

Information Session and  
Public Hearing  
for a  
Proposed Air Permit  
for  
Ajax Materials Co.

# Welcome

- Introduction of Air Quality Division staff
- Information Session
  - Presentation on proposed Permit
  - Question and Answer Session
- Public Hearing
- Ways to submit an official comment
- Where to find other information
- Whom to contact with further questions





All lines are muted during the meeting.



We are recording this meeting.

# How to ask a question?



Use the “Q/A”  
box in at the  
bottom of your  
screen.



Click the  
“hand” icon at  
the bottom of  
your screen.



Type #2 into  
your phone.

**#2**

# The Air Quality Division

Regulating sources of air pollutants to protect human health and the environment



## Acronyms:

AQD –  
Air Quality Division

## AQD Staff...

Monitor levels of air  
pollutants

Examine toxic air  
contaminants to ensure  
public health is  
protected

Conduct inspections of  
industrial sources of air  
pollutants for  
compliance with rules  
and permits

Review applications and  
write permits to meet  
regulations

# Air Permitting of Industrial Sources

AQD has the authority to regulate and permit industrial sources such as power plants, auto assembly plants, and steel mills. Review of permit applications are based on the project proposed.

Does not include:

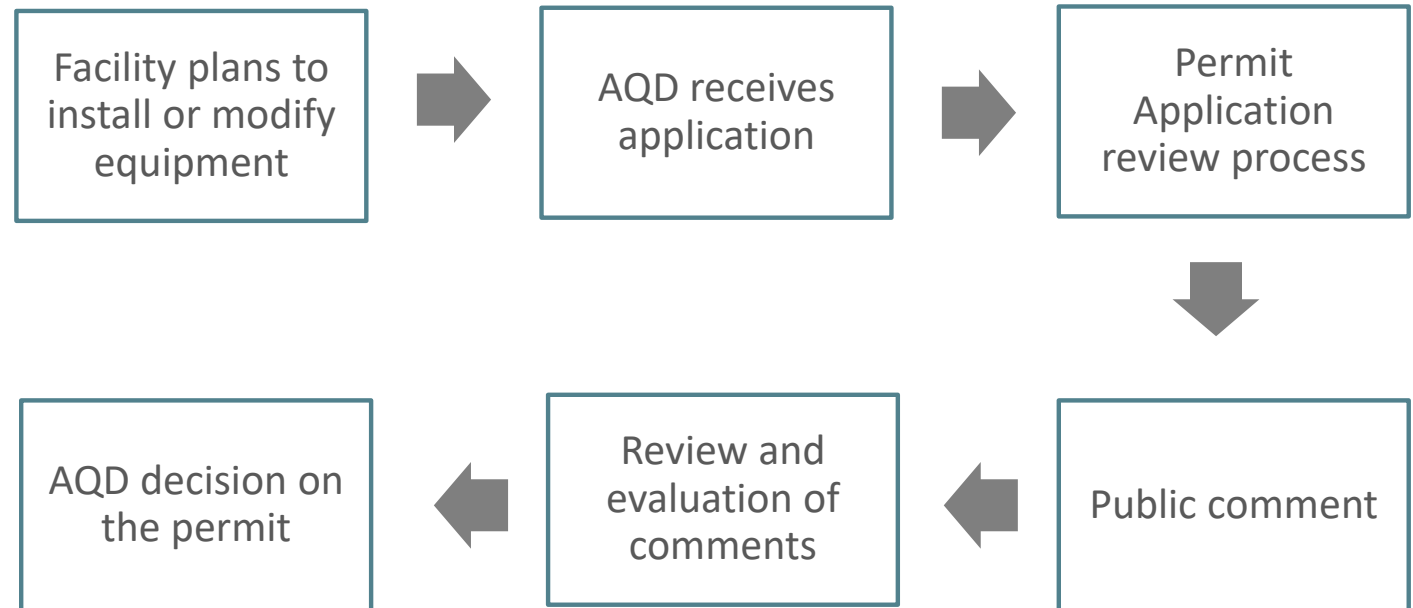
- Zoning
- Noise
- Traffic on public roads



