



## Air Quality – Regulatory Update and Focus Areas In this Session

**Vipin Varma, NCASI**

**NCASI West Coast Regional Meeting**

**September 28, 2016**

# Regulatory and Guidance Activity

---

- ▶ Draft “non-binding” guidance on Significant Impact Levels (SILs) for Ozone and PM<sub>2.5</sub> – Aug 1, 2016
  - ▶ Permitting authorities could use SILs to help determine whether proposed PSD source causes or contributes to a violation of the corresponding NAAQS or PSD increments
  - ▶ If projected impact from a proposed source is < SIL value for a particular pollutant, the permitting authority can conclude the proposed source will not cause or contribute to a violation of a NAAQS or PSD increment for that pollutant.
  - ▶ **NAAQS SILs:** Ozone (8-hr) = **1 ppb**, PM<sub>2.5</sub> (annual) = **0.2 µg/m<sup>3</sup>**
  - ▶ **PSD Increment SILs for annual PM<sub>2.5</sub>**
    - ▶ = 0.05 µg/m<sup>3</sup> for Class I areas

# Regulatory and Guidance Activity

---

- ▶ Appendix W (Guideline for Air Quality Models) final revisions delayed yet again
  - ▶ Package submitted for OMB review on Sep 2, 2016
- ▶ **SSM SIP Call – SIP submission deadline Nov 22, 2016**
  - ▶ Flurry of activity as states prepare draft language
  - ▶ Region IV States receiving feedback that specific (and not generic) work practice standards need to be incorporated into SIP language
  - ▶ Several States opting to remove language on exemptions
  - ▶ WA to reinitiate rulemaking in March 2017?
  - ▶ 17 states and utility industry groups filed petitions questioning EPA authority – March 2016

## ....and finally Boiler MACT

---

- ▶ 07/29/16 Court Opinion ***vacating*** certain parts of the major source BMACT rule and ***remanding*** other parts
  - ▶ **Remands** “use of Carbon monoxide (CO) as surrogate for HAP” back to EPA for better explanation / justification of its use
  - ▶ **Vacates** emission standards for all subcategories where EPA was inconsistent in how it defined the subcategory (based on burning at least 10 percent of certain fuels) vs. how it conducted the floor analysis
  - ▶ More details and discussion during the Boiler MACT Panel

# Upcoming Regulatory Activity

---

- ▶ **Residual Risk and Technology Review (RTR) for Subpart MM Sources on proposal/promulgation schedule**
  - ▶ Proposed rule – January 2017
  - ▶ Final rule – October 2017
- ▶ **Subpart MM Residual Risk analysis**
  - ▶ Inhalation risks expected to be acceptable
  - ▶ Screening-level multi-pathway risk assessments also expected to show acceptable risks

# Emerging Focus Areas

---

- ▶ **Low cost sensors for fence-line and source-level measurements**
  - ▶ PM<sub>2.5</sub> and VOC sensors getting increased attention
  - ▶ Ever-expanding list of commercially available sensors
  - ▶ EPA's Office of Research and Development (ORD) review (and certification?) program
  - ▶ Screening level regulatory applications contemplated



Questions:

Vipin Varma, [vvarma@ncasi.org](mailto:vvarma@ncasi.org)

**NCASI Southern Regional Center**  
(352) 331 1745

