

# The Air You Breathe

Free Quarterly Newsletter from Akron Regional Air Quality Management District

November 2022

Volume 37, Issue 4

## EPA Update EJSCREEN

EPA has updated and added new capabilities to [EJScreen](#), the Agency's publicly available environmental justice screening and mapping tool. EJScreen 2.1 makes important improvements to better meet the needs of users, including the addition of new data on US territories, supplemental indexes, threshold maps, and refreshed demographic and environmental data.

EJScreen now includes environmental, demographic, and index data for the US Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands. Although EPA does not have the full complement of data for territories that are available for the fifty states, the inclusion of all currently available data is an important step forward in pushing for complete inclusion of all communities in the United States in such tools.

In addition to the twelve existing environmental indicators and corresponding EJ indexes, EPA has created a set of "supplemental indexes" as an additional method to highlight vulnerable populations that may be disproportionately impacted by pollution. The supplemental indexes use the same methodology and calculation as the EJ Indexes but incorporate a new five-factor supplemental demographic index. The five socioeconomic indicators considered are percent low-income, percent limited English-speaking, percent less than high school education, percent unemployed, and low life expectancy. While EPA will continue to primarily rely on the EJ indexes, which use an average of percent low income and percent people of color, the supplemental indexes can provide an additional perspective on potential community vulnerability and may be more relevant for use in certain situations such as awarding grants.

EPA has also included threshold maps with the release of EJScreen 2.1. The threshold maps allow EJScreen users to look across all twelve indexes at once, providing a cumulative outlook on vulnerable populations facing higher pollution burdens. Threshold maps are available for both the EJ indexes and the supplemental indexes and are available for comparison at the national and state level, offering users the capability to take a broader view of the indexes to help highlight areas that may warrant additional consideration, analysis, or outreach.

This update also features the newest available 2016 – 2020 American Community Survey (ACS) data from the U.S. Census. Some of the environmental datasets have also been refreshed. This update includes several enhancements to components of the methodology and underlying calculation for the EJ indexes and supplemental indexes. These were based upon user and expert academic feedback and will enhance the tool's ability and provide greater transparency into the inner workings of the tool.

Short videos explaining how to use EJScreen are available by following this [link](#).

### in this issue

- EJScreen Update P.1
- New Engineer P.1
- Public Comment P.2
- EPA EJ FAQs P.2
- AQ by the Numbers P.3
- Special Monitoring P.4

## ARAQMD Has a New Engineer!

ARAQMD is excited to welcome Ousman Leigh to our team of air quality engineers. Ousman is a graduate of Pennsylvania State University.



He is new to the greater Akron area and says that he enjoys the hiking trails and diversity of food in the region. As for sports, Ousman is a soccer enthusiast and Manchester United is his favorite team.

When asked why he was excited to work with ARAQMD he stated, "I enjoy helping people and working in Air Quality allows me to improve their standard of living."

Welcome to ARAQMD, Ousman!

# Issues Open for Public Comment with Ohio EPA

Review the following issues that Ohio EPA will be accepting public comments on through November 2, 2022.

The Division of Air Pollution Control (DAPC) is making available for public comment draft permit language for potential amendment of General Permit 8.1 – Mineral Extraction. Changes to the permit include updated BAT requirements in accordance with SB 165, corrections to typographical and grammatical errors, updated emission factors, and updated reporting language to reflect current Terms & Conditions Library terms.

A copy of the draft permit may be viewed on Ohio EPA's website by following this [link](#).

Ohio EPA will be accepting comments on this draft permit language through Monday, November 7, 2022.

## **GP 10.1/10.2 Revisions**

The Division of Air Pollution Control (DAPC) is making available for public comment draft permit language for potential amendment of General Permit 10.1 – Aggregate Processing Plant Employing Dust Control Measures, in Both Appendix A and Non-Appendix A, and Without Baghouse or Wet Scrubber Control. Changes to the permit include updated BAT requirements in accordance with SB 165, typographical and grammatical corrections, updated reporting language to reflect current Terms & Conditions Library terms and NSPS requirements, updated emission factors, corrections to applicable opacity limitations, and removed reporting requirements for equipment replacement allowed under “like-kind replacement policy.

A copy of the draft permit may be viewed on Ohio EPA's website by following this [link](#).

Ohio EPA will be accepting comments on this draft permit language through **Monday, November 7, 2022.**”

**EG 46 - Guide 46** – “Determination of cost-effectiveness for BAT and RACM evaluations” – removed on 7/26/2022 – obsolete Replaced with a link to [U.S. EPA's Air Pollution Control Cost Manual](#).

## **Availability of Draft for Comment – Ohio's Attainment Demonstration for the Cleveland, OH Moderate 2015 Ozone Nonattainment Area**

Ohio EPA is providing for public comment a [draft attainment demonstration state implementation plan \(SIP\)](#) for the 2015 Ozone National Ambient Air Quality Standard (NAAQS) for the Cleveland, OH nonattainment area. The Cleveland nonattainment area, currently designated as marginal nonattainment for the 2015 ozone standard, did not attain the ozone standard by the end of the 2020 ozone season (October 31). Therefore, U.S. EPA reclassified the area to moderate nonattainment, which triggers additional requirements under Clean Air Act (CAA), including an attainment demonstration due by January 1, 2023 detailing how the ozone NAAQS will be attained.

