

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

ACTIVITY REPORT: Self Initiated Inspection

FY2015 Insp-

U6313001829443

FACILITY: Adams Oil, Inc. Mobil Gas Station	SRN / ID: U63130018
LOCATION: 49200 Grand River, Wixom	DISTRICT: Southeast Michigan
CITY: Wixom	COUNTY: OAKLAND
CONTACT:	ACTIVITY DATE: 05/05/2015
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance
SUBJECT: FY 2015 inspection of Gasoline Trailer and Gas Station: Adams Oil, Inc. Mobil Gas Station & Ott Trucking Company	
RESOLVED COMPLAINTS:	

U 63 13 0018, SAR - 2015 0505

File: Gas Stations  
Rules 336.1627, 336.1606 & 336.1703

**Subject to: Area NESHAP / MACT 6C, 40 CFR, Part 63, Subpart CCCCCC**—National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities (GDF). National Emission Standards for Hazardous Air Pollutants for Source Categories: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities; and Gasoline Dispensing Facilities, Page 1916, Federal Register / Vol. 73, No. 7 / Thursday, January 10, 2008 / Rules and Regulations/ Final rule. Amended at 73 FR 12276, March 7, 2008; 73 FR 35944, June 25, 2008; 76 FR 4181, January 24, 2011.

Page 12275 Federal Register / Vol. 73, No. 46 / Friday, March 7, 2008 / Rules and Regulations / Final rule; correction

Page 35939, Federal Register / Vol. 73, No. 123 / Wednesday, June 25, 2008 / Rules and Regulations / Direct final rule. amendments for GDF MACT 6C that EPA promulgated on January 10, 2008, and amended on March 7, 2008.

Page 4156, Federal Register / Vol. 76, No. 15 / Monday, January 24, 2011 / Rules and Regulations/ Final rule/; amendments for GDF MACT 6C that EPA promulgated on January 10, 2008, and amended on March 7, 2008.

The NESHAP / MACT is for each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank. AQD has decided not to take delegation of these standards and therefore no attempt has been made evaluate the gas station's compliance with NESHAP / MACT 6C.

Terminal:

NA

Transporter:

Ott Trucking Company  
7040 Fowlerville Road  
Fowlerville, Michigan 48836  
Phone: 517-223-7663 Ken Ott

**Gasoline Trailer License No.: A753087 Michigan  
Trailer No.: 1004**

**Driver: Mr. Kenneth Pudge Ott (DOB: 04/03/1955)**

**Gasoline Delivery at:**

**Adams Oil, Inc. Mobil Gas Station (U-63-13-0018)  
49200 Grand River Road  
Wixom, MI**

On May 05, 2015, I conducted a level-2 self-initiated inspection of the above Gasoline Trailer and Gas Station. The inspection was conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451; and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules (Rules 336.1627 & 336.1606 / 336.1703).

During the inspection, the truck driver assisted me.

Any existing gasoline tank (placed into operation before 07/01/79) shall comply with the requirements of Rule 606 (R336.1606). Any new gasoline tank (placed into operation on or after 07/01/79) shall comply with the requirements of Rule 703 (R336.1703). Both rules require a permanent submerged fill pipe, an interlocking system and a vapor balance system subject to throughput and capacity conditions described in the rules. Wayne, Oakland, Macomb, Washtenaw, St. Clair, Livingston, etc. counties of Southeast Michigan are required implement Stage I vapor recovery. Vapor balance system is required for all gasoline products but not for diesel.

When I arrived at the site in Wixom, the loading of the gas station tank (dropping a load) was in progress.

**One Co-axial and two Dual-point / Two-point** vapor and liquid line connections were used. Three liquid lines were connected: one liquid line with **Co-axial** valve and two liquid lines with **Dual-point / Two-point** valves / couplings were connected.

**Vapor manifold:** Manifold vapor line for simultaneous loading of multiple tanks.

**Vapor balance system:** During gasoline loading vapor balance system was operated properly. 2-inch diameter vapor line and 4-inch diameter liquid lines were connected (both **Co-axial and Dual-point / Two-point**).

The driver first connected a vapor lines (2-inch diameter line), which was connected to a vapor manifold, and then liquid (gasoline, 4-inch diameter line) lines before loading the underground tank. When a vapor balance system is connected properly, gasoline vapors from a gas station tank are expected to transfer to a trailer tank and not to ambient air; the trailer tank is expected to return vapors to a gasoline storage and distribution terminal.

Both **Co-axial and Dual-point / Two-point** valves are present at this gas station; this is unusual. Driver connected one **Co-axial** and two **Dual-point / Two-point** lines simultaneously resulting dropping product into three tanks at the same time.

**Spill containment / spill bucket:** All three buckets had water. I asked the driver to clean up water from the buckets.

**Submerged fill pipe:** As in most gas stations, submerged fill pipes were present.

**Rule 627:** Pursuant to Rule 336.1627, vacuum / pressure (US EPA RM 27) test was conducted. The driver did have the current Rule 627 test results. The Rule 336.1627 test was performed on January 07, 2015, at Walkers Truck and Services, Inc., 4135 Vandell Parkway, Lansing, Michigan 48917.

### Conclusion

Rule 627 Vacuum / Pressure test results were present on the truck. Vapor balance system was operated properly. The vapor lines were connected to a vapor manifold. All three spill buckets had water.

NAME Steele Hannahall DATE 05/18/2015 SUPERVISOR CTE