O'BRIEN & GERE

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SPILL PREVENTION & RESPONSE
REGION 7 - FACILITY

System Inspection Field Form

STRUCTURE INSPECTION

Routine or Non-Routine (circle one)

Address: 4516 Waterhouse Rd. Clay, NY **Structure ID #:** Eagle Controlics

Performed by: Sean Magari / Mark Tucker **Date:** 10-3-2016

Have the following items changed since the last visit?

	Yes	No
Building Foot Print		✓
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/A
Was a Service Call filed for items that could not be addressed during this visit?	☐ Yes	☑ No	☑ N/A

Comments

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System Inspection Field Form

FAN AND ELECTRICAL

Routine or Non-Routine (circle one)

Address: 4516 Waterhouse rd. Structure ID #: Eagle Comtronics

Performed by: Magari / Tucker Date: 10-3-16

Equipment Documentation

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

Fan #	HP-220	–	HP-220				
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 3/4	2 7/8	2 3/4	2 3/4	2 7/8	2 3/4	
Manometer Reading (As Found)	2 5/8	2 3/4	2 3/4	2 7/8	2 7/8	2 7/8	
Meet Criteria?**	Yes	Yes	Yes	Yes	Yes	Yes	
Manometer Reading (As Left)	2 5/8	2 3/4	2 3/4	2 7/8	2 7/8	2 7/8	

Fan System Inspection	As Found			As Left		
Is fan cover still present?	☒ Yes	☐ No	☐ NA	☐ Yes	☐ No	☑ UC
Each fan mounted securely?	☒ Yes	☐ No		☐ Yes	☐ No	☑ UC
Coupling connections secure?	☒ Yes	☐ No		☐ Yes	☐ No	☑ UC
Is excessive noise heard when fan is running?	☐ Yes	☒ No		☐ Yes	☐ No	☑ UC
Switch is locked in the ON position?	☒ Yes	☐ No *	☑ NA	☐ Yes	☐ No	☑ UC
Is set point indicated on speed controller?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Has fan been in continuous operation since previous visit?	☐ Yes	☒ No		☐ Yes	☐ No	☑ UC
Is the pipe penetration sealed on the structure's exterior?	☐ Yes	☐ No	☑ NA *	☐ Yes	☐ No	☑ UC
Is the downspout/PVC junction sufficiently sealed?	☐ Yes	☐ No	☑ NA *	☐ Yes	☐ No	☑ UC
Is conduit penetration sealed on the structure's exterior?	☐ Yes	☐ No	☐ NA *	☐ Yes	☐ No	☑ UC
Each fan runs when switch is ON position?	☐ Yes	☐ No *		☐ Yes	☐ No	☑ UC
Each fan stops when switch is in OFF position?	☐ Yes	☐ No *		☐ Yes	☐ No	☑ UC
Does the condensate line appear to be functioning correctly?	☐ Yes	☐ No *		☐ Yes	☐ No	☑ UC
Is each fan below its maximum vacuum?	☐ Yes	☐ No *		☐ Yes	☐ No	☑ 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 (> 1 ft/min)?	☐ Yes	☐ No	☐ NA *	☐ Yes	☐ No	☐ UC

Electrical System Inspection

Are all electrical connections secure?	☐ Yes	☐ No *		☐ Yes	☐ No	☑ UC
Each junction box closed?	☐ Yes	☐ No *		☐ Yes	☐ No	☑ UC
Conduit/Wire properly supported?	☐ Yes	☐ No *		☐ Yes	☐ No	☑ UC
Are audible alarm(s) present and working properly?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Are appliances affected by fan operation?	☐ Yes	☑ No		☐ Yes	☐ No	☑ UC

Labeling Inspection

Correct labels applied in proper location? ***	☑ Yes	☐ No		☐ Yes	☐ No	☐ UC
Are labels still legible?	☑ Yes	☐ No		☑ Yes	☐ No	☐ UC
Is SSDS breaker identified in the electrical panel?	☑ Yes	☐ No		☑ Yes	☐ No	☐ UC
Commissioned value written on SSP sticker?	☑ Yes	☐ No		☐ Yes	☐ No	☐ UC

Comments/Corrective Action

Replaced H.P 220 #1 with identical fan Motor after Motor failure on 9-27-2016.

* 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.

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System Inspection Field Form

PIPING, SLAB AND WALL

Routine or Non-Routine (circle one)

Address: 4566 Waterhouse rd. Structure ID #: Eagle Controvics

Performed by: Magari / Tucker Date: 10-3-2016

	As Found			As Left		
Piping Check						
System suction point seals are accessible?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
System suction points are sealed to the slab?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Each component is installed?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Piping system is properly supported (6'-horizontal/8'-vertical)	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Excessive noise is heard in piping joints?	☐ Yes	☑ No		☐ Yes	☐ No	☑ UC
Smoke 10% of all pipe joints and/or piping modifications?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Did smoke enter joints? **	☐ Yes	☑ No		☐ Yes	☐ No	☑ UC
Floor Check						
Are areas of the slab not visible (e.g. floor covering)?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Are areas of the slab not accessible (e.g. stored items)?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Were drawing-identified slab crack repairs/modifications smoke tested?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Did smoke enter? **	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Are other cracks present that did not draw smoke?	☑ Yes	☐ No	☐ NA	☐ Yes	☐ No	☑ UC
Are other cracks present that did draw smoke?**	☐ Yes	☑ No	☐ NA	☐ Yes	☐ No	☑ UC
Were newly identified slab cracks indicated on drawing?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Check and clean Dranjer(s)?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Smoke Dranjer(s)?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Wall Check						
Are areas of the walls not visible (e.g. finished walls)?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Are areas of the walls not accessible (e.g. stored items)?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Were drawing-identified wall crack repairs/modifications smoke tested?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Did smoke enter wall crack(s)? **	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Are other wall cracks/penetrations present that did not draw smoke?	☐ Yes	☑ No	☐ NA	☐ Yes	☐ No	☑ UC
Are other wall cracks/penetrations present that did draw smoke?**	☐ Yes	☑ No	☐ NA	☐ Yes	☐ No	☑ UC
Were newly identified wall cracks indicated on drawing?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Is top course of block wall open?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Smoke top course of block wall (open-top block only)?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Did smoke enter top course? **	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Are utility penetrations sealed so they don't draw smoke?	☑ Yes	☐ No		☐ Yes	☐ No	☑ UC
Sump Check						
Have any non-approved modifications been made to sump cover?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Is sump cover structuralty sound?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Verify integrity of sump cover seal?	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC
Does sealed sump cover draw smoke? **	☐ Yes	☐ No	☑ NA	☐ Yes	☐ No	☑ UC

Exhaust Stack Check

Distance above eave	Commissioned distance: > 1'			Criteria: ≥ 1 ft		
Distance from nearest opening	Commissioned distance: > 10'			Criteria: ≥ 10 ft		
Distance above nearest opening	Commissioned distance: > 2'			Criteria: ≥ 2 ft		
Are vertical exhaust stack supports installed every 8' maximum?	☑ Yes	☐ No	☐ NA	☐ Yes	☐ No	☑ UC
Distances from stack exhaust to openings appear to be unchanged?	☑ Yes	☐ No		☐ 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.

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System Inspection Field Form

CRAWLSPACE

Routine or Non-Routine (circle one)

Address: 4566 Waterhouse rd, **Structure ID #:** Eagle Controvics

Performed by: Magari / Tucker **Date:** 10-3-2016

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	☐ UC
Is the suction point manometer(s) reading ≤ -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 ≥ 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.**