



# **Informational Meeting for Proposal of Amendment to Concrete Batch Plant Standard Permit**

# Rulemaking Process for the Concrete Batch Plant Standard Permit

- Review standard permit and determine changes to be made
- Conduct a protectiveness review
- Seek public participation
  - Stakeholder and Informational meetings
  - Publish in the *Texas Register* and newspapers
  - Hold public meeting
  - Receive public comments
- Respond to all public comments
- Standard permit to commission agenda meeting for decision

# Standard Permit Amendment Overview

- TCEQ has proposed to amend the standard permit, to include an updated protectiveness review to address potential health impacts of concrete batch plants registered under the standard permit.
- The updated PR includes:
  - Background concentrations to address cumulative impacts concerns
  - An evaluation of all pollutants against the current National Ambient Air Quality Standards (NAAQS), including particulate matter
  - An evaluation of crystalline silica concentrations against current Effects Screening Levels (ESLs)

# Proposed Updates to the Standard Permit

- Proposed changes to the standard permit include:
  - Updates to operating limits
  - New control requirements
  - Updated engine requirements
  - Increased setback distances depending on location and controls used
- Best management practices added
  - Prevention of sediment track out
  - Washing of aggregate prior to delivery to the site

# Proposed Updates to the Standard Permit

- Production limits

Current	Proposed
300 yd <sup>3</sup> /hr	200 yd <sup>3</sup> /hr (single plant) 300 yd <sup>3</sup> /hr (total for multiple plants)
6,000 yd <sup>3</sup> /day	No daily limit
No annual production limit	650,000 yd <sup>3</sup> /yr

- Engines - newer model engine required

# Proposed Updates to the Standard Permit

<b>Single Plant – Hourly production 200 yd<sup>3</sup>/hr</b>	
Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller	200 feet
Cameron and Hidalgo	300 feet
All other counties	100 feet
<b>Single Plant with Additional Controls - Hourly production 200 yd<sup>3</sup>/hr</b>	
All Counties	100 feet
<b>Multiple Plants with Additional Controls – Hourly production 300 yd<sup>3</sup>/hr</b>	
Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller	200 feet
Cameron and Hidalgo	200 feet
All other counties	100 feet

# Proposed Updates to the Standard Permit



- Three-sided enclosure with a flexible shroud hanging from above the truck (all plants and all locations) – improves control from 97.3% control to 99% control

# Proposed Updates to the Standard Permit

- Additional control option to shelter the truck loading operation with a three-sided solid enclosure or equivalent that extends from the ground level to three feet above the truck receiving funnel





# Proposed Updates to the Standard Permit

- Operational Requirements (Best Management Practices)
  - Wheel washing requirement to prevent tracking of sediment onto adjacent roadways and reduce generation of dust



- Washing of aggregate prior to delivery to the site

# Protectiveness Review

- Identify facilities
- Determine pollutants and emission rates
- Develop source parameters
- Conduct air dispersion modeling

