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# Air Permitting & Compliance

## Embracing Change & Planning for the Future

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# Changing Regulations

- **AP-42 Emission Factors**
- **LandGEM Revisions**
- **Fugitive Emissions Rule**
- **PM2.5 Standards & Redesignation**
- **State Implementation Plans**

# AP-42 Emission Factors

## AP-42: Compilation of Air Emissions Factors from Stationary Sources

### Compilation of Air Pollutant Emissions Factors from Stationary Sources (AP-42)

AP-42, *Compilation of Air Pollutant Emissions Factors from Stationary Sources*, has been published since 1972 as the primary compilation of EPA's emissions factor information. It contains emissions factors and process information for more than 200 air pollution source categories. A source category is a specific industry sector or group of similar emitting sources. The emissions factors have been developed and compiled from source test data, material balance studies, and engineering estimates. The latest emissions factors are available below on this website. Use the AP-42 Chapter webpage links below to access the document by chapter. Emission factors are being updated as data are received and evaluated. **The most recent update is Chapter 2, Section 2 - Sewage Sludge Incineration (5/2023).**

### Alerts

2/29/2024 -

[EPA is releasing TANKS 5.0 for beta testing](#). EPA has also drafted an update to [AP-42 Chapter 7, Section 1 – Organic Liquid Storage Tanks](#). Comments on both the TANKS 5.0 application and the AP-42 section will be accepted through April 15, 2024, and can be sent to: [efcomments@epa.gov](mailto:efcomments@epa.gov).

1/12/2024 -

EPA has drafted new emission factors for AP-42 Chapter 2, Section 4 –

# LandGEM Revision

LandGEM - Version 3.1Beta (December 2023) ✕



## LandGEM

### Landfill Gas Emissions Model

**Version 3.1BETA**  
**NOT FOR REGULATORY USE**

U.S. Environmental Protection Agency  
Office of Research and Development  
Center for Environmental Solutions  
and Emergency Response (CESER)  
and  
Clean Air Technology Center (CATC)  
Research Triangle Park, North Carolina

December 2023

# Fugitive Emissions Rule



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**ENVIRONMENTAL PROTECTION  
AGENCY**

**40 CFR Parts 51 and 52**

**[EPA-HQ-OAR-2004-0014; FRL-4940.2-  
03-OAR]**

**RIN 2060-AQ47**

**Prevention of Significant Deterioration  
(PSD) and Nonattainment New Source  
Review (NNSR): Reconsideration of  
Fugitive Emissions Rule**

