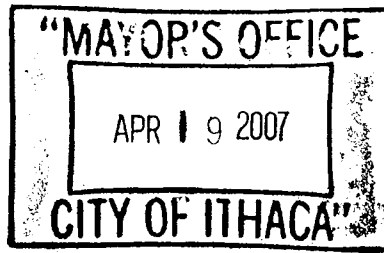




April 17, 2007

Carolyn K. Peterson  
Mayor  
108 E. Green Street  
Ithaca, NY 14850



Derek E. Chase  
Director  
Environmental Affairs

Emerson  
8000 West Florissant Avenue  
P.O. Box 4100  
St. Louis, MO 63136-8506

T (314) 553 2767  
F (314) 553 1365  
derek.chase@emrson.com

Re: Indoor Air Sampling (121-35 East Clinton Street)

Dear Ms. Peterson:

As part of an ongoing environmental study of the Emerson Power Transmission (EPT) site located at 620 South Aurora Street in Ithaca, New York, air samples were collected from inside the City of Ithaca Police Department storage building located at 121-35 East Clinton Street in an effort to study the potential for vapors to migrate in the subsurface and enter the structure. This migration process is referred to as "soil vapor intrusion" (see enclosure titled Soil Vapor Intrusion: Frequently Asked Questions for more information). The samples were collected by personnel from a professional environmental consulting firm. (WSP Environmental Strategies LLC) retained by Emerson Electric Co.

Concurrent air samples were collected at two locations within the storage building (Sheds 2 and 4) and beneath the concrete slab of the building. An ambient air sample was also collected at an outside location in the vicinity. The samples were analyzed by Centek Laboratories LLC, an independent analytical laboratory located in Syracuse, New York, for the list of volatile organic compounds (VOCs) specified in U.S. Environmental Protection Agency (EPA) Method TO-15. This list includes VOCs of concern in groundwater at the EPT site as well as other VOCs not related to this study. For your convenience, a table is enclosed listing the site-related VOCs, the analytical results for the air samples collected at the property, and the results for the outdoor ambient air sample collected near the property in January 2007. A copy of the validated laboratory test results, and a description that will help you better understand how to interpret the laboratory report, are enclosed. Emerson has provided a copy of the sampling results to the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) for their review.

The sampling results for January 2007 show that up to four potentially site-related VOCs were detected in the sub-slab gas samples collected from beneath the shed and in the indoor air samples collected from within the shed. Tetrachloroethylene was detected in the sub-slab gas sample in Shed 4 at 3.24 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Methylene chloride was detected in the sub-slab gas sample and the indoor air sample in Shed 2 at concentrations of  $1.31 \mu\text{g}/\text{m}^3$  and  $2.05 \mu\text{g}/\text{m}^3$ , respectively. Methylene chloride was also detected in the sub-slab gas sample and the indoor air sample in Shed 4 at concentrations of  $0.847 \mu\text{g}/\text{m}^3$  and  $4.52 \mu\text{g}/\text{m}^3$ , respectively. The indoor air results are within the typical background levels for this compound. Trichloroethene (TCE) was detected in the sub-slab gas sample at  $0.492 \mu\text{g}/\text{m}^3$  and in the indoor air at  $0.218 \mu\text{g}/\text{m}^3$  (estimated) in Shed 2. TCE was detected in the sub-slab gas sample in Shed 4

at 24.6  $\mu\text{g}/\text{m}^3$  and in the indoor air sample at 0.382  $\mu\text{g}/\text{m}^3$ . 1,1,1-Trichloroethane was detected at 1.11  $\mu\text{g}/\text{m}^3$  in the sub-slab gas sample in Shed 4 only. An evaluation of the sampling results from January 2007 using the NYSDOH Soil Vapor/Indoor Air Matrix indicates that re-sampling is recommended. Accordingly Emerson will obtain another round of samples at your property during the next heating season.

Certain non-site related VOCs were detected in the indoor air samples which appear to be originating from within the structure. There are numerous products and activities that can emit or cause emissions of these compounds into the indoor air. These results were also reviewed by the NYSDOH and were generally found to be within typical background concentrations and of no health concern. If you have any questions about your indoor air results, we recommend that you contact the State health department.

