

EPA & NYC Indoor Air Program Activities & Costs

(6/10/02)

1. Hotline

Activities	Description	Lead	Costs (\$)	Comments
Establishing Hotline	Acquire contractor services for hotline. Includes setup, management, handling calls, and distribution of materials.	NYC	560,500	Estimate based on 490,000 minutes of call time, and distributing materials to 3,000 callers.
Creating Database	Development of database to support hotline and to house analytical data. Used in program to manage information received through the hotline and website. <i>Do it</i>	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	100,000	
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	75,000	NYC's Lower Manhattan Communications Plan does not provide for these activities. (See next item.)

① EPA to get back to us Tues. with new matrix with changes discussed today

Disseminating Information Regarding Lower Manhattan.	Lower Manhattan Communications Plan. Strategy for providing information on various issues such as air quality, environment, transportation, businesses incentives, security, memorials, events on an ongoing basis through various means.	NYC EPA	500,000	NYC	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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2. Monitoring & Scheduling

Activities	Description	Lead	Costs (\$)		Comments
(Scheduling/Coordinating) AIR Monitoring	Scheduling of cleaning and testing by contractor services.	NYC EPA	Clean & Test = 1,350,000 Test only = 300,000 TOTAL = 1,650,000	NYC	Estimate based on these # of units: Scope A = 15,000 Scope B = 500 Test only = 5,000

(Asbestos Air Sampling) <i>air monitor</i>	Collecting post-cleaning air samples from 15,500 units (cleaning & testing) and collecting samples from 5,000 units (testing only), by contractor services.	NYC EPA	15,500 units = 6,000,000* 5,000 units = 2,000,000 (*may include costs of analysis) TOTAL = 8,000,000 <i>15,000</i>	NEED TO CHECK IF COSTS INCLUDE ANALYSES <i>NO</i>	<i>NYC</i>
Analyzing Asbestos Samples	Analyzing post-cleaning samples for all units, conducted by contractor services.	EPA	Estimate based on 21,855 units. 12,020,200	NEEDS RECONCILIATION Estimate based on higher number of units than cleaning estimate being used by NYC.	<i>EPA</i>
Validating Asbestos Sample Data	Validating analyses data of post-cleaning samples, conducted by contractor services.	EPA	2,404,040	<i>By EPA</i>	<i>EPA</i>
Metals Dust Sampling <i>??</i> <i>HUD Method</i>	Collecting 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.	<u>NYC</u> EPA	Estimated based on 20/wipe, 6 wipes/unit + 10% QA. 26,400	NEED TO CONFIRM ESTIMATE FOR COLLECTION OF WIPE SAMPLES	NYC <i>Specs from EPA</i>
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	396,000		<i>EPA specs.</i>

Validating Metals Sample Data	Validating analyses data of pre- and post-cleaning samples by contractor services	EPA	52,800	52,800	EPA
(Shipping of Samples) <i>Air monitor</i>	Shipping of samples to lab. Includes samples for cleaning & testing units and testing only units, conducted by contractor services.	NYC EPA	15,500 units = 30,000 5,000 units = 10,000 TOTAL = 40,000	NEED TO INCREASE ESTIMATE FOR METALS WORK ?	NYC
Supervising Sampling <i>Air monitor</i>	Supervising air sampling, conducted by contractor services.	NYC EPA	Estimate based on 1 hour/ unit. 400,000		NYC
Personal Monitoring of Workers <i>Cleaning contractor Air monitor OSHA Requirement</i>	Monitoring of workers for 4-6 weeks and then randomly throughout effort. Monitoring will occur according to OSHA standards, to be performed during cleaning by cleaning contractors.	NYC		NEED ESTIMATE OF # OF SAMPLES AND COSTS Sample analyses will also be handled by cleaning contractors.	<i>In delete</i>
Data/Risk Assessment	Evaluation/follow-up with the NY Academy of Medicine (NYAM). EPA data assessment activities.	EPA	NYAM travel = 6,000	EPA's costs already represented in staff estimates.	EPA
Database	Maintain database for data assessments, public info, report preparation	EPA	No additional costs beyond creating the hotline database.		
Reports	Compile, review, evaluate info collected and prepare summaries	EPA	No additional costs.	EPA's costs already represented in staff estimates.	

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info
common areas

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	\$67,730,000	Estimate based on 15,000 units to be cleaned. Costs for cleaning common areas and ventilation systems need to be added.
Oversight by EPA of Cleaning and Monitoring Effort	EPA's program oversight.	EPA	EPA	EPA's salary costs = \$2,953,607 EPA's travel costs = \$314,200 TOTAL = \$3,267,807	

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.
Removal Support Team Contractor	Contractor support to assist EPA in its program oversight.	EPA	EPA	Contractor's salary = \$1,596,672 Travel per diem + lodging = \$512,064 TOTAL = \$2,108,736	<u>Contingency</u> for additional oversight if needed.

Asm A will not fund for contingency

US Coast Guard	USCG support to assist EPA in its program oversight.	EPA	EPA	USCG's salary = \$2,419,200 Travel per diem + lodging = \$1,280,160 TOTAL = \$3,699,360	
NYCDOH???? Evaluating Units and Buildings for Mold Contamination	Evaluating units and buildings for mold contamination by contractor services obtained by monitoring contractor.	NYC ?	NYC		NYC NEEDS TO ADD. NEED ESTIMATE OF # OF SYSTEMS AND COST PER SYSTEM. NYC NEEDS TO DETERMINE IF NYCDOH WILL BE CONDUCTING THIS.
Cleaning Contract (Cleaning Mold Contamination)		NYC ?	NYC		
Cleaning of Unoccupied Buildings		NYC	NYC	\$6-10,000,000/bldg	NYC NEEDS TO ADD. NEED ESTIMATE OF # OF BUILDINGS

out

Same as
above

Cleaning of Circulating Ventilation Systems. <i>Don't</i>	Cleaning of systems identified by monitoring contractor as requiring cleaning. Will be performed by contractor obtained by monitoring contractor services.	NYC		NEED ESTIMATE OF # OF SYSTEMS AND COST PER SYSTEM
Evaluating Units and Buildings for Mold Contamination	Evaluating units and buildings for mold contamination by contractor services obtained by monitoring contractor.	NYC DOH? ?		NEED ESTIMATE OF # OF SYSTEMS AND COST PER SYSTEM

DOH?

unoccupied/ weekend
Bids.

\$2000
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Best
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need

~~Cleanup for mold~~

Ken
if not ⇒ can
cleanup contractor
perform in 2

call Jim re. DOH proposal EPA = thinks that we do not need it