

## Review Committee Meeting 4

DAQ-DNREC Revisions to Regulation 1124 Sections 26 and 36

August 21, 2019. 10 AM, 715 Grantham Lane, New Castle, DE

### Sign-in

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Fourth Review Committee Meeting - Amendments to Stage I/II Regulation

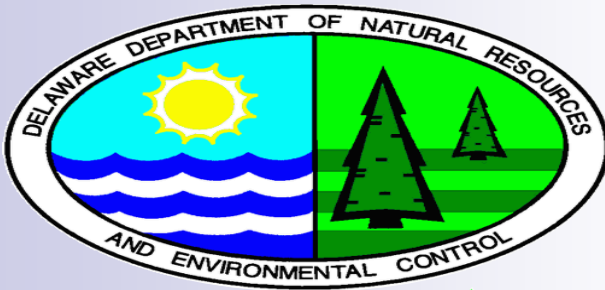
8/21/2019

10:00 am – 12:00 pm

- Introduction
- Discuss the draft language of Sections 26/36 revisions
- Discuss other relevant issues
- Next Steps

# Review Committee Meeting August 21, 2019

## *Division of Air Quality*

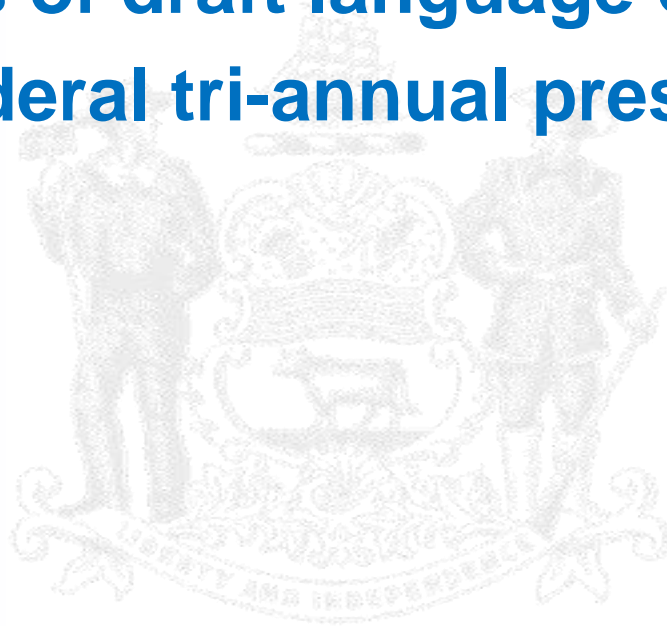


Amendments to  
Air Regulation 1124  
Sections 26 and 36

*Blue Skies Delaware; Clean Air for Life*

# ***Agenda***

- 1. Major points of draft language of Section 36**
- 2. Major points of draft language of Section 26**
- 3. CPM and federal tri-annual pressure test**
- 4. Next steps**



# 1. Draft language of Section 36

- **For new GDFs:**

- Not to install Stage II system at construction
- To install Stage I EVR system at construction
- To comply with monthly inspection and annual pressure decay test (to be discussed later in the presentation), or
- To install CPM system at construction



# 1. Draft language of Section 36

- **For new GDFs, draft language of requirement:**
  - To install Stage I EVR system at construction (Page 6 of Draft Section 36)

36.4.1.1 Any new facility that commences construction on or after xx/xx/xxxx shall install its Stage I EVR system at construction and shall start operation of the Stage I EVR system when the facility commences the gasoline dispensing operation.



# 1. Draft language of Section 36 (continued)

- **For existing GDFs:**

- To decommission Stage II system by 12/31/2021;
- To install Stage I EVR system by 12/31/2025;
- To perform monthly inspection and annual pressure decay test (to be discussed later in the presentation), or
- To install CPM system when installing Stage I EVR;



# 1. Draft language of Section 36 (continued)

- For existing GDFs, draft language:
  - To decommission Stage II system by 12/31/2021 (Page 2)

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, pursuant to the procedures in subsection 36.9.





