envelope pays off!
- Hosted testing of 16 innovative technologies in search for improved treatment approaches that reduce the time to complete cleanup--10 were successful enough to be implemented on a broader scale
- Unique application of SVE to remove free product at Site 454 will save 4 years and \$120K

NOMINATION FOR AWARD (Continued)

RANK/NAME OF NOMINEE (First, Middle Initial, Last)

SPECIFIC ACCOMPLISHMENTS (Use single spaced, bullet format) (Continued)

- Successfully negotiated early shutdown of two venting systems--cut total operational costs by \$58K
- Optimization of Operable Unit 6 pumping system increased pumping efficiency by 350%
 - Eliminated off-base treatment system because of drop in contaminant concentrations!
- Enhanced operational plans developed and implemented to focus on measuring and achieving results
 - Treatment systems are actively managed to ensure they are achieving metrics--Setting high marks!
- Fourteen technical papers published to transfer technology, innovative approaches and new methodologies tested and implemented at Hill AFB--Leading the charge for improvements in cleanup!
- Close integration with base planners allowed cleanup sites to be used for compatible activities such as aged aircraft storage on closed/capped landfills and parking areas--Supporting the Air Force mission!
- Innovative consolidated investigation approach used at UTTR disposal sites with similar characteristics allowed reduced sampling and documentation efforts--estimated savings: \$1.3M!
- Developed local intranet-based contamination mapping system that allows base planners and managers to recognize conflicts between clean up sites and facility projects early in the planning process

PARTICIPATING IN PUBLIC AFFAIRS ACTIVITIES WITH LOCAL COMMUNITIES:

- Executed a comprehensive community involvement program with citizens, local cities, base workers and other stakeholders resulting in a positive partnership to help achieve cleanup solutions!
- 20 updates to seven different city councils--keeping community leaders informed and involved!
- Base Restoration Advisory Board (RAB) performs vital role as community liaison, informing citizens about cleanup issues--Working groups formed to address key concerns--Going beyond the norm!
 - Nine RAB meetings provided Hill AFB critical early input throughout the cleanup process!
 - Avoided long delays experienced earlier--Early involvement avoided rework, created partnerships!
 - Eight RAB meetings provided understanding of cleanup process and complexities of cleanup
 - Five RAB working groups focused on community concerns of risk, property values, cleanup methods, outreach--Provided vehicle for understanding community concerns and addressing them!
- Teamed with RAB and local governments to host 8 "InfoFairs" in affected communities taking cleanup information directly to the people--over 570 attendees--Response to citizen questions and concerns by Air Staff and RAB has increased confidence and trust in the Air Force with local citizens -
- Implemented training program for RAB members with tours and technical presentations to provide tools for making valuable input to cleanup process--Held eight training meetings--Clear communication eliminated fear of unknowns associated with "toxic waste" cleanup sites!
- Over 340,000 pages of administrative record documents put into electronic, searchable format--Vast archive of data available publicly at local university--Tremendous resource--first in DoD!
 - Improved investigation approach at new site--Cut remedy schedule by 75%--Provided answers to the community quickly--Focusing on public concerns and achieving results makes a difference!
- Getting the word out--Trace vapors of trichlorethylene (TCE) found in nearby community basements
 - Restoration branch launched unprecedented information campaign--Explosive PR issue defused!
 - Restoration and PA professional staff went door-to-door to ensure citizens were able to take advantage of air sampling--150 homes visited, 79 sampled, 6 vapor removal systems installed!
- TCE vapors eliminated--Citizens impressed with level of concern--Base image improved!
 - Aggressively worked with local media to get information to the public--viewed as not hiding things
- Health risk booklet developed to assist RAB in understanding and discussing risk with citizens
 - Improved communication of actual site hazards, reduced concerns, minimized fears
- RAB co-chair meets with local citizens to discuss concerns--Individual they view as independent and trustworthy helps them to understand the real risk of contaminated sites and avoids overreaction
- RAB engaged to help secure access to critical off-base property to construct cleanup system
 - Partnership and community connections make a significant difference in achieving results!
- Comprehensive community survey resulted in improved communication with those affected by cleanup--Multifaceted approach of local media, web, direct mail, newsletters, and personal contacts
 - Complemented by seven local mayors on strong initiatives to keep communities informed
- Hosted over 100 visitors to tour cleanup sites--seeing them first hand, most are amazed at AF efforts
- Community contacts database developed to track community interactions and AF commitments
 - Eliminates "lost" commitments due to "lost" paper--allows 100% follow-up with the community!
- Professional dispute resolution facilitator commented that Hill public involvement program was the best she had seen in her professional career--Hill leads the way in community involvement!
- Summary: Hill AFB continues as the DoD leader with its Environmental Restoration Program!