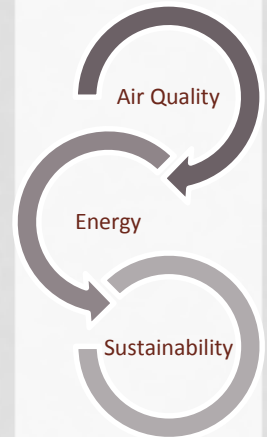




DIVISION OF AIR QUALITY

AIR QUALITY, ENERGY, AND SUSTAINABILITY



Danny Wong, Rules & Policy

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

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/>