

Appendix A – Mobile Source Emissions Technical Support Document

**SECOND MAINTENANCE PLAN FOR THE 2008 OZONE STANDARD FOR THE
CINCINNATI-HAMILTON OH-KY-IN AREA FOR NATIONAL AMBIENT AIR
QUALITY STANDARDS (NAAQS) – TECHNICAL DOCUMENTATION FOR
MOBILE SOURCE EMISSIONS**

August 7, 2024



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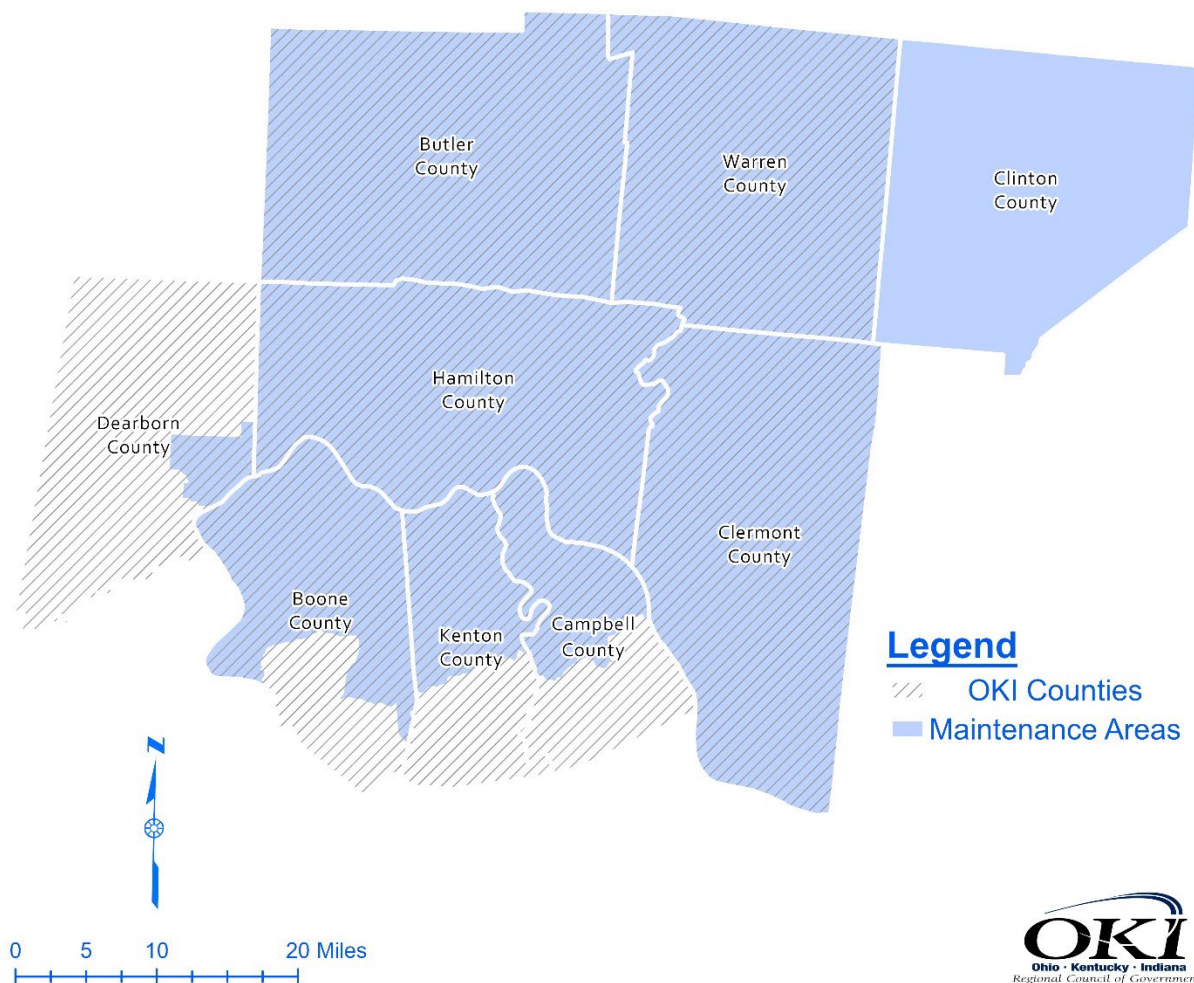
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BACKGROUND

This report documents the maintenance plan process used by OKI to develop mobile source emissions inventories for the 2008 ozone standard for the State Implementation Plans (SIP) of Ohio, Kentucky and Indiana which complies with the Clean Air Act.

The region continues to be classified as a maintenance area for the 2008 Ozone National Ambient Air Quality Standard (NAAQS). The 2008 ozone area (Figure 1) includes the counties of Butler, Clermont, Clinton, Hamilton, and Warren in Ohio; a portion of the counties of Boone, Campbell and Kenton in Kentucky; and a portion of Dearborn County Indiana.

Figure 1 – Cincinnati-Middletown-Wilmington OH-KY-IN Ozone Maintenance Area – 2008 Ozone



OKI'S MOBILE EMISSIONS INVENTORY PROCESS

The mobile source emissions inventory involves the process of estimating mobile source emissions of volatile organic compounds (VOC) and oxides of nitrogen (NOx) resulting from the transportation system for various years described below. This is accomplished by estimating vehicle miles of travel and vehicle speed of travel using travel demand models in conjunction with the EPA MOVES4 model. Central to travel demand forecasting are the transportation networks (highway and transit) as well as demographic data.

Transportation networks

OKI's highway and transit networks include the existing transportation system plus all regionally significant projects in OKI's Metropolitan Transportation Plan and TIP that would normally be subject to air quality conformity requirements (non-exempt), regardless of funding source. A list of non-exempt projects included in each transportation network is included in Appendix A.

The networks specifically developed for use in this conformity process are 2016 Base (represents attainment emissions) and 2037 Maintenance.

- The 2016 Base Year (Attainment emissions).
- The 2037 Maintenance Year.

Socioeconomic Data

Values for an array of socioeconomic variables are estimated (base year) and projected (intermediate and horizon years) as input into trip generation, distribution, and modal choice components of the OKI travel demand model. These data are geographically recorded by transportation analysis zone (TAZ) which permits quantifying the amount of trip generating activity by zones of origin and destination. The OKI socioeconomic variables are identical to those used by the Miami Valley Regional Planning Commission model.