## Acronyms:

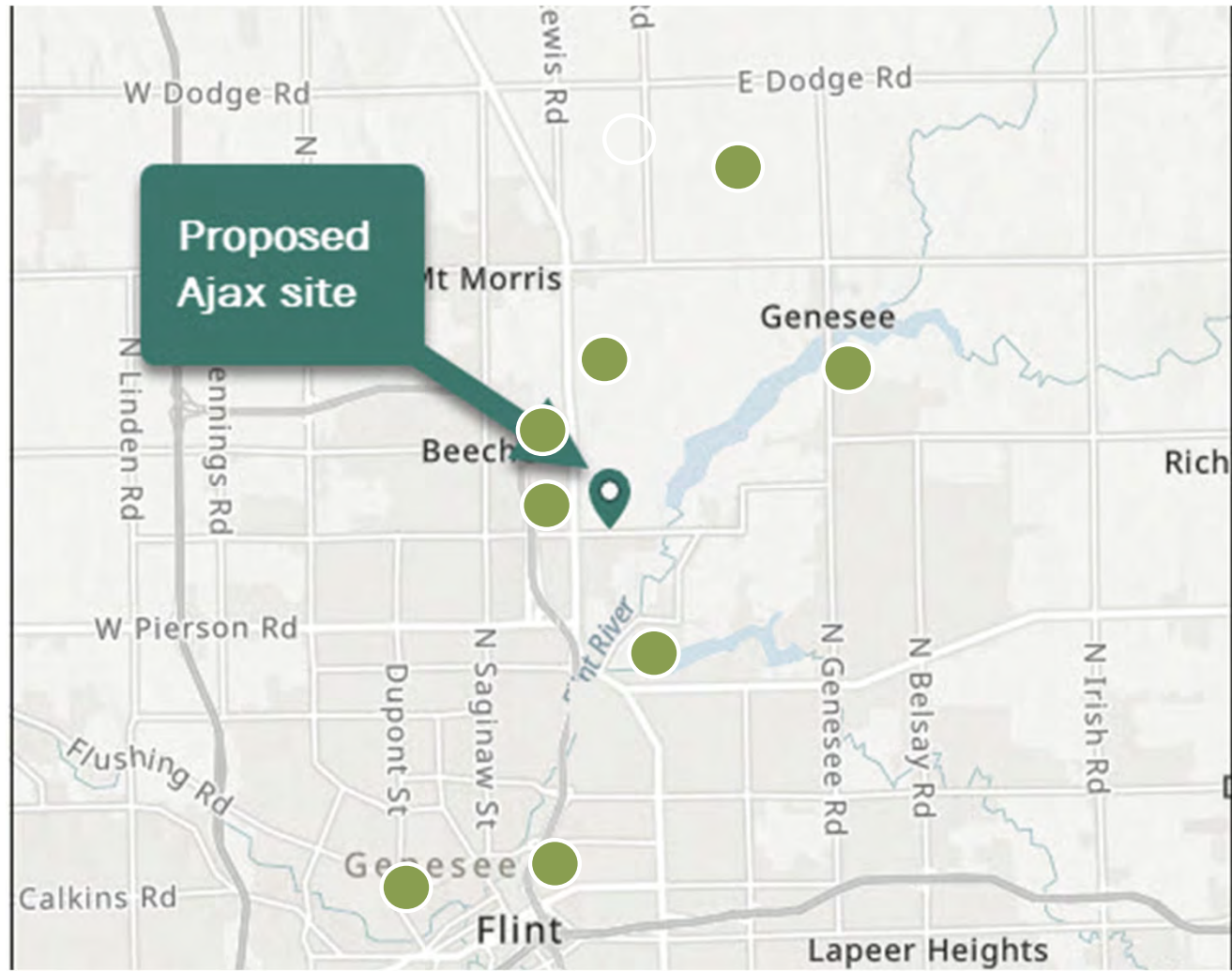
AQD –  
Air Quality Division

# The Permitting Process





