

# B

## System Inspection Field Forms

Sene ca Market  
inspection conducted  
3:50 pm  
10/14/08  
By . C. Dusek Tr.  
URS Corp.

# B.1

## Structure Inspection Form

**System Inspection Field Form**  
**Soil Vapor Mitigation Systems, ~~Endicott~~ NY**  
*Watkins Glen*

**STRUCTURE INSPECTION FORM**

Routine or Non-Routine (circle one)

Address: Seneca Market Tracking Number: \_\_\_\_\_

Date of Inspection: 10/14/08

Date of Last Inspection: 8/13/07

Have the following items changed since the last visit?

	No	Yes	If yes, explain...
Building Footprint	<u>No</u>		
Basement/Slab Occupancy		<u>Yes</u>	<u>slab occupancy - see note below</u>
Heating/Ventilating Systems	<u>No</u>		
Basement Finish			<u>No basement</u>
Crawlspace			<u>No crawlspace</u>
Drains, Sumps, <u>Floor Cracks</u>			<u>No floor cracks</u>
Wall Penetrations, Cracks			<u>no new wall penetrations/cracks</u>
Appliances (in basement)			<u>No basement → therefore</u>
Ownership	<u>No</u>		<u>no appliances</u>
Siding	<u>No</u>		

**If any of these items have changed, a redesign may be required.  
 Contact the maintenance supervisor for field review.**

**Deviations/Comments**

slab occupancy - previous years back area  
behind store used for wine storage. The  
Last 1-1.5 yrs. this area was used as  
construction office for new hotel construction

Performed by: C. Dwyer Date: 10/14/08

# B.2

## Fan and Electrical Inspection Form

**System Inspection Field Form**  
Soil Vapor Mitigation Systems, ~~Endicott~~, NY

*Watkins Glen*

**FAN AND ELECTRICAL INSPECTION FORM**

Routine or Non-Routine (circle one)

Date of Inspection: 10/14/08

Address: Seneca Market Tracking Number: \_\_\_\_\_

Electric Meter Number: Last visit: N/A Current visit: \_\_\_\_\_

*NO ADJUSTMENTS WERE*

*MADE TO SYSTEM*

As Found		Manometer Reading (in. H <sub>2</sub> O)		As Left		Manometer Reading (in. H <sub>2</sub> O)	
Fan Model	SSD#	Prior	Current	Fan Model	SSD#	Prior	Current
	<u>1</u>		<u>2.2</u>				
	<u>2</u>		<u>2.2</u>				

*see attached sketch*

#1

(2.2) (2.2)

#2

As Found  
Yes No

As Left  
Yes No

*N/A*

**System Re-commissioning**

Is there a differential pressure shown in U-Tube manometer?

If yes, provide readings.

Was each fan shroud removed?

Is each fan mounted securely?

Are coupling connections secure?

Does each fan run when the switch is in the ON position?

Does each fan shut down when the switch is in the OFF position?

Is excessive noise heard when fan is running?

Does each fan induce suction when running?

Is switch ~~X~~ locked in the ON position?

X  
*Both gauges read 2.2*

X

X

N/A

N/A

X

N/A

N/A

X

X

X

N/A

X

N/A

X

X

*{ there is only one fan and it runs continuously }*

*run continuously No switch -*

*did not inspect*

**Electrical Check**

Are Romex connections secure?

Is each junction box closed?

Are conduit properly supported?

Does each fan start when the switch is ON position?

Are any appliances affected by fan operation?

Does each fan stop when the switch is in OFF position?

Are mitigation system labels applied?

Are the correct labels applied in the proper locations?

**Deviations/Comments**

There is ONLY ONE FAN AND IT RUNS CONTINUOUSLY - NO SWITCHES.

Performed by: C. Dwyer

Date: 10/14/08

*All supports + piping good.*

*No red lights on -*

*- could hear fan running*

# B.3

## Piping, Slab, and Wall Inspection Form

**System Inspection Field Form**  
**Soil Vapor Mitigation Systems, Endicott, NY**  
*Watkins Glen*  
**PIPING, SLAB, AND WALL INSPECTION FORM**

(Routine or Non-Routine (circle one))

Address: Sepeca Market Tracking Number: \_\_\_\_\_

Date of Inspection: 10/14/08

	As Found		As Left		
	Yes	No	Yes	No	
<b>Piping Check</b>					
Is glue evident at joints?		X			
Are system suction points sealed?	X				
Is piping system properly supported?	X				
Are valves and manometers installed at proper locations?	X				
Is excessive noise heard in piping joints?		X			
Were piping modifications and 10% of old joints smoke tested?		X			<i>there were NO modifications</i>
Does smoke enter joints?					
If yes: Was joint re-sealed?					
Does smoke enter re-sealed joint?					
<b>Slab Check</b>					
Was each identified slab crack, repair, or modification smoke tested?					<i>No cracks</i>
Does smoke enter?					
If yes: Was area re-sealed with approved sealant*?					
Does smoke enter re-sealed area?					
Check/clean drain(s)/Dranjer(s) <sup>TM</sup> ?					
Were drain(s)/Dranjer(s) <sup>TM</sup> smoke-tested?					
<b>Wall Check</b>					
Was each visible wall crack smoke tested?					<i>No new penetrations in walls</i>
Is movement observed at wall cracks?					
If yes: Was crack was re-sealed with approved sealant?					
Does smoke enter re-sealed crack?					
Was the open course of top wall smoke tested?					
Does smoke enter top course?					
If yes: Open block re-sealed with approved sealant?					
Does smoke enter open block tops?					

**Deviations/Comments** There were no system modifications.  
No cracks were observed in slab -  
No new penetrations in walls.  
No smoke tests conducted.

