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September 30, 2009

Mr. Larry A. Rosenmann
New York State Department of Environmental Conservation
Bureau of Hazardous Waste & Radiation Management
Division of Solid & Hazardous Materials
625 Broadway
Albany, New York 12233-7528

Re: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index CO 7-20051118-4
Response to Comments on SVI Work Plan, September 2009 (Rev. 3)

Dear Mr. Rosenmann:

EnSafe Inc., on behalf of United Technologies Corporation (UTC), is submitting one hard copy of the revised *Soil Vapor Intrusion Work Plan* that incorporates comments made in your August 31 letter. The work plan with the following revisions has been emailed to you in PDF format.

Comment 1:

Section 1.1, page 1 — UTC indicates that indoor air samples collected from the facility in 2002 are similar to background levels found throughout the State by NYSDOH and "below recent residential criteria cited by the NYSDOH." There are no recent residential criteria that have been cited by NYSDOH. There are, however air guidelines for select compounds that have been established by NYSDOH. Please revise the text or delete this statement from the work plan.

Response 1: This statement has been deleted from the work plan.

Comment 2:

Section 4.0, pages (13-17) —

- *Throughout Section 4.0, UTC indicates that the NYSDOH Decision Matrix 1 requires the actions that should be taken at the on-site facilities. The NYSDOH Decision Matrices are used to provide guidance for decisions on actions, if any, which may be necessary to address current and potential exposures related to soil vapor intrusion. They are not requirements. All references to Matrix requirements should be removed from the Work Plan.*

- *For the record, based on the monitoring results, the Matrix guidance for Building TR-4 (IAS-4/SSAS-4) would be continued monitoring. It would not be no further action as stated on page 16. The Agencies will make a determination if this is monitoring is needed after the workplan actions have been completed and the results evaluated fully.*

Response 2:

- References to Matrix "requirements" have been changed to "guidance recommendations" in the revised work plan.

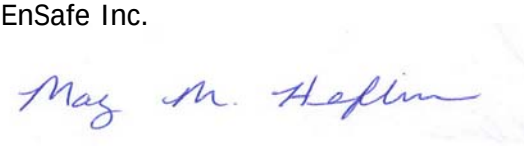
- The Matrix guidance for the first quarter IAS and SSAS results for TR-4 (IAS-4/SSAS-4) would be No Further Action. However, subsequent quarterly monitoring indicates that some continued monitoring will be needed. The text in the work plan has been revised.

Field activities related to the soil vapor intrusion issues in this plan are scheduled to begin in January 2010.

If you have any questions, call me at (615) 255-9300.

Sincerely,

EnSafe Inc.



By: May Heflin, PE

Encl. Soil Vapor Intrusion Work Plan (rev. 3)

cc: Mr. Tim DiGulio — NYSDEC, Region 7
Mr. James Gruppe — NYSDEC, Bureau of HW & Radiation Management
Mr. Samuel Ezekwo — USEPA, Region 2
Mr. Mark Sergott — NYSDOH
Ms. Mary Jane Peachey — NYSDEC, Regional Engineer
Mr. William Penn — UTC
Mr. Nelson Wong — Carrier

CORRECTIVE MEASURES STUDY WORK PLAN
SOIL VAPOR INTRUSION
(AMENDED PER NYSDEC COMMENTS DATED 2/24/09 AND 8/31/09)

REVISION NO.: 3

UNITED TECHNOLOGIES/CARRIER
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

EnSafe Project Number
0888806464

Prepared for:

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September 2009

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INTRODUCTION

Carrier Corporation, a wholly-owned subsidiary of United Technologies Corporation (UTC) has prepared this abbreviated Corrective Measures Study (CMS) in response to the requests outlined in the New York State Department of Environmental Conservation's (NYSDEC) letter dated May 23, 2008. In this letter, NYSDEC raised several environmental concerns related to the investigation(s) and subsequent findings related to Corrective Action Order — Index CO 7-20051118-4 (order) dated February 13, 2006. The three primary environmental concerns deal with:

- Soil vapor intrusion to buildings on the Carrier campus
- Adequacy of Carrier's groundwater monitoring program at Building TR-3 and in deep groundwater
- Polychlorinated biphenyl (PCB) contamination in sediments of Sanders Creek

On July 2, 2008, UTC and Carrier personnel met with NYSDEC representatives to discuss the requests made in the referenced letter. Meeting minutes were submitted to NYSDEC by Mr. William Penn on July 14, 2008, via email. A summary of the minutes is provided below:

Soil Vapor Intrusion

- The vapor migration pathway appears to be related to the storm water lines that emanate from the Solid Waste Management Units 1 through 4 source area. In lieu of continued indoor air and sub-slab vapor investigations, Carrier proposes to perform mitigation at some of the locations.
- In addition Carrier will evaluate information on historical manufacturing operations that used chlorinated solvents and propose additional soil vapor, indoor air sampling if warranted.

The work plan presented below discusses Carrier's approach to addressing these items.

Groundwater Monitoring

The remedial approach for site-wide groundwater involves the containment of waters at the site boundary. Shallow groundwater flow is toward the storm water system and is being collected by the storm water system and the bedding material collection system. Deep groundwater, except for one event, has been demonstrated to flow to the north-northwest. Prior Hydro-punch sampling in the deep horizon did not detect contaminants to the east of the current boundary deep wells.

- Carrier will abandon MW-13D and install a replacement well, install a new shallow well at TR-3, and perform annual groundwater monitoring.

- Carrier will submit an abbreviated CMS for TR-3 area groundwater.

Carrier will submit a Groundwater Monitoring Work Plan on August 25, 2008, and a focused CMS for TR-3 on September 22, 2008 to NYSDEC.

Sanders Creek

PCB detections in the creek appear to be associated with the releases through the facility's storm water system. A rigorous monitoring program, being performed in compliance with the site's State Pollutant Discharge Elimination System permit, has detected PCBs in the storm water. Based on the data to date, it is expected that a treatment system will be installed sometime in 2010 to address PCBs in storm water above the permit requirements.

- A future remedial action in Sanders Creek will address PCBs in sediments.
- Additional sampling may be needed to support the remedial measure.

Carrier will submit to NYSDEC a focused CMS for Sanders Creek on September 5, 2008.

1.0 SOIL VAPOR INTRUSION

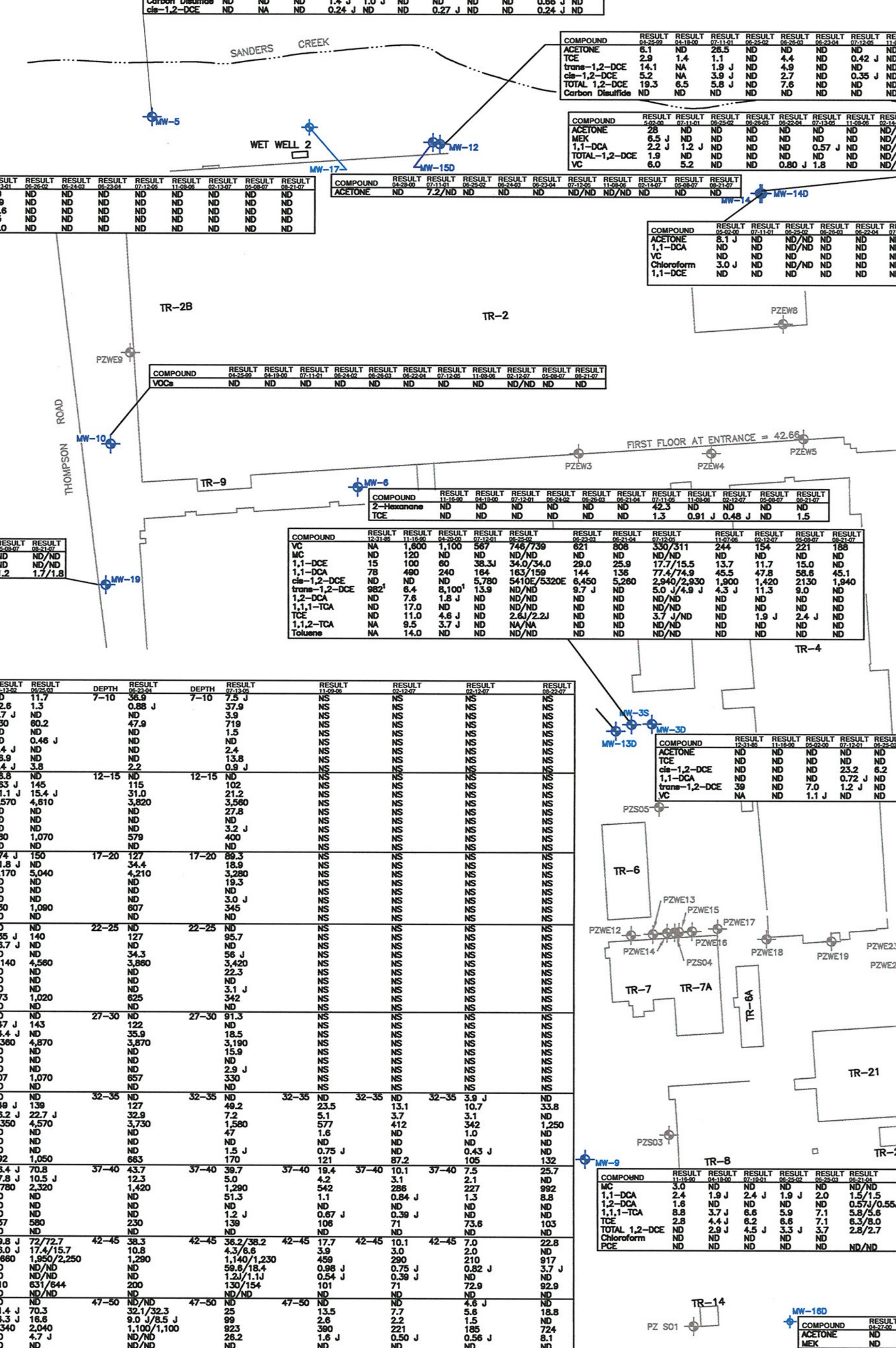
1.1 Background

Carrier conducted several subsurface investigations at the facility in the late 1980s and 1990s. The conclusion of these investigations was that volatile organic compounds (VOCs) are present in groundwater at the central facility area and are attributed to releases from the former tanks associated with Solid Waste Management Units (SWMUs) 1 through 4. These VOCs were detected in shallow monitoring wells (approximately 15 feet deep) in the area of SWMUs 1 through 4 **(Figure 1 - TCE Groundwater Concentrations, August 2007).**

Indoor air sampling on June 25, 2002, found low levels of VOCs commonly present in site groundwater. Trichloroethene (TCE) was found at 1.8 micrograms per cubic meter (µg/m^3) in the indoor air sample from the Building TR-18S and 1 µg/m^3 in building TR-18.

