**Grouped Gasses: Diesel Bus Emissions (City of ABQ)**

|  |  |  |
| --- | --- | --- |
| Assigned to: | Gas | Status Remarks |
| CR | CO |  |
|  | Hydrocarbons | Includes methane/butane/propane/hexane |
| TF | Nox | Includes nitrogen oxide, nitrogen dioxide.  8/31. Spec Sensor 110-507 for NO2. Completed first push of gas collection function to driver program. Started NO2 burn-in: 9/2 @9:30A |
|  | ~~CO~~~~2~~ | 8/31. Sensor returned to BR |
|  | SO2 |  |
| CR | PM | Particulate Matter. Sensor HM3301 |
| CR | O3 | Ozone. |

**Grouped Gasses: Fuse Welding Emissions**

|  |  |  |
| --- | --- | --- |
| Assigned to: | Gas | Status Remarks |
|  | Ozone |  |
| TF | ~~Nitrous Oxide~~ | N2O. Sensor MQ-135 (rated for indoor use only). Detects NH3 (ammonia), NOx, alcohol, Benzene, smoke, CO2, etc  8/31. Will research into source code & Fritz.  9/1. MQ-135 determined unable to detect N2O. Will select another gas. |
| CR | CO |  |
|  | CO2 | Check w/CR to verify MQ-135 code is usable to detect gas. Started Burn-in: 9/1 @ 9:30A |
| TF | NO | Nitrogen Oxide. Considering purchase from Spec Sensor. |

***What is in welding fume?***

Metals

Aluminum, Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Silver, Tin, Titanium, Vanadium, Zinc.

Gases•

Shielding—Argon, Helium, Nitrogen, *Carbon Dioxide*.

Process—*Nitric Oxide*, *Nitrogen Dioxide*, *Carbon Monoxide,* *Ozone*, Phosgene, Hydrogen Fluoride, *Carbon Dioxide*.