The socioeconomic data are prepared for the base year to assist in validating the travel demand model to replicate current traffic conditions and for the analysis year to determine the travel demands to be accommodated within the planning period. The point in time for which the travel demand model is calibrated and validated is a normal weekday and the annual average weekday.

Demographic data files are prepared for a base year (usually a year ending in 0 or 5) and a long range horizon year which is specified in the federal guidelines to be at least 20 years in the future. The number of TAZs currently being used is 2,067 and place holding zones are included for each county to permit expansion of the database as needed in the future.

The 2016 socio-economic and land use data were extrapolated from 2020 and 2030 data. The 2037 maintenance year data was extrapolated from the 2030- and 2040-year data. It should also be noted that a few variables will not have values in some TAZs due to the absence of households, employment or workers in the base year data set. The TAZs should be checked in the future year

to confirm that land uses have not changed the nature of the TAZ (thus requiring the determination of a value).

A complete discussion of the base year (2020) demographic data development is available in OKI Regional Council of Governments: Development of the Socioeconomic Database; Step by Step Guide to creating the Base Year for the Socioeconomic Database, July 2022 and a complete discussion of the horizon year (2050) demographic data development is available in OKI Regional Council of Governments: Development of the Socioeconomic Database; Step by Step Guide to creating the Base Year for the Socioeconomic Database, January 2023. All of the variables represent the latest OKI planning assumptions.

Population

Base and Future Year Data: Population data for base year 2016 and future years 2030 and 2040 originate with the 2020 Decennial Census data. Utilizing ArcGIS, population data at the zonal level for 2020 was derived from the area proportion allocation of block level population.

As a tri-state regional planning agency, OKI uses the most current county level population projections as prepared by the respective state data centers (Ohio Development Services Agency Department of Research, Kentucky State Data Center and Indiana Business Research Center) as control totals. Projections based on the 2020 census for years 2030 and 2040 were released by the Ohio and Kentucky state data centers, and components of population change analysis for Dearborn County, based on the best available Census data. Population projections at the zonal level are calculated by multiplying household size by the projected zonal households. Household size is factored so that, in each county, the sum of the zonal populations equals the county control total.

Households

Base Year Data: Household data for base year 2016 originates with the 2016-2020 American Community Survey (ACS) for counties in the OKI region. To assign the household data from the ACS to TAZ, voter registration data was used to apportion the census tract household total to TAZs.

Future Year Data: The preparation of household projections was accomplished by calculating the number of households for a projected county population using average household size trends and for Kentucky counties, the actual number of households forecasted for each forecast year. Disaggregation to TAZs was determined by historical trends, existing and future land use, topography, flood plain information, availability of land, local knowledge and other factors.

Total Vehicles and Average Household Car Ownership

Base and Future Year Data: Base and future year household vehicle data were obtained from the 2016-2020 American Community Survey. Total vehicles per household were calculated for census tracts then applied to the TAZs based on the voter registration data. For the horizon year, the historical trends in vehicles per household was calculated and applied to each TAZ. Most areas

did not see a significant reduction in vehicle ownership and so the total number of vehicles regionally will continue to grow at a similar rate as the household growth rate.

School Enrollment

Base Year Data: Enrollment of elementary and secondary schools were obtained from each school directly and included in the socioeconomic database. Postsecondary educational institution enrollment was obtained from the National Center for Education Statistics website, then geocoded in ArcMap and assigned to a TAZ.

Future Year Data: Future year elementary and high school enrollments by TAZ were based on the change in numbers of elementary age and high school age children between 2015 and each future year by county. The base year 2016 data and future year data was taken from the Ohio, Kentucky and Indiana state data centers' population projections by age. The percent changes between the base year and future year for elementary and high school children at the county level were applied to all the TAZs in the county. Schools that were closed in 2020 were removed and those which were built since 2020 were added. Projections of enrollment for the larger institutions can be found in media articles or master plans. These projections are used when available; otherwise, the base year enrollment is retained based on the share of each school's enrollment countywide.

Labor Force

Base and Future Year Data: The OKI labor force is a function of the population as determined by a labor force participation rate (the number of employed persons in the labor force per persons 16 and over). Labor force data for base year 2016 was extrapolated from the 2016-2020 American Community Survey. Utilizing the geographic information system ArcGIS, household data at the zonal level was derived from the area proportion allocation of block group level employed labor force. Future year labor force projections were based on the most recent projections of national labor force participation rates by age and sex cohorts from the U.S. Department of Labor, Bureau of Labor Statistics for each of those years. These rates were then applied to the projected county age/sex cohorts and adjusted to eliminate the unemployed to arrive at a county employed labor force control total. Employed labor force at the zonal level is calculated by multiplying the labor force participation rate by the zonal population. The labor force participation rate is adjusted so that, in each county, the sum of the zonal labor force counts equals the control total.

Employment

Base Year Data: Quarterly Census of Employment and Wages (QCEW) data for the first quarter of 2020 was utilized as the primary tool to extrapolate base year employment at the zonal level in Ohio and Kentucky for 2016. In Indiana, 2016 data was extrapolated from InfoUSA 2020 data. Individual business records containing physical location, number of employees and North American Industry Classification System (NAICS) code were geocoded in ArcGIS and aggregated to the TAZ level. This data set was supplemented by other sources of data to complete the commuting employment picture in the OKI region. Each zone's employment was divided into 11 categories based on two-digit NAICS sector codes. The categories represent sectors grouped according to their similarity in generating trips.

Future Year Data: For future year employment projection, the existing employment totals by sector were used to calculate each employers share of County employment. Then using Woods and Poole's County employment by sector projections, the growth or rate of decline was applied to each employment location based on its share and then adjusted to match the projected employment calculated based on the projected labor force and inflow and outflow of workers to and from the region.

Area Type

Base and Future Year Data: For each analysis year, each TAZ is assigned an area type designation as CBD, Urban, Suburban or Rural based on population and employment densities.