As required by the February 2006 order, Carrier implemented a quarterly soil vapor intrusion monitoring program beginning December 2006 through December 2007, which addressed indoor air and sub-slab vapors in seven buildings surrounding SWMUs 1 through 4, outdoor air in the vicinity of SWMUs 1 through 4, and soil vapor at the property boundary along Kinne Street. Quarterly reports summarizing the results of the monitoring program were submitted to New York State Department of Environmental Conservation (NYSDEC), with the last report submitted in February 2008 (see Section 9.0 References). **Figure 2 — Quarterly SVI Sampling Locations** presents the sampling locations covered during this monitoring period. **Table 1** summarizes the data obtained at these sampling locations

.



COMPOUND	RESULT 11-16-90	RESULT 05-02-00	RESULT 07-11-01	RESULT 06-24-02	RESULT 06-25-03	RESULT 06-23-04	RESULT 07-12-05	RESULT 11-08-06	RESULT 02-13-07	RESULT 05-08-07	RESULT 08-21-07
ACETONE	ND	ND	ND	117	ND	ND	12.9	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	1.4 J	1.0 J	ND	ND	ND	ND	0.66 J	ND
cis-1,2-DCE	ND	NA	ND	0.24 J	ND	ND	0.27 J	ND	ND	0.24 J	ND

COMPOUND	RESULT 04-25-99	RESULT 04-18-00	RESULT 07-11-01	RESULT 06-25-02	RESULT 06-26-03	RESULT 06-23-04	RESULT 07-12-05	RE…
ACETONE	6.1	ND	26.5	ND	ND	ND	ND	ND
TCE	2.9	1.4	1.1	ND	4.4	ND	0.42 J	ND
trans-1,2-DCE	14.1	NA	1.9 J	ND	4.9	ND	ND	ND
cis-1,2-DCE	5.2	NA	3.9 J	ND	2.7	ND	0.35 J	ND
TOTAL 1,2-DCE	19.3	6.5	5.8 J	ND	7.6	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND

COMPOUND	RESULT 5-02-00	RESULT 07-11-01	RESULT 06-25-02	RESULT 06-26-03	RESULT 06-22-04	RESULT 07-13-05	RESULT 11-08-06	RESULT 02-14-…
ACETONE	28	ND	ND	ND	ND	ND	ND	ND/
MEK	6.5 J	ND	ND	ND	ND	ND	ND	ND/
1,1-DCA	2.2 J	1.2 J	ND	ND	ND	0.57 J	ND	ND/
TOTAL-1,2-DCE	1.9	ND	ND	ND	ND	ND	ND	ND/
VC	6.0	5.2	ND	ND	0.80 J	1.8	ND	ND/

COMPOUND	RESULT 07-13-01	RESULT 06-26-02	RESULT 06-24-03	RESULT 06-23-04	RESULT 07-12-05	RESULT 11-08-06	RESULT 02-13-07	RESULT 05-08-07	RESULT 08-21-07
ACETONE	6.0	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-DCE	249	ND	ND	ND	ND	ND	ND	ND	ND
TCE	42.6	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-DCE	2.5	ND	ND	ND	ND	ND	ND	ND	ND
VC	11.0	ND	ND	ND	ND	ND	ND	ND	ND

COMPOUND	RESULT 04-28-00	RESULT 07-11-01	RESULT 06-25-02	RESULT 06-24-03	RESULT 06-23-04	RESULT 07-12-05	RESULT 11-08-06	RESULT 02-14-07	RESULT 05-08-07	RESULT 08-21-07
ACETONE	ND	7.2/ND	ND	ND	ND	ND/ND	ND/ND	ND	ND	ND

COMPOUND	RESULT 05-02-00	RESULT 07-11-01	RESULT 06-25-02	RESULT 06-26-03	RESULT 06-22-04	RE…
ACETONE	8.1 J	ND	ND/ND	ND	ND	N…
1,1-DCA	ND	ND	ND/ND	ND	ND	N…
VC	ND	ND	ND	ND	ND	N…
Chloroform	3.0 J	ND	ND/ND	ND	ND	N…
1,1-DCE	ND	ND	ND	ND	ND	N…

COMPOUND	RESULT 04-25-99	RESULT 04-19-00	RESULT 07-11-01	RESULT 06-24-02	RESULT 06-26-03	RESULT 06-22-04	RESULT 07-12-05	RESULT 11-08-06	RESULT 02-12-07	RESULT 05-08-07	RESULT 08-21-07
VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND	ND	ND

COMPOUND	RESULT 11-16-90	RESULT 04-18-00	RESULT 07-12-01	RESULT 06-24-02	RESULT 06-26-03	RESULT 06-21-04	RESULT 07-11-05	RESULT 11-08-06	RESULT 02-12-07	RESULT 05-08-07	RESULT 08-21-07
2-Hexanone	ND	ND	ND	ND	ND	ND	42.3	ND	ND	ND	ND
TCE	ND	ND	ND	ND	ND	ND	1.3	0.91 J	0.48 J	ND	1.5

COMPOUND	RESULT 12-31-85	RESULT 11-16-90	RESULT 04-20-00	RESULT 07-12-01	RESULT 06-25-02	RESULT 06-23-03	RESULT 06-21-04	RESULT 07-12-05	RESULT 11-07-06	RESULT 02-12-07	RESULT 05-08-07	RESULT 08-21-07
VC	NA	1,600	1,100	567	746/739	621	808	330/311	244	154	221	188
MC	ND	120	ND	ND	ND/ND	ND	ND	ND/ND	ND	ND	ND	ND
1,1-DCE	15	100	60	38.3J	34.0/34.0	29.0	25.9	17.7/15.5	13.7	11.7	15.0	ND
1,1-DCA	78	490	240	164	163/159	144	136	77.4/74.9	45.5	47.8	58.6	45.1
cis-1,2-DCE	ND	ND	ND	5,780	5410E/5320E	6,450	5,260	2,940/2,930	1,900	1,420	2130	1,940
trans-1,2-DCE	982[1]	6.4	8,100[1]	13.9	ND/ND	9.7 J	ND	5.0 J/4.9 J	4.3 J	11.3	9.0	ND
1,2-DCA	ND	7.6	1.8 J	ND	ND/ND	ND	ND	ND/ND	ND	ND	ND	ND
1,1,1-TCA	ND	17.0	ND	ND	ND/ND	ND	ND	ND/ND	ND	ND	ND	ND
TCE	ND	11.0	4.6 J	ND	2.6J/2.2J	ND	ND	3.7 J/ND	ND	1.9 J	2.4 J	ND
1,1,2-TCA	NA	9.5	3.7 J	ND	NA/NA	ND	ND	ND/ND	ND	ND	ND	ND
Toluene	NA	14.0	ND	ND	ND/ND	ND	ND	ND/ND	ND	ND	ND	ND

COMPOUND	RESULT 06-28-02	RESULT 06-25-03	RESULT 06-21-04	RESULT 07-11-05	RESULT 11-08-06	RESULT 02-12-07	RESULT 05-08-07	RESULT 08-21-07
Chloroform	0.32 J	ND/ND	ND	ND	ND	ND	ND	ND/ND
cis-1,2-DCE	1.2 J	ND/ND	ND	ND	ND	ND	ND	ND/ND
TCE	0.71 J	ND/1.4	1.5	2.4	1.2	1.2	1.2	1.7/1.8

COMPOUND	RESULT 12-31-85	RESULT 11-16-00	RESULT 05-02-00	RESULT 07-12-01	RESULT 06-25-02
ACETONE	ND	ND	ND	ND	ND
TCE	ND	ND	ND	ND	ND
cis-1,2-DCE	ND	ND	ND	23.2	6.2
1,1-DCA	ND	ND	ND	0.72 J	ND
trans-1,2-DCE	39	ND	7.0	1.2 J	ND
VC	NA	ND	1.1 J	ND	ND

COMPOUND	RESULT 11-16-90	RESULT 04-18-00	RESULT 07-10-01	RESULT 06-25-02	RESULT 06-25-03	RESULT 06-21-04
MC	3.0	ND	ND	ND	ND	ND/ND
1,1-DCA	2.4	1.9 J	2.4 J	1.9 J	2.0	1.5/1.5
1,2-DCA	1.6	ND	ND	ND	ND	0.57J/0.55…
1,1,1-TCA	8.8	3.7 J	6.6	5.9	7.1	5.8/5.6
TCE	2.8	4.4 J	6.2	6.6	7.1	6.3/8.0
TOTAL 1,2-DCE	ND	2.9 J	4.5 J	3.3 J	3.7	2.8/2.7
Chloroform	ND	ND	ND	ND	ND	
PCE	ND	ND	ND	ND	ND	ND/ND

