



O'BRIEN &amp; GERE

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## System Inspection Field Form

## STRUCTURE INSPECTION

Routine or Non-Routine (circle one)

ENVIRONMENTAL REMEDIATION  
REGION 7 - SYRACUSEAddress: 4566 Waterhouse Rd CLAY, NYStructure ID #: Eagle ComPerformed by: MARK TUCKERDate: 10-26-2018

Have the following items changed since the last visit?

Building Foot Print

Yes

No

Basement/Slab Occupancy

Heating / Ventilating Systems

Basement Finish

Crawlspaces

Drains, Sumps, Floor Cracks

Wall Penetrations, Cracks

Appliances (in basement)

Siding

Are there any new buildings on the property or conversion of spaces  
in previously existing building?

If Yes, describe in comments section below.

Ownership

If Yes, write new owner name contact information below

Date of Ownership Change

Owner Name

Telephone No.

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

## Documentation

Were digital photographs taken of the entire system?

☐ Yes☒ No

Was Property Owner provided "Operational Fact Sheet"?

☐ Yes☐ No☒ No - has already been provided

Was the drawing updated to show any changes?

☐ Yes☐ No☒ N/AWas a Service Call filed for items that could  
not be addressed during this visit?☐ Yes☒ No☐ N/A

## Comments



## System Inspection Field Form

## FAN AND ELECTRICAL

Routine or Non-Routine (circle one)

Address:

4566 Waterhouse Rd

Structure ID #:

Eagle Com

Performed by:

Mark Tucker

Date:

10-26-18

## Equipment Documentation

## Manometer Reading at Fan Inlet (" w.c. vacuum)

Fan #	HP220	HP220				
Fan Model	1	2				
Manometer Reading (Prior Commissioned)	*	*				
Manometer Reading (As Found)	*	*				
Manometer Reading (As Left)	*	*				

## Manometer Reading at Sub-Slab SSPs (" w.c. vacuum)

Note: For SSPs located in accessible crawlspaces with EPDM membrane, use the crawlspace field form to record the SSP manometer reading.

SSP #	1	2	3	4	5	6	
Manometer Reading (Prior Commissioned)	2 5/8	2 3/4	2 5/8	2 7/8	2 1/8	2 7/8	
Manometer Reading (As Found)	2 5/8	2 3/4	2 5/8	2 7/8	3	2 7/8	
Meet Criteria?*	Yes	Yes	Yes	Yes	Yes	Yes	
Manometer Reading (As Left)	2 5/8	2 3/4	2 5/8	2 7/8	3	2 7/8	

## Fan System Inspection

	As Found	As Left
Is fan cover still present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Each fan mounted securely?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Coupling connections secure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Is excessive noise heard when fan is running?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Switch is locked in the ON position?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Is set point indicated on speed controller?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Has fan been in continuous operation since previous visit?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Is the pipe penetration sealed on the structure's exterior?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Is the downspout/PVC junction sufficiently sealed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Is conduit penetration sealed on the structure's exterior?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Each fan runs when switch is ON position?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Each fan stops when switch is in OFF position?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Does the condensate line appear to be functioning correctly?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Is each fan below its maximum vacuum?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC

(HP220 = 2.5" w.c., GP501 = 4.25" w.c., FR-250 = 2.6" w.c., HS-5000 = 53" w.c.)

If fan vacuum is at maximum, measure velocity at each SSP (record below).

SSP #							
Velocity at SSP (As Found)							
Velocity at SSP (As Left)							

Does the SSP velocity meet criteria (&gt; 1 ft/min)?

☐ Yes ☐ No ☒ NA ☐ Yes ☐ No ☐ UC

## Electrical System Inspection

Are all electrical connections secure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Each junction box closed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Conduit/Wire properly supported?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Are audible alarm(s) present and working properly?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Are appliances affected by fan operation?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC

## Labeling Inspection

Correct labels applied in proper location? ***	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Are labels still legible?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Is SSDS breaker identified in the electrical panel?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC
Commissioned value written on SSP sticker?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> UC

## Comments/Corrective Action

\* As Found conditions = before corrective action. [NA = Not Applicable]

\* As Left conditions = after corrective action. [UC = Unchanged from As Found conditions]

\*\* Criteria is met if deviation is less than or equal to 0.25"wc (for all fans with the exception of the HS-5000). For an HS-5000 fan, criteria is met if deviation is less than or equal to 10% of the prior commissioned value or less than or equal to 0.25"wc, whichever is greater.

If deviation exceeds criteria (0.25"wc or 10% of prior commissioned value, as applicable), conduct communication testing and document on Re-Commissioning Field Form.

\*\*\* Correct labels are at least one green label per floor and one white sticker at every suction point.



## System Inspection Field Form

## PIPING, SLAB AND WALL

Routine or Non-Routine (circle one)

Address:

4566 WaterHouse Rd

Structure ID #:

Eagle Com

Performed by:

Mark Tucker

Date: 10-26-2018

## Piping Check

- System suction point seals are accessible?  
 System suction points are sealed to the slab?  
 Each component is installed?  
 Piping system is properly supported (6'-horizontal/8'-vertical)  
 Excessive noise is heard in piping joints?  
 Smoke 10% of all pipe joints and/or piping modifications?  
 Did smoke enter joints? \*\*

## As Found

- ☒ Yes ☐ No  
☒ Yes ☐ No  
☒ Yes ☐ No  
☒ Yes ☐ No  
☐ Yes ☒ No  
☐ Yes ☒ No  
☐ Yes ☒ No

## As Left

- ☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC

## Floor Check

- Are areas of the slab not visible (e.g. floor covering)?  
 Are areas of the slab not accessible (e.g. stored items)?  
 Were drawing-identified slab crack repairs/modifications smoke tested?  
 Did smoke enter? \*\*  
 Are other cracks present that did not draw smoke?  
 Are other cracks present that did draw smoke? \*\*  
 Were newly identified slab cracks indicated on drawing?  
 Check and clean Dranjer(s)?  
 Smoke Dranjer(s)?