Ohio EPA will be providing a public comment period on the draft plan through November 7, 2022. Ohio EPA will be holding both a virtual and in-person public hearing on the draft plan on **Monday, November 7, 2022 at 3:30 p.m.** Please see the [public notice](#) for information on the draft attainment demonstration, the hearing and how to submit comments.”

# EPA Environmental Justice & Civil Rights in Permitting FAQs

## **EPA Environmental Justice and Civil Rights in Permitting Frequently Asked Questions (FAQs)**

For far too long, communities across our country have faced environmental injustices and have borne the brunt of toxic pollution. As part of EPA's effort to address environmental justice concerns, the agency is making available a set of FAQs to help federal agencies understand how they can integrate environmental justice and civil rights into environmental permitting processes.

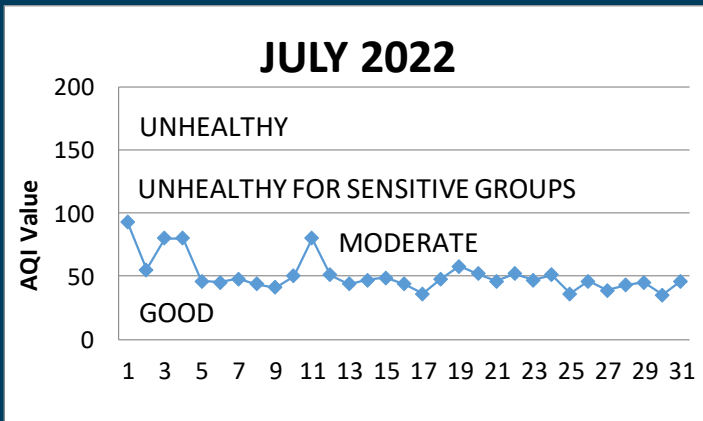
The Environmental Justice and Civil Rights in Permitting FAQs provides information to EPA, federal, tribal, state, and local environmental permitting programs on how to integrate EJ into their permitting processes. It also outlines how recipients of EPA financial assistance are obligated to comply with federal civil rights statutes, including Title VI of the Civil Rights Act of 1964, in their permitting processes.

Find the document by clicking [here](#).

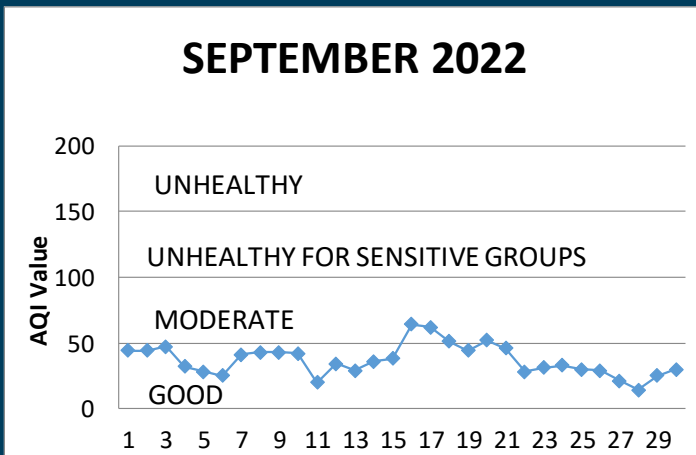
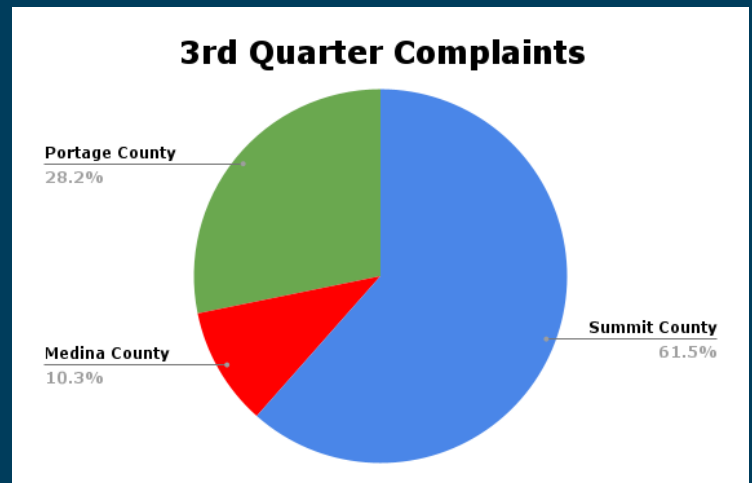
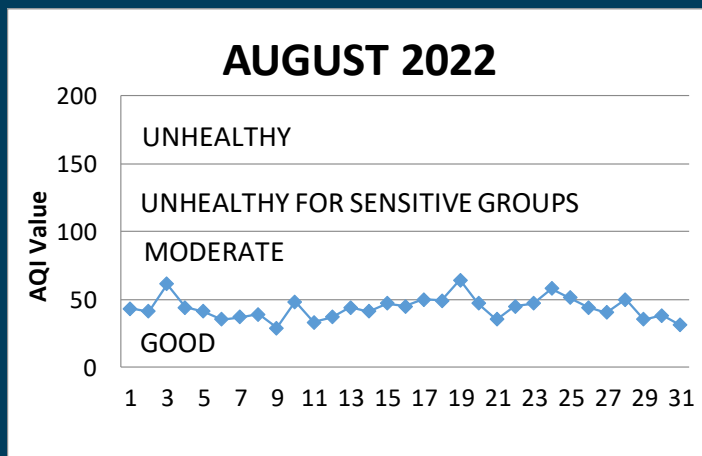
# AQ by the Numbers: 3rd Quarter 2022