OKI TRAVEL DEMAND MODEL

Vehicle miles traveled and vehicle hours were estimated using the OKI Travel Demand Model. The OKI model is an Activity-Based Model (ABM). The OKI ABM utilizes the CUBE based Coordinated Travel – Regional Activity Based Modeling Platform (CT-RAMP) to simulate the travel pattern of all individual travelers in the region. The ABM estimates a schedule and itinerary of daily activities for members of every household in the region based on detailed information for individuals, households, trips, and highway and transit systems. Travel behavior modeling at fine spatial-temporal resolution improves the accuracy of travel pattern estimates and enables the model to evaluate conventional highway and transit projects as well as to test a variety of policies and scenarios, including the adoption of connected and autonomous vehicles, tolling and congestion pricing, implementation of High-Occupancy-Vehicle (HOV) lanes, and land use planning.

Model Validation

The 2016 and 2037 automobile estimates were generated using input from our new OKI-only travel demand model, which was validated against 2020 traffic conditions. The modeling network encompasses the entire ozone Maintenance area except for Clinton County, Ohio. The modeling network also includes the remainder of Dearborn County Indiana.

OKI incorporates a variety of sources of local data to both improve and confirm the accuracy of VMT, as well as other travel-related parameters. Free flow speeds used on the highway and transit networks are based on travel time studies performed locally and the NPMRDS data. The 2020 Base Year model was validated against observed data, including the travel data from 2021/2022 Regional Household Transportation Survey, 2018 and 2019 traffic counts, 2019 (October) StreetLight Origin-Destination (O-D) and travel distance data, and the 2016-2020 ACS data, and 2023 transit ridership and other relevant data.

A summary of the assigned and observed VMT in the base year by facility type is included in Table 1. The difference between estimated vehicle miles traveled (VMT) and 2020 observed VMT is about six percent. Specifically, a percentage difference of -11% and -12% is observed between the observed and modeled data for arterials and collector, respectively. On the other hand, the estimated VMTs for interstates and freeways/expressways match well with the observed data.

Table 1 - Vehicle miles traveled by facility type

Functional Classification	Vehicle Miles Traveled		
	Observed 2019	Model 2020	Percent Difference
Interstate	20,810,000	20,540,000	-1%
Freeway/Expressway	1,530,000	1,520,000	-1%
Arterial	16,550,000	14,770,000	-11%
Collector	7,710,000	6,760,000	-12%
Local	7,140,000	7,040,000	-1%
Total	53,740,000	50,630,000	-6%
Collector and Above Total	46,600,000	43,590,000	-6%

The model highway network includes approximately 1,900 bi-directional count locations in the OKI modeling area that have daily, and time-of-day traffic counts collected by Ohio Department of Transportation (ODOT), Kentucky Transportation Cabinet (KYTC), Indiana Department of Transportation (INDOT), and OKI in 2018 and 2019. The assigned volumes are compared with the observed counts by volume group, facility type, and area type at the regional level to ensure the validation results are acceptable.

The assigned and observed volumes by volume group are shown in Table 2. The volume-to-count (VOL/CNT) ratio for each group is also included. As expected, the ratios are higher for lower volume groups. For most of the volume groups, the volume to count ratio is close to 1. The total volume to count ratio of 1.01 and the overall percent root mean square error (%RMSE) of 35.9% indicates a good accuracy of the traffic assignment output.

Table 2 - Volume statistics by volume group

Volume Group	Observations	Total Counts	Total Volume	VOL/CNT Ratio	RMSE	%RMSE
<2500	207	323,310	410,549	1.27	1,299	83.20%
2500 - 4999	389	1,487,370	1,760,976	1.18	2,486	65.00%
5000 - 7499	363	2,252,660	2,495,001	1.11	3,216	51.80%
7500 - 14999	623	6,459,390	6,894,578	1.07	3,804	36.70%
15000 - 24999	139	2,540,030	2,474,237	0.97	4,550	24.90%
25000 - 49999	90	3,245,990	2,921,939	0.90	7,553	20.90%
50000 - 74999	85	5,334,100	4,974,840	0.93	10,444	16.60%
>75000	11	864,980	816,824	0.94	12,871	16.40%
Total	1,907	22,507,830	22,748,944	1.01	4,748	36.30%

Table 3 and Table 4 compare the traffic assignment results to the observations by facility type and area type, respectively. Notably, model volumes on expressways are about 19% lower than the traffic counts. A closer examination reveals that SR-126 stands out as the primary contributor to these discrepancies, with the model's average volume on SR-126 being approximately 27% lower than the observed traffic counts. It is noticed that the observed traffic along SR 126 increased about 21% from 2015 to 2018. Further investigation will be conducted to confirm the trend once the new traffic data becomes available. It is also noticed that the modeled volumes on I-275 are notable lower compared with counts along the corridor.

Table 3 - Volume statistics by facility type

Facility Type	Observations	Total Counts	Total Volume	VOL/CNT Ratio	RMSE	%RMSE
Freeway	220	10,054,270	9,257,663	0.92	8,687	19.00%
Expressway	25	304,620	246,805	0.81	6,318	51.90%
Ramp	398	2,813,080	3,095,330	1.1	3,278	46.40%
Arterial	964	8,118,840	8,726,986	1.07	3,357	39.90%
Collector	272	1,116,690	1,328,506	1.19	2,431	59.20%
Local	28	100,330	93,654	0.93	1,193	33.30%
Total	1,907	22,507,830	22,748,944	1.01	4,239	35.90%

Table 4 - Volume statistics by area type

Area Type	Observations	Total Counts	Total Volume	VOL/CN T Ratio	RMSE	%RMSE
Rural	148	727,470	789,494	1.09	1,915	57.90%
Suburban	938	12,467,270	12,412,553	1	24,373	4.90%
Urban	775	8,965,690	9,065,326	1.01	6,738	29.90%
CBD	46	347,400	481,570	1.39	1099	304.90%
Total	1,907	22,507,830	22,748,944	1.01	4,239	35.90%

The raw 15-minute traffic counts from INDOT, KYTC, ODOT, and OKI are also summarized by time periods of AM Peak, Midday, PM Peak, and Evening/Night Time (defined in the Chapter 1). Table 5 presents time-of-day distributions for traffic volumes and traffic counts. The time-of-day share of traffic volumes matches well with the time-of-day distribution of the traffic counts.