COMPOUND	RESULT 04-27-00
ACETONE	ND
MEK	ND

COMPOUND	DEPTH	RESULT 10-11-99	DEPTH	RESULT 05-02-00	DEPTH	RESULT 07-13-01	DEPTH	RESULT 07-13-01	DEPTH	RESULT 08-13-02	RESULT 06/25/03	DEPTH	RESULT 06-23-04	DEPTH	RESULT 07-13-05	DEPTH	RESULT 11-09-06	DEPTH	RESULT 02-12-07	DEPTH	RESULT 02-12-07	RESULT 08-22-07
ACETONE	8.7–11.8	ND	9–12	ND		NA	9–11	ND	7–10	ND	11.7	7–10	36.9	7–10	7.5 J		NS		NS		NS	NS
1,1-DCA		128		160		NA		34.4 J		32.6	1.3		0.88 J		37.9		NS		NS		NS	NS
1,1-DCE		17.7J		26		NA		9.7 J		1.7 J	ND		ND		3.9		NS		NS		NS	NS
cis-1,2-DCE		2,440		3,900[1]		NA		1,210		530	60.2		47.9		719		NS		NS		NS	NS
trans-1,2-DCE		ND		ND		NA		ND		ND	ND		ND		1.5		NS		NS		NS	NS
1,1,2-TCA		ND		1.1 J		NA		NA		ND	0.46 J		ND		ND		NS		NS		NS	NS
TCE		21.8		36		NA		NA		2.4 J	ND		ND		2.4		NS		NS		NS	NS
VC		568		610		NA		199		26.9	ND		ND		13.8		NS		NS		NS	NS
BENZENE		ND		30 J		NA		NA		1.4 J	3.8		2.2		0.9 J		NS		NS		NS	NS
ACETONE	13.7–16.8	ND	14–17	ND		NA	14–16	ND	12–15	66.8	ND	12–15	ND	12–15	ND		NS		NS		NS	NS
1,1-DCA		247J		180		NA		32 J		163 J	145		115		102		NS		NS		NS	NS
1,1-DCE		57.9J		45		NA		ND		41.1 J	15.4 J		31.0		21.2		NS		NS		NS	NS
cis-1,2-DCE		6,940		6,000[1]		NA		1,160		5,570	4,610		3,820		3,560		NS		NS		NS	NS
trans-1,2-DCE		ND		ND		NA		ND		ND	ND		ND		27.8		NS		NS		NS	NS
1,1,2-TCA		ND		2.5 J		NA		ND		ND	ND		ND		ND		NS		NS		NS	NS
TCE		ND		12		NA		ND		ND	ND		ND		3.2 J		NS		NS		NS	NS
VC		1,850		970		NA		190		680	1,070		579		400		NS		NS		NS	NS
BENZENE		ND		1.1 J		NA		ND		ND	ND		ND		ND		NS		NS		NS	NS
1,1-DCA	18.7–22.0	230J	19–22.5	160	19–24	137	19–21	45.1 J	17–20	174 J	150	17–20	127	17–20	89.3		NS		NS		NS	NS
1,1-DCE		55.9J		34		ND		10.3 J		41.8 J	ND		34.4		18.9		NS		NS		NS	NS
cis-1,2-DCE		6,520		5,200[1]		4,080		1,600		6,170	5,040		4,210		3,280		NS		NS		NS	NS
trans-1,2-DCE		ND		ND		ND		ND		ND	ND		ND		19.3		NS		NS		NS	NS
1,1,2-TCA		ND		2.6 J		ND		ND		ND	ND		ND		ND		NS		NS		NS	NS
TCE		ND		7.3		ND		ND		ND	ND		ND		3.0 J		NS		NS		NS	NS
VC		1,720		830		500		230		730	1,090		607		345		NS		NS		NS	NS
MC		ND		ND		ND		6.8 J		ND	ND		ND		ND		NS		NS		NS	NS
ACETONE	23.6–26.9	ND	24.1–27	4.6 J		NA	24–26	ND	22–25	ND	ND	22–25	ND	22–25	ND		NS		NS		NS	NS
1,1-DCA		225J		160		NA		69.9 J		135 J	140		127		95.7		NS		NS		NS	NS
1,2-DCA		ND		1.1 J		NA		ND		36.7 J	ND		ND		ND		NS		NS		NS	NS
1,1-DCE		51.8J		40		NA		ND		ND	ND		34.3		56 J		NS		NS		NS	NS
cis-1,2-DCE		6,310		5,500		NA		2,390		5,140	4,560		3,860		3,420		NS		NS		NS	NS
trans-1,2-DCE		ND		ND		NA		ND		ND	ND		ND		22.3		NS		NS		NS	NS
1,1,2-TCA		ND		2.3 J		NA		ND		ND	ND		ND		ND		NS		NS		NS	NS
TCE		ND		8.2		NA		ND		ND	ND		ND		3.1 J		NS		NS		NS	NS
VC		1,580		690		NA		338		573	1,020		625		342		NS		NS		NS	NS
MC		ND		ND		NA		15 J		ND	ND		ND		ND		NS		NS		NS	NS
ACETONE	28.7–31.8	ND	29.5–32	ND		ND	29–31	ND	27–30	ND	ND	27–30	ND	27–30	91.3		NS		NS		NS	NS
1,1-DCA		225J		170		NA		52		147 J	143		122		ND		NS		NS		NS	NS
1,1-DCE		56.0J		44		NA		112 J		34.4 J	ND		35.9		18.5		NS		NS		NS	NS
cis-1,2-DCE		6,310		5,600[1]		NA		1,730		5,360	4,870		3,870		3,190		NS		NS		NS	NS
trans-1,2-DCE		ND		ND		NA		ND		ND	ND		ND		15.9		NS		NS		NS	NS
1,1,2-TCA		ND		2.3 J		NA		ND		ND	ND		ND		ND		NS		NS		NS	NS
TCE		ND		8.7		NA		ND		ND	ND		ND		2.9 J		NS		NS		NS	NS
VC		1,670		880		NA		259		607	1,070		657		330		NS		NS		NS	NS
MC		ND		ND		NA		8.5 J		ND	ND		ND		ND		NS		NS		NS	NS
ACETONE		NS	34.1–37.1	ND	33–38	ND	34–36	ND	32–35	ND	ND	32–35	ND	32–35	ND	32–35	ND	32–35	ND	32–35	3.9 J	ND
1,1-DCA		NS		120		182		52.7		149 J	139		127		49.2		23.5		13.1		10.7	33.8
1,1-DCE		NS		29		ND		11.2 J		36.2 J	22.7 J		32.9		7.2		5.1		3.7		3.1	ND
cis-1,2-DCE		NS		4,800[1]		6,720		1,810		5,350	4,570		3,730		1,580		577		412		342	1,250
trans-1,2-DCE		NS		ND		ND		ND		ND	ND		ND		47		1.6		ND		1.0	ND
1,1,2-TCA		NS		2.0 J		ND		ND		ND	ND		ND		ND		ND		ND		ND	ND
TCE		NS		5.7		ND		ND		ND	ND		ND		1.5 J		0.75 J		ND		0.43 J	ND
VC		NS		560		1,090		256		692	1,050		663		170		121		87.2		105	132
1,1-DCA		NS	38.8–42	89		NA	39–40	61.1 J	37–40	76.4 J	70.8	37–40	43.7	37–40	39.7	37–40	19.4	37–40	10.1	37–40	7.5	25.7
1,1-DCE		NS		20		NA		ND		17.8 J	10.5 J		12.3		5.0		4.2		3.1		2.1	ND
cis-1,2-DCE		NS		2,900[1]		NA		2,070		2,780	2,320		1,420		1,290		542		286		227	992
trans-1,2-DCE		NS		ND		NA		ND		ND	ND		ND		51.3		1.1		0.84 J		1.3	8.8
1,1,2-TCA		NS		ND		NA		ND		ND	ND		ND		ND		ND		ND		ND	ND
TCE		NS		3.9 J		NA		ND		ND	ND		ND		1.2 J		0.67 J		0.39 J		ND	ND
VC		NS		390		NA		332		337	580		230		139		106		71		73.6	103
MC		ND		ND		NA		14.8 J		ND	ND		ND		ND		ND		ND		ND	ND
1,1-DCA	44.1–47.2	138J	43.2–47	61		NA	44–46	54.4	42–45	69.8 J	72/72.7	42–45	38.3	42–45	36.2/38.2	42–45	17.7	42–45	10.1	42–45	7.0	22.8
1,1-DCE		30.2J		14		NA		11.6 J		16.0 J	17.4/15.7		10.8		4.3/6.6		3.9		3.0		2.0	ND
cis-1,2-DCE		4,290		1,900[1]		NA		1,850		2,660	1,950/2,250		1,290		1,140/1,230		459		290		210	917
trans-1,2-DCE		ND		ND		NA		ND		ND	ND/ND		ND		59.6/18.4		0.98 J		0.75 J		0.82 J	3.7 J
TCE		ND		2.6 J		NA		ND		ND	ND/ND		ND		1.2J/1.1J		0.54 J		0.39 J		ND	ND
VC		1,060		280		NA		281		310	631/644		200		130/154		101		71		72.9	92.9
MC		ND		ND		NA		8.5 J		ND	ND/ND		ND		ND/ND		ND		ND		ND	ND
ACETONE	48.7–51.7	ND	48–52.2	ND		NA	49–50	ND	47–50	ND	ND	47–50	ND/ND	47–50	ND	47–50	ND		ND		4.6 J	ND
1,1-DCA		110J		41		NA		60.4 J		61.4 J	70.3		32.1/32.3		25		13.5		7.7		5.6	18.8
1,1-DCE		24.7J		9.6		NA		ND		14.3 J	16.6		9.0 J/8.5 J		99		2.6		2.2		1.5	ND
cis-1,2-DCE		3,230		1,500		NA		1,950		2,340	2,040		1,100/1,100		923		390		221		185	724
trans-1,2-DCE		ND		ND		NA		ND		ND	4.7 J		ND/ND		26.2		1.6 J		0.50 J		0.56 J	8.1
MC		ND		4.8 J		NA		ND		ND	ND		ND/ND		ND		ND		ND		ND	ND
TCE		ND		2.0 J		NA		ND		ND	ND		ND/ND		1.1 J		ND		0.39 J		ND	ND
VC		822		190		NA		268		273	649		177/179		77.3		80.3		54.9		57.5	72.2
1,1-DCA	54.2–57.0	82.8J	54–57	13		NA	54–56	43.4 J	53.8–56	50.1	34.6	53.8–56	20.9	53.8–56	29.6	53.8–56	7.9	53.8–56	4.4	53.8–56	3.1	15.5
1,1-DCE		18.8J		3.1 J		NA		ND		10.7	6.9		5.5		7		1.4 J		1.0		0.96 J	ND
cis-1,2-DCE		2,360		390[1]		NA		1,480		1,720	1,030		706		728		219		146		107	590
trans-1,2-DCE		ND		ND		NA		ND		ND	ND		ND		0.92 J		ND		0.44 J		ND	5.9
TCE		ND		ND		NA		ND		ND	ND		ND		0.93 J		ND		ND		ND	ND
VC		601		66		NA		219		231	315		108		152		48		26.4		36.2	68.9
MC		ND		ND		NA		7.1 J		ND	ND		ND		330		ND		ND		ND	ND