# 1. Draft language of Section 36 (continued)

- For existing GDFs, draft language:
  - To install Stage I EVR by 12/31/2025 (Page 6)

36.4.1.2 Any existing facility that decommissions its Stage II vapor recovery system pursuant to subsection 36.1.4.2 shall install and operate a Stage I EVR system prior to December 31, 2025.



# Inspection and test requirements

- **For existing GDFs before decommissioning Stage II:**  
Requirements remain unchanged, but are codified in subsection 36.3 (Page 3)

36.3 Standards for Facilities with Stage II Vapor Recovery Systems



# Inspection and test requirements (continued)

- **For GDFs with CPM:**

Requirements fundamentally are unchanged, but codified in subsection 36.5 (Page 9)

## 36.5 Requirements for Facilities with Continuous Pressure Monitoring Systems



# Inspection and test requirements (continued)

- For GDFs without CPM, including new GDFs and GDFs after decommissioning Stage II:

Requirements are codified in subsection 36.6 (Page 11)

## 36.6 Requirements for Facilities without Continuous Pressure Monitoring Systems

- Monthly inspection;
- Annual pressure decay test and P/V valve test:
  - Pressure test and P/V valve test are separated;
  - Two quarterly tests after pressure test failure.



## For GDFs without CPM (continued)

- Monthly inspection (Page 11):

36.6.1.1 Check all dust caps manually for tightness.....

36.6.1.2. Manually check Stage I dry breaks to ensure they are tightly sealed.....

36.6.1.3 Manually check the automatic tank gauge (ATG) caps to ensure they are tightly sealed .....

36.6.1.4 Visually inspect the vent riser, P/V valve and cap .....

36.6.1.5 Repair or replace any damaged or malfunctioning components as soon as possible, but no later than the next monthly inspection.

- DAQ will provide a simple form.



## For GDFs without CPM (continued)

- Annual pressure decay test & P/V valve test (Page 12):

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

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



## 2. Draft language of Section 26

- Establish connection between Section 26 and Section 36 (Page 2 of Draft Section 26):

26.1.4 Any gasoline dispensing facility with gasoline storage tank or tanks subject to Section 26.0 shall also comply with applicable requirements in Section 36.0 of 7 DE Admin Code 1124 on or after xx/xx/xxxx.

(Page 3 of Draft Section 26):

26.3.1.2 Design, install, operate, and maintain a Stage I Vapor Recovery System that is required in Section 36.0 and .....





### 3. CPM and federal tri-annual pressure test

- **40 CFR Part 63 Subpart CCCCCC:**
  - A GDF is required to perform pressure test for its USTs every three years;
- **GDFs without CPM: Annual pressure test fulfills the requirement.**
- **GDFs with CPM:**
  - DAQ is discussing with EPA an appropriate approach for DE's GDFs with CPM.





# Discussion

- Other subsections?
- Other relevant issues?



- **Next steps:**

- Summary of this meeting will be emailed soon;
- Send your comments via emails by Sept. 11 to:  
**DNREC\_1124\_Regulations@Delaware.gov**

- **DAQ plans the followings:**

- **Two public workshops:**
  - Tues., Oct. 15, 2019, morning, Lukens Drive (TMS)
  - Wed., Oct. 16, 2019, evening, DNREC R&R
- **Public hearing: Jan. 2020**
- **Effective date: Spring 2020**

