



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

# Air Advisory Council

## Good Neighbor Rule, NO<sub>x</sub> and VOC RACT

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April 20, 2022

# Good Neighbor Rule (proposed)

## EGU's – Trading program

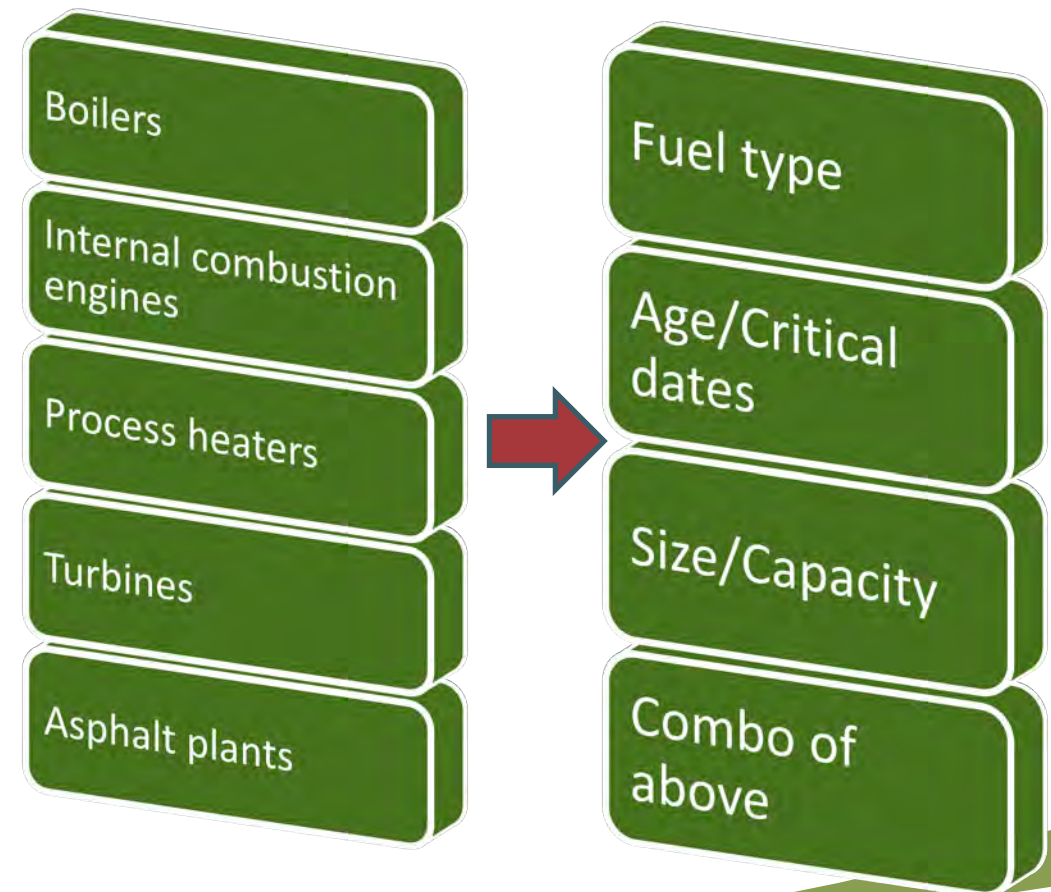
- Continuation of CSAPR like system
- Unlike in the past, may be readjusted as sources leave/are controlled
- “Backstop” emission rate
- Will force controls and constant use of them (mostly by 2026)

## Non-EGU's – Emission rates

- NO<sub>x</sub> PTE > 100 tpy (Cement, Iron & Steel, Glass)
- Boilers => 100 mmBtu/hr (Chemical, Petroleum, Pulp and Paper)
- Engines => 1000 HP (Pipeline transportation of natural gas)
- Looking for comments on boilers at Metal Ore Mining and Lime/Gypsum
- (Also) by 2026

# NOx RACT Rules

- Part 8 rules are in process (Can't open another package yet)
- Required to address major sources of NOx
- Resources/Questions
  - Looking at other states rules
  - Ramboll Whitepaper
  - Good Neighbor Rule?
  - NOx BACT?
  - Beyond major sources?



