

Gilsenan, Michael

From: Smyth, Virginia
Sent: Thursday, June 27, 2002 4:45 PM
To: 'Steve.Hagerty@fema.gov'; 'Paul.Barry@fema.gov'
Cc: Gilsenan, Michael
Subject: Matrix

Attached is a copy of the matrix prepared for the indoor cleaning project. Please let us know if you have any questions.



WTCFEM31.WPD

EPA & NYC Indoor Air Program Activities & Costs**DRAFT****1. Hotline**

Activities	Description	Prog. Lead	Fund. Lead	Costs	Comments
Establishing Hotline	Acquire contractor services for hotline. Includes setup, management, handling calls, and distribution of materials.	EPA	NYC	\$391,500	Estimate based on 490,000 minutes of call time, and distributing materials to 3,000 callers.
Hotline Promotion	Conducting outreach efforts and developing information regarding the hotline and indoor air program. Includes printing, advertising, graphics, direct mail, and translation services	EPA	EPA	\$50,000	
Creating Hotline Database	Development of database to support hotline and to house analytical data. Compiling indoor air information received by NYCDEP to incorporate into the database. Used in program to manage information received through the hotline and website. Maintain database for data assessments, public info, report preparation	EPA	EPA	\$525,000	

Web-hosting	Establishment of mechanism for residents to contact the hotline through the Internet. Used to share time sensitive information regarding the indoor air program.	EPA	EPA	\$100,000	
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2. Monitoring & Scheduling

Activities	Description	Prog. Lead	Fund Lead	Costs	Comments
Air Monitoring Contracts (4 contracts - 1 each sector)	Scheduling of cleaning and testing by abatement contractor, collecting air samples for both post- cleaning and testing only services, collect wipe samples for metals as directed, shipping of samples for analysis, personal monitoring of abatement workers, evaluation of ventilation systems, and on-site air sampling during remediation activities.	EPA	NYC	\$11,398,000	Costs for personal monitoring

Analyzing Asbestos Samples	Analyzing post-cleaning samples for all units, conducted by contractor services.	EPA	EPA	Estimate based on appmx. 10,500 units being cleaned & tested and 3,000 being tested only and 3000 common spaces being cleaned \$9,075,000	
Validating Asbestos Sample Data	Validating analyses data of post-cleaning samples, conducted by contractor services.	EPA	EPA	\$1,485,000	
Analyzing Metals Samples	Analyzing wipe samples for metals pre- and post-cleaning at 5% of the units (not to exceed 50 units /quadrant for a total of 200 units) conducted by contractor services.	EPA	EPA	\$396,000	
Validating Metals Sample Data	Validating analyses data of pre- and post-cleaning samples by contractor services	EPA	EPA	\$52,800	
Oversight by OSHA	OSHA will provide oversight to ensure worker protection	OSHA	EPA	Estimate based on 5 OSHA employees assigned to the project \$198,450	

Data/Risk Assessment	Evaluation/follow-up with the NY Academy of Medicine (NYAM). EPA data assessment activities.	EPA	EPA	NYAM travel = \$6,000	EPA's costs already represented in staff estimates. Scientific experts will be flown in from outside the region.
Support by ATSDR	ATSDR will provide technical support to the cleaning and sampling effort, primarily by participating in data review and risk assessment activities.	ATSDR	EPA	\$447,000	Funding support for ATSDR in the background study will be reduced commensurate with this funding.

3. Cleaning and Oversight

Activities	Description	Prog. Lead	Fund. Lead	Costs	Comments
Cleaning Contract (Asbestos Abatement Cleaning 4 Contracts - 1 for each sector)	Cleaning by contractor services of minimal dust accumulations under Scope A, cleaning of significant dust accumulations under Scope B, cleaning of common areas, and cleaning of ventilation systems where required.	EPA	NYC	\$49,540,000	Estimate based on 10,500 units to be cleaned, and 3,000 common areas

EPA Oversight of Cleaning and Monitoring Effort (Program Oversight by EPA)	EPA's program oversight.	EPA	EPA	EPA's salary costs = \$3,662,595 EPA's travel costs = \$607,400 TOTAL = \$4,269,995	
EPA Oversight of Cleaning and Monitoring Effort (Equipment & Supplies needed by EPA)	EPA needs computers, docking stations, printers, digital cameras, camcorders, tripods, phones, car rentals, personal protective equipment.	EPA	EPA	\$522,024	Equipment needed to support the unit within EPA that is implementing the indoor air program. PPE is the primary cost factor in this item (\$408,240).
EPA Oversight of Cleaning and Monitoring Effort (Contractor Support to EPA)	Provide field support to EPA in its oversight of the monitoring and cleaning contractors. This support will assist EPA in being more responsive to concerns and inquiries raised by the public during the implementation of the program.	EPA	EPA	\$497,640	
Cleaning of Unoccupied Buildings	The exterior and interior cleaning of unoccupied buildings.	NYC	NYC	\$5,000,000	Estimate is based on the cleaning of 5 buildings at a cost of \$1,000,000 each.

Communication of Technical Environmental Issues	To provide health communication and technical assistance for lower Manhattan residents and workers related to post 9/11/01 events.	NYC DOH	NYC DOH	\$400,000	
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