



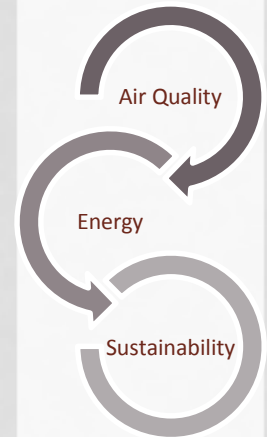
STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



DIVISION OF AIR QUALITY  
AIR QUALITY, ENERGY, AND SUSTAINABILITY

TECHNICAL MANUALS  
1002 & 1003 UPDATES

SEPTEMBER 1, 2017



Air Quality Regulation and Planning

# REASONS WHY UPDATES ARE NECESSARY

- Last revised 2009
- Modifications in related areas have been made
  - Federal rules and guidance
  - State rules
  - Science and technology advances
- Referenced in several N.J.A.C. regulations
  - N.J.A.C. 7:27-8.5(d) – minor facilities
  - N.J.A.C. 7:27-22.3(cc), and -22.8(c) – major facilities
  - Facilities are advised to consult the manuals for technical guidance on how to prepare an air modeling and risk assessment protocol

# TECHNICAL MANUAL 1002

## AIR QUALITY IMPACT MODELING

- National Ambient Air Quality Standards Updated
- Model selection information revised to be consistent with revised 40 CFR Part 51, Appendix W, Guideline on Air Quality Models
- Special modeling considerations included
  - $\text{NO}_x$  to  $\text{NO}_2$  conversion ratio
  - Horizontal/rain cap stacks
- Improved meteorological data section with meteorological station details
- Background air quality information and guidance provided

# TECHNICAL MANUAL 1003

## PREPARING A RISK ASSESSMENT

- Procedure for facility-wide risk assessment outlined
- Risk screening worksheet revised to be consistent with
  - Current air quality models
  - Current unit risk factors and reference concentrations
  - Recent meteorological data
- Deletions made
  - Applicability for having to conduct a risk assessment
  - Comprehensive risk assessments

# TECHNICAL MANUALS 1002 & 1003

## PUBLIC INVOLVEMENT

- October 12, 2017 Stakeholder meeting
  - By invitation only
  - Presentations on both Technical Manuals
  - Open discussion
  - Comments due by October 23, 2017
- Will consider all comments
  - Make modifications
  - Will follow-up with commenters, as necessary
- Formal comment period in Q4, 2017
  - Publish in NJ Register
  - 30 day comment period