

Former Quick Cleaners
 530 Franklin Street
 Oconomowoc, WI 53066

| SYSTEM COMPONENT | | WHAT DOES IT DO? | WHAT DO I CHECK? | WHAT SHOULD I SEE? | WHAT TO FIX? | SEMI-ANNUAL INSPECTION | | | | | |
|---|---|--|---------------------------|---|--|------------------------|-------|-----------|-------|-----------|-------|
| NAME | PHOTO | | | | | DATE | NOTES | DATE | NOTES | DATE | NOTES |
| Fan - East side of building |  | Fan creates a vacuum and lowers pressure below foundation. The fan also removes soil gases from below foundation for discharge to atmosphere. | Fan Operation | Fan is on | Fan may need to be replaced every 15 to 20 years. Replacement fan to have similar specifications as original with respect to flow and vacuum. ORIGINAL = RP 265 M/N 23033-2 | 3/12/2020 | OK | 9/23/2020 | OK | 4/11/2021 | OK |
| | | | Fan Location | Fan mounted outside & secure | | | | | | | |
| | | | Motor Noise | Fan motor is quiet (loud motor may indicate problem) | | | | | | | |
| Fan - west side of the building |  | Fan creates a vacuum and lowers pressure below foundation. The fan also removes soil gases from below foundation for discharge to atmosphere. | Fan Operation | Fan is on | Fan may need to be replaced every 15 to 20 years. Replacement fan to have similar specifications as original with respect to flow and vacuum. ORIGINAL = RP 265 M/N 23033-2 | 3/12/2020 | OK | 9/23/2020 | OK | 4/11/2021 | OK |
| | | | Fan Location | Fan mounted outside & secure | | | | | | | |
| | | | Motor Noise | Fan motor is quiet (loud motor may indicate problem) | | | | | | | |
| Suction Drop Point w/Vent Pipe (two systems in building) |  | Suction Pit: Soil gases are collected in a pit below the foundation, and tight seal prevents soil gas from getting inside home. Vent Pipe: Pipe conveys the vacuum from the fan, and collects soil gases for discharge to the atmosphere. | Suction Pit Seal | Seal is air tight around pipe penetration. | Suction pit seal or vent pipe may need to be sealed or replaced if cracks or leaks appear. See NOTE below regarding pipe alternations. Have professional test pressures if pipes are modified | 3/12/2020 | OK | 9/23/2020 | OK | 4/11/2021 | OK |
| | | | Vent Pipe Condition | Vent pipe is connected to fan, has not cracked | | | | | | | |
| | | | | | | | | | | | |
| Manometer or Differential Pressure Gauge (one on each vent pipe) |  | 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 | Liquid level in manometer is between 0.1 and 0.03 on the Right-hand side. | 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. Troubleshoot or hire professional to identify cause and repair if needed. | 3/12/2020 | OK | 9/23/2020 | OK | 4/11/2021 | OK |
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| Outdoor Vent Pipe (one on the west side of the building and one on the east side of the building) |  | Pipe carries soil gas outside and vents them to the atmosphere. | Vent Pipe Condition | The vent pipe extends above the roof line. The vent pipes should be inspected to verify that they are free of debris, such as snow, ice and leaves. | Vent pipe may require replacement, or cleaning to remove ice or debris. See NOTE below regarding pipe alternations. Have professional test pressures if pipes are modified. | 3/12/2020 | OK | 9/23/2020 | OK | 4/11/2021 | OK |
| | | | Vent Pipe Location | | | | | | | | |
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| Foundation Floor |  | Foundation is a barrier that minimizes soil gas entry into building, and helps fan to work efficiently. | Foundation Condition | | Seal cracks or other penetrations as you would to prevent water from entering. If building floor plan has changed, contact a professional contractor and/or the DNR to evaluate if modifications to the vapor mitigation system are necessary. | 3/12/2020 | OK | 9/23/2020 | OK | 4/11/2021 | OK |
| | | | Foundation Footprint | | | | | | | | |
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NOTE: Minimize alternations to vent pipes. Changes to fittings, diameter, material type, or number of bends, can cause pressure losses that make system less effective.