Table 5 - Volume time-of-day distribution

Time-of-Day	Total Counts	Count % Share	Total Volumes	Model Volume % Share	VOL/CN T Ratio
AM Peak	4,083,920	18.10%	4,652,641	20.50%	1.14
Midday	7,361,440	32.70%	7,423,182	32.60%	1.01
PM Peak	6,522,740	29.00%	6,160,865	27.10%	0.94
Evening/Night	4,539,730	20.20%	4,512,256	19.80%	0.99
Total	22,507,830	100.00%	22,748,944	100.00%	1.01

A screen-line analysis was another validation process that compares the screenline observed and simulated traffic volume discrepancies with the ODOT standard of maximum desirable deviation. The comparison shows that all screen-line volume deviations are below the ODOT desired maximum deviation curve indicating that the model replicates the traffic counts reasonably well. Table 6 shows the comparisons of model volumes and counts at the defined screen-lines. The model volume deviations are included and compared with the ODOT desired maximum volume deviations.

Table 6 - Screen-line summary

Screenline	Counts	Volumes	Deviation Model vs. Counts	ODOT Desired Max Deviation
A	279,670	327,806	17.0%	19.0%
B	378,690	336,374	11.0%	17.4%
C	83,420	75,386	10.0%	26.7%
D	435,260	398,202	9.0%	16.8%
E	566,520	548,249	3.0%	15.6%
F	317,660	331,037	4.0%	18.3%
G	278,530	313,929	13.0%	19.0%
H	215,590	223,015	3.0%	20.4%
I	812,410	772,100	5.0%	14.1%
J	225,590	229,771	2.0%	20.2%

Screenline	Counts	Volumes	Deviation Model vs. Counts	ODOT Desired Max Deviation
K	637,210	624,958	2.0%	15.1%
L	147,820	168,218	14.0%	22.7%
M	228,830	199,518	13.0%	20.1%
N	372,380	367,001	1.0%	17.5%
O	440,910	423,333	4.0%	16.7%
P	243,550	247,638	2.0%	19.8%
Q	17,040	21,927	29.0%	41.8%
R	127,950	118,828	7.0%	23.7%
S	214,150	255,406	19.0%	20.5%
T	36,370	45,384	25.0%	33.7%
U	11,410	10,239	10.0%	46.8%
V	126,400	148,991	18.0%	23.8%
W	13,010	11,972	8.0%	45.1%
X	59,360	60,746	2.0%	29.4%
Y	60,490	61,817	2.0%	29.2%
Z	5,490	6,282	14.0%	57.5%

A complete discussion of the travel demand model validation is available in *OKI Activity-Based Travel Demand Model – Version 2.0 Validation Report*.

Post-Model Processing

During post-processing, the loaded highway networks are used to generate VMT and speed distribution input for the MOVES. Model VMTs are first adjusted with the factors that were developed using 2019 county reported VMT and the model VMT estimates. Annual VMT by vehicle type by county is then developed using the Highway Performance Monitoring System (HPMS) data and the county vehicle registration data. VMT monthly, daily, and hourly fraction factors are estimated through the traffic counts from the permanent traffic count stations located in the OKI region. The speed bin input is generated from the model time-of-day travel time and speed.

Emission Factor Models

OKI's conformity assessment utilized U.S.EPA's emission model MOVES4 to develop emissions for VOC's and NOx. The MOVES input files contain local parameters, developed through consultation with state partners, for temperature, fuel programs, fuel characteristics, and vehicle fleet composition. The local parameters are combined with the VMT and speed data from the OKI ABM to produce emission measured in grams for the appropriate analysis year. The methodologies incorporated into MOVES for estimating emissions are based on methods and research conducted by U.S.EPA. OKI's development of MOVES input values were guided by the U.S.EPA's document "*MOVES4 Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity*", August 2023.

Table 7 summarizes the settings used in the MOVES run specification file. Table 8 lists the data and sources used in the MOVES County-Data Manager.

Table 7 - MOVES Run specification file

MOVES RunSpec Parameter	Settings
MOVES4.0.1	
Scale	County, Mass and/or Energy within a region and time span
Time Span	Year: model year
	Month: July
	Days: Weekday
	Hour: All hours of day selected
Geographic Bounds	Custom Domains for each county in Ohio (Butler, Clermont, Hamilton, Warren), Indiana (Dearborn), and Kentucky (Boone, Campbell, Kenton)
Vehicles/Equipment	All source types available for gasoline and diesel.
Road Type	All road types including off-network
Pollutants and Processes	VOC; hydrocarbons; Non-Methane Organic Gases; Total Organic Gases; Methane; CO; NO; NO ₂ ; N ₂ O; PM _{2.5} Total; PM _{2.5} : Composite NonECPM, Elemental Carbon, Organic Carbon, Sulfate Particulate; PM _{2.5} – Brakewear Particulate; PM _{2.5} – Tirewear Particulate; SO ₂ ; Total Energy Consumption; Fossil Fuel Energy Consumption; Atmosphere CO ₂ ; and CO ₂ Equivalent
Strategies	Default
General Output	Units= grams, joules and miles
Output Emissions	Time = 24-Hour day, Geography = county, on-road emission by road type and source use type.
Advanced Performance	none

Table 8 - MOVES County-Data manager data and sources

MOVES County Data Manager	Data Source
Source Type Population	Local. County motor vehicle registration data from KYTC (2019) and ODOT (2014 and 2017). Dearborn County data are estimated through the vehicle and population distribution data in Butler County. Model year data are estimated through the population ratio between the Base and model years.
Vehicle Type VMT	Local. County DVMT (daily vehicle mile traveled, 2020) from ODOT, KYTC, and INDOT. Model year VMTs are estimated through the ratio between the observed and the data from OKI 2019 travel demand model. MonthVMTFraction, dayVMTFraction, and hourVMTFraction are estimated through the traffic counts from ODOT permanent traffic count stations in OKI region.

I/M Programs	No I/M Program for Kentucky and Indiana counties. Default setting for Ohio counties.
Fuel Supply	2016 year includes low RVP gasoline for Ohio and RFG for NKY. 2037 year uses default values.
Meteorology Data	Local. CVG airport average numbers from 1999 to 2019.
Ramp Fraction	Local. OKI travel demand model.
Road Type Distribution	Local. OKI travel demand model.
Age Distribution	Local. County vehicle age data from ODOT (2014 and 2017) and KYTC (2019). Future year distributions are estimated through EPA's vehicle age estimation tool.
Average Speed Distribution	Local. OKI travel demand model.

Complete MOVES input and output files are available electronically upon request.