[1] TOTAL 1,2-DCE RESULT

COMPOUND	RESULT 07-13-01	RESULT 05-25-02	RESULT 06-24-02	RESULT 05-22-04DUP	RESULT 07-12-05	RESULT 11-08-06	RESULT 02-13-07	RESULT 05-19-07	RESULT 08-22-07
ACETONE	ND	ND	ND	24.7/26.1	ND	ND	ND	ND	ND/ND
cis-1,2-DCE	7,020	2,770	2,740	4.8/4.9	4,530	7,140	2,280	1,790	8,770/8,970
TCE	8,760	5,580B	1,840	0.42J/0.42J	ND	786	211	57.1	ND/ND
trans-1,2-DCE	29.2 J	33.80	19.3	ND/ND	14.5 J	22.3	9.1	7.4	25 J/40.8 J
VC	505	55.7 J	134	14.9/15.8	1,680	1,420	456	776	2,530/2,610
1,1-DCA	ND	10.6 J	7.4 J	2.0/2.1	ND	ND	5.0 J	3.6 J	ND/ND
1,1-DCE	ND	15.4 J	8.5 J	ND/ND	11.0 J	21.8	9.9 J	7.0	ND/ND

COMPOUND	RESULT 04-25-99	RESULT 05-25-00	RESULT 07-11-01	RESULT 06-25-02	RESULT 06-24-03	RESULT 05-22-04	RESULT 07-13-05	RESULT 11-09-06	RESULT 02-14-07	RESULT 05-30-07	RESULT 08-21-07
ACETONE	6.5	ND	45.9	ND	ND	ND	ND	NS	NS	ND	NS
TCE	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	NS
trans-1,2-DCE	ND	NA	ND	ND	ND	ND	ND	NS	NS	ND	NS
cis-1,2-DCE	ND	NA	ND	ND	ND	ND	ND	NS	NS	ND	NS
TOTAL 1,2-DCE	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	NS

04-18-00	07-12-01	06-25-02	06-25-03	06-22-04	07-12-05	11-06-06	02-14-07	05-10-07	08-21-07
ND	ND	ND	ND	ND	ND	NS	NS	ND	NS

COMPOUND	RESULT 11-16-90	RESULT 05-13-00	RESULT 07-12-01	RESULT 06-25-02	RESULT 06-22-03	RESULT 06-21-04	RESULT 07-11-05	RESULT 11-09-06	RESULT 02-14-07	RESULT 05-30-07	RESULT 08-21-07
cis-1,2-DCE	ND	ND	1.2 J/1.2 J	ND	ND	ND	ND	NS	NS	NS	NS
1,1-DCE	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS

12-31-85	11-16-90	04-18-00	07-12-01	06-24-02	06-23-03	06-21-04	07-11-05	11-08-06	02-14-07	05-30-07	08-21-07
ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS

NOTES:

ELEVATIONS REFERRED TO CITY OF SYRACUSE DATUM.
ADD 362.00 FEET TO OBTAIN USGS DATUM OF 1929.

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

11-16-90 GROUNDWATER SAMPLING PERFORMED AS PART OF AN INVESTIGATION CONDUCTED BY BLASLAND, BOUCK & LEE ENGINEERS, P.C. IN LATE 1990.

12-31-85 GROUNDWATER SAMPLING PERFORMED AS PART OF AN INVESTIGATION CONDUCTED BY DAMES & MOORE IN LATE 1985.

ALL RESULTS ARE IN MICROGRAMS PER LITER (ug/L)
1,1-DCA – 1,1-DICHLOROETHANE
1,1-DCE – 1,1-DICHLOROETHENE
cis-1,2-DCE – cis-1,2-DICHLOROETHENE
trans-1,2-DCE – trans-1,2-DICHLOROETHENE
1,2-DCA – 1,2-DICHLOROETHENE
1,1,1-TCA – 1,1,1-TRICHLOROETHANE
1,1,2-TCA – 1,1,2-TRICHLOROETHANE
TCE – TRICHLOROETHENE
MC – METHYLENE CHLORIDE
VC – VINYL CHLORIDE
NA – NOT ANALYZED
ND – NOT REPORTED ABOVE METHOD DETECTION LIMITS
NS – NOT SAMPLED
J VALUE INDICATES RESULTS ESTIMATED FROM LABORATORY
LOCATIONS OF MONITORING WELLS MW-1 AND MW-5 ARE APPROXIMATE.
9.0/6.6 – ORIGINAL/DUPLICATE SAMPLE RESULTS

GROUNDWATER SAMPLES COLLECTED AUGUST 21 THROUGH 23, 2007.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND
TR-2 – BUILDING
– MONITORING WELL
PZ – PIEZOMETER
MW – MONITORING WELL NOT PART OF SITE-WIDE GROUNDWATER MONITORING PROGRAM

250 0 250
GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES
SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE
ARKANSAS FLORIDA KENTUCKY MICHIGAN MISSISSIPPI
OHIO TENNESSEE TEXAS SOUTH CAROLINA
VIRGINIA SLOVAKIA

FIGURE 1
TCE GW CONCENTRATIONS
AUGUST 2007
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 11AUG08 | DWG NAME:806464R003

RESTROOMS (TRAINING ON 2ND FLOOR)
BREAK AREA
OFFICES
IAS-8 (S)
IAS-9 (S)
IAS-6 (S)
SSAS-6
IAS-7 (S)
HORIZONTAL CONN
MH203
MH6
MH192
MH191
MH190
MH254
MH47
MH193
MH196A
MH196E
TR-2
MH196C
MH196B
RECEIVING AREA
MH006B
202B
MH202C
OVERHEAD DOOR
MH196D
VACANT
202D
MH006C
IAS-5 (S) SSAS-5
H201
MH198
MH215
MH194
MH196
MH225
MH226
MH227
MH200
MH199
MH195
MH197
MH214
MH145
MH146
MH147
MH218
IAS-3 (S) SSAS-3
TR-18
MH148
MH219
IAS-2 (S) SSAS-2
MH39
MH150
MH153
MH220
MH151
MH224
MH220A
IAS-4 (S) SSAS-4
MH223
MH152
MH222B
MH220B
TR-18S
MH222A
MH222
TR-4
IAS-1 (S) SSAS-1
MH144
MH142
MH143
MH144A
MH141A
TR-1
MH141
MH149
IAS-11 (S) SSAS-11
IAS-12 (S) SSAS-12
BLACKTOP
SWMUS 1-4
MH128
MH125
MH132
MH123
MH124
MH126
IAS-10 (S) SSAS-10
MH127
CB-2
TR-6
MH133
MH140
MH129
MH120
MH133A
MH139A
MH122
MH139
MH118
TR-7
MH131
TR-7A
MH130

LEGEND
IAS (S) INDOOR AIR SAMPLE
SSAS (S) SUBSLAB AIR SAMPLE

0 100 200
SCALE IN FEET

FIGURE 2
QUARTERLY SVI SAMPLE LOCATIONS
CARRIER CORPORATION
SYRACUSE, NEW YORK

REQUESTED BY:	M.H.
DRAWN BY:	E.R.
DWG DATE:	11AUG09
DWG NO:	806464R004

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE

I:\Projects-BST\806464 UTC Carrier - SyracuseNY\Dwg\806464R004.dwg 08/11/2008 14:21:32 PM CST

Table 1
Sub-Slab, Indoor, and Outdoor Air Sample Results
4th Quarter 2006 and 1st thru 3rd Quarters 2007
Carrier Corporation, Thompson Road Facility
Syracuse, New York

