

**Notice:** In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain vapor-related continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31-19.39, Wis. Stats.].


**Directions:** This form was developed to provide the results of a site inspection of a vapor related continuing obligation, typically a vapor mitigation system. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. The closure letter may be found in the database, [BRRTS on the Web](#), by searching for the site using the BRRTS ID number, and then looking in the "Action" section, for code 56.

Activity (Site) Name: Susie's Restaurant

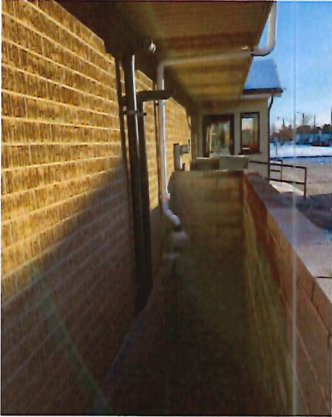
BRRTS No. 02-36-000516



Date of Inspection: 9/29/2021 **Inspection of VMS at 2604 Custer Street performed by Josie Schultz, DNR**

When submittal of this form is required, submit an electronic version or a scanned copy of this completed form to the [RR Submittal Portal](#).

SYSTEM COMPONENT NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	DATE:	WHAT TO FIX?
<b>Manometer or Differential Pressure Gauge</b>	Measures differential pressure between vacuum side of vent pipe and indoor space.  This measurement confirms there is a vacuum being pulled by the fan.	Liquid Level on Manometer or Gauge  1.2"	Liquid level in manometer should be offset (not level with each other).		A change in liquid level indicates a change in the vacuum below foundation. This could be caused by failure of fan, blockage of vent pipe, change in water level below building, or other conditions.  Hire a professional to identify cause and repair if needed.
PHOTO 			<b>NOTES:</b> (Record the reading on the gauge. Identify specific building and location description:) <input type="checkbox"/> Not Applicable The manometer and vacuum alarm are located on Pickup Point No. 1 at the north end of the Golden Flame Restaurant basement. When the system was started up in October 2019 the manometer read 1.4 inches of water column (WC). The fan is capable of pulling up to approximately 4 inches of WC vacuum. The system should be inspected for leaks or other issues if the vacuum falls below approximately 0.5 inches WC.  Good - 1.2" measured		

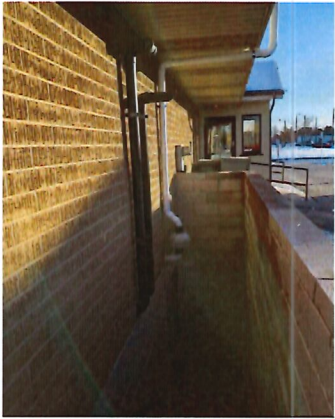
SYSTEM COMPONENT		WHAT DO I CHECK?	WHAT SHOULD I SEE?	DATE:
NAME	WHAT DOES IT DO?			WHAT TO FIX?
Fan	<p>Fan creates a vacuum and lowers pressure below foundation.</p> <p>The fan also removes soil gases from below foundation for discharge to atmosphere.</p>	<p>Fan Operation</p> <p>Fan Location</p> <p>Motor Noise</p>	<p>Fan is on.</p> <p>Fan mounted outside &amp; secure.</p> <p>Fan motor is quiet (loud motor may indicate problem).</p>	<p>Replace the fan immediately once the fan stops running. Fans typically run for 10-20 years, but it may be less.</p> <p>Replacement fan to have similar specifications as original with respect to flow and vacuum.</p> <p>After a fan is replaced, the system should be evaluated by a mitigation professional to verify effectiveness, which includes pressure readings.</p> <p><b>The fan is an AMG Eagle radon fan.</b></p>
PHOTO		<p><b>NOTES:</b> (Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p> <p>The fan is located on the exterior of the Golden Flame Restaurant building near the northwest corner of the building.</p> <p><i>On + Running, quiet not noisy</i></p>		



SYSTEM COMPONENT		WHAT DO I CHECK?	WHAT SHOULD I SEE?	DATE:
NAME	WHAT DOES IT DO?			WHAT TO FIX?
<b>Suction Drop Point w/ Vent Pipe</b> <b>Suction Point :</b> Soil gases are collected in a void space below the foundation, and tight seal prevents soil gas from getting inside the home. <b>Vent Pipe:</b> Pipe conveys the vacuum from the fan, and collects soil gases for discharge to the atmosphere.		Suction Point Seal  Vent Pipe Condition	Seal is air tight around pipe penetration.  Vent pipe is connected to fan, has not cracked.	Suction point seal or vent pipe may need to be sealed or replaced if cracks or leaks appear.  If any piping or sealing of the system is altered or replaced, the system should be evaluated by a mitigation professional to verify effectiveness, which includes pressure readings.
PHOTO 		<b>NOTES:</b> (Identify specific building and location description:) <input type="checkbox"/> Not Applicable Pickup Point No. 1 is located in the north end of the Golden Flame Restaurant basement.  Sealed, not cracked, vent pipe in good condition		
<b>Sealed Sump w/Vent Pipe</b> <b>Sump Cover:</b> Soil gases are collected in sump and the cover prevents soil gas from getting inside home. <b>Vent Pipe:</b> Pipe transports the soil gas from the sump for discharge to the atmosphere.		Suction Point Seal  Vent Pipe Seal Condition	Seal is airtight to floor.  Vent pipe is connected to the sump cover and is not cracked.	Sump cover or vent pipe may need to be sealed or replaced if cracks or leaks appear.  If any piping or sealing of the system is altered or replaced, the system should be evaluated by a plumber or a mitigation professional to verify effectiveness, which includes pressure readings.
PHOTO 		<b>NOTES:</b> (Identify specific building and location description:) <input type="checkbox"/> Not Applicable Pickup Point No. 2 is located in the south end of th Golden Flame Restaurant basement.  sealed, not cracked vent pipe in good condition		