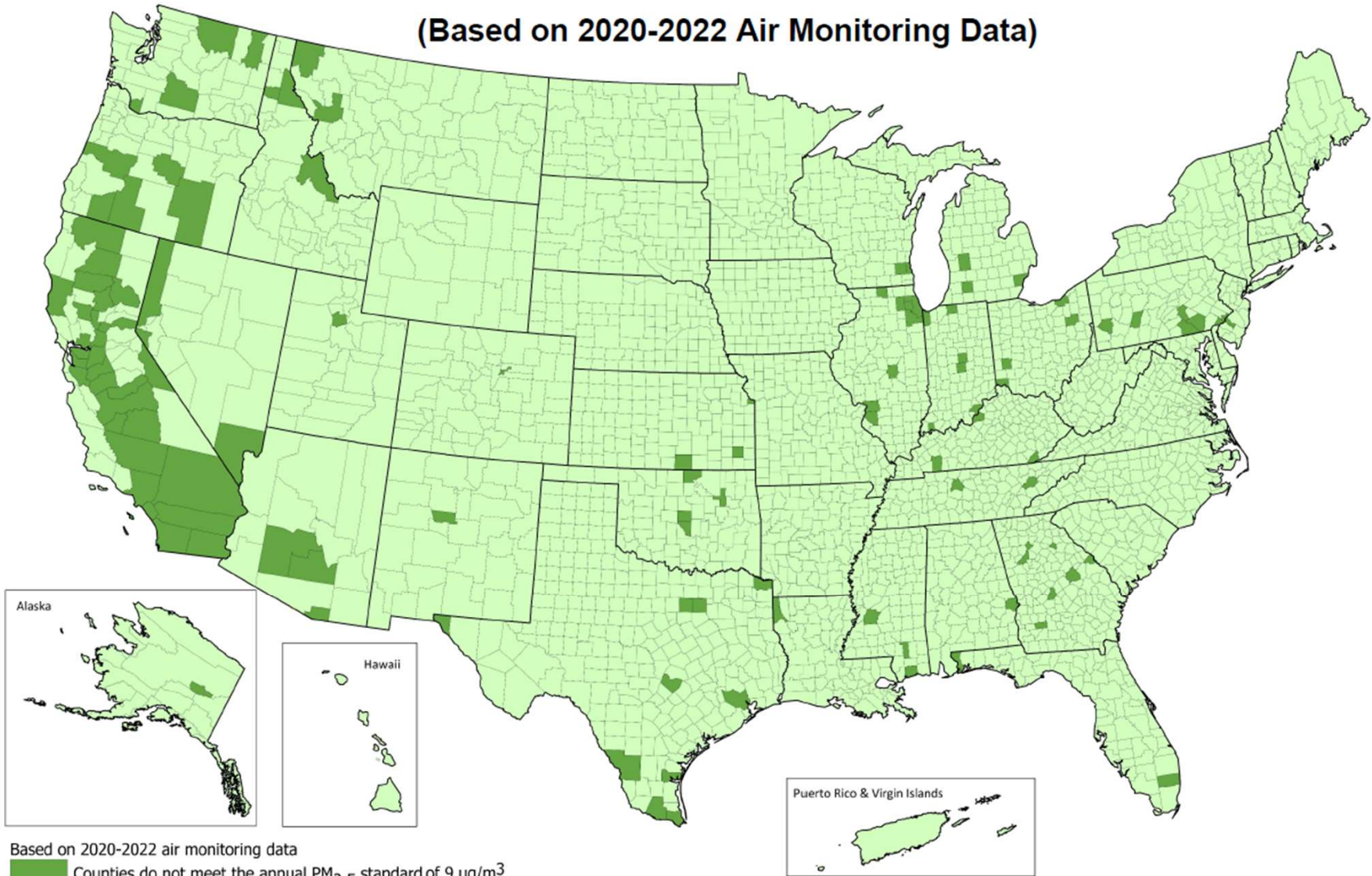
**AGENCY:** Environmental Protection  
Agency (EPA).

