

ET ENVIRONMENTAL PLAN – OF – ACTION

**Initial Dermal and Inhalation Hazard Exposure Assessment:
Characterization of the Chemical and Physical Nature of Surface Residues and
Measurement of Airborne Hazards Resulting from the Building Fire and Collapse at
the World Trade Center.**

The following is an abbreviated outline of a plan designed to assess potential dermal and inhalation exposure to hazards present in the air and on surfaces at the damaged World Trade Center (WTC). The goal of this plan is to provide Turner Construction Company (TCCO) site condition information related to issues of health and safety as TCCO and their contractors enter and work in and around damaged WTC structures. The technical approach of this plan is to characterize the chemical and physical nature of settled residues on building surfaces in a few representative areas and to simultaneously measure a predetermined target profile of airborne hazards. The objective of characterizing the surface residue is to confirm the expected conditions and to identify unanticipated conditions if they are present. The objective of measuring airborne hazards is to provide an immediate indication of relative health risk for persons entering and working in the areas of damaged WTC structures. The following describes our Plan of Action;

(1) Mobilization to the Project Site and Sample Collection

ET Environmental will mobilize a sufficient number of professionals necessary to collect airborne and settled residue samples. Based on recent discussions, ET will be prepared to collect approximately five (5) to ten (10) residue samples, and approximately twenty (20) area samples. These samples will be analyzed for constituents described in item two (2) below, at a cost as described in item (4) below. The project, as we understand it, will consist of mobilizing one (1) or two (2) senior industrial hygienists, for the purpose of collecting samples and evaluating site conditions. Beginning on Monday, September 24th – 2001, it may be necessary to utilize additional labor to assist in the sample collection and define baseline data. Any additional labor that will be required to complete this task, will consist of junior level industrial hygienists and/or field technicians. **ALL SCHEDULED MAN POWER LOADING FOR THE PROJECT WILL BE COORDINATED THROUGH TURNER.**

Labor rates to be used for this project are as follows;

POSITION	RATE/Hr	RESPONSIBILITY
Principal	\$165	Serves as the "Project Administrator", or principal of ET (necessary for larger remediation projects).
Senior Industrial Hygienist (CIH)	\$150	Serves as the "Project Manager" and will be the project representative in direct contact with Turner safety personnel. Provides design, consultation on occupational safety and health issues, and manage the field work through Turner. Coordinate all personnel activities and man power loading as required by Turner.
Industrial Hygienist (junior level)	\$100	Collect multiple samples of air and residue, utilize direct reading instruments, conduct fit testing (if necessary). All work will be coordinated under the direction if the senior industrial hygienist.
Field Technician	\$80	Coordinate the use of water, power, and any supplies necessary to perform the work. Deliver samples to laboratory for analysis. All work will be coordinated under the direction if the senior industrial hygienist.
Accountant/Administration	\$75	Process pay applications & invoices from subs
Word Processing	\$40	Prepared reports & office administration

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