

Gilsenan, Michael

From: Smyth, Virginia
Sent: Thursday, June 20, 2002 12:11 PM
To: 'LaPosta.Dore@epa.gov'
Cc: Gilsenan, Michael; Radhakrishnan, Krish
Subject: FEMA Matrix

Attached please find the matrix which has been updated to incorporate your comments, and revised estimates which Krish developed based on actual call volume to date.

Estimates for Air monitoring contractors and cleaning contractors have been reduced to reflect the cleaning of \$10,500 units and 3,000 common areas. EPA's costs estimated to support this effort may need to be reevaluated as well. We would like to finalize these costs and submit to FEMA by close of business today.



WTCFEM2.WPD

EPA & NYC Indoor Air Program Activities & Costs

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	\$75,000	
Creating Hotline Database/	Development of database to support hotline and to house analytical data. Used in program to manage information received through the hotline and website. Maintain database for data assessments, public info, report preparation	EPA	EPA	\$475,000	EPA NEEDS TO ADD \$75,000
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	

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. 20,500 units being cleaned & tested and tested only \$12,000,000	EPA NEEDS TO ADD ANALYTICAL COSTS FOR COMMON SPACES BASED ON NYC SAMPLE # ESTIMATE (ABOVE)

Validating Asbestos Sample Data	Validating analyses data of post-cleaning samples, conducted by contractor services.	EPA	EPA	\$2,404,040	EPA NEEDS TO ADD. BASED ON NYC SAMPLE # ESTIMATE (ABOVE), NEED ANALYTICAL COSTS FOR COMMON SPACES
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	EPA	EPA	Estimate based on 5 OSHA employees assigned to the project \$200,000	
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.

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
Oversight by EPA of Cleaning and Monitoring Effort	EPA's program oversight.	EPA	EPA	EPA's salary costs = \$3,662,607 EPA's travel costs = \$628,400 TOTAL = \$4,291,007	

EPA Oversight of Cleaning and Monitoring Effort (Equipment & Supplies)	EPA needs computers, docking stations, printers, digital cameras, camcorders, tripods, phones, car rentals, personal protective equipment.	EPA	EPA	laptops = \$7,000 desktops = \$3,000 docks = \$2,370 printers = \$1,000 digital cameras = \$5,730 camcorders = \$4,584 tripods = \$600 phones = \$11,700 car rentals = \$12,800 PPE = \$408,240 TOTAL = \$457,000	Equipment needed to support the unit within EPA that is implementing the indoor air program. PPE is the primary cost factor in this item.
Contractor Support for EPA's Oversight	Provide field support to EPA in its oversight of the monitoring and cleaning contractors. This support will enable EPA to be responsive to concerns and inquiries raised by the public during the implementation of the program.	EPA	EPA	\$400,000	
Cleaning of Unoccupied Buildings	The exterior and interior cleaning of unoccupied buildings.	NYC	NYC	\$10,000,000	Estimate is based on the cleaning of 10 buildings at a cost of \$1,000,000 each.