

Delaware Regulations for Vapor Emission Controls at Gasoline Dispensing Facilities (GDFs)

Review Committee Meeting #4
April 9, 2014

Division of Air Quality
DNREC



Blue Skies Delaware; Clean Air for Life

Agenda

1. *Fast Tracking Requirements for New GDFs*
2. *DE GDFs Operation and Throughput Data*
3. *Eco-Nozzle Presentation (Husky)*
4. *Vapor Pressure Monitoring Presentation (Franklin Fueling)*
5. *Q&A and General Discussion*
6. *Planning for Next Meeting*



1. Fast Tracking Requirements for New GDFs

- **New GDFs: Commencing operation on/after xx/11/2014 (effective date of the rule)**
- **Requirements in consideration:**
 - **No Stage II;**
 - **EVR Stage I components;**
 - **Continuous pressure monitoring of the USTs with an actionable alarm for “leaky” systems;**
 - **Enhanced conventional nozzles (Eco nozzles);**



Tentative Plan for New GDFs

- ❑ Draft language by next meeting
- ❑ Next meeting date: May ??
- ❑ Public hearing: Late June or July
- ❑ Finalizing: By September



2. GDFs Operation and Throughput Data

Request for Hours of Operation

Received responses from:

- 7 Eleven
- GPM
- Hess
- Royal Farms
- SMO
- Sunoco
- Wawa

Covers 166 GDFs of the 311 GDFs (53%) reporting in FY13 to Delaware Motor Fuel Tax Program



FY13 MFT Monthly Throughput Data

34.7 MM gallons @ 311 GDFs

18.9 MM gals @ 87 24/7 manned GDFs (54%)

1.5 MM gals @ 18 24/7 unmanned GDFs (4%)

4.4 MM gals @ 60 GDFs that close nightly (13%)

Does not include one GDF that has since closed

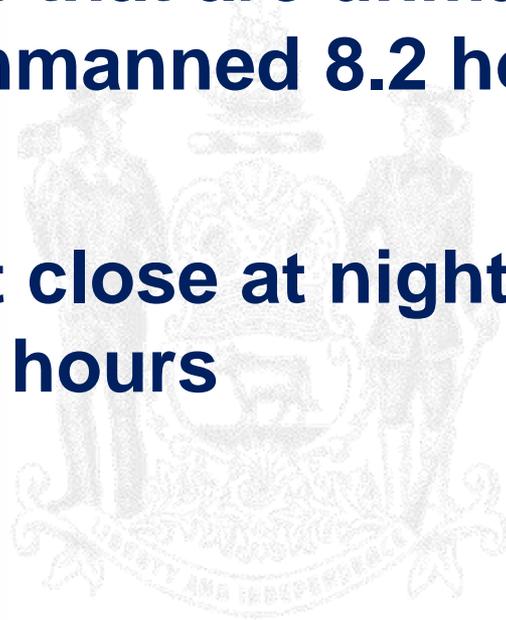
72% of throughput matched to operating schedule



Hours of Operation

For 24/7 GDFs that are unmanned at night, on average unmanned 8.2 hours

For GDFs that close at night, on average closed for 7.2 hours



Capping of Vapor Return Line at Tank

138 GDFs reported as needing to break ground to cap off vapor return line at tank.

20 GDFs reported as not needing to break ground.

No data yet available on 7 GDFs.



Monthly Throughput Ranges

By Number of GDFs

- <10,000 gal/mo – 21 GDFs – 7%
- 50K<GDF>10K gal/mo – 86 GDFs – 30%
- 100K<GDF>50K gal/mo – 73 GDFs – 25%
- GDF>100K gal/mo – 111 – 38%

