

Review Committee Meeting 2

DAQ-DNREC Revisions to Regulation 1124 Sections 26 and 36

June 12, 2019. 10 AM, 100 W. Water Street, Suite 6A, Dover, DE

Sign-in

Name & Affiliation	Telephone	E-mail Address
Frank Gao, DAQ-DNREC <i>FG</i>	302-323-4542	Frank.Gao@delaware.gov
Jim Coverdale, DAQ-DNREC <i>JC</i>	302-739-9402	James.Coverdale@delaware.gov
<i>Ed Gubinsky Crompco</i> <i>EGK</i>		
<i>Sandy Carl Crompco</i> <i>slc</i>		
<i>Mallory PINKOWSKI</i> DAQ-DNREC		<i>Mallory.pinkowski@delaware.gov</i>
<i>PETER Rollo DNREC - TMS</i>	<i>302-395-2500</i>	<i>Peter.Rollo@delaware.gov</i>
<i>Eileen Butler DNREC TMS</i>	<i>302-395-2520</i>	<i>Eileen.Butler@delaware.gov</i>
<i>MARK BAKER</i>		
<i>Steve Stasky</i>		
<i>Tom Rusch</i>		
<i>Kim McCauley</i>		<i>KMcCauley@wmda.net</i>
<i>Ellen Valentino</i>		
<i>Josh Worth, WAWA</i>		
<i>Celine Bibonne, WAWA</i>		<i>Celine.Bibonne@wawa.com</i>
<i>Bill Logue, Tanknology</i>	<i>(called in)</i>	

*Richard Negrete,
GPM* *(called in)*

Second Committee Meeting for Stage II

Amendments to Stage II regulation

June 12, 2019

Agenda

- Introduction
- Discussion
- Next Steps



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DNREC-TMS

Peter,

The CARB EVR certification process ensures components within an approved CARB Executive Order are compatible as a system to achieve the required minimal 98% Phase 1 Vapor Recovery Efficiency. According to OPW's understanding of the regulation, the CARB EVR Executive Order must be followed to guarantee 98% EVR system efficiency. If products other than those listed on the Executive Order are used, 98% efficiency performance cannot be guaranteed.

Sincerely,

Wolfgang Sanyer, PE
Product Manager, Below Ground
OPW Retail Fueling

Review Committee Meeting June 12, 2019

Division of Air Quality



Amendments to
Air Regulation 1124
Sections 26 and 36

Blue Skies Delaware; Clean Air for Life

Agenda

- ❑ Summary of the first review committee meeting on 05/08
- ❑ Discussion on identified issues and solutions
- ❑ Monitoring and testing topics
- ❑ Amendments to Section 26
- ❑ Next steps



Amendments to Sections 26/36

- ❑ **Goal: To control gasoline vapor emissions at GDFs;**
- ❑ **Proposals and solutions:**
 - 1. How to handle Stage II-ORVR incompatibility?**

Decommission Stage II.
 - 2. How to ensure USTs to be vapor-tight?**

Install Stage I EVR.
 - 3. Stage I EVR requirements**

Discussion



1. To solve Stage II-ORVR incompatibility:

- For new GDFs:
 - Not to install Stage II
- For existing GDFs:
 - To decommission Stage II
 - DAQ considers: All GDFs by 12/31/2021



New GDFs: No Stage II system

□ Draft language:

- 36.1.4.1 On or after (XX-XX-XXXX), any new facility that first commences construction,shall comply with subsection 36.4.
- 36.4 Standards for Facilities with Stage I Vapor Recovery Systems



Existing GDFs: Decommission Stage II

□ Draft language:

- 36.1.4.2 Any existing GDF, which has a Stage II vapor recovery system in operation or under construction, shall decommission its Stage II vapor recovery system before December 31, 2021.



2. To ensure USTs to be vapor-tight:

- Install Stage I EVR;
- For new GDFs:
 - At construction
- For existing GDFs:
 - DAQ considers: In two phases
 - Big facilities (>100K gal/m) by 12/31/2023
 - Small facilities (<100K gal/m) by 12/31/2025



New GDFs: Install Stage I EVR at construction

□ Draft language:

- 36.4.1.1 Any new facility that commences construction shall install its Stage I EVR system at construction and shall start operation of the Stage I system when the facility commences the gasoline dispensing operation.



Existing GDFs: Install Stage I EVR in two phases

□ Draft language

- 36.4.1.2 Any existing facility that decommissions its Stage II vapor recovery system shall install and operate its Stage I EVR system according to the following schedule:
 - 36.4.1.2.1 If its monthly throughput is equal to or greater than 100,000 gallons, by December 31, 2023.
 - 36.4.1.2.1 If its monthly throughput is less than 100,000 gallons, by December 31, 2025.



