



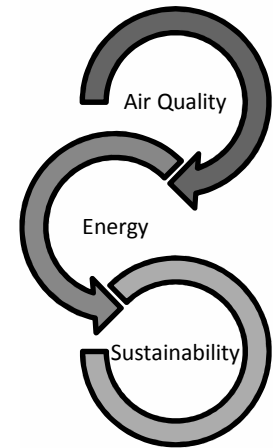
STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION



DIVISION OF AIR QUALITY
AIR QUALITY, ENERGY, AND SUSTAINABILITY

AIR RULE ADOPTIONS
IN 2017

BUREAU OF STATIONARY SOURCES



Danny Wong

RULEMAKING

Rule	Proposed (Publication)	Adoption	Effective (Publication)	Operative
1. Legacy Landfill (Solid Waste)	8/15/16 48 NJR 1526(a)	8/8/17	9/5/17 49 NJR 2935(a)	10/7/17
2. CTG/NOx RACT	1/3/17 49 NJR 14(a)	9/1/17	11/6/17 49 NJR 3518(a)	11/6/17
3. PM2.5/Sulfur SSM/ Emission Statements	3/20/17 49 NJR 515(a)	10/10/17	11/6/17 49 NJR 3511(a)	12/9/17
4. Stage II/TBAC/Air Permitting	7/3/17 49 NJR 1762(a)	10/24/17	11/20/17 49 NJR 3590(a)	12/23/17
5. Resiliency/Air Toxics/NOx Cap & Trade Programs	8/7/17 49 NJR 2373(a)	12/14/17	1/16/18 50 NJR 454(a)	2/12/18

If there is discrepancy between the information in this presentation and the rule, the provisions in the rule prevails.

Slide 2

1. LEGACY LANDFILL

- Statute: N.J.S.A. 13:1E-125.1
- All landfills
- Definition of H₂S at N.J.A.C. 7:27-7.1
- H₂S limit at N.J.A.C. 7:27-7.3
 - 30 ppbv averaged over any 30-minute period
 - Applicable to any locations at or beyond the property line
 - Referenced in Solid Waste rule (N.J.A.C. 7:26-2A) for reporting and ambient air monitoring
- Penalties provisions at N.J.A.C. 7:27A-3.10(m)

2. CTG/NO_x RACT

- CTG (N.J.A.C. 7:27-16)
 - Paper, Film and Foil Coatings (PFFC)
 - Fiberglass Boat Manufacturing Materials (FBMM)
 - Miscellaneous Metal and Plastic Parts Coatings (MMPPC)
 - Industrial Cleaning Solvents (ICS)
- NO_x RACT (N.J.A.C. 7:27-19)
 - Natural gas engines and turbines
 - Compressing gaseous fuel at a major NO_x facility
 - Comply by 11/6/2019
- Penalties provisions at N.J.A.C. 7:27A-3.10(m)

2. CTG: PFFC (N.J.A.C. 7:27-16.7(u))

- Applicability: VOC emissions exceed 15 lbs/day
- Best management practices
- Recordkeeping

2. CTG: FBMM (N.J.A.C. 7:27-16.14)

- Applicability: VOC emissions exceed 15 lbs/day
- Control options
 - Maximum VOC content
 - Table 14A – Open molding resin/gel coating
 - Table 14C – Filled production resin/filled tooling resin
 - Facility-specific VOC emission limit calculated based on materials purchased
 - Control device
 - Restrictions on industrial cleaning solvents
- Best management practices
- Recordkeeping

2. MMPPC (N.J.A.C. 7:27-16.15)

- Applicability: VOC emissions exceed 2.7 tons in any 12 consecutive months
- Control options
 - Maximum allowable VOC content
 - Table 15A – Pleasure craft
 - Table 15B – Metal parts/products
 - Table 15C – plastic parts/products
 - Table 15D – Automotive/transportation or business machine plastic parts/products
 - Table 15E – Motor vehicle material
 - Control device
- Best management practices
- Recordkeeping

2. CTG: ICS (N.J.A.C. 7:27-16.24)

- Applicability: use more than 855 gallon in any 12 consecutive months
- Control options
 - Maximum allowable VOC content in Table 24A
 - Composite vapor pressure ≤ 8 mmHg at 20°C
 - Control device
- Best management practices
- Recordkeeping

2. NO_x RACT

- N.J.A.C. 7:27-19.5(l)
 - Turbines combusting natural gas
 - Limit: 42 ppmvd NO_x (15% O)
- N.J.A.C. 7:27-19.8(g)
 - 2-stroke lean burn, natural gas engine
 - < 500 bhp and ≥ 200 bhp
 - Limit: 3.0 grams NO_x/bhp-hr
- N.J.A.C. 7:27-19.8(h)
 - 4-stroke lean burn, natural gas engine
 - < 500 bhp and ≥ 200 bhp
 - Limit: 2.0 grams NO_x/bhp-hr