## Air Quality Index

## Complaints & Inspections



Area/ Health District	Commercial/ Industrial	Residential	Total
Summit County	9	15	24
Medina County	1	3	4
Portage County	5	6	11
Kent	0	0	0



Site Visits	3rd Quarter 2022
FEPTIO	19
Title V	0
Non Title V	42
Full Compliance Evaluations	23

## Additional Stats

Permits Issued							
3rd Quarter 2022	Permit to Install		Permit to Install & Operate		Title V		Permit by Rule
	Draft	Final	Draft	Final	Draft**	Final	Total
**Includes - Preliminary Proposed Permits & Proposed Permits	0	1	0	29	2	2	19

Asbestos	
3rd Q- Notifications	54
3rd Q- Inspections	41



1867 W. Market St.  
Akron, OH 44313  
330.375.2480 ph.  
330.752.7792 fax  
[www.araqmd.org](http://www.araqmd.org)  
[araqmd@schd.org](mailto:araqmd@schd.org)

A service of Summit County Public Health

## Special Monitoring Report Results Available Online

In special circumstances, ARAQMD will perform canister air sampling. Most often this will be in response to a large volume of odor complaints from a specific area. Canister air sampling can determine what is in the air at a particular moment in time...a snapshot of the conditions.

In 2022, ARAQMD performed these tests at two separate locations; one was performed in April (Ravenna) and the other in July (Mantua) ...both in Portage County.

You can find the full, four page, reports for either of these tests by going to our website: <https://www.scpd.org/air-quality/special-monitoring>

**Report of Analysis**  
For: **AIR Canister**  
Ohio EPA DAPC, Lazarus Government Center  
Columbus, OH 43215  
Attn: **Royne Knight**

Report Date: 5/1/2022

Lab Sample ID: 2200209-01      Collection Date: 7/7/2022      11:30 AM  
Site:      Start Collect: 7/7/2022      10:58:08 AM  
Location: Mantua - Special Grab Sample for sPACVD      End Collect: 7/7/2022      11:30:00 AM  
Client Sample ID:      Filter/Canister #: C35  
Received Date: 8/9/2022 11:01:37 AM      Air Filter vol (m3):  
Collector: High Volume      Filter Status:  
Air Type: Special Grab Sample      Pressure: 0  
Matrix: Air Canister      Sample Type: Grab  
Matrix Type:      Client Info:

Lab/Field Comment: Special grab sample for sPACVD. Canister was placed on top of shipping box, elevated approximately 155 inches during sampling. Received post-touring. Comment added 5/6/22 per PMP/PT.

ANALYTE	Result	Units	GC	FL	Qual	Date
1,1,1-Trichloroethane	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,1,2,2-Tetrachloroethane	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,1,2-Trichloro-1,2,2-Tetrafluoroethane	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,1,2-Trichloroethane	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,1-Dichloroethane	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,2-Dichloroethane	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,2,4-Trichlorobenzene	<0.200	0.00	ppbv	1	0.200	PT,U - 8/10/2022
1,2,4-Trifluorobenzene	<0.200	0.00	ppbv	1	0.200	PT,U - 8/10/2022
1,2-Dichlorobenzene	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	<0.100	0.0200	ppbv	1	0.100	PT,U - 8/10/2022
1,2-Dimethoxybenzene	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,2-Dimethoxybenzene	<0.100	0.0100	ppbv	1	0.100	PT,U - 8/10/2022
1,2-Dimethoxybenzene	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,3,5-Trimethylbenzene	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,3-Dibutadiene	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,3-Dimethoxybenzene	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,4-Dimethoxybenzene	<0.100	0.00	ppbv	1	0.100	PT,U - 8/10/2022
1,4-Dioxane	<0.200	0.00	ppbv	1	0.200	PT,U - 8/10/2022
2,2,4-Trimethylpentane	<0.200	0.0200	ppbv	1	0.200	PT,U - 8/10/2022

8/165 E. Main St.  
Riversideburg, OH 43088  
(614) 664-6147

Page 1 of 4