# Modeled Facilities

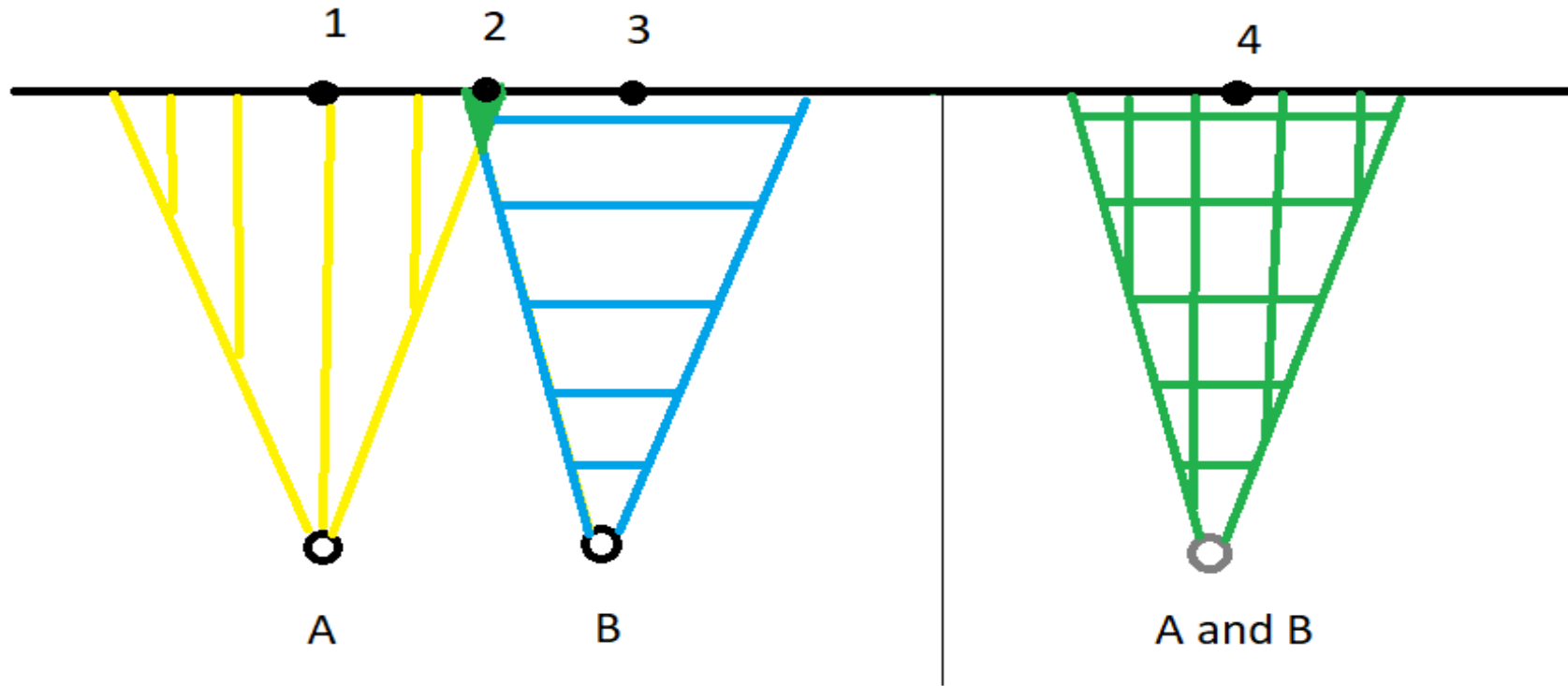
The emission generating facilities or activities in the protectiveness review include:

- Material handling operations
- Truck loading
- Stockpiles
- Cement silos
- Internal combustion engines

# Modeled Pollutants

- Carbon Monoxide (CO)
- Nitrogen Dioxide (NO<sub>2</sub>)
- Sulfur Dioxide (SO<sub>2</sub>)
- Particulate Matter (including PM<sub>10</sub> and PM<sub>2.5</sub>)
- Nickel (Ni)
- Formaldehyde (CHOH)
- Silica (SiO<sub>2</sub>)

# Co-locating Sources



# Protectiveness Review

- Model results and thresholds
- Background concentrations
- Setback distances

# How to Comment

- Mail to
  - Gwen Ricco  
MC 205, Office of Legal Services, TCEQ  
P.O. Box 13087  
Austin, Texas 78711-3087
- Fax
  - [fax4808@tceq.texas.gov](mailto:fax4808@tceq.texas.gov)

# How to Comment

- Electronic comments may be submitted at:  
<https://tceq.commentinput.com/comment/search>
- All comments should reference Non-Rule Project No. 2022-033-OTH-NR.



# Timeline

- End of Public Comment Period: June 14, 2023
- Commission Agenda: January 10, 2024
- Effective Date: Specified in Standard Permit

# Updates to Concrete Batch Plant Standard Permit Webpage