ID/Location	Date	TCE	1,1-DCE	*cis*-1,2-DCE	*trans* 1,2-DCE	1,1-DCA	Vinyl Chloride	Benzene	Toluene	Ethyl Benzene	m,p-Xlyene	o-Xylene
IAS-1 (TR-18S)	12/13/2006	3.5	ND	**1.5**	ND	ND	ND	0.93	1.6	0.90	2.8	1.0
	2/15/2007	4.6	ND	**2**	ND	ND	ND	1.3	4.4	ND	1.5	ND
	5/9/2007	**5.4**	ND	**3.4**	ND	ND	ND	0.85	2.5	ND	1.1	ND
	8/23/2007	**7.0**	ND	**3.6**	ND	ND	ND	ND	1.9	ND	ND	ND
SSAS-1 (TR-18S)	12/13/2006	5800		1000	22	51	ND	ND	ND	ND	ND	ND
	2/15/2007	5400		400	ND	28	ND	ND	ND	ND	ND	ND
	5/9/2007	3100		180	ND	14	ND	ND	19	ND	ND	ND
	8/23/2007	5600		540	ND	33	ND	ND	ND	ND	ND	ND
IAS-2 (TR-18)	12/13/2006	1.1	ND	0.64J	ND	ND	ND	0.87	2.2	0.70J	2.2	0.77
	2/15/2007	**6.9**	ND	**2.9**	ND	ND	ND	1.3	2.7	1.9	6.6	1.6
	5/9/2007	0.82	ND	ND	ND	ND	ND	0.73	2.2	ND	1.2	ND
	8/23/2007	4	ND	**4**	ND	ND	ND	ND	1.5	ND	0.67	ND
SSAS-2 (TR-18)	12/13/2006	740	ND	300	2.9	9.0	ND	9.3	160	26	97	35
	2/15/2007	1100	ND	270	3.6	7.8	ND	2.9	8.2	ND	ND	ND
	5/9/2007	780	ND	170	ND	6.8	ND	ND	11	ND	ND	ND
	8/23/2007	630	ND	170	ND	ND	ND	ND	22	ND	ND	ND
IAS-3 (TR-1 Vacant Office)	12/13/2006	1.2	ND	ND	ND	ND	ND	1.6	4.8	1.6	5.0	1.8
	2/15/2007	1.6	ND	ND	ND	ND	ND	1.6	12	0.58	1.7	0.64
	5/9/2007	1.4	ND	ND	ND	ND	ND	1.8	5.6	1	2.4	ND
	8/23/2007	0.39	ND	ND	ND	ND	ND	0.9	3.2	ND	1.4	ND
IAS-3 Duplicate (TR-1 Vacant Office)	12/13/2006	1.1	ND	ND	ND	ND	ND	1.5	3.8	1.4	5.0	1.8
	2/15/2007	1.6	ND	0.56	ND	ND	ND	1.7	12	ND	1.8	0.65
	5/9/2007	1.4	ND	ND	ND	ND	ND	1.8	5.4	0.9	2.2	ND
	8/23/2007	0.94	ND	ND	ND	ND	ND	1.2	4.9	0.76	2.2	0.78
SSAS-3 (TR-1 Vacant Office)	12/13/2006	1000	ND	120	2.0	5.2	ND	3.4	21	ND	6.5	2.5
	2/15/2007	670	ND	85	ND	3.7	ND	ND	7.3	ND	ND	ND
	5/9/2007	860	ND	130	ND	ND	ND	ND	11	ND	ND	ND
	8/23/2007	930	ND	130	ND	ND	ND	ND	ND	ND	ND	ND
IAS-4 (TR-4)	12/13/2006	ND	ND	ND	ND	ND	ND	0.83	2.0	ND	1.8	0.85
	2/15/2007	0.33	ND	ND	ND	ND	ND	1.2	2.6	ND	1	ND
	5/9/2007	0.58	ND	ND	ND	ND	ND	0.9	2.8	ND	1.5	ND
	8/23/2007	0.27	ND	ND	ND	ND	ND	0.91	2.0	ND	1	ND
IAS-4 (TR-4) Lab Duplicate	12/13/2006	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Sub-Slab, Indoor, and Outdoor Air Sample Results
4th Quarter 2006 and 1st thru 3rd Quarters 2007
Carrier Corporation, Thompson Road Facility
Syracuse, New York

ID/Location	Date	TCE	1,1-DCE	*cis*-1,2-DCE	*trans* 1,2-DCE	1,1-DCA	Vinyl Chloride	Benzene	Toluene	Ethyl Benzene	m,p-Xlyene	o-Xylene
	2/15/2007	0.28	ND	ND	ND	ND	ND	0.99	2.4	ND	0.93	ND
	5/9/2007	0.59	ND	ND	ND	ND	ND	1	3.2	ND	1.7	ND
	8/23/2007	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
SSAS-4 (TR-4)	12/13/2006	23	ND	1.4	ND	ND	ND	9.1	60	16	63	24
	2/15/2007	13	ND	ND	ND	ND	ND	0.82	0.74	ND	ND	ND
	5/9/2007	14	ND	0.96	ND	ND	ND	ND	2.8	ND	ND	ND
	8/23/2007	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
IAS-5 (TR-3)	12/13/2006	2.4	ND	ND	ND	ND	ND	3.0	8.9	1.8	5.6	2.2
	2/15/2007	1.7	ND	ND	ND	ND	ND	1.7	8.6	ND	1.3	ND
	5/9/2007	1.6	ND	ND	ND	ND	ND	2.2	**34**	2.1	7.4	2
	8/23/2007	1.1	ND	ND	ND	ND	**1.0**	1.0	6.7	0.92	2.6	0.81
SSAS-5 (TR-3)	12/13/2006	100	ND	ND	ND	ND	ND	25	110	13	44	17
	2/15/2007	72	ND	ND	ND	ND	ND	1.1	10	ND	ND	ND
	5/9/2007	91	ND	ND	ND	ND	ND	0.53	23	ND	ND	ND
	8/23/2007	88	ND	ND	ND	ND	ND	ND	28	ND	ND	ND
IAS-6 (TR-2)	12/13/2006	**20**	ND	0.64	ND	ND	ND	**7.9**	26	**4.0**	**13**	**5.2**
	2/15/2007	**8.7**	ND	ND	ND	ND	ND	3.1	**28**	1.4	4.4	1.4
	5/9/2007	4.7	ND	ND	ND	ND	ND	2.4	20	3.3	10	2.3
	8/23/2007	0.86	ND	ND	ND	ND	ND	3.5	15	2.5	6.6	2.4
SSAS-6 (TR-2)	12/13/2006	780	ND	ND	ND	ND	ND	39	260	48	170	65
	2/15/2007	1000, 1200 E	ND	1.2	0.9	ND	ND	1.8	52, 59	ND	ND	ND
	5/9/2007	1000	ND	ND	ND	ND	ND	ND	130	ND	ND	ND
	8/23/2007	870	ND	ND	ND	ND	ND	ND	250	ND	5.8	ND
IAS-7 (TR-2)	2/15/2007	**9.5**	ND	0.78	ND	ND	ND	**6.5**	**30**	2.6	9.9	2.6
	5/9/2007	3.8	ND	ND	ND	ND	ND	4.0	**27**	**4**	**13**	3.6
	8/23/2007	0.96	ND	ND	ND	ND	ND	2.7	11	2	5.3	1.7
IAS-7 (TR-2) Lab Duplicate	8/23/2007	1.1	ND	ND	ND	ND	ND	2.9	12	2.1	5.8	2.1
IAS-8 (TR-2)	2/15/2007	**9.2**	ND	ND	ND	ND	ND	3.6	26	1.7	5.4	1.6
	5/9/2007	1.9	ND	ND	ND	ND	ND	1.6	12	2.5	6.8	1.5
	8/23/2007	0.57	ND	ND	ND	ND	ND	1.6	6.6	1.9	3.9	1.4
IAS-9 (TR-2)	2/15/2007	2	ND	ND	ND	ND	ND	2.1	**40**	1.1	3.2	1.1
	5/9/2007	**6.7**	ND	ND	ND	ND	ND	2.6	22	3.3	10	2.3

Table 1
Sub-Slab, Indoor, and Outdoor Air Sample Results
4th Quarter 2006 and 1st thru 3rd Quarters 2007
Carrier Corporation, Thompson Road Facility
Syracuse, New York

ID/Location	Date	TCE	1,1-DCE	*cis*-1,2-DCE	*trans* 1,2-DCE	1,1-DCA	Vinyl Chloride	Benzene	Toluene	Ethyl Benzene	m,p-Xlyene	o-Xylene
	8/23/2007	1.1	ND	ND	ND	ND	ND	2.6	12	2.3	5.3	2
IAS-10 (TR-6)	2/15/2007	1.4	ND	ND	ND	ND	ND	**17**	**110**	**15**	**63**	**17**
	5/9/2007	0.31	ND	ND	ND	ND	ND	1.6	7.8	1.7	6.7	2.1
	8/23/2007	3	ND	ND	ND	ND	ND	0.96	11	**6.8**	**24**	**5.3**
	12/11/2007	3.8	ND	ND	ND	ND	ND	2.6	26	**59**	**230**	**45**
IAS-10 Duplicate (TR-6)	12/11/2007	4.1	ND	ND	ND	ND	ND	2.2	23	**57**	**230**	**43**
SSAS-10 (TR-6)	2/15/2007	310	ND	10	1.6	1.3	ND	2.3	12	2.2	8.7	2.6
	5/9/2007	240	ND	9.7	0.76	1.1	ND	ND	0.84	ND	2.1	0.88
	8/23/2007	370	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND
	12/11/2007	220	1.5	3.6	0.72	0.68	ND	0.68	5.2	12	47	8.6
SSAS-10 (TR-6) Lab Duplicate	8/23/2007	370	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND
IAS-11 (TR-4 south)	2/15/2007	2.1	ND	ND	ND	ND	ND	0.78	1.4	ND	0.75	ND
	5/9/2007	1.2	ND	ND	ND	ND	ND	0.97	3.7	1.2	3.6	1.1
	8/23/2007	0.82	ND	ND	ND	ND	ND	0.52	1.6	ND	ND	ND
	12/11/2007	2.7	ND	ND	ND	ND	ND	0.6	1.6	ND	ND	ND
SSAS-11 (TR-4 south)	2/15/2007	270	ND	1.2	ND	ND	ND	1.3	6.2	0.67	1.2	ND
	5/9/2007	290	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
	8/23/2007	380	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/11/2007	540	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND
SSAS-11 (TR-4 south) Lab Duplicate	8/23/2007	370	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
IAS-12 (TR-1 south)	2/15/2007	0.62	ND	ND	ND	ND	ND	2.3	19	1.6	5.6	1.5
	5/9/2007	1.2	ND	ND	ND	ND	ND	3.2	11	1.8	7.3	2.1
	8/23/2007	0.53	ND	ND	ND	ND	ND	1.9	7.9	1.4	3.8	1.1
	12/11/2007	1.1	ND	ND	ND	ND	ND	2.8	12	2.8	12	3.9
SSAS-12 (TR-1 south)	2/15/2007	18	ND	ND	ND	ND	ND	5.6	14	0.95	3.5	0.86
	5/9/2007	51	ND	ND	ND	1.7	ND	0.54J	0.82	ND	0.96	ND
	8/23/2007	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/11/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OAS-1 (Outside & west of TR-4)	12/13/2006	ND	ND	ND	ND	ND	ND	1.1	5.2	0.90	3.2	1.1
	2/15/2007	ND	ND	ND	ND	ND	ND	0.98	2.6	ND	1.3	ND
	5/9/2007	ND	ND	ND	ND	ND	ND	0.71	1.6	ND	ND	ND
	8/23/2007	1.4	ND	ND	ND	ND	ND	0.53	1.4	ND	ND	ND

Table 1
Sub-Slab, Indoor, and Outdoor Air Sample Results
4th Quarter 2006 and 1st thru 3rd Quarters 2007
Carrier Corporation, Thompson Road Facility
Syracuse, New York

