Standalone Event – Site Visit Diagnostic Tests

- The MN Weatherization Field Guide- *SWS Aligned Edition* can be found in Appendix B.
- CAZ Depressurization tests are not required in dwellings where all space and water heating plants are electric.

**General Tests**
- Ambient CO test in kitchen and living area *(8.1 MN Weatherization Field Guide)*

**Water Heater**
- Test for Fuel Leaks *(8.1 MN Weatherization Field Guide)*
- Water Heater Combustion Analysis/CO in Flue *(8.1 MN Weatherization Field Guide)*
  - PVC test holes must be plugged with threaded, gnarled screws to create a tight seal
- CAZ Depressurization Test *(BPI 1200 Testing Standard, 8.1 MN Weatherization Field Guide)*
- Combustion Spillage Test *(BPI 1200 Testing Standard, 8.1 MN Weatherization Field Guide)*
- Hot Water Temperature *(10.4 MN Weatherization Field Guide)*

**Heating Plant**
- Test for Fuel Leaks *(8.1 MN Weatherization Field Guide)*
- Heating Plant Combustion Analysis/CO in Flue *(8.3 MN Weatherization Field Guide)*
  - PVC test holes must be plugged with threaded, gnarled screws to create a tight seal
  - When a heating system manufacturer does not allow drilling of a metal flue, use a combustion analyzer to test ambient CO at the front of the heating system cabinet and in the closest supply register.
- CAZ Depressurization Test *(BPI 1200 Testing Standard, 8.1 MN Weatherization Field Guide)*.
- Combustion Spillage Test *(BPI 1200 Testing Standard, 8.1 MN Weatherization Field Guide)*
- Test Furnace Shutoff Switch *(8.5 MN Weatherization Field Guide)*
- Heat Rise Test on Furnace *(8.3.1 MN Weatherization Field Guide)*
- Ambient CO Test in Mechanical Room and Living Space *(8.1 MN Weatherization Field Guide)*
- Heat Exchanger Integrity Test beyond visual *(8.7 MN Weatherization Field Guide)*

**Space Heater (including gas fireplaces)**
- Test for Fuel Leaks *(8.1 MN Weatherization Field Guide)*
- Combustion Analysis/CO in Flue (as feasible) *(8.4 MN Weatherization Field Guide)*
- CAZ Depressurization Test *(BPI 1200 Testing Standard, 8.4 MN Weatherization Field Guide)*
- Combustion Spillage Test (as feasible) *(BPI 1200 Testing Standard, 8.4 MN Weatherization Field Guide)*