3. Stage I EVR requirements:

- DAQ considers: All GDFs to install and operate
 - One complete EVR system specified in one CARB EO
 - No mix-match between EOs
- Install, maintain and repair EVR system
 - By contractor certified by manufacturer of the installed system



Proposed approach

□ Draft language

- 36.4.1 The owner or operator of any gasoline dispensing facility identified in subsection 36.1.4.1 shall install and operate one of the Stage I enhanced vapor recovery (EVR) systems identified in subsection 36.10.2.
- 36.4.1.3 The Stage I EVR system shall be installed, maintained and repaired by contractor or contractors trained and certified by the EVR system manufacturer of the selected system.



■ Discussion on monitoring and testing

1. CPM remains as an option

□ Draft language

- 36.1.4.1 On or after (xx/xx/xxxx), any new facility that first commences construction, or any existing facility that decommissions its Stage II vapor recovery system, shall comply with subsection 36.4, and subsection 36.5 **or** subsection 36.6, and ...
- 36.5 Monitoring Requirements for Facilities with Continuous Pressure Monitoring Systems



■ Discussion on monitoring and testing

2. Pressure decay (PD)

- “Cold” condition will remain;
- Failure will trigger two (2) quarterly PD retesting;

□ Draft language

- 36.6.2.1 If the pressure decay test fails, necessary repair and retesting shall be performed, then quarterly testing shall be required, and the original annual testing schedule shall resume upon passing of two (2) consecutive quarterly tests.



■ Discussion on monitoring and testing

3. P/V valve test:

- **Fail:** Install a new P/V valve, and no quarterly retest;
- **Pass:** Reinstall it, and retest it with the next PD test;

□ Draft language

- 36.6.2.2 If the P/V valve fails the test, the valve shall be replaced with a new valve, and the new valve must be tested, as specified in subsection 36.4.2.3, before installation. If the P/V valve passes the test, the valve shall be reinstalled and tested with the next pressure decay test.



■ Discussion on monitoring and testing

4. Require Testing contractor to correct deficiencies;

□ Draft language

- 36.8.5 A testing company shall correct any testing deficiency, including lack of any training, tool, equipment, material or personnel that is necessary for performing any compliance test correctly and completely, within 60 days after the deficiency finding. Failure to meet this 60-day correction requirement shall lead to termination of the company's qualification for performing testing work related to this version of Section 36.0 of in Delaware.



■ Amendments to Section 26 (Stage I):

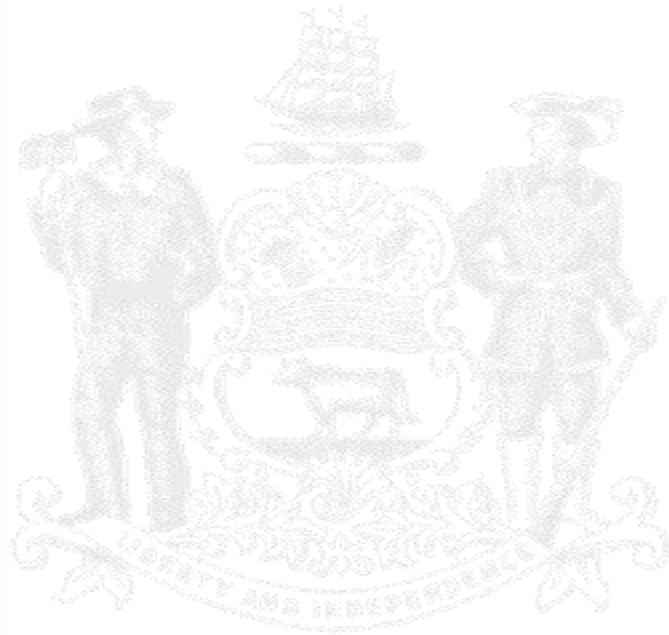
1. To establish connection between Section 26 with Section 36.

□ Draft language:

- 26.3.1.2 Design, install, operate, and maintain a Stage I Vapor Recovery System that is required in Section 36.0 of 7 DE Admin Code 1124 and operates such that the vapors displaced by the liquid gasoline are returned to the delivery vessel and transported back to the bulk plant or terminal.



■ Questions?



Blue Skies Delaware; Clean Air for Life

Next steps:

- ❑ **Summary of this meeting will be emailed by June 19;**
- ❑ **Send your comments via emails by July 3 to:**
DNREC_1124_Regulations@Delaware.gov
- ❑ **Third review committee meeting:**
 - July 17, 2019, 10 am-12 noon at
 - Location: DAQ Office, 715 Grantham Lane, New castle
- ❑ **Draft language to committee for review:**
 - By July 10, 2019.

