



BY2011 Emissions Inventory

(Draft)

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Overview

Base Year 2011 Emissions Inventory

- Emission Source Sectors
 - Point (EGU* & Non-EGU)
 - Area
 - Nonroad (NMIM model & MAR** sources)
 - Onroad (MOVES2010a)

- Period & Pollutants
 - Annual – VOC, NOx, CO, PM2.5-Pri, SO2, NH3
 - Avg Ozone Season Day – VOC, NOx, CO

* EGU – Electric Generating Unit

** MAR – Marine, Air, Rail



Status

Base Year 2011 Emissions Inventory

- Currently going through Public Hearing/Comment process
- MWAQC-TAC approval – February 11, 2014
- MWAQC approval for PH/C – February 26, 2014



Schedule

Public Hearing & Comment

- **State Public Hearing/Comment Schedule**
 - District of Columbia – May 12, 2014
 - Maryland – June 12, 2014
 - Virginia – April 23, 2014



Summary of Comments & Tech Corrections

- Comments & Technical Corrections Received As of Today

Virginia

Technical correction requested by VDEQ for **commuter rail** emissions (nonroad source)

Pollutant	Old Annual Emission (TPY)	Revised Annual Emission (TPY)	Difference (TPY)	Old OSD Emission (TPD)	Revised OSD Emission (TPD)	Difference (TPD)
CO	355.28	87.95	267.33	0.97	0.24	0.73
NOx	3191.31	202.96	2988.35	8.74	0.56	8.18
PM2.5	88.02	5.67	82.35			
SO2	212.25	3.01	209.24			
VOC	147.16	17.59	129.57	0.4	0.05	0.35



Revised Regional Emissions

Pollutant	Old Annual Emission (TPY)	Revised Annual Emission (TPY)	Difference (TPY)	Old OSD Emission (TPD)	Revised OSD Emission (TPD)	Difference (TPD)
CO	9110.56	8843.23	267.33 (2.9%)	27.31	26.58	0.73 (2.7%)
NOx	9580.55	6592.20	2988.35 (31.2%)	28.35	20.17	8.18 (28.2%)
PM2.5	235.77	153.42	82.35 (34.9%)			
SO2	1121.21	911.97	209.24 (18.7%)			
VOC	947.22	817.65	129.57 (13.7%)	2.76	2.41	0.35 (12.7%)



Nest Steps

- BY2011 Emissions Inventory document –
 - Revision with all comments and technical comments received by June 12, 2014

- MWAQC-TAC approval – July 8, 2014

- MWAQC approval (thro' MWAQC-Exec Committee) – July 9, 2014