Mobile Emissions Inventory for the Ohio and Kentucky 2008 Ozone Maintenance Area

OKI's quantitative mobile inventory for ozone-forming emissions of volatile organic compounds (VOC) and oxides of nitrogen (NO_x) in the Ohio, Kentucky, and Indiana portion of the ozone maintenance area are found in Tables 9 and 10. Daily VMT is provided in Table 11. Clinton County Ohio is outside of OKI's modeling area. Emissions and VMT for Clinton County Ohio were provided by the Ohio Department of Transportation (ODOT).

Table 9 – Mobile Inventory of Volatile Organic Compound (VOC) Emissions (tons per day) for the Cincinnati Ohio, Kentucky, and Indiana 2008 Ozone Area

County	State	2016 Base	2037 Maintenance
Butler	OH	5.23	1.96
Clermont	OH	3.12	1.28
Clinton	OH	0.30	0.22
Hamilton	OH	11.36	4.42
Warren	OH	3.35	1.62
Ohio counties		23.36	9.52
Boone	KY	1.47	0.81
Campbell	KY	0.75	0.35
Kenton	KY	1.52	0.74
Kentucky counties		3.74	1.90
Dearborn	IN	0.20	0.07
Indiana counties		0.20	0.07
Total VOC		27.30	11.49

Table 10 – Mobile Inventory of Oxides of Nitrogen (NO_x) Emissions (tons per day) for the Cincinnati Ohio, Kentucky, and Indiana 2008 Ozone Area

County	State	2016 Base	2037 Maintenance
Butler	OH	9.84	1.47
Clermont	OH	6.02	0.89
Clinton	OH	0.26	0.12
Hamilton	OH	25.62	3.85
Warren	OH	9.32	1.68
Ohio counties		51.05	8.02
Boone	KY	6.07	0.97
Campbell	KY	2.05	0.26
Kenton	KY	5.15	0.76
Kentucky counties		13.27	1.99
Dearborn	IN	0.57	0.09
Indiana counties		0.57	0.09
Total Nox		64.90	10.10

Table 11 – Daily Vehicle Miles Traveled for the Cincinnati Ohio, Kentucky, and Indiana 2008 Ozone Area

County	State	2016 Base	2037 Maintenance
Butler	OH	7,366,094	7,860,333
Clermont	OH	4,877,897	5,300,998
Clinton	OH	1,903,974	2,219,284
Hamilton	OH	21,233,246	22,135,990
Warren	OH	6,651,621	7,757,371
Ohio counties		42,032,831	45,273,975
Boone	KY	4,108,576	5,055,706
Campbell	KY	1,963,936	2,144,665
Kenton	KY	3,993,527	4,482,631
Kentucky counties		10,066,039	11,683,003
Dearborn	IN	357,406	410,467
Indiana counties		357,406	410,467
Total VMT		52,456,276	57,367,445

APPENDIX A – PROJECT LISTING

Non-Exempt Projects Added to the 2037 Maintenance Year Transportation Network

Plan ID	TIP PID	Facility	Location	Description
Non-Exempt Projects Identified for Ohio				Existing + Committed + OKI 2050 Metropolitan Transportation Plan Projects to be completed by 2037
Butler County				
9635	115755	BUT North Hamilton Crossing	North side of Hamilton, crossing Great Miami River in area between SR 129 and N of Black St Bridge	New east-west route connecting NW Washington Blvd, US 127, SR 4, and SR 129 (Phases 1,2&3)
9965	113647	BUT IR 75 8.50	In the area of I-75 & Millikin Road in Liberty Twp	Evaluate and implement transportation improvements including new full I-75 interchange in the vicinity of Millikin Rd and associated I-75 widening
12163	115755 & 120771	North Hamilton Crossing - East Section	Fair Ave to SR 129	NHX East Section. New E/W route connecting NW Washington Blvd, US 127, SR 4, and SR 129
9637	115755 & 120771	North Hamilton Crossing - River Crossing	North B St to US 127	NHX River cossing. Replace Black St Bridge with a 5-lane structure with multi-use path and convert existing bridge to pedestrian, bicycle, and shuttle
46	115755 & 120771	North Hamilton Crossing - Central Section	US 127 to Fair Ave	NHX Central Section. New E/W route connecting NW Washington Blvd, US 127, SR 4, and SR 129
83	113647	I-75	Millikin Rd	New interchange at Millikin Rd
9613		Grand Blvd	SR 4 to Tylersville Rd	Add a two-way left turn lane, travel lane in each direction and multi-use trail
12009		NW Washington Widening	Eden Park Dr to Cleveland Ave	Widen from 2 to 5 lanes with a roundabout at Cleveland Ave and NW Washington
12157		SR 4	Crescentville Rd to Mulhauser Dr	Add SB Lane
12158		Symmes Rd	SR 4 to North Gilmore Rd	widen to 5 lanes
9658		Tylersville Rd	Grand Blvd to Bypass 4	Add TWLTL
Clermont County				

Plan ID	TIP PID	Facility	Location	Description
9556	114042	CLE US 52 4.67 New Richmond	US 52 from Front Street to just east of the Village of New Richmond corporation limit.	Convert four lanes of US 52 into two lanes and provide bike/ped path at former SB lanes. Convert intersections at Front, Sycamore, Walnut and Augusta Streets into roundabouts.
4363	103958	CLE CR 55 Overpass	Glen Este Withamsville Overpass over SR32	GEW Overpass over SR 32
12025		SR 32 & Herold Rd	Batavia Township/Village of Batavia	Elimination of at-grade intersection on LA highway - Creation of local access Rd connecting Herold Rd to the interchange at Batavia Rd to the east or Bauer Rd to the west
12023		SR 32	Dela Palma to Herold	Construction of grade separated intersections
Hamilton County				
9787	114606	WAR CR 4 3.09 Fields Ertel Rd	Between Snider Road and Wilkens Boulevard	Widen from two to five lanes and new sidewalk. Improve intersection at Wilkens Blvd by extending turn lanes and upgrading signal
9956	115417	HAM IR 275 28.69	IR 275 from US 42 to SR 28	Implement Smart Lane by installing DMS and variable speed limit signs EB from US42 to SR28 & WB from SR28 to Loveland-Madeira. Identify capacity improvements at I-75 interchange.
307	117525	HAM IR 75 8.91	From Regina Graeter Way to SR 126/Galbraith Rd. area	Phase 8C of the Mill Creek Expressway Project. Project will widen for additional through lanes, rehabilitate existing pavement and bridges. Complete minor improvements to the Paddock Road interchange.
9968	89077	IR 71	Part of the Brent Spence Bridge project	Ohio's share of design and construction of the new Ohio River Bridge
314	117167	HAM IR 75 10.40	Galbraith Road to Shepard Lane	Add a fourth lane, construct C-D for Galbraith/Anthony Wayne and SB IR75 to WB SR126 ramp and unify both directions of IR75 onto existing SB alignment.
9968	114161	HAM IR 75 1.95	Findlay Street to just south of Marshall Avenue	Reconstruction of I-75. This is the northern end of the BSB Corridor Project. Project includes the construction of new interchange on I-75 to connect the new Western Hills Viaduct
314	88132	IR 75	Between Galbraith Rd and Shepherd Ln, SB only	Phase 5 of the Thru the Valley Project-add 4th lane (includes part of Phase 7)

