Standalone Event – Quality Control Inspection Tests

- The MN Weatherization Reference Guide - Saturn Resource Management 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 *(BPI 1200 - 2017, 7.3.3)*

- **Water Heater**
  - Test for Fuel Leaks *(BPI 1200 - 2017, 7.5)*
  - Water Heater Combustion Analysis/CO in Flue *(8.3 MN Weatherization Reference Guide, BPI 1200 - 2017, Table 1 for CO thresholds, or AHJ whichever is more stringent)*
    - PVC test holes must be plugged with threaded, gnarled screws to create a tight seal
  - CAZ Depressurization/Combustion Spillage Test. This test required on natural draft appliances equipped with a barometric draft control or Category I appliances equipped with a draft hood or connected to a natural draft venting system. *(BPI 1200 - 2017, 7.9)*
  - Hot Water Temperature (if replaced or repaired) *(10.4 MN Weatherization Reference Guide)*

- **Heating Plant**
  - Test for Fuel Leaks *(BPI 1200 - 2017, 7.5)*
  - Heating Plant Combustion Analysis/CO in Flue *(8.1 MN Weatherization Reference Guide, BPI 1200 - 2017, Table 1 for CO thresholds, or AHJ whichever is more stringent)*
    - 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/Combustion Spillage Test. This test required on natural draft appliances equipped with a barometric draft control or Category I appliances equipped with a draft hood or connected to a natural draft venting system. *(BPI 1200 - 2017, 7.9)*
  - Test Furnace Shutoff Switch *(8.5 MN Weatherization Reference Guide)*
  - Heat Rise Test on Furnace *(8.3.1 MN Weatherization Reference Guide)*
  - Ambient CO Test in Mechanical Room(s) and Living Space *(BPI 1200 - 2017, 7.3.3)*
  - Smoke Test on Oil Furnace/Oil Water Heater (on units that have been repaired or replaced) *(8.6 MN Weatherization Field Guide)*

- **Space Heater (including gas fireplaces)**
  - Test for Fuel Leaks *(BPI 1200 - 2017, 7.5)*
  - Combustion Analysis/CO in Flue (As feasible) *(8.1 MN Weatherization Reference Guide, BPI 1200 - 2017, Table 1 for CO thresholds, or AHJ whichever is more stringent)*
  - CAZ Depressurization/Combustion Spillage Test. (As feasible) This test required on natural draft appliances equipped with a barometric draft control or Category I appliances equipped with a draft hood or connected to a natural draft venting system. *(BPI 1200 - 2017, 7.9)*