- ☒ Yes ☐ No  
☒ Yes ☐ No  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☒ No ☐ NA  
☐ Yes ☒ No ☐ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA

- ☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC

## Wall Check

- Are areas of the walls not visible (e.g. finished walls)?  
 Are areas of the walls not accessible (e.g. stored items)?  
 Were drawing-identified wall crack repairs/modifications smoke tested?  
 Did smoke enter wall crack(s)? \*\*  
 Are other wall cracks/penetrations present that did not draw smoke?  
 Are other wall cracks/penetrations present that did draw smoke? \*\*  
 Were newly identified wall cracks indicated on drawing?  
 Is top course of block wall open?  
 Smoke top course of block wall (open-top block only)?  
 Did smoke enter top course? \*\*  
 Are utility penetrations sealed so they don't draw smoke?

- ☒ Yes ☐ No  
☒ Yes ☐ No  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☒ No ☐ NA  
☐ Yes ☒ No ☐ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA

- ☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC

## Sump Check

- Have any non-approved modifications been made to sump cover?  
 Is sump cover structurally sound?  
 Verify integrity of sump cover seal?  
 Does sealed sump cover draw smoke? \*\*

- ☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA  
☐ Yes ☐ No ☒ NA

- ☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC

## Exhaust Stack Check

- Distance above eave  
 Distance from nearest opening  
 Distance above nearest opening

Commissioned distance:

&gt; 1'

Commissioned distance:

&gt; 10'

Commissioned distance:

&gt; 2'

- Are vertical exhaust stack supports installed every 8' maximum?  
 Distances from stack exhaust to openings appear to be unchanged?

- ☒ Yes ☐ No ☐ NA  
☒ Yes ☐ No

Criteria: ≥ 1 ft

Criteria: ≥ 10 ft

Criteria: ≥ 2 ft

- ☐ Yes ☐ No ☒ UC  
☐ Yes ☐ No ☒ UC

\*\*\* If the existing exhaust stack is modified and/or removed and replaced as part of non-routine system maintenance, complete the "Stack Modification Field Form" and attach

## Comments

## Notes:

- \* As Found conditions = before corrective action. [NA = Not Applicable]  
 \* As Left conditions = after corrective action. [UC = Unchanged from As Found conditions]  
 \*\* If answered YES to this question, perform corrective action and re-test.



## System Inspection Field Form

CRAWLSPACE

Routine or Non-Routine (circle one)

Address:

4566 Waterhouse Rd

Structure ID #:

Eagle Com

Performed by:

M. Tucker

Date:

10-26-2018

Inaccessible Crawlspace (Ventilation)

☒ NA

As Found*	Crawlspace 1	Crawlspace 2	Crawlspace 3	Crawlspace 4
SSP#				
Target Velcocity (fpm)				
Measured Velocity (fpm)				
Meets Criteria? **				

As Left*	Crawlspace 1	Crawlspace 2	Crawlspace 3	Crawlspace 4
SSP#				
Target Velcocity (fpm)				
Measured Velocity (fpm)				
Meets Criteria? **				

Is sampling port to Inaccessible crawl space threaded with a plug?

☐ Yes☐ No☐ Yes☐ No☐ UC

Accessible Crawlspace (Sub-Membrane Depressurization)

☐ NA

As Found*	Crawlspace 1	Crawlspace 2	Crawlspace 3	Crawlspace 4
SSP#				
Prior Commissioned Manometer reading ( " w.c.)				
As found Manometer reading ( " w.c.)				

As Left*	Crawlspace 1	Crawlspace 2	Crawlspace 3	Crawlspace 4
SSP#				
Manometer reading ( " w.c.)				

## Accessible Crawlspace Performance Inspection

## As Found

## As Left

Was each membrane joint smoke tested?

☐ Yes☐ No☐ Yes☐ No☐ UC

Did smoke enter? \*\*\*

☐ Yes☐ No☐ Yes☐ No☐ UC

Was the membrane perimeter smoke tested?

☐ Yes☐ No☐ Yes☐ No☐ UC

Did smoke enter? \*\*\*

☐ Yes☐ No☐ Yes☐ No☐ UCIs the suction point manometer(s) reading  $\leq -1/10$ " w.c.?\*\*\*\*☐ Yes☐ No☐ Yes☐ No☐ UC

Comments

\* As Found conditions = before corrective action. [NA = Not Applicable]

\* As Left conditions = after corrective action. [UC = Unchanged from As Found conditions]

\*\* Inaccessible Crawlspace Criteria: Measured velocity  $\geq 90\%$  of Target Velocity (adjust if  $>110\%$  of target velocity)

\*\*\* If answered YES to this question, perform corrective action and re-test.

\*\*\*\* If answered NO to this question, adjust valve accordingly and re-check all SSP and fan readings.