For more information:

<https://dnrec.alpha.delaware.gov/air/permitting/under-development/>



Blue Skies Delaware; Clean Air for Life

Revision to 7 DE Admin Code 1124 Sections 26 (Stage I) and 36 (Stage II)
2019-06-12 Review Committee Meeting

Committee Meeting Summary

1. List of attendants (Attachment 1)

Sandy Carl,	Crompco,	Sandra.Carl@crompco.com
Ed Kubinsky	Crompco,	Ed.kubinsky@crompco.com
Tom Ruszin,	Royal Farms,	truszin@royalfarms.com
Kirk McCauley,	WMDA/CAR,	kmccauley@wmda.net
Ellen Valentino	Mid-Atl. Petro. Distr. Assoc.,	Ellen@mapda.com
Josh Worth,	Wawa,	joshua.m.worth@wawa.com
Celine Bibonne	Wawa,	Celine.Bibonne@wawa.com
Steve Stookey,	Southern MD Oil,	SStookey@twgi.net
Mark Baker,	Baker Petroleum,	Mark@wilsonbaker.com
Bill Logue,	Tanknology	wlogue@tanknology.com (Called in)
Richard Negrete,	GPM Investments,	rnegrete@gpminvestments.com (Called in)
Frank Gao,	DAQ-DNREC,	Frank.Gao@delaware.gov
Jim Coverdale,	DAQ-DNREC,	James.Coverdale@delaware.gov
Mallory Pinkowski,	DAQ-DNREC,	Mallory.Pinkowski@delaware.gov
Pete Rollo,	TMS-DNREC,	Peter.Rollo@delaware.gov
Eileen Butler,	TMS-DNREC,	Eileen.Butler@delaware.gov

2. DAQ presentation

- DAQ presentation attached (Attachment 2)

3. Discussions and results

In summary, agreements were reached on the following:

- 1) All GDFs will decommission their Stage II systems by 12/31/2021.
- 2) GDF with monthly throughput >100K gal/month will install Stage I EVR systems by 12/31/2023.
- 3) GDF with monthly throughput <100K gal/month will install Stage I EVR system by 12/31/2025.
- 4) Continuous pressure monitoring (CPM) will be kept as an option for testing and monitoring.
- 5) Annual pressure decay (PD) test and P/V valve test at “cold” condition will be required for non-CPM stations.
- 6) If the annual PD test fails, two quarterly PD tests will be required.
- 7) If P/V valve fails the test, replacement is required, but the failure will not trigger quarterly PD test.
- 8) Proposed amendments to Section 26 (Slide 16) is adequate.

Regarding 2) and 3) above (Slide 9), Mark Baker of Baker Petroleum suggested that DAQ define clearly the monthly throughput to determine the EVR installation schedule since the monthly throughputs of some GDFs may vary to some extent during the year. DAQ proposed, and the committee agreed, that using the average monthly throughput over the 12-month prior to the permit application be a practical solution.

Regarding the proposed requirement for testing contractor to correct deficiencies (Slide 15), the committee agreed on adding "installation contractor," as suggested by Sandy Carl of Crompco.

The committee had an extensive discussion on EVR component mix-match between CARB executive orders.

- 1) In general, the industry representatives requested the mix-match approach currently adopted in some other OTR states.
 - a. Bill Logue of Tanknology claimed some situations where using components certified in other CARB executive orders may be economically and practically favored, such as using a spare spill bucket in a timely replacement. Josh Worth of Wawa stated a situation where a problematic overfill valve of product drop tube forced them to replace the drop tube of another brand. Ellen Valentino commented that DAQ should (1) collect information for this issue from other states, (2) collect information to show reasons of why the mix-match approach did not work, and (3) consider that not allowing the mix-match may lead to price increase by a single product source (manufacturer).
 - b. DAQ informed the committee that it was aware of the situation in some OTR states (NJ, MA, and RI). Regarding Ellen's second comment, Pete Rollo of TMS stated that a mix-match EVR system would not guarantee the 98% control efficiency. DAQ showed the committee a letter from OPW (to Pete on 06/05/2019), stating that "if products other than those listed on the Executive Order are used, 98% efficiency performance cannot be guaranteed." (See Attachment 3). DAQ informed the committee, upon request, CARB stated that no testing had been done on an EVR system consist of components from different CARB executive orders.
 - c. The committee decided to have more discussion after the meeting via emails.

4. Action items

- DAQ will provide the committee a summary of this meeting by June 19.
- DAQ and TMS will further research on the EVR component mix-match issue.
- Committee members will provide the committee additional information if found.
- DAQ will provide the committee the draft languages of Section 26 and Section 36 by July 10 (one week before the next committee meeting).

5. Next step

- The third committee meeting is scheduled on July 17 from 10 am to 12 noon, at DAQ Conference Room, 715 Grantham Lane, New Castle, DE 19720.

Attachment 1: 06/12/2019 review committee meeting signed-in sheet.

Attachment 2: DAQ presentation.

Attachment 3: OPW letter to Pete Rollo of TMS on 06/05/2019.