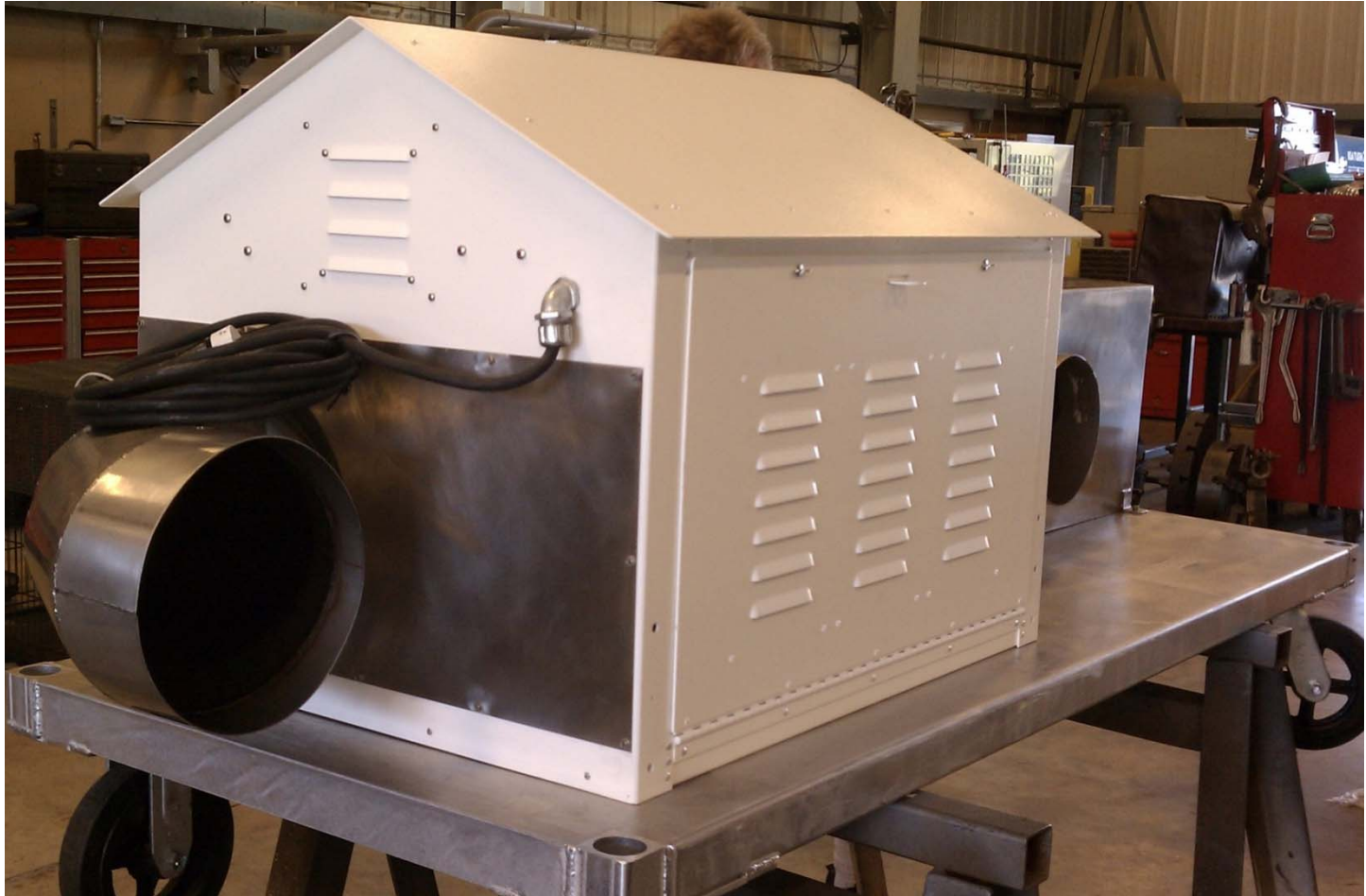


Update of Portable ANSI N13.1 Sampling

Emission Calculation



Method of Calculation

- Emission equals [dpm on filter] * [stack flow/sample flow]
- No concentration - means stop/start times/dates N/A
- Must ensure T and P corrections
- Design puts sample point at same T and P as stack flow probe
- Must also ensure transmission efficiency accurate
- Nature of portable use means variable stack flow

Transmission Efficiency

- Use conservative efficiency for range of flow rate
- ANSI N13.1 addresses accuracy but does not explicitly allow conservatism
- Industry practice is conservative
- Typical activity on filter is LLD
- Only required surveillance is daily flow rates