Plan ID	TIP PID	Facility	Location	Description
314	88133	IR 75	Between Galbraith Rd and Shepherd Ln, NB only	Phase 6 of the Thru the Valley Project--add 4th lane and auxiliary lane (includes part of Phase 7)
314	88124	HAM IR 75 10.10	1010 Bridge over Mill creek to Galbraith Road (phase 3)	Phase 3 of the Thru the Valley Project--add 4th lane in each direction and associated improvements
307	77889	HAM IR 75 7.85	Begin south of SR562 interchange and at the SR126 interchange, 7.85 to 10.30	Phase 8 of the Mill Creek Expressway Project. Project will widen for additional through lanes, rehabilitate existing pavement and bridges. Reconstruct SR 562 interchange, remove the Towne Ave. inter
9930	115976	HAM SR 32 4.34	From west of Round Bottom Road to the eastern Newtown corp. limit	Create 2 SB left turn lanes at Round Bottom, widen SR32 to provide 2 receiving lanes w/ new lane ending as RTL at Little Dry Run. Widen for TWLTL along SR32 from Little Dry Run. Add shared use path.
12053	118472	I-74	I 74 and Dry Fork Interchange	Improve interchange to address congestion issues and future development.
9956	115417	TSMO Corridor 11: I-275 28.69 Smart Lane (PID 115417)	US 42 in Hamilton County to SR 28 in Clermont County	Capacity improvements to the I-71 and I-275 interchange, addition of a smart lane (hard shoulder running) in both directions of I-275 with variable speed limits to increase capacity
9974	117167	I-75	Galbraith Rd to Shepherd Lane PID117167	Add lane to I-75 and unification of NB and SB I-75 onto the current SB alignment
23	119436	I-75	SR 562 to SR 126	Widening and associated improvements
9702		Reading Rd (US 42)	Victory Pky to Reading Corp Line	Provide 5 lanes, intersection and pedestrian improvements. Project to improve efficiency and capacity.
9704		Wooster Rd	Beechmont Ave to 5163 Wooster Rd	Part of the Eastern Corridor. Add center turn lane. Geometric improvements to improve efficiency and capacity.
9953		I-71	Ronald Reagan Cross County Highway to Pfeiffer	Construct a NB auxiliary lane from Ronald Reagan Cross County Highway to Pfeiffer interchange
9954		TSMO Corridor 9: Smart Lane I-71	McMillan Ave to I-275	Install hard shoulder running (HSR) smart lane with fiber, DMS, cameras, poles, and power on I-71 from McMillan Ave to I-275.
12050		I-75	I-275 Interchange to Union Centre Blvd	Construction of a flyover ramp from SB I 75 to EB 275 to eliminate weaving movements at the interchange, and addition

Plan ID	TIP PID	Facility	Location	Description
				of an additional NB auxiliary lane from I 75 to Union Centre Boulevard to increase capacity.
12075		SORTA Glenway Ave and Montgomery Rd BRT	Glenway Ave and Montgomery Rd corridors	The planning and implementation of next 2 Bus Rapid Transit Routes routes. FTA locally preferred alternative (LPA) Process.
12049		SR 32	Roundbottom Rd Intersection	Capacity improvements to the intersection of SR 32 with Roundbottom Rd by adding turn lanes and an additional through lane EB on SR 32. Bike and ped facilities included in the preferred alternative.
12054		I-74	I 74 in the overlap section with I 275	Widen from 6 to 8 lanes to improve capacity
12055		I-275	US 52 to Five Mile Rd	Widen bifurcated section from 4 to 6 lanes
12149		Loveland Madeira Rd	I-275 to Loveland Corp	Roadway widening for additional lanes, improvements to side Rds
Warren County				
9946		US 22/SR 3	From Creekwoods to Willow Pond	Widen US 22/SR 3, includes bridge
10035		SR 48	Mason-Morrow-Millgrove Rd to Ridgeview	Widen by one lane in each direction, exclude bridge over Little Miami River
10037		SR 63	SR 741 to 1500 LF East of McClure Rd	Widen from 2 to 3 lanes including TWTL
10976		TSMO Corridor 10: Smart Lane I-71	I-71 NB from I-275 to SR 48	Implement smart lane I-275 to SR 48
12156		I-75	Greentree Rd	New interchange at Greentree Rd
11		Gateway Blvd	SR 63 north to Union Rd	Upgrade SR 63 and Union Rd intersection. Construct 5 lane extension on new alignment
10030		US 22/SR 3	Lakeshore Dr to West Rd	Add one lane each direction
10031		US 22/SR 3	West Rd to Zoar Rd	Add one lane each direction
10044		SR 741	SR 63 to Greentree Rd	Widen by one lane each direction and continuous left turn lane

Plan ID	TIP PID	Facility	Location	Description
10051		King Ave (Kings Mills Rd)	Columbia Rd to Oak St	Add one lane each direction
10064		Glosser Rd Extension	Glosser Rd from US 42 to Kingsview Dr	Widening and extension (2.5 miles)
12102		US 42	Mason Montgomery to Hanover	St Resconstruction, RAB improvements, add MUP