**ACTION:** Proposed rule.

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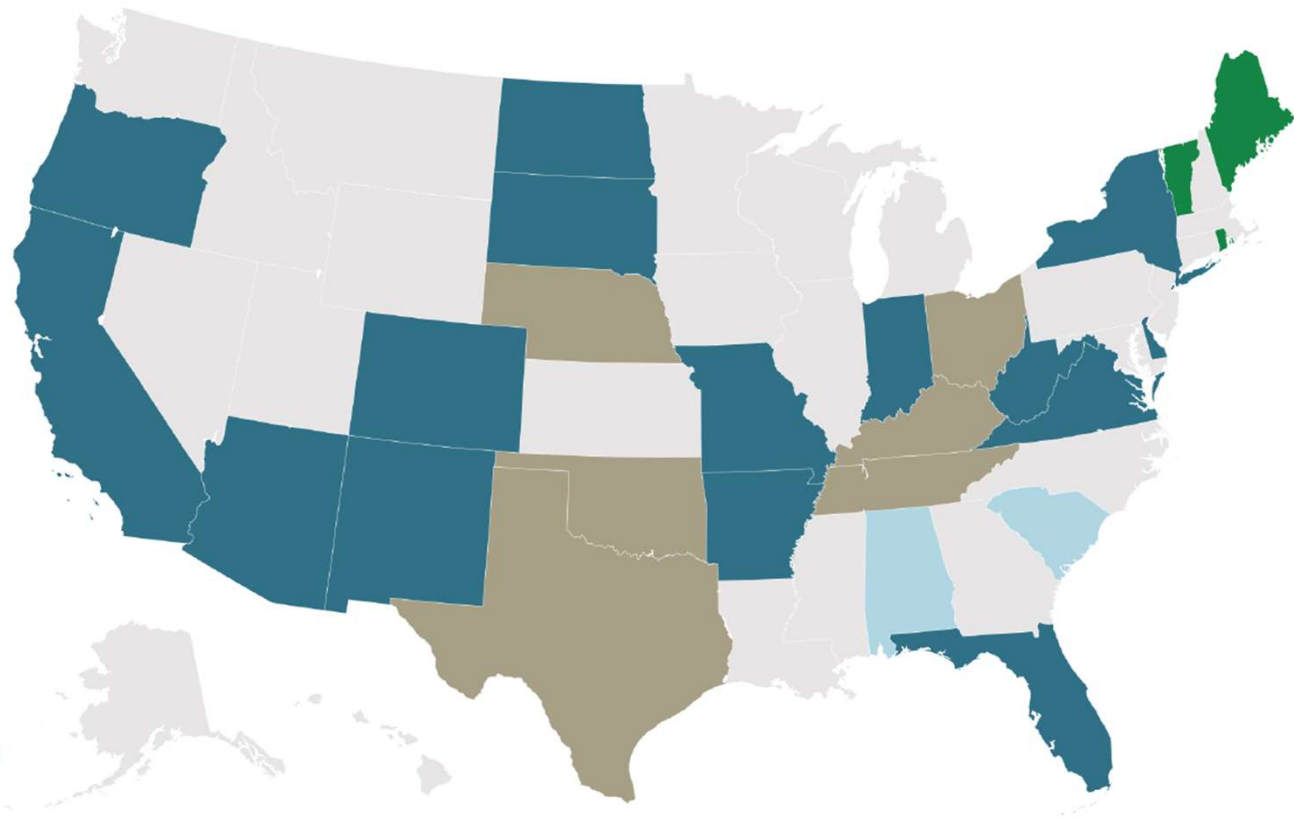
**SUMMARY:** The Environmental Protection Agency (EPA) is proposing to repeal regulatory amendments promulgated through a final rule adopted in 2008 under the Clean Air Act (CAA or Act) that addressed the consideration of “fugitive” emissions of air pollutants from stationary sources when determining the applicability of certain permitting requirements under the Act. Those amendments have been stayed as a result of the reconsideration process. To bring closure to the reconsideration proceeding, the EPA is proposing to fully repeal the 2008 rule by removing

(Based on 2020-2022 Air Monitoring Data)



# Implementation of State Plans

- Approved State Plan
- Pending EPA Approval
- In Process at State Level
- Negative Declaration



*Please note additional information.*

Partial Approval for California

**Plan approved for following areas:**

Pinal County, Arizona



**Negative Declaration approved for following areas:**







District of Columbia

Albuquerque and Bernalillo Counties, New Mexico

Philadelphia, Pennsylvania

# Environmental Justice

State	Tool	Operating Body
California	<a href="#">CalEnviroScreen</a> 	California Office of Environmental Health Hazard Assessment
Colorado	<a href="#">Colorado EnviroScreen</a> 	Colorado Department of Public Health and Environment
Colorado	<a href="#">Environmental Justice Demo Map</a> 	Mapping for Environmental Justice
Connecticut	<a href="#">Connecticut Environmental Justice Communities</a> 	Connecticut Department of Energy and Environmental Protection
Illinois	<a href="#">Environmental Justice Communities</a> 	Illinois Solar For All
Illinois	<a href="#">Illinois EJStart</a> 	Illinois EPA
Indiana	<a href="#">Hoosier Resilience Index</a> 	Indiana University
Maryland	<a href="#">MD EJSCREEN</a> 	Maryland Environmental Health Network
Maryland	<a href="#">MDE EJ Screening Tool</a> 	Maryland Department of the Environment
Massachusetts	<a href="#">Environmental Justice Viewer</a> 	Massachusetts Department of Environmental Protection
Michigan	<a href="#">Screening Tool for Environmental Justice in Michigan</a> 	University of Michigan