3. PM2.5/SULFUR SSM/EMISSION STATEMENTS

- PM2.5 & Precursors (NO_x & SO₂)
 - Preconstruction permits (N.J.A.C. 7:27-8)
 - Operating permits (N.J.A.C. 7:27-22)
 - Offset (N.J.A.C. 7:27-18)
- Sulfur SSM (N.J.A.C. 7:27-7)
 - Repealed emergency exemption at N.J.A.C. 7:27-7.2(k)2
- Emission Statements (N.J.A.C. 7:27-21)
 - Requires source level reporting for PM2.5 and ammonia
 - Replaced references to email with online portal for electronic submission

4. FUEL DISPENSING/TBAC/ AIR PERMITTING

- Fuel Dispensing (N.J.A.C. 7:27-16.3)
- Repealed of TBAC Reporting (N.J.A.C. 7:27-34)
- Air Permitting (N.J.A.C. 7:27-8 & 22)
 - Permit consistency between preconstruction and operating permits
 - Electronic noticing of draft operating permits
- Penalties provisions at N.J.A.C. 7:27A-3.10(m)

4. FUEL DISPENSING (N.J.A.C. 7:27-16.3)

- Enhanced Phase I
- Decommission Phase II by 12/23/2020
 - ORVR-compatible Phase II systems can keep Phase II
 - Must continue to maintain system pursuant N.J.A.C. 7:27-16.3
- Improved hoses and nozzles
- General Permits
 - Phase I: GP-004B (new)
 - Phase II: GP-004A (existing)

5. EXEMPTIONS/ AIR TOXICS/ NO_x CAP & TRADE PROGRAMS

- Permit exemptions for resiliency and low-emitting/portable equipment (N.J.A.C. 7:27-8, 16, 19, and 22)
- Updated and consolidated air toxics reporting thresholds (N.J.A.C. 7:27-8, 17, 21, and 22)
- Repealed NJ CAIR NO_x Trading Program (N.J.A.C. 7:27-30)
- Repealed NO_x Budget Trading Program (N.J.A.C. 7:27-31)

**Recommendation through
balanced stakeholders process**

5. PERMIT EXEMPTIONS (N.J.A.C. 7:27-8, 16, 19, and 22)

- Exemption from permitting requirements
 - Portable equipment used for emergency management activities from
 - Emergency generators used during infrequent non-emergency power disruptions
- Removal of 500 hours restriction for burning fuel oil during curtailment of natural gas supply
- Exemptions for low-emitting temporary and portable equipment from permitting
 - CRM
 - Rental facilities (testing/maint/demo only)
 - Portable hard drive and paper shredders
 - Excavation and transfer of oil/sediment directly into vehicle
 - Baling/conveying of glass, plastic, cans, cardboard, and paper

5. AIR TOXICS

(N.J.A.C. 7:27-8, 17, 21, and 22)

- Updated reporting thresholds
 - Most recent science and technology
- 185 of the 187 Federally listed HAPs
 - ~65% decreased
 - Benzene: 400 lbs/yr to 6 lbs/yr (petroleum products)
 - Methyl bromide: 2,000 lbs/yr to 230 lbs/yr (fumigation)
 - Tetrachloroethylene 2,000 lbs/yr to 180 lbs/yr (dry cleaners)
 - ~20% increased
 - Acetonitrile: 800 lbs/yr to 2,000 lbs/yr (synthetic rubber prod)
 - Phenol: 20 lbs/yr to 2,000 lbs/yr (resin prod)
 - Vinyl acetate: 200 lbs/yr to 2,000 lbs/yr (PVC prod)
- 11 TXS – two reporting thresholds (0.01 lbs/hr & lbs/yr)
- No change in SOTA thresholds

5. AIR TOXICS (N.J.A.C. 7:27-8, 17, 21, and 22)

- Consolidated all reporting thresholds (N.J.A.C. 7:27-17)
- Applicability and reporting requirements still reside in N.J.A.C. 7:27-8 and 22
- Operating permits (N.J.A.C. 7:27-22)
 - New or modified filed on or after 2/12/18
 - Renewals (no mods) with expiration date on or after 2/12/21
- Preconstruction permits (N.J.A.C. 7:27-8)
 - New or modified only filed on or after 2/12/18
 - GP/GOP risk assessment done as part of development
- Emission Statement (N.J.A.C. 7:27-21)
 - Starting with 2018 emissions (reported in 2019)
 - Inserted old thresholds in N.J.A.C. 7:27-21 Appendix for 2017

5. RULE CLEAN UP

- Repealed N.J.A.C. 7:27-16.6(b)-(i)
 - Applies to sources before date of 6/29/04
- Clean up tables in N.J.A.C. 7:27-16.16
- Repealed N.J.A.C. 7:27-16.26
 - No more variances; alternative emission limits instead
- Deleted N.J.A.C. 7:27-16.17(b)1
 - Submission due by 10/26/94
- Repealed N.J.A.C. 7:27-19.24 (MEG alerts)
- Cross references and other minor cleanups

USEFUL WEBPAGES

- NJDEP - <http://www.nj.gov/dep/>
- Air Regulations - <http://www.nj.gov/dep/aqm/>
 - Official copies - http://www.state.nj.us/dep/legal/get_rule.htm
- Air Permitting - <http://www.state.nj.us/dep/aqpp/>
- Evaluation & Planning - <http://www.nj.gov/dep/baqp/>
 - Air Toxics
 - Emission Statements
- Solid Waste - <http://www.nj.gov/dep/dshw/>