Plan ID	TIP PID	Facility	Location	Description
Non-Exempt Projects Identified for Kentucky				Existing + Committed + OKI 2050 Metropolitan Transportation Plan Projects to be completed by 2037
Boone County				
4662	6-446	Mall Road Connector Ph 1&2	Between KY 237 (Pleasant Valley Rd) and KY 3157 (Mall Rd)/I-75 Interchange	Provide east-west connectivity and improved mobility
9584	6-80207	CR 1001 (Camp Ernst Rd)	Pleasant Valley Rd (KY 237) to Hathaway Rd (KY 536)	Improve safety and mobility, reduce congestion and address geometric deficiencies
11281	6-80212	IR 71	from the interchange of I-75 to Boone-Gallatin County Line	Widen I-71 to 6 lanes
9903	6-80000	KY 237 (Gunpowder Rd)	KY 536 to US 42	Reconstruction and major widening
11002	6-80150	KY 717	KY 1017 to KY 236	Major widening
9881	6-447	US 25	Winning Colors Drive to the Norfolk Southern RR x-ing south of KY 1829	Improve mobility and reduce congestion on US 25 from Winning Colors Drive to the Norfolk Southern Railroad Crossing south of KY 1829 (Industrial Road); excludes grade separation at KY 536
4		US 25 (Dixie Hwy)	Winning Colors Dr to the Norfolk Southern RR crossing south of KY 1829	Widen to 2 lanes each direction with TWLTL
18		KY 1017 and KY 717	KY 1017 (Turfway Rd) and KY 717 (Thoroughbred Blvd)	Convert Turfway Rd. and Thoroughbred Blvd from 2-way to one way pair couplet and modify I-71/I-75 access. 6-80100

Plan ID	TIP PID	Facility	Location	Description
9584		Camp Ernst Rd	KY 536 to KY 237	Improve safety & mobility, reduce congestion and address geometric deficiencies along Camp Ernst Rd (CR 1001) from KY 237 (Pleasant Valley Rd) to KY 536 (Hathaway Rd). 6-80207
11968		I-71	I-75 to Boone/Gallatin County Line	Widen from 2 to 3 lanes each direction
37		KY 717	KY 236 (Donaldson Hwy) to KY 3076	Widening. 6-80150
10		KY 20	Graves Rd to KY 237 (North Bend Rd)	Widen to 2 lanes each direction
9575		Bullittsville Rd	Conrad Lane to KY 20 (Petersburg Rd)	Widen Bullittsville Rd from two to four lanes with multi-use path to improve mobility in northern Boone County
9887		US 25	Logistics Dr to KY 14 (Mary Grubbs)	Widen US 25 from two to four lanes with multi-use path to reduce congestion and support economic development.
11975		Litton Lane Extension	Existing Litton Lane to Graves Rd	Provide a two-lane extension of existing Litton Lane to Graves Rd that includes a multi-use path.
11977		KY 536 Hathaway Rd Reconstruction	Old Union Rd to Camp Ernst Rd	Add TWLTL and multi-use path. 6-80358
11985		KY 3076 (Mineola Pk)	South Airfield Dr KY 3076 (Mineola Pike) & KY 236 (Donaldson Highway)	Extend KY 3076 (Mineola Pike) approximately 0.5 miles to provide a new, four lane direct connection from the Cincinnati/Northern Kentucky International Airport to I-275. Extend KY 3076 (Mineola Pike) south approximately 1.15 miles to KY 1017 (Aero Pkwy) along a new four lane facility. Reconstruct a portion of KY 717 (Turfway Rd) to intersect with the new Rdway. Construct a multi-use path as part of the CVG Loop Trail.
11989		Hangar Row Rd	New/Improved Rdway connecting Limaburg Rd to KY 18. Phase I.	Phase I: Widen Limaburg / Youell Rd from Gateway to Site. Includes turn lanes and intersection improvements on KY 237 and Limaburg Rd at Gateway Blvd
11990		Hangar Row Rd	New/Improved Rdway connecting Limaburg Rd to KY 18. Phase II:	New Rdway from (new) Youell Rd to KY 18, via widened Limaburg Creek Rd.
10008		TSMO Corridor 3: Dixie Hwy Enhanced Bus	Pike St to Ewing Blvd	Create a 9.5 mile high-frequency, enhanced bus transit corridor on US-25 (Dixie Hwy) from Pike St. to Ewing Blvd., with improved bus stop/station design and amenities. Add wireless

Plan ID	TIP PID	Facility	Location	Description
		Transit Corridor		interconnect, 6 -20 signals suburban, adaptive, transit signal preemption, adaptive signals.
7		KY 20 (Petersburg Rd)	KY 237 (North Bend Rd) to Conner Rd	Add TWLTL
19		US 25 (Dixie Hwy)	KY 338 to KY 16	Add TWLTL and MUP. 6-80316
9586		KY 14	I-71 to US 42	Reconstruct KY 14 (Verona Mudlick Rd) from I 71 to US 42
11969		KY 18	KY 842 and Mall Rd	Paired Grade-Separated Intersections along KY 18 at KY 842 and Mall Rd.
11973		Gateway Boulevard Extension	Bullittsville Rd to Gateway Boulevard	Extend Gateway Boulevard to Bullittsville Rd along a new, two-lane facility with multi-use path to improve east-west mobility.
11982		I-71	New interchange near M.P. 74 (Stephenson Mill)	Construct new full-service Interchange for mobility and economic development
11988		Boone County Central Pkwy	KY 536 south to Verona	Construct a Central Pkwy to improve mobility through Boone County. The route should connect Camp Ernst Rd from KY 536 to Verona.
11991		North Cargo Rd	Phase I: Rdway Widening on Loomis Rd and Whitson Dr from KY 236 to Kentucky 20	Rdway Widening Extension
11992		North Cargo Rd	Phase II: From Whitson Dr to an undeveloped parcel on CVG campus	Expand tunnel under taxiway A for access to CVG infield for freight development
Campbell County				
5027	6-8105.06	I-275/AA Connector	Johns Hill Road to AA Highway (KY 9)	New road connecting the AA highway to end of new construction just south of John's Hill Rd
5027	6-8105.07	I-275/AA Connector	Johns Hill Road to AA Highway (KY 9)	New road connecting the AA highway to end of new construction just south of John's Hill Rd (D under 6-8105.06)
335	6-352	KY 536	US 27 to AA Highway (KY 9)	Extension of existing roadway
9880		New KY 915	South of John's Hill Rd	Construct a new connector road from KY 9 to the end of the new construction just south of John's Hill Rd (KY 2345). 6-8105.07