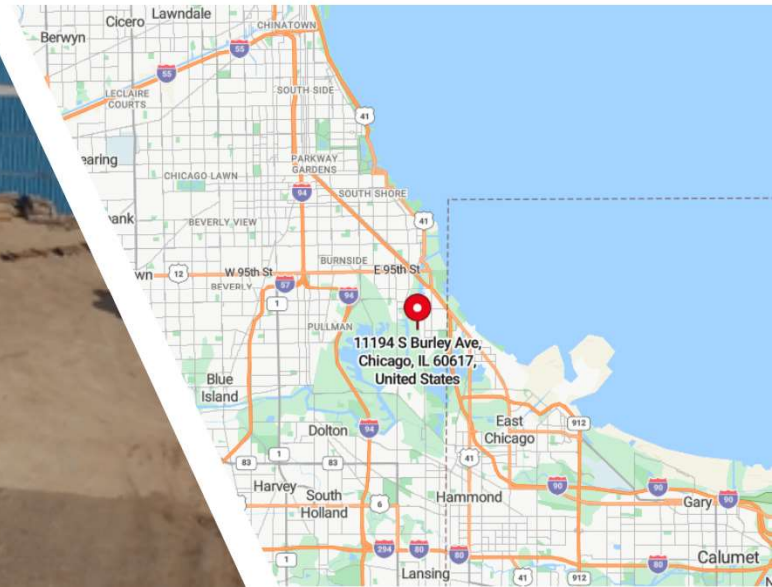
State	Tool	Operating Body
Michigan	<a href="#">MiEJScreen</a> 	Michigan Department of Environment
Minnesota	<a href="#">Understanding Environmental Justice in Minnesota</a> 	Minnesota Pollution Control Agency
New Jersey	<a href="#">New Jersey Environmental Justice Mapping Tool</a> 	New Jersey Department of Environmental Protection
New York	<a href="#">Potential Environmental Justice Areas</a> 	New York Department of Environmental Conservation
North Carolina	<a href="#">North Carolina Community Mapping System</a> 	North Carolina Department of Environmental Quality
Pennsylvania	<a href="#">Environmental Justice Areas Viewer</a> 	Pennsylvania Department of Environmental Protection
Virginia	<a href="#">Environmental Justice Demo Map</a> 	Mapping for Environmental Justice
Washington	<a href="#">Washington Tracking Network</a> 	Washington Department of Health



