

# Ethylene Oxide Informational Town Hall

College of Lake County, Grayslake Campus  
*Grayslake, Illinois – October 2, 2019*



John J. Kim, Director  
Illinois Environmental Protection Agency

# Illinois EPA

- Creature of statute
- Statutory mission to safeguard environmental quality to protect health
- Primary tools:
  - Permitting
  - Regulations
  - Enforcement

# Ethylene Oxide Timeline

- USEPA reclassification
- Federal approach – assess, rule review
- Illinois – Willowbrook
- IEPA outreach to EtO sources

# Medline Industries

- Pushed for emission reductions
- Required new controls/measures modeled to ensure reduced risk
- Measures formed technical basis for Matt Haller Act
- Most restrictive requirements in country

# Medline Industries

- Permanent total enclosure
- New controls (scrubber, dry bed absorption)
- Back vent controls
- Improved control of emissions
- Common stack
- Annual limit of 150 pounds
- Continuous emissions monitoring

# Vantage Specialty Chemicals

- Pushed for emission reductions
- Achieved through enhanced controls
- Modeling being performed
- Permit transactions to follow

# Illinois EPA EtO Webpage

- [www2.illinois.gov/epa](http://www2.illinois.gov/epa)
- Google: Illinois EPA ethylene oxide
- General information
- Medline – Vantage
- Documents
  - Sterigenics Responsiveness Summary