# VOC RACT

- Work consists of revisions to existing rules and development of new rules to cover all CTG categories.
  - Majority of categories are for surface coating processes, adhesives, cleaning solvents, oil & natural gas processes, gasoline, etc.
  - Subrules within R602 to account for alternative RACT demonstrations and requirements for facilities with PTE >100tpy VOC that are not covered by any other Part 6 RACT rules.
  - Applicability: Ozone nonattainment areas, existing date = 2023.
- Timing of the rule package (promulgation/implementation)
  - Early Spring 2023.
- Impacts a few other Rule parts (1, 7, 9, and potentially 10).

# Proposed Rule Changes

Rule 601 – Definitions	Rule 623 – Storage of petroleum liquids having a true vapor pressure of more than 1.0 psia, but less than 11.0 psia, in existing external floating roof stationary vessels of more than 40,000 gallon capacity.	Rule 637 – Fiberglass boat manufacturing materials
Rule 602 – Existing sources of volatile organic compound emissions generally.	Rule 624a – Emission of VOCs from existing graphic arts lines located in the 2015 NAAQS Ozone Nonattainment areas.	Rule 638 – Wood furniture manufacturing operations
Rule 606 – Loading gasoline into existing stationary vessels of more than 2,000 gallon capacity at dispensing facilities handling 250,000 or more gallons per year	Rule 625 – Emission of VOCs from existing equipment utilized in manufacturing synthesized pharmaceutical product	Rule 639 – Aerospace manufacturing and rework
Rule 607 – Loading gasoline into existing stationary vessels of more than 2,000 gallon capacity at loading facilities	Rule 628 – Emission of VOCs from components of existing process equipment used in manufacturing synthetic organic chemicals and polymers; monitoring program	Rule 640 – Emissions of VOCs from O&G operations - Storage tanks
Rule 608 – Loading gasoline into delivery vessels at existing loading facilities handling less than 5,000,000 gallons per year	Rule 629 – Emission of VOCs from components of existing process equipment used in processing natural gas; monitoring system	Rule 641 – Emissions of VOCs from O&G operations - Pneumatic Controllers
Rule 610a – Existing coating lines; VOCs from existing automobile, light-duty truck; and paper, film, and foil coating lines.	Rule 630 – Emission of VOCs from existing paint manufacturing processes	Rule 642 – Emissions of VOCs from O&G operations - Pneumatic Pumps
Rule 611 – Existing Cold Cleaners	Rule 631 – Emission of VOCs from existing process equipment utilized in manufacture of polystyrene or other organic resins	Rule 643 – Emissions of VOCs from O&G operations – Compressors
Rule 618 – Use of cutback or emulsified paving asphalt	Rule 632 – Emission of VOCs from existing automobile, truck, and business machine plastic part coating lines.	Rule 644 – Emissions of VOCs from O&G operations – Fugitives
Rule 620 - Emissions of VOCs from existing flat wood paneling coating lines	Rule 633 – Emissions of VOCs from existing plastic parts and products surface coating; and pleasure craft coating operations.	Rule 660 – Standards for VOCs from consumer products
Rule 620a – Emission of VOCs from existing flatwood paneling coating lines	Rule 634 – Emissions of VOCs from existing industrial solvent cleaning	Rule 661 – Definitions for consumer products
Rule 621a – Emission of VOCs from existing metallic surface coating lines	Rule 635 – Emission of VOCs from existing offset lithographic and letterpress printing lines.	Rule 662 – Standards for VOCs from architectural and industrial maintenance coatings
Rule 622 – Emissions of VOCs from existing components of petroleum refineries; refinery monitoring program	Rule 636 – Emission of VOCs from existing miscellaneous industrial adhesives operations.	