# Proposed location and surrounding industry



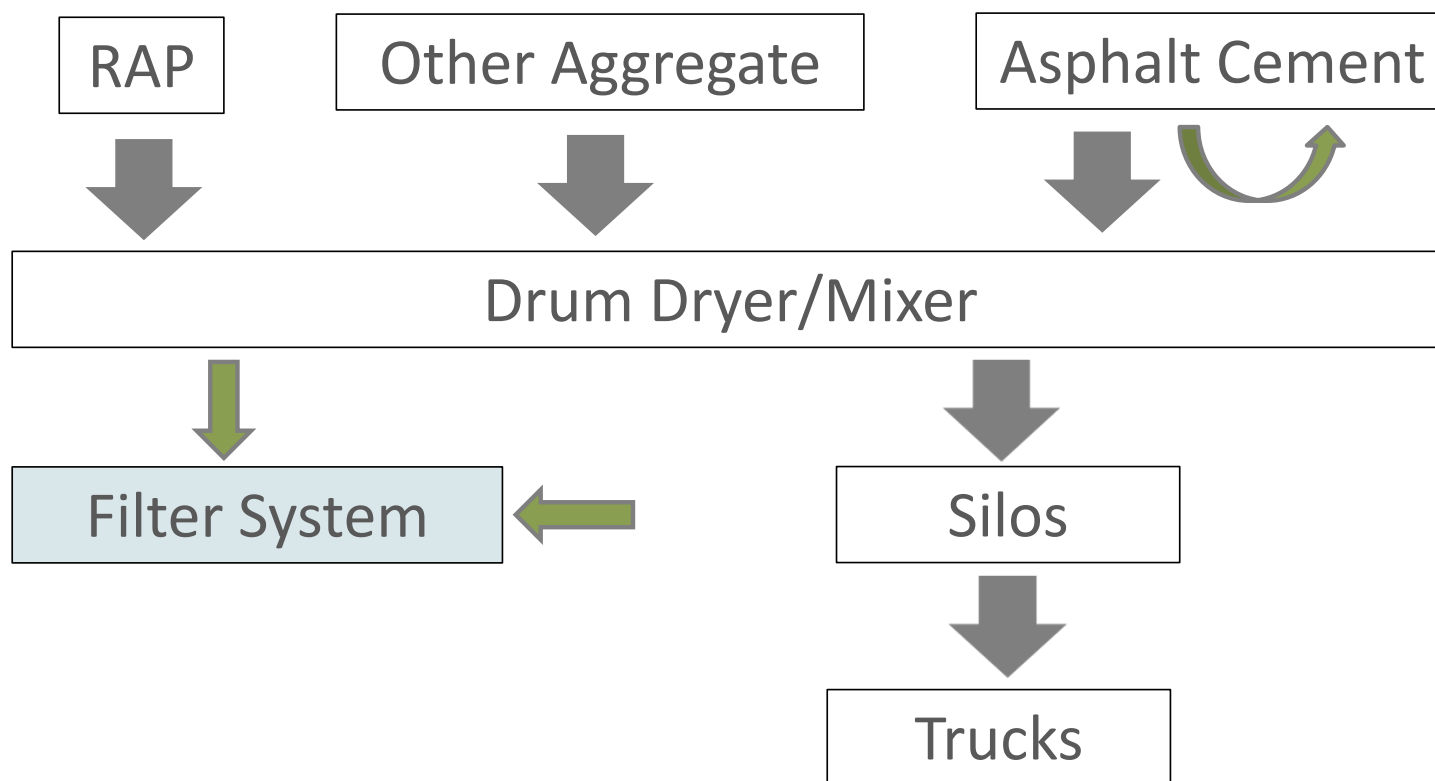
## Acronyms:

RAP – Recycled Asphalt Pavement

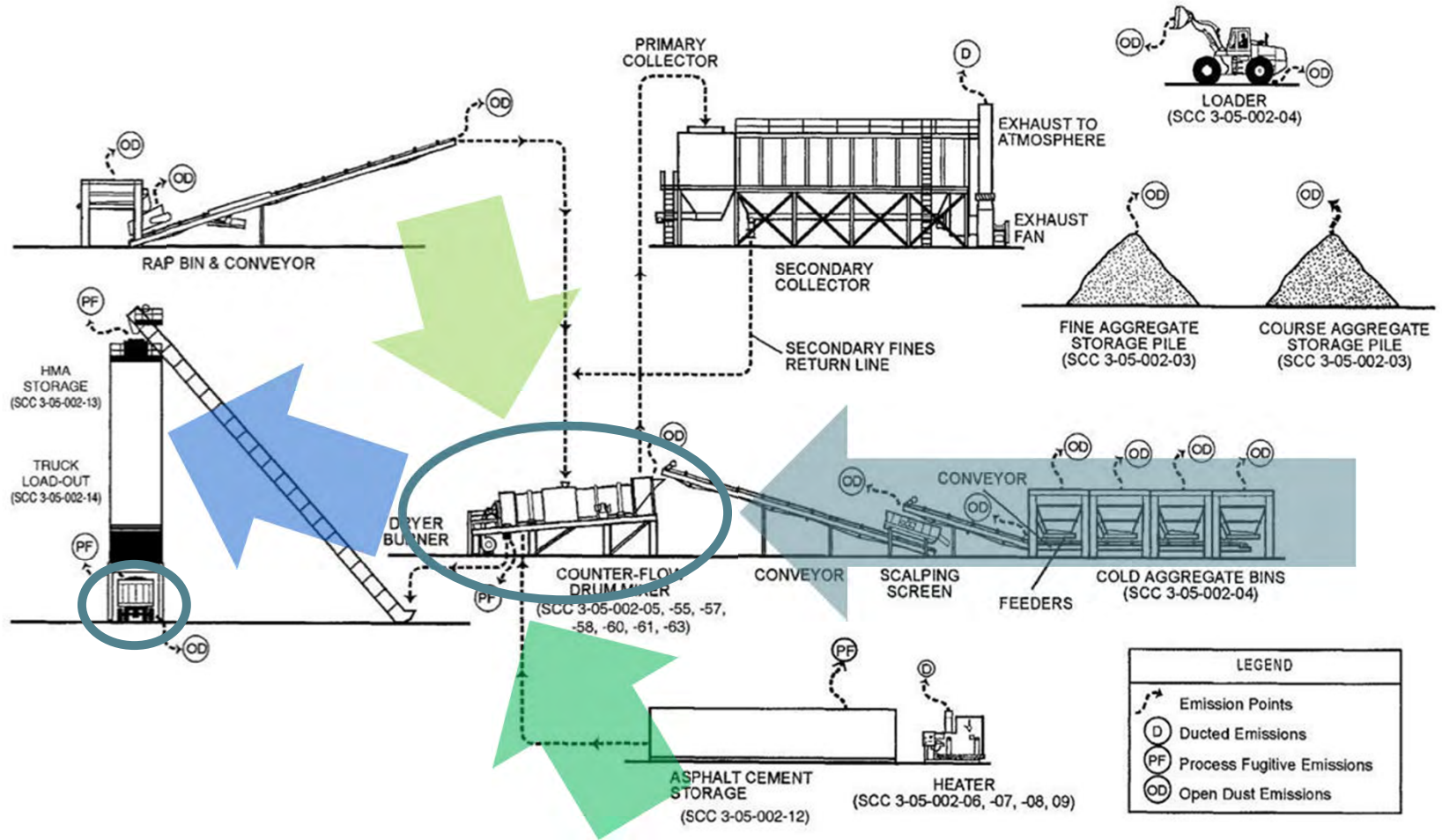
VOC – Volatile organic compounds

AQD – Air Quality Division at EGLE

# General Process at an Asphalt Plant



# Hot Mix Asphalt Plant Process example



## Acronyms:

PTI –  
Permit to Install

# What is the purpose of a PTI Permit?

- PTI Permits contain a set of rules (conditions) which are required for installation and operation of a process
- Permits only allow up to the worst-case scenarios which were reviewed (potential emissions will not be actual emissions)

## Acronyms:

AQD –  
Air Quality Division

TACs –  
Toxic Air  
Contaminants

PM –  
Particulate matter

# Permit Application Review



All applicable state and federal rules



All toxic air contaminants (TACs) must meet AQD screening levels



Modeling for Particulate Matter equal to or less than 10 microns (PM10), and Particulate Matter equal to or less than 2.5 microns (PM2.5)



Emission control equipment and procedures

# National Health-based Standards

Potential air impacts compared to National Ambient Air Quality Standards (NAAQS) for

- Carbon monoxide (CO)
- Particulate matter (PM10, PM2.5)
- Nitrogen oxides (NO<sub>x</sub>)
- Sulfur dioxide (SO<sub>2</sub>)
- Lead (Pb)