ID/Location	Date	TCE	1,1-DCE	*cis*-1,2-DCE	*trans* 1,2-DCE	1,1-DCA	Vinyl Chloride	Benzene	Toluene	Ethyl Benzene	m,p-Xlyene	o-Xylene
OAS-2 (Outside & west of TR-18)	12/13/2006	ND	ND	ND	ND	ND	ND	0.84	1.2	0.93	3.2	1.1
	5/9/2007	ND	ND	ND	ND	ND	ND	0.66	1.6	ND	ND	ND
	8/23/2007	ND	ND	ND	ND	ND	ND	0.54	1.3	ND	ND	ND
SVS-1 (North end of Kinne St. Swale)	8/23/2007	ND	ND	ND	ND	ND	ND	82	850	160	370	120
	12/11/2007	ND	ND	ND	ND	ND	ND	1.1	2.3	ND	0.83	ND
SVS-2 (South end of Kinne St. Swale)	8/23/2007	0.26	ND	ND	ND	ND	ND	4.8	190	74	200	58
	12/11/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NYSDOH Air Guideline Values, indoor air		5										
EPA BASE Data, indoor air				<1.0		<0.5	<0.9	2.1 - 5.1	10.7 - 26	<1.6 - 3.4	4.1 - 12	<2.4 - 4.4

Notes:
(uG/m3)
ND - Not Detected
NE - Not Established
NA - Not Applicable, lab did not use this sample for duplicate QA/QC
NS - Not Sampled due to cannister malfunction or water vapor in tubing
IAS-1 (TR-18S) - Indoor Air Sample from TR-18S
SSAS-1 (TR-18S) - Subslab Vapor Sample from TR-18S

>**EPA Base Data** - Building Assessment and Survey Evaluation (BASE '94-'98). Unpublished.
Indoor Environments Division, US Environmental Protection Agency, Washington, DC.
>The NYSDOH generally uses the EPA BASE data when evaluating office or commerical buildings.
>No outdoor detections exceed the EPA Base Data for Outdoor air.

2.0 ASSESSMENT OF CURRENT CONDITIONS

As mentioned previously, seven buildings have been monitored as part of the soil vapor intrusion monitoring program. (Note: all soil vapor intrusion monitoring was conducted in accordance with the NYSDOH Guidance for Evaluation Soil Vapor Intrusion in the State of New York, October 2006.) A description of the monitoring program is described below:

Building TR-1 (IAS-3/SSAS-3): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (December 2006 through August 2007) from a vacant office area in this building. Indoor air TCE concentrations ranged from 0.39 to 1.6 µg/m^3, concentrations typical of background levels found throughout the state by NYSDOH. No indoor air TCE concentrations were detected above the NYSDOH air guideline of 5 µg/m^3.

Building TR-1 south end (IAS-12/SSAS-12): This portion of the building was monitored due to its proximity to SWMUs 1 through 4. Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (February 2007 through December 2007) from another vacant area in this building. Indoor air TCE concentrations ranged from 0.53 to 1.2 µg/m^3, concentrations typical of background levels found throughout the state by NYSDOH. Sub-slab vapor TCE concentrations were obtained from two of the four monitoring quarters at 18 and 51 µg/m^3.

Building TR-2 (IAS-6/SSAS-6, IAS-7, 8 and 9): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (December 2006 through August 2007) from an office area in this warehouse building. Three additional indoor air samples were obtained in the warehouse area surrounding the office area (IAS-7, 8, and 9) for the last three quarterly sampling events in this building. Indoor air TCE concentrations in the office area ranged from 0.86 to 20 µg/m^3. The NYSDOH air guideline of 5 µg/m^3 was exceeded two times during the monitoring period; once in December 2006 and once in February 2007. Sub-slab vapor concentrations over the four quarter sampling period ranged from 780 to1,200 µg/m^3. The indoor air samples in the warehouse area each had one sample that exceeded the NYSDOH air guideline as follows: IAS-7 ranged from 0.96 to 9.5 µg/m^3; IAS-8 ranged from 0.57 to 9.2 µg/m^3; and IAS-9 ranged from 1.1 to 6.7 µg/m^3.

Building TR-3 (IAS-5/SSAS-5): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (December 2006 through August 2007) from an office area in this building. Indoor air TCE concentrations ranged from 1.1 to 2.4 µg/m^3, concentrations typical of, or just slightly above, background levels found throughout the state by NYSDOH. No indoor air TCE concentrations were detected above the NYSDOH air guideline of 5 µg/m^3.

Sub-slab vapor concentrations remained relatively low over the four quarter sampling period, ranging from 72 to 100 µg/m^3.

Building TR-4 (IAS-4/SSAS-4): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (December 2006 through August 2007) from an office area in this building. Indoor air TCE concentrations ranged from non-detect to 0.58 µg/m^3, concentrations below typical background levels found throughout the state by NYSDOH. No indoor air TCE concentrations were detected above the NYSDOH air guideline of 5 µg/m^3. Sub-slab vapor concentrations ranged from 11 to 23 µg/m^3 over this monitoring period.

TR-4 south end (IAS-11/SSAS-11): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (February 2007 through December 2007) from a lab area in this building. Indoor air TCE concentrations ranged from 0.82 to 2.7 µg/m^3, concentrations typical of, or just slightly above background levels found throughout the state by NYSDOH. No indoor air TCE concentrations were detected above the NYSDOH air guideline of 5 µg/m^3. Sub-slab vapor concentrations over the four quarter sampling period ranged from 270 to 540 µg/m^3.

Building TR-6 (IAS-10/SSAS-10): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (February 2007 through December 2007) from an employee break-room area in this building. Indoor air TCE concentrations ranged from 0.31 to 3.8 µg/m^3, concentrations typical of, or just slightly above background levels found throughout the state by NYSDOH. No indoor air TCE concentrations were detected above the NYSDOH air guideline of 5 µg/m^3. Sub-slab vapor concentrations over the four quarter sampling period ranged from 220 to 370 µg/m^3.

Building TR-18 (IAS-2/SSAS-2): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (December 2006 through August 2007) from an office area in this building. Indoor air TCE concentrations ranged from 0.82 to 6.9 µg/m^3. The NYSDOH air guideline of 5 µg/m^3 was exceeded one time in February 2007. Sub-slab vapor concentrations over the four quarter sampling period ranged from 630 to 1,100 µg/m^3.

Building TR-18S (IAS-1/SSAS-2): Indoor air and sub-slab vapor samples were obtained for four consecutive quarters of monitoring (December 2006 through August 2007) from an office area in this building. Indoor air TCE concentrations ranged from 3.5 to 7.0 µg/m^3. The NYSDOH air guideline of 5 µg/m^3 was exceeded two times during this monitoring period; once in May 2007 and once in August 2007. Sub-slab vapor concentrations over the four quarter sampling period ranged from 3,100 to 5,800 µg/m^3.

3.0 CONCEPTUAL SITE MODEL

The primary pathway for TCE vapor migration into the sub-slab of the affected buildings is unlikely to be via wide-spread groundwater contamination. Water level measurements from the piezometer and groundwater monitoring well network, and the elevations of the storm sewer lines located throughout the facility indicate that the main lines of the storm sewer are located below the water table. Based on previous water level elevation data collected, the potentiometric surface map of the facility indicates that the storm sewer system is exerting an influence over the local groundwater flow system and that groundwater flows toward the main storm sewer lines, as opposed to north toward Sanders Creek. Years of groundwater data show TCE concentrations to be low throughout the site, with the exception of SWMUs 1 through 4 and the recently investigated MW-18 area at TR-1.

The vapor migration pathway appears to be related to the storm water lines that emanate from the SWMUs 1 through 4 source area. Available site plans show storm lines to pass under or through the SWMUs 1 through 4 source area and directly under Buildings TR-2, TR-18, and TR-18S. Lateral lines from the main trunk line appear to extend to many of the buildings surrounding SWMUs 1 through 4 and the trunk line, as shown in **Figure 3 — Potential Vapor Migration Pathway**.

RESTROOMS (TRAINING ON 2ND FLOOR)
BREAK AREA
OFFICES
IAS-8 (S)
IAS-9 (S)
IAS-6 (S) SSAS-6
IAS-7 (S)
MH203
MH6
HORIZONTAL CONN
MH192
MH191
MH190
MH254
MH47
MH193
MH196A
MH196B
MH196E
MH196C
MH196D
TR-2
RECEIVING AREA
OVERHEAD DOOR
202B
MH202C
202D
MH006B
VACANT
MH006C
IAS-5 (S) SSAS-5
MH225
MH226
MH227
MH201
MH198
MH215
MH194
MH196
MH200
MH199
MH195
MH214
MH197
MH147
MH145
MH146
MH218
IAS-3 (S) SSAS-3
TR-18
MH148
MH219
MH150
IAS-2 (S) SSAS-2
MH153
MH151
MH224
MH220
MH220A
MH152
IAS-4 (S) SSAS-4
MH223
MH222B
MH220B
TR-18S
MH222A
MH222
TR-4
IAS-1 (S) SSAS-1
MH144
MH142
MH143
MH144A
MH141A
TR-1
MH141
MH149
IAS-11 (S) SSAS-11
SWMUS 1-4
IAS-12 (S) SSAS-12
BLACKTOP
MH128
MH125
MH132
MH124
MH123
MH126
MH127
IAS-10 (S) SSAS-10
CB-2
TR-6
MH133
MH140
MH129
MH120
MH133A
MH139A
MH122
MH139
MH118
TR-7
TR-7A
MH131
MH130

LEGEND
IAS (S) INDOOR AIR SAMPLE
SSAS (S) SUBSLAB AIR SAMPLE

0 100 200
SCALE IN FEET

FIGURE 3
POTENTIAL VAPOR MIGRATION PATHWAY
CARRIER CORPORATION
SYRACUSE, NEW YORK

REQUESTED BY:	M.H.
DRAWN BY:	E.R.
DWG DATE:	11AUG08
DWG NO:	806464R005

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MEMPHIS, TENNESSEE

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4.0 PRIMARY PATHWAY MITIGATION

Carrier will focus mitigation activities on the primary pathway for TCE vapor migration in an effort to stabilize and possibly reduce vapor concentrations in the sub-slab of the affected buildings.