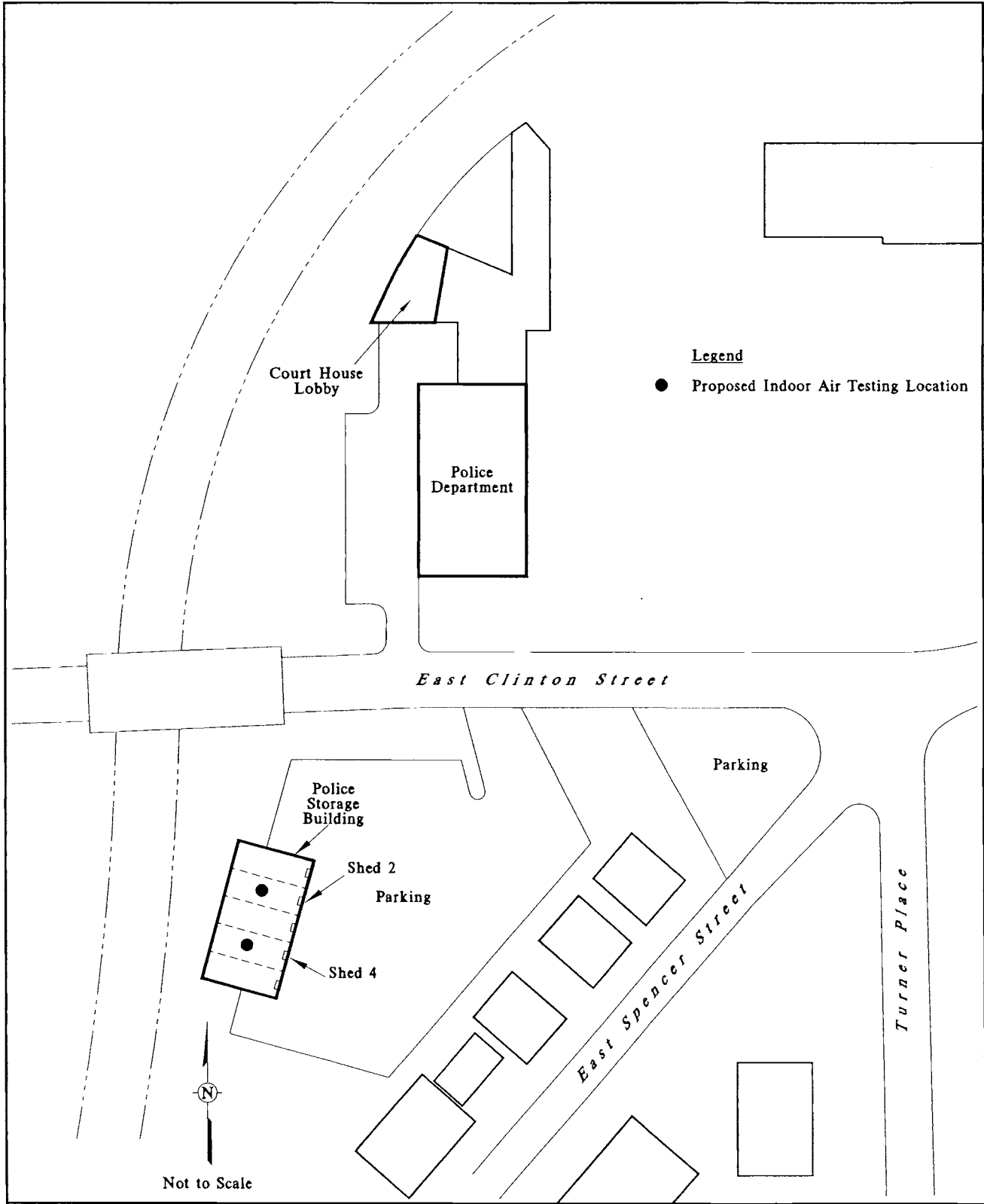
We appreciate your cooperation in this project. If you have any questions about the enclosed information, please contact me at 1-866-265-0634. For health related questions, you may contact Ms. Henri Hamel, NYSDOH at (315) 477-8154. For questions related to the status of environmental investigations, you may contact Mr. Gregg Townsend, NYSDEC at (315) 426-7551.

Sincerely yours,



Derek E. Chase  
Director, Environmental Affairs

cc/encl: Henri Hamel, NYSDOH  
Gregg Townsend., NYSDEC  
Steven Maybee, Tompkins County Health Department



**Table 1**  
**Air Sample Results**  
**Property ID 105**  
**Phase V Sampling Activities**

The eight compounds listed in this table have been identified by the New York State Department of Environmental Conservation as potential constituents of concern for the EPT Site.

Phase V					
Indoor				Outdoor (c)	
Property ID	105				
Sample Location	Shed 2		Shed 4		
Sample Type (b)	SS	IAB (d)	SS	IAB (d)	AA
Sample Date	Jan 24-25, 2007				
<b>VOCs by EPA Method</b>					
<b>TO-15 (ug/m3)</b>					
1,1,1-Trichloroethane	0.832 U (a)	0.832 U	1.11	0.832 U	0.832 U
1,2-Dichloroethane	0.617 U	0.617 U	0.617 U	0.617 U	0.617 U
cis-1,2-Dichloroethene	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U
Methylene chloride	1.31	2.05	0.847	4.52	0.53 U
Tetrachloroethylene	1.03 U	1.03 UC	3.24	1.03 UC	1.03 UC
trans-1,2-Dichloroethene	0.604 U	0.604 U	0.604 U	0.604 U	0.604 U
Trichloroethene	0.492	0.218 J (a)	24.6	0.382	0.218 U
Vinyl chloride	0.39 UC (a)	0.39 U	0.39 UC	0.39 U	0.39 U

a/ U = not detected at the reporting limit;

J = analyte was detected at or below quantitation limit;

C = analyte exceeds calibration criteria. Quantitation estimated.

b/ SS = subslab soil gas sample;

IAB = indoor air sample collected from first floor of building with a slab-on-grade construction;

AA = ambient (outdoor) air sample.

c/ Background concentrations represent ambient (outdoor) air concentrations for all air samples collected on January 24-25, 2007. Property ID listed for ambient (outdoor) air sample was where ambient air sampling equipment was located.

d/ Building is slab-on-grade and does not have a subgrade basement. Therefore, sample IAB represents first floor.