

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

to be modified

do by modified

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	

*could be modified
if it makes
EPA comfortable
we will leave
as is.*

Indoor Air Residential Assistance Program

Estimated Number	Trigger	Scope of Work
10,000 apartment clean-ups	Public request for cleaning (i.e. call to hotline)	Scope of Work A without AFD
5,000 apartment clean-ups	Public request for cleaning (i.e. call to hotline)	Scope of Work A with AFD
500 apartment clean-ups	Public request for cleaning (i.e. call to hotline) and visible presence of debris/significant dust accumulation and with approval by USEPA	Scope of Work B
4,500 Common Spaces for each floor (estimated area 1,200 square feet per floor)	Public request for cleaning (i.e. call to hotline) and assessment by PPA Project Monitor ^(i.e. USEPA/PPA) and with approval by USEPA	Floor Cleaning
500 Common Spaces for each building floor	Public request for cleaning (i.e. call to hotline) and visible presence of debris/significant dust accumulation and with approval by USEPA	Scope of Work B
5,000 HVAC Inspections for each building floor and intake/supply location	Public request for assessment/cleaning (i.e. call to hotline)	Checklist
1,000 HVAC Cleaning for each floor and intake/supply location (i.e. mechanical space)	Project Monitor Assessment with approval by USEPA	As recommended and approved by USEPA
5,000 Air sampling only Apartments	Public request for air sampling (i.e. call to hotline)	Consultant Specifications for Air Sampling

AFD: Air Filtration Device (negative pressure ventilation unit)

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	