Building TR-1 (IAS-3/SSAS-3): The NYSDOH Decision Matrix 1 (**Table 2 — Soil Vapor/Indoor Air Matrix 1**), recommends that a mitigation action be taken at this location based on the sample results obtained over a four-quarter monitoring period. **Table 3 — Quarterly Soil Vapor/Indoor Air Matrix 1 Results**, summarizes the action recommended by the NYSDOH matrix guidance for each of the quarters sampled for each sampling location. Therefore, Carrier will assess the storm line as the primary pathway for soil vapor intrusion. If the field assessment shows the storm line to be the primary pathway, then Carrier will perform a mitigation action at or near the storm line where it enters Building TR-1 so that future migration of vapors into the sub-slab is prevented. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters during operation of the mitigation system. After this monitoring period, Carrier will evaluate the air data to determine the efficacy of the mitigation action on indoor air quality and to determine future monitoring needs.

Building TR-1 south end (IAS-12/SSAS-12): Based on these data combined with the buildings vacancy, no further action is required at this location. If this portion of the building becomes occupied, Carrier will begin a quarterly monitoring program for indoor air and sub-slab vapors.

Building TR-2 (IAS-6/SSAS-6, IAS-7, 8 and 9): Carrier recommends that a mitigation action be taken at this building to reduce indoor air TCE concentrations below the NYSDOH air guideline. Carrier will assess the storm line as the primary pathway for soil vapor intrusion. If the field assessment shows the storm line to be the primary pathway, then Carrier will perform a mitigation action at or near the storm line where it enters Building TR-2 so that future migration of vapors into the sub-slab is prevented. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters during operation of the mitigation system. After this monitoring period, Carrier will evaluate the air data to determine the efficacy of the mitigation action on indoor air quality and to determine future monitoring needs.

Table 2
Soil Vapor/Indoor Air Matrix 1
October 2006

	Indoor Air Concentration of Compound (µg/m^3)			
Sub-Slab Vapor Concentration of Compound (µg/m^3)	<0.25	0.25 to 1	1 to <5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify sources(s)	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to <50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to 250	9. MONITOR	10. MONITOR/MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

Notes:
> = greater than
< = less than

Table 3
Quarterly Soil Vapor/Indoor Air Matrix 1 Results
5 quarters of monitoring from December 2006 to December 2007

	Action based on Matrix 1 above				
Building	**December 2006 — 1st Quarter**	**February 2007 — 2nd Quarter**	**May 2007 — 3rd Quarter**	**August 2007 — 4th Quarter**	**December 2007 — 5th Quarter**
TR-1 (vacant office)	Mitigate	Mitigate	Mitigate	Mitigate	—
TR-1 south	—	Monitor	Monitor	Monitor/Mitigate	Monitor
TR-2	Mitigate	Mitigate	Mitigate	Mitigate	—
TR-3	Mitigate	Mitigate	Mitigate	Mitigate	—
TR-4	NFA	Monitor	Monitor	Monitor	—
TR-4 south	—	Mitigate	Mitigate	Mitigate	Mitigate
TR-6	—	Mitigate	Monitor/Mitigate	Mitigate	Mitigate
TR-18S	Mitigate	Mitigate	Mitigate	Mitigate	—
TR-18	Mitigate	Mitigate	Mitigate	Mitigate	—

Notes:
Blue — Indoor Air Data indicates TCE vapors above NYSDOH air guideline of 5 µg/m^3
Green — Indoor Air Data shows TCE vapors not to be of concern
Light Blue — Indoor Air Data is less than NYSDOH air guideline of 5 µg/m^3, but sub-slab concentrations may require mitigation

Building TR-3 (IAS-5/SSAS-5): The NYSDOH Decision Matrix 1 guidance recommends that a mitigation action be taken at this location based on the sample results obtained over a four-quarter monitoring period. Therefore, Carrier will assess the storm line as the primary pathway for soil vapor intrusion. If the field assessment shows the storm line to be the primary pathway, then Carrier will perform a mitigation action at or near the storm line where it enters Building TR-3 so that future migration of vapors into the sub-slab is prevented. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters during operation of the mitigation system. After this monitoring period, Carrier will evaluate the air data to determine the efficacy of the mitigation action on indoor air quality and to determine future monitoring needs.

Building TR-4 (IAS-4/SSAS-4): Per the NYSDOH Decision Matrix 1, monitoring of indoor and sub-slab vapors is recommended at this location. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters. After this monitoring period, Carrier will evaluate the air data to determine if continued monitoring is necessary.

Building TR-4 south end (IAS-11/SSAS-11): The NYSDOH Decision Matrix 1 guidance recommends a mitigation action be taken at this location based on the sample results obtained over a four-quarter monitoring period. Therefore, Carrier will assess the storm line as the primary pathway for soil vapor intrusion. If the field assessment shows the storm line to be the primary pathway, then Carrier will perform a mitigation action at or near the storm line where it enters the south end of Building TR-4 so that future migration of vapors into the sub-slab is prevented. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters during operation of the mitigation system. After this monitoring period, Carrier will evaluate the air data to determine the efficacy of the mitigation action on indoor air quality and to determine future monitoring needs.

Building TR-6 (IAS-10/SSAS-10): The NYSDOH Decision Matrix 1 guidance recommends a mitigation action be taken at this location based on the sample results obtained over a four-quarter monitoring period. Therefore, Carrier will assess the storm line as the primary pathway for soil vapor intrusion. If the field assessment shows the storm line to be the primary pathway, then Carrier will perform a mitigation action at or near the storm line where it enters Building TR-6 so that future migration of vapors into the sub-slab is prevented. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters during operation of the mitigation system. After this monitoring period, Carrier will evaluate the

air data to determine the efficacy of the mitigation action on indoor air quality and to determine future monitoring needs.

Building TR-18 (IAS-2/SSAS-2): The NYSDOH Decision Matrix 1 guidance recommends a mitigation action be taken at this location based on the sample results obtained over a four-quarter monitoring period. Carrier recommends that a mitigation action be taken at this building to reduce indoor air TCE concentrations below the NYSDOH air guideline. Carrier will assess the storm line as the primary pathway for soil vapor intrusion. If the field assessment shows the storm line to be the primary pathway, then Carrier will perform a mitigation action at or near the storm line where it enters Building TR-18 so that future migration of vapors into the sub-slab is prevented. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters during operation of the mitigation system. After this monitoring period, Carrier will evaluate the air data to determine the efficacy of the mitigation action on indoor air quality and to determine future monitoring needs.

Building TR-18S (IAS-1/SSAS-2): The NYSDOH Decision Matrix 1 guidance recommends a mitigation action be taken at this location based on the sample results obtained over a four-quarter monitoring period. Carrier recommends that a mitigation action be taken at this building to reduce indoor air TCE concentrations below the NYSDOH air guideline. Carrier will assess the storm line as the primary pathway for soil vapor intrusion. If the field assessment shows the storm line to be the primary pathway, then Carrier will perform a mitigation action at or near the storm line where it enters Building TR-18S so that future migration of vapors into the sub-slab is prevented. Carrier will implement quarterly indoor air and sub-slab monitoring in this building for two consecutive quarters during operation of the mitigation system. After this monitoring period, Carrier will evaluate the air data to determine the efficacy of the mitigation action on indoor air quality and to determine future monitoring needs.

5.0 DATA DEVELOPMENT FOR MITIGATION

The vapor migration pathway to the affected buildings appears to be related to the storm water lines that pass through/under the SWMUs 1 through 4 source area. Rather than continuing to collect indoor and sub-slab data in these affected areas, Carrier proposes to perform mitigation at some of the locations by controlling the assumed vapor pathway — the storm sewer lines and possibly other subsurface utilities.

Additionally, Carrier will evaluate the listed areas of historical chlorinated solvent used in manufacturing operations:

- Building TR-1 degreaser location: between columns C9 and D9 and immediately west of column E22

- Building TR-2 degreaser locations: at/near columns E2 and M2

Once the evaluation of these areas is completed, Carrier will perform quarterly vapor intrusion sampling for a period of one year, in conjunction with the Building TR-5 vapor intrusion sampling (discussed in Section 5.4).

Through research by Carrier facility personnel, a degreaser has already been identified as having been formerly located in the southeast corner of Building TR-3. A detailed description of the investigation in this area is described in the *MW-18 Source Area Investigation Report, July 2007*. Once the historical information has been collected, the proposed Soil Vapor Intrusion (SVI) sampling plan described in Section 5.4 may be expanded. No SVI investigation is proposed because the building is not occupied and slated for demolition.

5.1 Storm Line Construction Data Collection

Carrier will obtain and review existing documentation on storm sewer line and utility layout and construction in the area shown on **Figure 3**. Portions of the Carrier facility, originally a General Electric facility, were constructed as early as the 1940s, and construction records for some of the storm lines may not be available. In this case, Carrier will perform a limited site investigation to gather information not available in construction plans. Information that will be needed in order to develop a focused CMS for vapor migration mitigation includes:

- Location of the storm lines — Available site plans show storm lines to pass under or through the SWMUs 1 through 4 source area and directly under Buildings TR-18S, TR-18, and TR-2. Lateral lines from the main trunk line appear extend to many of the buildings surrounding SWMUs 1 through 4 and the trunk line, as shown in **Figure 3**. Carrier will conduct a desktop and in-field study to map the storm lines in this area so that future monitoring and/or mitigation can be addressed adequately.

- Construction of storm sewer lines — The materials of construction of the storm lines is known to vary throughout the site. Additionally, it is known that the integrity of the storm lines is compromised and that groundwater seeps into the lines at various locations. These breeches in the storm lines can also serve as a vapor migration pathway to the affected buildings. Carrier will obtain information on the construction of the storm lines as follows:

  — Material of construction

  — Depth of construction

  — Integrity of the storm line/utility — it may be necessary to perform an in-line camera survey of the lines shown in **Figure 3** to determine if there are significant vapor migration pathways into the storm lines

- Underlying construction of storm lines — bedding material underlying storm lines (e.g. compacted soil, sand, gravel). A more porous bedding media is presumed to provide a preferred vapor migration pathway.