SYSTEM COMPONENT				DATE:
NAME	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	WHAT TO FIX?
Outdoor Vent Pipe	Pipe transports the soil gas from beneath the foundation for discharge to the atmosphere.	Vent Pipe Condition  Vent Pipe Location	Vent pipe remains connected to fan. End of pipe free from obstructions. The exhaust is more than 15 feet from windows or air intakes.	Vent pipe may require replacement, or cleaning to remove ice or debris. If any piping or sealing of the system is altered or replaced, the system should be evaluated by a mitigation professional to verify effectiveness, which includes pressure readings.

PHOTO



NOTES: (Identify specific building and location description:)

Not Applicable

The outdoor vent pipe is located on the exterior of the Golden Flame Restaurant building near the northwest corner of the building.

good, not cracked, connected to fan, same location

Foundation Floor	Foundation is a barrier that minimizes soil gas entry into building, and helps fan to work efficiently.	Foundation Condition  Foundation Footprint	No penetrating cracks or holes in foundation.  Check if there have been alterations or additions to building or footprint.	Seal cracks or other penetrations as you would to prevent water from entering.  If building floor plan has changed, notify DNR and contact a mitigation professional to evaluate if modifications to the vapor mitigation system are necessary.
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PHOTO



NOTES: (Identify specific building and location description:)

Not Applicable

The Golden Flame Restaurant basement floor shall be maintained.

no cracks, good condition

SYSTEM COMPONENT	WHAT DOES IT DO?	WHAT DO I CHECK?	WHAT SHOULD I SEE?	DATE:	WHAT TO FIX?
NAME					
Sub Slab Vapor Port	This is a sample port to measure vacuum or take sample of soil gas if needed. It needs to remain sealed when not in use to prevent soil gas entry into the home.	Port Seal/Cap  Port Condition	If able to measure the vacuum with a micromanometer, the pressure differential should be at least 0.004 inches of H <sub>2</sub> O or at least one Pascal.  Port is sealed and capped when not in use.		Repair or replace the seal and cover as needed.  Permanently seal hole if sample port is ever removed.
PHOTO				<p>NOTES: (If taken, record the pressure differential reading. Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p> <p>Sub-slab Vacuum Observation Point No. 1 located in northeast corner of Golden Flame Restaurant basement.</p> <p>missing cap, but white seal still in tact  vacuum not measured</p>	
Sub Slab Vapor Port	This is a sample port to measure vacuum or take sample of soil gas if needed. It needs to remain sealed when not in use to prevent soil gas entry into the home.	Port Seal/Cap  Port Condition	If able to measure the vacuum with a micromanometer, the pressure differential should be at least 0.004 inches of H <sub>2</sub> O or at least one Pascal.  Port is sealed and capped when not in use.		Repair or replace the seal and cover as needed.  Permanently seal hole if sample port is ever removed.
PHOTO				<p>NOTES: (If taken, record the pressure differential reading. Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p> <p>Sub-slab Vacuum Observation Point No. 2 located in northeast corner of Golden Flame Restaurant basement in wash/storage room.</p> <p>missing cap, white seal still in tact  vacuum not measured</p>	

SYSTEM COMPONENT		WHAT DO I CHECK?	WHAT SHOULD I SEE?	DATE:
NAME	WHAT DOES IT DO?			WHAT TO FIX?
Sub Slab Vapor Port	This is a sample port to measure vacuum or take sample of soil gas if needed. It needs to remain sealed when not in use to prevent soil gas entry into the home.	Port Seal/Cap	If able to measure the vacuum with a micromanometer, the pressure differential should be at least 0.004 inches of H <sub>2</sub> O or at least one Pascal.	Repair or replace the seal and cover as needed.
		Port Condition	Port is sealed and capped when not in use.	Permanently seal hole if sample port is ever removed.
PHOTO		<p><b>NOTES:</b> (If taken, record the pressure differential reading. Identify specific building and location description:)</p> <p><input type="checkbox"/> Not Applicable</p> <p>Sub-slab Vacuum Observation Point No. 3 located in southeast corner of Golden Flame Restaurant basement.</p> <p>Good, not missing cap white seal in tact vacuum not measured</p>		

