

## SUBSTANTIVE POLICY STATEMENT

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### Evaporative Integrity System Audit Procedure

Contact for information: Contract Compliance Unit

Issue Date: September 18, 2014

Next Review: September 18, 2015

#### General Description:

The Evaporative Integrity System Audit (EITS) consists of using a calibrated meter, to determine if the evaporative test system is functioning properly. By pressurizing the test system and watching the known value, of the system, to determine if the test system holds pressure during the emissions inspection.

#### Reference:

**§85.2235 Evaporative Test Quality Control Requirements  
(b) Evaporative System Pressure Checks**

#### Equipment Required:

1. Omega Meter & Pump
2. EITS Audit Report J:\AQD\VEI\G.D.A.T\Contract Compliance\FORMS\SSA\Eits Audit Form.docx
3. Notice of State Station Equipment Failure Report

#### Preparation:

Upon arrival at the contractor emissions inspection facility the state inspector shall notify the manager on duty, that the purpose of the visit is to perform and audit of the EITS system.

The state inspector will ask the manager to appoint an employ to assist with placement of equipment for the purpose of the audit.

#### Procedure for Auditing System Integrity:

1. Upon entering the inspection lane the state inspector will:  
**Turn on the Omega Meter**  
select inches of water  
select low range  
select Zero and hold until meter displays 0.0 or -0.0

*Note: If the Omega Meter displays -0.1, then 0.1 must be added to all readings taken from the Omega Meter.*

*Leave the Omega Meter on and allow the meter temperature to stabilize. Once the meter has stabilized the state inspector may begin the audit of the lane. Verify that Omega Meter is Zeroed.*

*Note\* Verify that the Omega Meter Pump bleed-off valve is OPEN.*

2. The state inspector will **begin the audit at position one or two** of the inspection lane by: **removing the EITS hose** from the gas cap adapter at the brass fitting **connecting the brass fitting to the EITS plug-off adapter.** (available at the station)
3. The Gordon Darby computer should display the system **MAIN MENU** screen.
  1. Press “**I**”**CALS/AUDITS**
  2. **TECH LOGIN** screen will be displayed) enter your **EMP(USER) ID** and press “**F2**”. This is your log-on.
5. Press “**I**”**Leak Check**
  1. **Automatic EITS zero will perform**
  2. **Cap EITS hose and press “F2”**
  3. **Enter EITS pressure at 50+/- .2 inches of water.**
  4. **Press “F2” to perform EITS leak check**

**The next screen that will appear will give the results of the leak check.**

7. Press “**ESC**” to return to **CALS/AUDIT Menu**

*If the EITS system passes the state inspector will go to step 8 of the EITS Audit.*

*If the EITS system fails the leaks check, repeat steps 1 through 7.*

If the **EITS system fails** again, the state inspector will fail the EITS unit and **fill out a Notice of State Station Equipment Failure Report.**

8. **Connect Omega Meter to EITS hose** from the gas cap adapter at the brass fitting (with bleed-off valve **OPEN**)

**Close** bleed-off valve on Omega Meter and allow **value** to stabilize.

9. **Press “E” to begin audit.**
  1. Automatic leak check is performed
  2. “The state inspector will use the **pump** on the Omega Meter to increase the value display to **14 – 14.5 inches of water.**
  3. **Enter Omega Meter value on Computer**
  4. **Press “F2” to begin audit.**
  5. Automatic EITS audit and zero will perform, and audit result will display
  6. Audit result must be less than +/- 0.2 inches of water or audit must be performed again

**The state inspector will record the displayed values on the EITS Audit Report.**

10. **Press “E” to begin audit.**

1. Automatic leak check is performed
2. “The state inspector will use the **pump** on the Omega Meter to increase the value display to **7 – 7.5 inches of water**.
3. **Enter Omega Meter value on Computer**
4. **Press “F2” to begin audit.**
5. Automatic EITS audit and zero will perform, and audit result will display
6. Audit result must be less than +/- 0.2 inches of water or audit must be performed again

**The state inspector will record the displayed values on the EITS Audit Report.**

If the pressure readings, **14 -14.5** and **7 - 7.5** are within specifications the audit will be a pass and completed.

If either of the readings are not within specifications the state inspector will repeat steps 9 through 15 of the audit.

If the readings are still **NOT** within specifications, the audit will be recorded on the EITS Audit Report, and the appropriate **State Station Equipment Failure Report(s)** will be written.

***This procedure will be performed on each EITS unit at every emissions inspection station in Area A***

Equipment Failure Re-Audits - Pursuant to Arizona Administrative Code R18-2-1025, the State Inspector shall provide a copy of the analyzer’s failing results to the station manager. Additionally, the contractor’s calibration audit of the analyzer shall be provided to the Department within three calendar days after the analyzer’s return to service. Upon receipt of the failure report and the contractor’s calibration audit a state inspector shall schedule a visit to the station and perform an audit. The audit shall be identified as a re-audit performance audit and reported in the compliance officer’s weekly report. The ICU audit supervisor shall report the audit(s) in the ICU weekly report.

Reporting - State Inspectors shall report any failures to the Contract Compliance Supervisor daily and the audit results weekly to the Contract Compliance Supervisor.