

Shipping Gas Standard Cylinders to the Regional Analytical Verification Laboratories (RAVLS) for the Ambient Air- Protocol Gas Verification Program

Region 2 and 7 have set up the following dates for cylinder verifications in 2012:

Quarter	Region 2		Region 7	
	Cylinder Receipt	Analysis	Cylinder Receipt	Analysis
1	Feb 6 – Feb 10	Feb13 – Feb 17	Feb 27- Mar 2	Mar 5 - Mar 9
2	June 4 – June 8	June 11- June 15	Mau 29 – June 1	June 4- June 15
3	Aug 13 – Aug 17	Aug 20 – Aug 31	Aug 13 – Aug 17	Aug 20 – Aug 31
4	Nov 5 – Nov 9	Nov 12- Nov 16	Oct 29– Nov 2	Nov 5- Nov 16
Open House	December 5-6		November 27-29	
Shipping Address	Avraham Teitz USEPA Region 2 MS-220 2890 Woodbridge Avenue Edison, NJ 08837 732-906-6160		Thien Bui EPA Region 7 Science and Technology Center STC 300 Minnesota Avenue Kansas City, KS 66101 913-551-5062	

We are expecting cylinders to be delivered within the cylinder receipt date.

Protocol Gas Cylinder Requirements

The RAVL is expecting new unused gas cylinders with at least 6 months left in its certification period. Upon delivery from the specialty gas vendor to the monitoring organization, the gas cylinders **will not be used nor tested for any reason prior to shipping to the RAVL**. The cylinder valve should remain shrink wrapped. Cylinders are delivered with a certificate which includes a cylinder pressure. The pressure will be tested upon arrival at the RAVL to ensure changes to the cylinder pressure have not occurred.

Shipping

The RAVLs will be communicating with monitoring organizations prior to the quarterly verifications to set up an appropriate timetable for cylinder shipments.

In order to ship cylinders to EPA, monitoring organizations will need to be trained/certified for shipping hazardous materials under 49 CFR Part 172.704. OAQPS has provided online training free of charge to those needing this certification. Instructions for getting to the online training will be on AMTIC at <http://www.epa.gov/ttn/amtic/aapgv.html>

Send a chain of custody (COC) form (attached), the stamped cylinder numbers, the composition, the certificate of analysis and certified cylinder pressures to the RAVL. This information will be used by the laboratory to help to ensure that it receives and analyzes all the gases that are intended to be verified and no others.

Notify the RAVL the day that the protocol gases are shipped and email a copy of the COC to the RAVL. The COC can help the RAVL track the shipment

Ambient Air Protocol Gas Verification Program Chain of Custody Form

TO BE COMPLETED BY MONITORING ORGANIZATION

Cylinder Information

Monitoring Organization: _____ Point of Contact: _____

Primary Quality Assurance Organization Code : _____

Producer Name: _____ Producer Point of Contact: _____

Producer Manufacturing Location Address: _____

Producer Contact Phone Number: _____ Producer Contact E-Mail: _____

Specialty gas vendor has verified the standard by comparison to: SRM NTRM GMIS (circle one)

Stamped Cylinder #: _____ Pressure _____ psig					
Certification Expiration Date _____					
Constituents	SO2 (ppm)	NO (ppm)	CO2 (%)	O2 (%)	CO (ppm)
Certified Concentration					
Analytical Uncertainty					

Receipt Date of cylinder from supplier: _____ Received By: _____

Date Shipped to Laboratory: _____ Shipping Mode & Carrier: _____

Shipping Tracking #: _____

Send this COC form with cylinder, and email form to the laboratory.

TO BE COMPLETED BY RAVL

Upon Receipt:

Laboratory Receipt Date: _____ Received by: _____

Integrity Acceptable: Yes ___ No ___ Contents Information Correct: Yes ___ No ___

Cylinder valve shrink wrapped: Yes ___ No ___ CGA shrink wrap is intact: Yes ___ No ___

Certification Expiration Date: _____ Confirm cylinder pressure: _____ psig

Shipping to Monitoring Organization:

Confirm cylinder pressure: _____ psig (post verification)

Date Shipped to Monitoring Org: _____ Shipping Mode & Carrier: _____

Shipping Tracking #: _____

Send this COC form to EPA upon completion of the measurements and resolution of all verification-related