

**ECMPS Reporting Requirements Related to the Amendments to the Protocol Gas Verification Program and Minimum Competency Requirements for Air Emissions Testing**

**Table 2  
EFFECTIVE Q1 2013  
Gas Type Codes and Descriptions**

<b>Code</b>	<b>Description</b>
SO2	EPA Protocol Certified Gas Component SO <sub>2</sub>
NO	EPA Protocol Certified Gas Component NO
NO2	EPA Protocol Certified Gas Component NO <sub>2</sub>
NOX	EPA Protocol Certified Gas Component Total Oxides of Nitrogen
N2O	EPA Protocol Certified Gas Component Nitrous Oxide
CO2	EPA Protocol Certified Gas Component CO <sub>2</sub>
CO	EPA Protocol Certified Gas Component CO
O2	EPA Protocol Certified Gas Component O <sub>2</sub>
PPN	EPA Protocol Certified Gas Component Propane
CH4	EPA Protocol Certified Gas Component Methane
HE	EPA Protocol Certified Gas Component Helium
H2S	EPA Protocol Certified Gas Component Hydrogen Sulfide
BALA	Balance Gas is Air
BALN	Balance Gas is Nitrogen
APPVD	Other EPA-approved EPA Protocol gas blend (see note below). Do not report certified components when using this code.
AIR	Zero Air Material (instrument air with no cylinder and meeting the requirements of paragraphs (2) or (3) of the ZAM definition in § 72.2). This code is reported only when it is used as a high-level O <sub>2</sub> gas for an oxygen analyzer. Do not report AIR when used to zero an analyzer. Do not report certified components when using this code.
SRM	Standard reference material. Do not report certified components when using this code.
NTRM	NIST-traceable reference material. Do not report certified components when using this code.
GMIS	Gas manufacturer's intermediate standard. Do not report certified components when using this code.
RGM	Research gas mixture. Do not report certified components when using this code.
PRM	SRM-equivalent compressed gas primary reference material. Do not report certified components when using this code.
ZERO	Zero gas (meeting the definition of "Zero Air Material" in §72.2) used for the low level calibration of a reference analyzer used in RATA testing. Do not report certified components when using this code.

Note: If you use a blend of EPA Protocol gases that is not present in this table, you may report a value of "APPVD", but you will need to contact EPA before submitting the data in order to get permission to use this code.

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**Table 3 - FOR REFERENCE ONLY  
Gas Type Codes Crosswalk**

<b>Discontinued GasTypeCode</b>	<b>Equivalent One or More Certified Components</b>
AIR	AIR
APPVD	APPVD
GMIS	GMIS
NTRM	NTRM
PRM	PRM
RGM	RGM
SRM	SRM
ZERO	ZERO
CO2	CO2
N2C	CO,NO2
N2C2	CO2,NO2
N2CC	CO,CO2,NO2
NC	CO,NO
NC2	CO2,NO
NCC	CO,CO2,NO
NO	NO
NO2	NO2
NX	NO,NO2
NXC	CO,NO,NO2
NXC2	CO2,NO,NO2
NXCC	CO,CO2,NO,NO2
O2	O2
OC	CO,O2
OC2	CO2,O2
OCC	CO,CO2,O2
SC	CO,SO2
SC2	CO2,SO2
SN	NO,SO2
SN2	NO2,SO2
SN2C	CO,NO2,SO2
SN2C2	CO2,NO2,SO2
SN2CC	CO,CO2,NO2,SO2
SNC	CO,NO,SO2
SNC2	CO2,NO,SO2
SNCC	CO,CO2,NO,SO2
SNX	NO,NO2,SO2
SNXC	CO,NO,NO2,SO2
SNXC2	CO2,NO,NO2,SO2
SNXCC	CO,CO2,NO,NO2,SO2
SO	O2,SO2
SO2	SO2
SOC	CO,O2,SO2