***For more information:***

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



***Blue Skies Delaware; Clean Air for Life***

## **2019-08-21 Review Committee Meeting**

### **Committee Meeting Summary**

#### 1. List of attendants (Attachment 1)

Sandy Carl,	Crompco,	<a href="mailto:Sandra.Carl@crompco.com">Sandra.Carl@crompco.com</a>
Josh Worth,	Wawa,	<a href="mailto:joshua.m.worth@wawa.com">joshua.m.worth@wawa.com</a>
Mark Baker,	Baker Petroleum,	<a href="mailto:Mark@wilsonbaker.com">Mark@wilsonbaker.com</a>
Richard Negrete,	GPM Investments,	<a href="mailto:rnegrete@gpminvestments.com">rnegrete@gpminvestments.com</a>
Glenn D'Antuono,	Speedway LLC,	<a href="mailto:gdantuono@speedway.com">gdantuono@speedway.com</a>
Travis Walls,	Delmarva Petro. Serv.	<a href="mailto:Twalls@delmarvaPetroleumService.com">Twalls@delmarvaPetroleumService.com</a>
Bill Logue,	Tanknology,	<a href="mailto:wlogue@tanknology.com">wlogue@tanknology.com</a> (Called in)
Frank Gao,	DAQ-DNREC,	<a href="mailto:Frank.Gao@delaware.gov">Frank.Gao@delaware.gov</a>
Jim Coverdale,	DAQ-DNREC,	<a href="mailto:James.Coverdale@delaware.gov">James.Coverdale@delaware.gov</a>
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Mike Moyer,	TMS-DNREC,	<a href="mailto:Michael.Moyer@delaware.gov">Michael.Moyer@delaware.gov</a>

#### 2. DAQ presentation (Attachment 2)

#### 3. Discussions and results

- 1) Josh W. of Wawa provided to the committee Wawa's results of testing on the integrity of more than 6,000 spill buckets. The results showed a very small number of the buckets failed the test. Since most of those buckets are more than 8 years old, Josh stated that he disagreed with the 8-year maximum lifespan discussed in the last committee meeting. TMS commented that the life of a spill bucket would heavily depend on the surrounding natural condition and working conditions, and the lifespan that TMS mentioned in the last committee meeting was based on TMS' field experience in Delaware. TMS further commented that some of Wawa's buckets are Stage I EVR models and Wawa could keep them when installing Stage I EVR systems.
- 2) Bill L. of Tanknology and Sandy C. of Crompco asked for clarifications for annual maintenance tests on Stage I EVR systems. Bill L. explained that the annual pressure decay test would be necessary for demonstrating vapor tightness of the UST system at the time of testing, but the Stage I EVR components would need to be tested also for integrity to guarantee the 98% control efficiency, as required in CARB's executive orders (EOs). Sandy C. added that the testing companies

and the station owners/operators would need to know what components of the EVR system need to be tested and included in the test records and reports.

DAQ responded that subsections 36.4.1 and 36.4.1.3 of the draft language were intended to cover Stage I EVR maintenance requirements. DAQ, however, agreed with Bill L. and Sandy C. that necessary clarifications would be needed. DAQ told the committee that after the meeting it will get to the maintenance details of CARB EOs and add adequate provisions in the draft language. Bill L. told the committee that he would send DAQ some relevant EOs' excerpts after the meeting (which he did after the meeting).

- 3) As requested by Mark B. of Baker Petroleum, DAQ and the committee discussed the algorithm of Continuous Pressure Monitoring (CPM) function in monitoring UST ullage pressure (Slide 9, Attachment 2). Renae H., the acting manager of DAQ Airshed Planning and Inventory Program, also reported to the committee that DAQ is still in discussion with EPA regarding using the CPM in DE as an alternative testing method under the federal 40 CFR Part 63 Subpart CCCCC (Slide 14).
- 4) Other issues discussed in the meeting:
  - Bill L. discussed the nozzle flow rate test requirement and requested clarification. DAQ decided to specify this requirement in 36.1.3.
  - Richard N. of GPM Investments asked DAQ to clarify the timing for the next P/V valve test in subsection 36.6.2.2 (Slide 12). DAQ agreed to clarify the language, and proposed to modify the language as follows: "...with the next quarterly or annual pressure decay test, whichever comes first."
  - The committee reviewed the draft language of Section 26, and reached a consensus that no change would be needed in the draft language.

#### 4. Action items and next step (Slide 16, Attachment 2)

- DAQ will provide the committee a summary of this meeting in the week of 08/26.
- DAQ asks all committee members to provide the committee any further comments or information by 09/11 (3 weeks after this meeting).
- DAQ plans to hold two public workshops in the mid-October. The draft language of Sections 26 and 36, edited based on this committee meeting, will be distributed to the committee and the public prior to the workshops. Major edits will include clarification of EVR component testing requirements, clarification of the required flow rate test, revising of the language for the retesting of P/V value, etc.