Includes 291 GDFs that operated the entire fiscal year 2013



Monthly Throughput Ranges

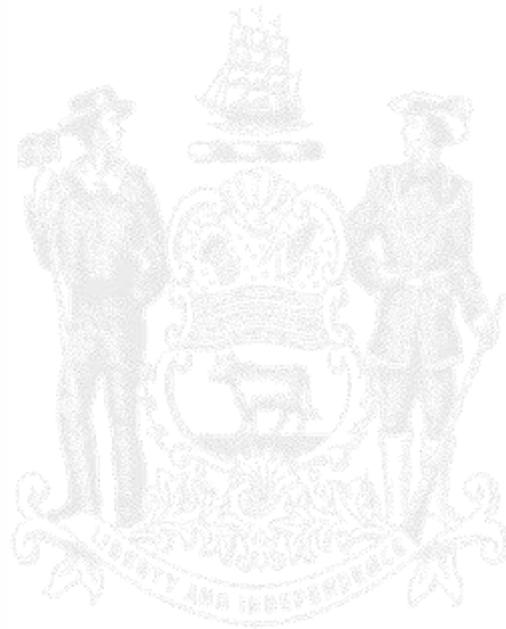
By Throughput

- <10,000 gal/mo – 0.3%
- 50K<GDF>10K gal/mo – 8%
- 100K<GDF>50K gal/mo – 16%
- GDF>100K gal/mo – 76%



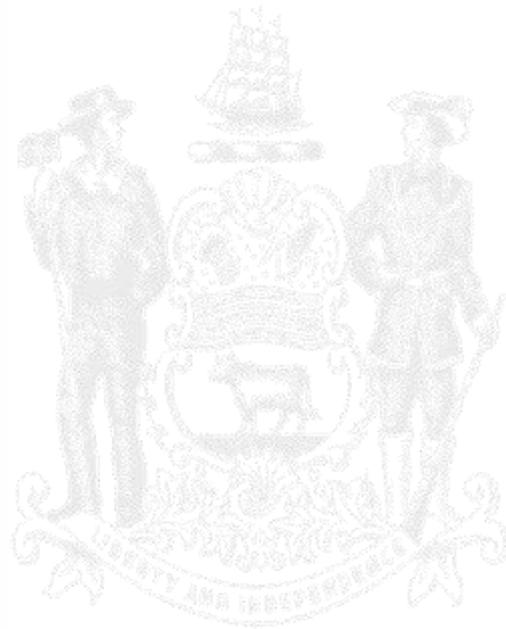
3. Eco-Nozzle Presentation

- *By Husky*



4. Vapor Pressure Monitoring Presentation

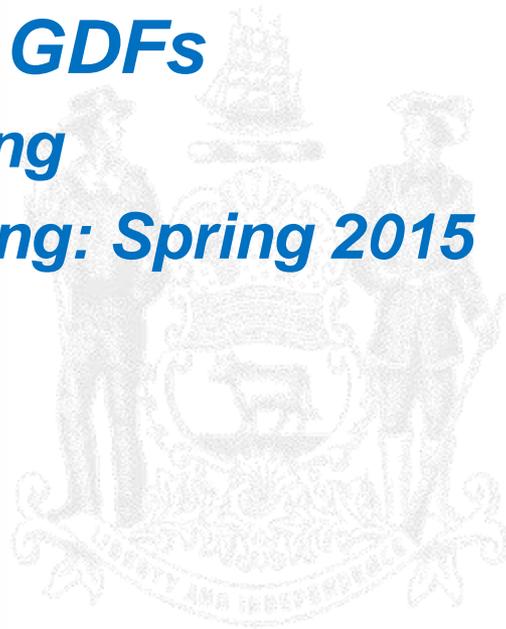
- *By Franklin Fueling*



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5. Q&A and general discussion

- ***New GDFs***
- ***Existing GDFs***
 - ***On-going***
 - ***Targeting: Spring 2015***



6. Planning for Next Meeting

1. Focusing on Language for New GDFs;
2. Meeting Date: May ??
 - Planning public hearing in late June or July.
3. Location: Lukens Drive
4. Tasks prior to next meeting
 - DAQ: Draft language;
 - Committee members
5. Agenda (to be determined)

Thanks



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