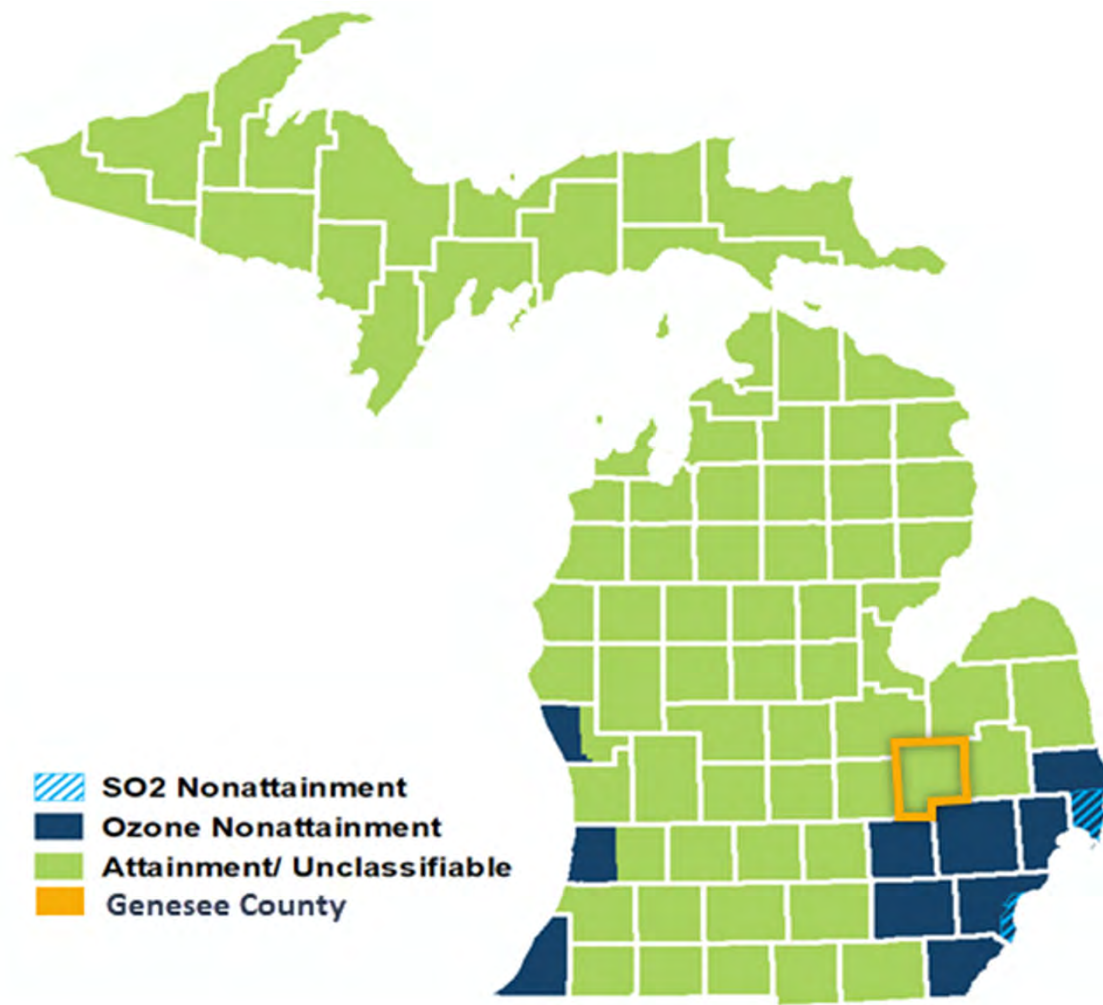
# National Health-based Standards

NAAQS are designed to protect against health problems like:

- Heart and lung problems
- Learning and development problems
- Premature death

Based on predicted impacts, the proposed emissions would not cause NAAQS violations

# Attainment Status Map





# State's Health-based Screening Levels

Potential air impacts are compared to state screening levels for toxic air contaminants

Designed to protect against health problems like developing cancer or breathing problems

Asphalt fumes are evaluated using cumulative risk methods to protect against cancer

Based on potential impacts, the proposed emissions would not violate screening levels



# Proposed Facility: Hot Mix Asphalt Plant

## Process Equipment

- Drum dryer/mixer and conveyers
- Yard sources (piles, on-site roads)
- Asphalt cement tanks
- Storage silos. The silos unit includes the loading of trucks.