- Foundation construction of affected buildings — this information will be useful in determining the vapor migration pathway(s) under the building, and help in assessing the effectiveness of a mitigation system in depressurizing the sub-slab, thereby reducing contaminant vapor concentrations.

5.2 Sealing of Infiltration Points

Sub-slab soil vapor can enter a building through cracks or perforations in slabs or anywhere there is a difference between interior and exterior pressures. To address this potential mitigation pathway, Carrier will inspect concrete floor slabs for visible vapor migration pathways during the data

development phase of the mitigation plan. A sealing material (e.g. elastomeric joint sealant — as defined in American Society for Testing Materials C920-87, compatible caulks, non-shrink mortar, grouts, or expanding foam) will be used to seal these points to further limit potential for vapor intrusion under any conditions. The actual sealing of these points will be completed during the vapor sample collection activities described in Section 5.3.

5.3 HVAC Modifications

During the data development phase of the mitigation plan, the HVAC system in each of the affected buildings will be checked for positive pressure conditions (e.g., verify a pressure controller is maintaining the desired pressure differential and/or measure the pressure differential between the sub-slab and indoor air by using field instruments). Back-drafting conditions will be evaluated and corrected, as necessary. It is important to note that the HVAC systems at various Carrier facility buildings are operated to satisfy customer and energy conservation requirements.

5.4 Manhole Vapor Sample Collection

Once the data pertaining to the layout of the storm line and pertinent construction characteristics of the storm line have been collected, Carrier will place Summa canisters in strategic manholes along the lines to collect vapor samples. At a minimum, a Summa canister will be placed at the manhole closest to the affected building. The location(s) of the trunk line, laterals, and size of the building will determine, in part, how many canisters are placed. **Figure 4 — Proposed Manhole SVI Sample Locations**, shows the proposed locations; however these locations may be moved and/or new locations added pending the outcome of the data collection study outlined previously.

If possible, a soil vapor sample will be obtained from the bedding material underlying or surrounding the storm line at these locations to determine if it is a vapor migration pathway into the building. This will be achieved by installing a soil vapor probe adjacent to the storm line into the bedding material. However, the ability to install and obtain reliable data from the soil probe will depend on the construction of the storm lines (i.e. underlying bedding material, if any) and site conditions such as depth to ground water. A description of soil vapor probe installation and sampling will be consistent with those proposed and approved in Carrier's *Soil Vapor Intrusion Work Plan*, *September 2006, EnSafe*, prepared as part of consent order requirements on soil vapor intrusion at the site.

RESTROOMS (TRAINING ON 2ND FLOOR)
BREAK AREA
OFFICES
IAS-8 (S)
IAS-9 (S)
IAS-6 (S) SSAS-6
IAS-7 (S)
HORIZONTAL CONN
MH203
MH6
MH192
MH191
MH190
MH
MH254
MH47
MH193
MH196A
MH196E
TR-2
MH196C
MH196B
RECEIVING AREA
MH006B
202B
MH202C
OVERHEAD DOOR
MH196D
VACANT
202D
MH006C
IAS-5 (S) SSAS-5
H201
MH198
MH215
MH194
MH196
MH225
MH226
MH227
MH200
MH199
MH195
MH197
MH214
MH145
MH146
MH147
MH218
IAS-3 (S) SSAS-3
TR-18
MH148
MH219
IAS-2 (S) SSAS-2
MH39
MH150
MH153
MH151
MH220
MH224
MH220A
IAS-4 (S) SSAS-4
MH223
MH152
MH222B
MH220B
TR-18S
MH222A
TR-4
MH222
IAS-1 (S) SSAS-1
MH31
MH144
MH142
MH143
MH144A
MH141A
TR-1
MH141
MH149
IAS-11 (S) SSAS-11
SWMUS 1-4
IAS-12 (S) SSAS-12
BLACKTOP
MH128
MH125
MH132
MH123
MH124
MH126
MH127
IAS-10 (S) SSAS-10
CB-2
MH
TR-6
MH133
MH140
MH129
MH120
MH133A
MH139A
MH122
MH139
MH118
TR-7
MH131
TR-7A
MH130

LEGEND
IAS (S) INDOOR AIR SAMPLE
SSAS (S) SUBSLAB AIR SAMPLE

0 100 200
SCALE IN FEET

FIGURE 4
PROPOSED MH/STORM LINE
SVI SAMPLE LOCATION
CARRIER CORPORATION
SYRACUSE, NEW YORK

REQUESTED BY:	M.H.
DRAWN BY:	E.R.
DWG DATE:	17JUL08
DWG NO:	806464R004

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Building TR-5 SVI Sampling

The analytical results from the TR-3 degreaser investigation confirm a source area near the former location of the degreaser in Building TR-3. As shown on **Figure 5**, Building TR-5 is approximately 50-feet south of the former degreaser location, with storm lines and laterals passing from the former degreaser location to the north and western sides of the Building TR-5. Therefore, Carrier proposes a quarterly indoor and sub-slab sample be obtained from the north end of Building TR-5 for a period of one year (**Figure 5 — Proposed Building 5 SVI Sample Location**).

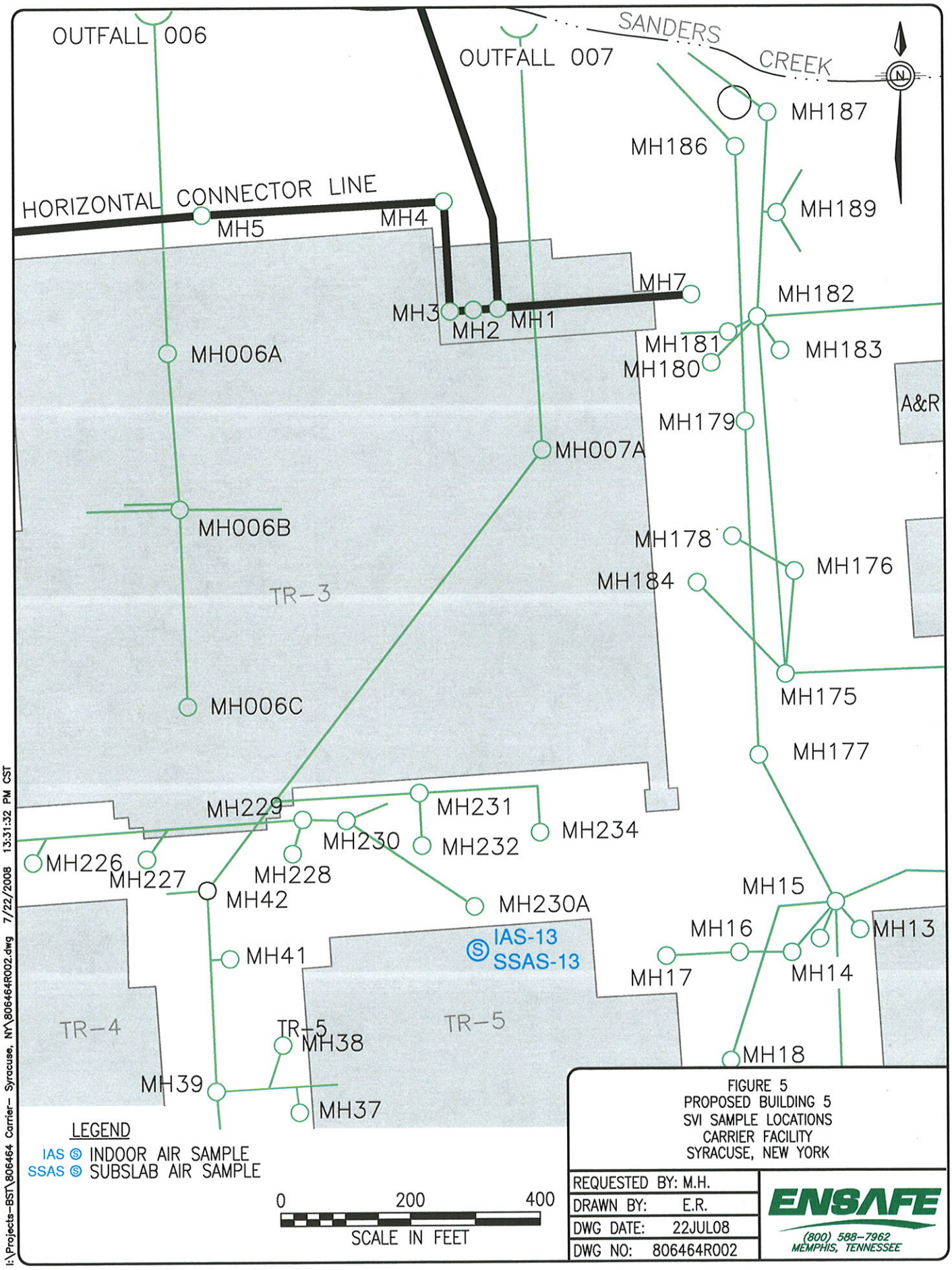

FIGURE 5
PROPOSED BUILDING 5
SVI SAMPLE LOCATIONS
CARRIER FACILITY
SYRACUSE, NEW YORK

REQUESTED BY:	M.H.
DRAWN BY:	E.R.
DWG DATE:	22JUL08
DWG NO:	806464R002

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6.0 SAMPLING AND ANALYSIS PLAN

Information on the Sampling and Analysis Plan can be found in the *Corrective Measures Implementation Work Plan, Soil Vapor Intrusion Work Plan*, September 2006.

7.0 ANALYTICAL METHODS

Information on the Analytical Methods can be found in the *Corrective Measures Implementation Work Plan, Soil Vapor Intrusion Work Plan*, September 2006.

8.0 HEALTH AND SAFETY PLAN

Information on the Health and Safety Plan can be found in the *Corrective Measures Implementation Work Plan, Soil Vapor Intrusion Work Plan*, September 2006.

9.0 REFERENCES

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