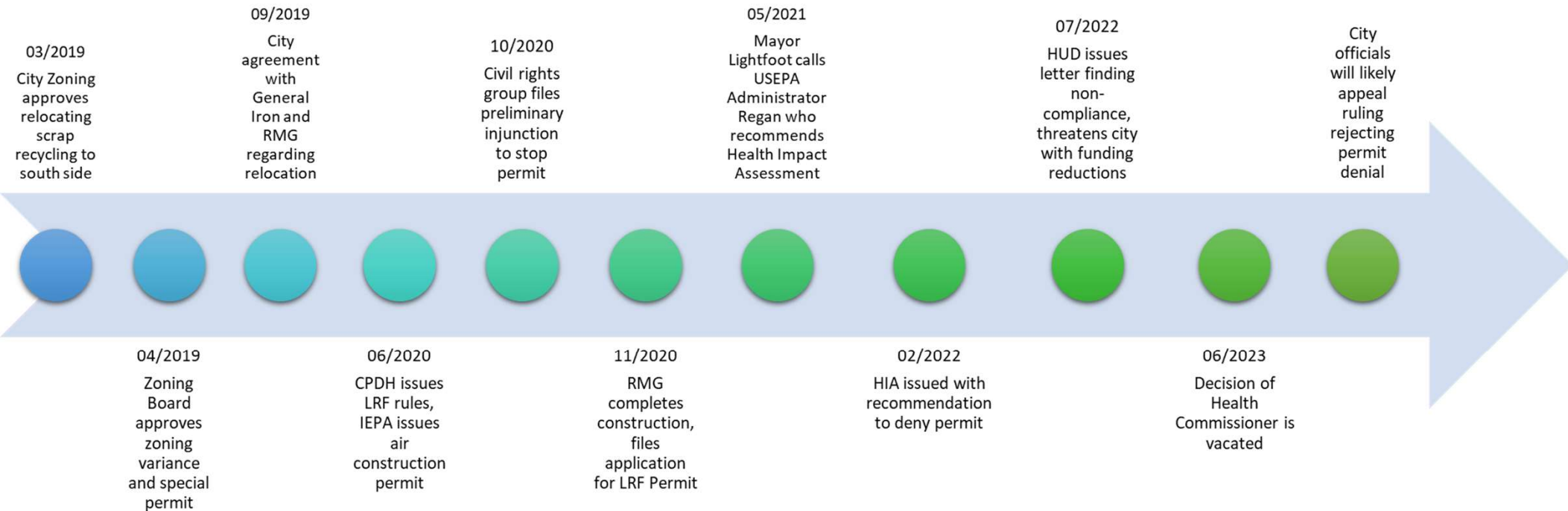


# SOUTHSIDE

## RECYCLING

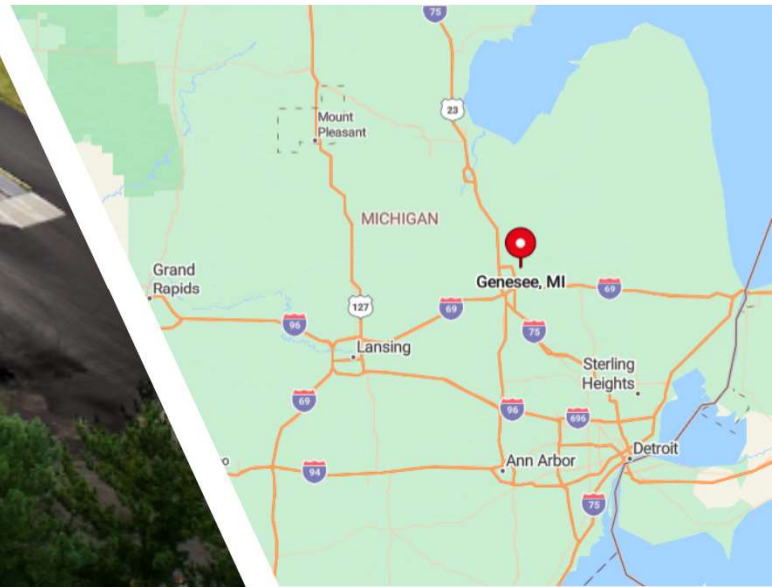


# RMG Permitting Timeline





**The Future  
is Riding on AJAX.®**

The logo consists of a stylized white graphic resembling a road or a pair of legs, enclosed within a black circle on a yellow square background. Below the graphic, the word "AJAX" is written in a bold, black, sans-serif font.

# AJAX Permitting Timeline

09/16/2021  
EPA Reg V  
comments  
on draft air  
permit

12/15/2021  
Earth  
Justice files  
Title VI  
complaint

AJAX Files  
petition for  
review of  
permit due  
to stricter  
conditions  
than were  
in draft PTI

EJ  
advocates  
will likely  
appeal the  
court ruling

11/15/2021  
EGLE  
issues air  
permit to  
construct to  
AJAX

01/09/2022  
Flint City  
Council  
votes to  
appeal the  
air permit

06/20/2023  
Circuit  
Court  
upheld  
EGLE  
decision to  
issue  
permit

# Current Litigation



# Trends in Sustainability



**Zero Waste**



**Lower Carbon Footprint**



**Reduce Methane Emissions**



**Focus on Circular Economy**

# Any Questions?

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