## Control Equipment

- Counterflow Drum Design
- Air filtering system (Baghouse) for Drum emissions
- Top of silo capture and control
- Loadout capture and control system
- Asphalt tank vapor condensation and recovery system

## Acronyms:

RUO – Recycled  
Used Oil

# Proposed Draft Permit

## Summary of Requirements:

- Proper use, monitoring, and maintenance of emission control equipment
- Restrictions on fuel and materials processed
- Emission Limits
- Stack Testing
- Burner tuning
- Fugitive dust plan
- Compliance monitoring plan for RUO



# Controls: Baghouse & Counterflow Drum



# Load out and top of silo capture systems



## Definitions:

Stack testing: A measurement of what is coming out of a stack using a specific method of testing.

# Stack Testing

Stack testing is required by the proposed permit for:

- Particulate matter smaller than 10 microns (PM10)
- Particulate matter smaller than 2.5 microns (PM2.5)
- Nitrogen oxides (NO<sub>x</sub>)
- Lead



## Definitions:

Stack testing: A measurement of what is coming out of a stack using a specific method of testing.

## Acronyms:

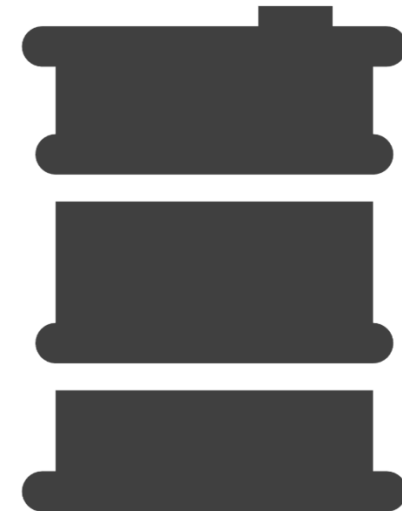
PM – particulate matter

NO<sub>x</sub> – Oxides of nitrogen

# Stack Testing

If the facility burns Recycled Used Oil fuel, they must also stack test for:

- PM<sub>10</sub>
- PM<sub>2.5</sub>
- NO<sub>x</sub>
- Sulfur dioxide (SO<sub>2</sub>)



# Inspections to Determine Compliance

- Asphalt plants are inspected regularly, typically at least once per year.  
*Inspector determines compliance w/ permit conditions and state and federal regulations*
- Additional inspections may be done in response to complaints
- Random odor evaluations and site observations





# AQD Staff

## Panel

Ambrosia (Amber) Brown– Permit Section

Dan McGeen– District Office

Steph Hengesbach– Modeling Unit

Keisha Williams– Toxics Unit

Susan Kilmer – Air Monitoring

Jenifer Dixon – Moderator



# Public Hearing

Reminder: During this portion of the meeting we will not be responding to your comments. These comments are for the official record and all comments will be reviewed and considered by the Decision Maker prior to a final action on the proposed permit.

Decision Maker- Mary Ann Dolehanty  
AQD Division Director  
Hearing Officer – Jenifer Dixon



# How can you submit an official comment?



Annette Switzer, Permit Section Manager, EGLE, AQD, P.O. Box 30260,  
Lansing, Michigan, 48909-7760



[EGLE-AQD-PTIPublicComments@Michigan.gov](mailto:EGLE-AQD-PTIPublicComments@Michigan.gov)



Call 517-284-0900



In person on August 11. Genesee Township Hall,  
7244 N Genesee Road, Genesee Township from 6 to 8 pm

# Where to find other information

- Proposed Project Summary
- Technical Fact Sheet
- Proposed Permit Terms and Conditions
- Links to meeting recordings

Michigan.gov/Air, choose Public Notice , then choose New Source Review (NSR) Permits Open for Comment

# Who to contact with further questions

## Permits

Ambrosia Brown  
BrownA39@Michigan.gov  
517-648-6216

## Complaints/Inspections

Dan McGeen  
McgeenD@Michigan.gov  
517-648-7547

## Air Monitoring

Susan Kilmer  
KilmerS@Michigan.gov  
517-242-2655

## Air Modeling

Steph Hengesbach  
HengesbachS1@michigan.gov  
517-648-6766

## Toxics

Keisha Williams  
WilliamsK29@Michigan.gov  
517-582-3721

Pollution Emergency Number: 800-292-4706

# THANK YOU!

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We will share the slides and a recording and subtitled copy of the today's conversation via email and on our website in the next few days.