

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. <i>combine Community Relations</i>	EPA	NYC	391,000 \$560,500	Estimate based on 490,000 minutes of call time, and distributing materials to 3,000 callers.
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.	EPA	EPA	\$475,000	EPA NEEDS TO ADD \$75,000
Building Status Database	Dewitt Database. Development of database that houses environmental information for all buildings within lower Manhattan	NYC	NYC	\$500,000	EPA will link its database to NYC's. Application pending with FEMA.
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	

link

Community Relations	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	NYC's Lower Manhattan Communications Plan does not provide for these activities. (See next item.)
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Link to EPA website

Disseminating Information Regarding Lower Manhattan.	Lower Manhattan Communications Plan. Development of strategy for providing information on various issues such as air quality, environment, transportation, business incentives, security, memorials, events on an ongoing basis through various means.	NYC	NYC	\$500,000	EPA will work with NYC to coordinate distribution of materials on air quality and the environment, but this effort does not duplicate EPA's community relations proposal.
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Dim Director of Program

*Teach Hill file
Advisement*

see letter - bubble needs funding for representative risk communication & outreach

2. Monitoring & Scheduling

Activities	Description	Prog. Lead	Fund. Lead	Costs	Comments
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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	\$10,116,400	Costs for personal monitoring, evaluation of ventilation systems, and monitoring on site at every building must still be added.
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

← increased price ??

HVACs
ventilation
personal
monitoring

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	FUNDS WILL NEED TO BE PROVIDED TO OSHA
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.
Database	Maintain database for data assessments, public info, report preparation	EPA	EPA		EPA NEEDS TO ADD.
Reports	Compile, review, evaluate info collected and prepare summaries	EPA	EPA	No additional costs.	EPA's costs already represented in staff estimates.

3. Cleaning and Oversight

Activities	Description	Lead	Costs (\$)	Comments
Asbestos Abatement Cleaning	Cleaning by contractor services of minimal dust accumulations. (Scope A)	NYC EPA	Estimate based on 15,000 units to be cleaned. 15,500? studio=2,250,000 1 BR = 10,500,000 2 BR = 30,000,000 3 BR = 13,500,000 4 BR = 3,750,000 TOTAL = 60,000,000	DO WE NEED TO INCLUDE ANY ADDITIONAL FUNDS FOR COMMON AREAS?
Asbestos Abatement Cleaning	Cleaning by contractor services of significant dust accumulations. (Scope B)	NYC EPA	Estimate based on 5,000 units to be cleaned. studio = 115,000 1 BR = 530,000 2 BR = 1,500,000 3 BR = 570,000 4 BR = 175,000 TOTAL = 2,990,000	

NYC

NYC

NYC

Supervising of Cleaning by Contractor Conducting the Cleaning <i>IN on</i>	On-site supervision conducted by contractor	NYC	Estimate based on 15,500 units. studio = 180,000 1 BR = 960,000 2 BR = 2,400,000 3 BR = 960,000 4 BR = 240,000 TOTAL = 4,740,000	THIS ASSUMES CONTRACTOR SPENDING 3-4 HOURS PER JOB, DO WE WANT TO INCREASE THIS?
Supervising of Cleaning by Contractor Conducting the Cleaning <i>Some of this</i> <i>Comm Area</i>				
Oversight of Cleaning on a Building Basis by Monitoring Contractor <i>ADD</i> <i>Air Monitor ?</i>	Monitoring contractor on-site at every building during cleaning.	NYC		NEED ADDITION TO ESTIMATE FOR MONITORING CONTRACTOR ESTIMATE
Oversight by EPA of Cleaning and Monitoring Effort	EPA's program oversight.	EPA	EPA's salary costs = 2,953,607 EPA's travel costs = 314,200 TOTAL = 3,267,807	<i>EPA</i>

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	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. NEED TO DECIDE IF WE WANT TO SAY MORE HERE	EPA
Removal Support Team Contractor	Contractor support to assist EPA in its program oversight.	EPA	Contractor's salary = 1,596,672 Travel per diem + lodging = 512,064 TOTAL = 2,108,736		EPA
US Coast Guard	USCG support to assist EPA in its program oversight.	EPA	USCG's salary = 2,419,200 Travel per diem + lodging = 1,280,160 TOTAL = 3,699,360		EPA
Evaluating Circulating Ventilation Systems Air	Evaluation of circulating ventilation systems by monitoring contractor to determine if they have been impacted by WTC debris.	NYC EPA		NEED ESTIMATE OF # OF SYSTEMS AND COST PER SYSTEM	NYC

HVAC
Systems
↓

Partial
cleaning contract

- ① evaluation by Air Monitor
- ② clean up HVAC controls

7

Call
HPD