Performed by: C. Duff Date: 10/14/08

\* approved sealant shall be an odorless, non-toxic, non-flammable, environmentally safe product

# **B.4**

## **Crawlspace Inspection Form**



**System Inspection Field Form**  
**Soil Vapor Mitigation Systems, Endicott, NY**

**CRAWLSPACE INSPECTION FORM**

*Watkins Glen*

Routine or Non-Routine (circle one)

Address: Seneca Market Tracking Number: \_\_\_\_\_

Date of Inspection: 10/14/08

Inaccessible Crawlspace	As Found*		As Left*	
	Crawlspace 1	Crawlspace 2	Crawlspace 1	Crawlspace 2
SSD#				
Crawlspace Volume	cf.	cf.	cf.	cf.
Suction Pipe Diameter	in.	in.	in.	in.
Manometer reading	in. WC	in. WC	in. WC	in. WC

Accessible Crawlspace	As Found*		As Left*	
	Crawlspace 1	Crawlspace 2	Crawlspace 1	Crawlspace 2
SSP#				
Smoke test each membrane				
Smoke entered seam				
Manometer reading >0.004"				

**Deviations/Comments**

*no crawlspace → therefore  
nothing to inspect*

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- \* As-found conditions = before corrective action.
- \* As-left conditions = after corrective action.

Performed by: C. Dusef Date: 10/14/08

# C

## Re-Commissioning Field Form

**Re-Commissioning Field Form**  
**Soil Vapor Mitigation Systems, ~~Endicott~~, NY**

*Watkins Glen*

**TEST DATA AND BACKDRAFT**

Routine ☒ Non-Routine (circle one)

Address: *Seneca Market* Tracking Number: \_\_\_\_\_

Inspection Date: *10/14/08*

**Manometer Reading at Fan Inlet**

Prior Visit: \_\_\_\_\_ Date: \_\_\_\_\_  
 As found: \_\_\_\_\_  
 As left: \_\_\_\_\_

**Manometer Reading at SSDs**

SSD#	1	2	3	4	5	6	7	8
Manometer Reading (Prior)								
Manometer Reading (As Found)								
Manometer Reading (As Left)								

Valves and manometers installed at proper location? \_\_\_\_\_

**Communication Test**

Fan On	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8
Test point identifier								
Micromanometer Reading								
Distance to Closest SSP (ft)								
Smoke Test								

Fan Off	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Point 7	Point 8
Test point identifier								
Micromanometer Reading								
Distance to Closest SSP (ft)								
Smoke Test								

	As Found*		As Left*	
	Yes	No	Yes	No
All fans in operation?	_____	_____	_____	_____
Winter conditions simulated?	_____	_____	_____	_____
Each test point tested?	_____	_____	_____	_____
Each test point sealed after testing?	_____	_____	_____	_____
Vacuum <-0.004 observed at each test point?	_____	_____	_____	_____
Smoke entered each test point?	_____	_____	_____	_____
All valves set prior to re-commissioning comm. test?	_____	_____	_____	_____

	As Found		As Left	
	Yes	No	Yes	No
<b>Backdraft Test</b>				
Windows closed?	_____	_____	_____	_____
Venting appliances on?	_____	_____	_____	_____
Doors closed?	_____	_____	_____	_____
Combustion sources on?	_____	_____	_____	_____
Backdraft?	_____	_____	_____	_____
Hot water heater?	_____	_____	_____	_____
Furnace/Boiler?	_____	_____	_____	_____
Fireplace?	_____	_____	_____	_____
Dryer?	_____	_____	_____	_____
Owner notified of existing backdraft condition?	_____	_____	_____	_____
Was a previous backdraft condition present during any previous visit?	_____	_____	_____	_____

	As Left	
	Yes	No
<b>Redline Drawing</b>		
Piping redlines complete?	_____	_____
Each switch and electrical tie in are identified?	_____	_____
Cracks/penetrations are identified?	_____	_____
As-built notes are complete?	_____	_____
New ventilation devices identified?	_____	_____

**Deviations/Comments**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

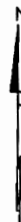
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- \* As-found conditions = before corrective action.
- \* As-left conditions = after corrective action.

Performed by: C. Dwyer Date: 10/14/08



LINCOLN DRIVE

KITCHEN

TEST HOLE #2

ATTACHED  
2 STORY  
BUILDING

SNACK BAR

PARKING LOT

WINE STORAGE AREA

TEST HOLE #1

PARKING LOT

- EXTRACTION POINT
- ⊕ TEST HOLE

**GeoLogic**

GeoLogic NY, Inc.

FLOOR PLAN  
1 NORTH FRANKLIN STEET  
WATKINS GLEN, NY

DR. BY:  
JAM

SCALE:  
1" = 10'

PROJ. NO:  
205004B

REVD BY:

DATE:  
NOV. 2005

DRWG. NO:  
1

# Seneca Market Building Sub-Slab Depressurization System Inspection



1. Close up of magnehelic gauges.

# Seneca Market Building Sub-Slab Depressurization System Inspection



2. Photograph of magnehelic gauges and mitigation system labels



## Seneca Market Building Sub-Slab Depressurization System Inspection



**3. Photograph of suction point # 1. There are no visible signs of cracks in slab, The floor penetration seal is competent.**



## **Seneca Market Building Sub-Slab Depressurization System Inspection**



**4. Photograph of suction point #2. All PVC welds are in good shape.**

## **Seneca Market Building Sub-Slab Depressurization System Inspection**



**5. Photograph of suction fan and vent pipe. All fasteners are holding vent pipe securely to the wall.**