Plan ID	TIP PID	Facility	Location	Description
12017		US 27	KY 709	Construct a southbound truck climbing lane on US 27 and a right turn lane on US 27 to KY 709. 6-80314
29		KY 9	EB I-275 Ramp to Rosewood Dr	Add SB Lane from EB I-275 ramp to near Rosewood Dr
12015		I-471	From US 27 to Ohio State Line	Reduce congestion along the I 471 corridor from US 27 to Ohio State Line. 6-81
Kenton County				
701	6-17.00	IR 75	Brent Spence Bridge Corridor Project	Initiate Preliminary Engineering, environmental studies and other preconstruction activities to upgrade the I-75/71 Brent Spence Bridge Corridor. Construction under PID 116649
9866	6-162.40	KY 536	Williamswood Rd/Calvary Drive to KY 17	Improve safety and reduce congestion, widen to 2 lanes each direction on new alignment
9910	6-1086	4th Street Bridge (KY 8)	Over Licking River on West 4th Street in Covington/Newport at Kenton/Campbell line	Address deficiencies of bridge, additional lane WB
5028	6-162.10	KY 1303	KY 536 to Beechgrove Elementary	Reconstruct and widen to four lanes and center turn lane
9905	6-80203	KY 536	KY 16 to Campbell County Line	Reconstruct to a 4-lane urban section
9899		KY 536	KY 17 to Campbell County Line	Reconstruct KY 536 to a 4-lane urban section from KY 17 to the Campbell County line.
9833		I-75	Bracht Piner / Eads Rd interchange. MP 168-169	Construct new full-service interchange for mobility and economic development
41		KY 536	Williamswood Rd/Calvary Dr to KY 17	Widen to 2 lanes each direction on new alignment
43		KY 536	KY 17 to KY 16	Widen to 2 lanes each direction on new alignment
9902		KY 842	Boone County line to KY 1303	Improve safety and reduce congestion along KY 842 (Richardson Rd) from Boone County line to KY 1303 (Turkeyfoot Rd)
12085		KY 2373 (Kenton Lands Rd)	US 25 to Riggs Rd	Widen Kenton Lands Rd from US 25 to Riggs Rd. 6-80105
12090		Thomas More Pkwy	Turkeyfoot to Horsebranch Rd	Widen from mostly 3 lanes (including center turn lane) to four lanes

Plan ID	TIP PID	Facility	Location	Description
12164		KY 16	Boone Co line to KY 2043	Widen KY 16 to improve safety and mobility and support economic development

Plan ID	TIP PID	Facility	Location	Description
Non-Exempt Projects Identified for Indiana			Existing + Committed + OKI 2050 Metropolitan Transportation Plan Projects to be completed by 2037	
Dearborn County				
39		SR 1	US-50 to Ridge Ave	Realign and add a lane each direction

Appendix B – Monitoring Data

User ID: JNALL

DESIGN VALUE REPORT

Report Request ID: 2250929 Report Code: AMP480 Jan. 2, 2025

GEOGRAPHIC SELECTIONS												
Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	
	21	015										
	21	037	3002									
	39	017										
	39	025										
	39	027										
	39	061										
	39	165										

PROTOCOL SELECTIONS			
Parameter Classification	Parameter	Method	Duration
DESIGN VALUE	44201		

SELECTED OPTIONS	
Option Type	Option Value
SINGLE EVENT PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
MERGE PDF FILES	YES
AGENCY ROLE	PQAO
USER SITE METADATA	STREET ADDRESS
QUARTERLY DATA IN WORKFILE	NO
WORKFILE DELIMITER	,
USE LINKED SITES	YES

DATE CRITERIA	
Start Date	End Date
2008	2023

APPLICABLE STANDARDS
Standard Description
Ozone 8-hour 2015

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2008
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2008		4th	Cert&	2007		4th	Cert&	2006		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	240	98	.064	Y	243	99	.078	U	243	99	.071	U	99	.071	Y
21-037-3002	524A JOHN'S HILL ROAD	241	98	.075	Y	122	50	.086 *	U				*	49	.080	N

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2009
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2009		4th	Cert& Eval	2008		4th	Cert& Eval	2007		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	240	98	.064	U	240	98	.064	Y	243	99	.078	U	98	.068	Y
21-037-3002	524A JOHN'S HILL ROAD	243	99	.068	U	241	98	.075	Y	122	50	.086*	U	82	.076	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2010
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2010		4th	Cert& Eval	2009		4th	Cert& Eval	2008		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	244	100	.067	U	240	98	.064	U	240	98	.064	Y	99	.065	Y
21-037-3002	524A JOHN'S HILL ROAD	237	97	.073	U	243	99	.068	U	241	98	.075	Y	98	.072	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2011
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2011		4th	Cert&	2010		4th	Cert&	2009		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	238	97	.070	U	244	100	.067	U	240	98	.064	U	98	.067	Y
21-037-3002	524A JOHN'S HILL ROAD	242	99	.080	U	237	97	.073	U	243	99	.068	U	98	.073	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2012
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2012		4th	Cert&	2011		4th	Cert&	2010		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	244	100	.074	Y	238	97	.070	U	244	100	.067	U	99	.070	Y
21-037-3002	524A JOHN'S HILL ROAD	242	99	.084	Y	242	99	.080	U	237	97	.073	U	98	.079	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2013
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2013		4th	Cert&	2012		4th	Cert&	2011		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	243	99	.059	Y	244	100	.074	Y	238	97	.070	U	99	.067	Y
21-037-3002	524A JOHN'S HILL ROAD	243	99	.072	Y	242	99	.084	Y	242	99	.080	U	99	.078	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2014
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2014		4th	Cert&	2013		4th	Cert&	2012		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	244	100	.062	Y	243	99	.059	Y	244	100	.074	Y	100	.065	Y
21-037-3002	524A JOHN'S HILL ROAD	240	98	.071	Y	243	99	.072	Y	242	99	.084	Y	99	.075	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2015
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2015		4th	Cert&	2014		4th	Cert&	2013		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	242	99	.062	Y	244	100	.062	Y	243	99	.059	Y	99	.061	Y
21-037-3002	524A JOHN'S HILL ROAD	243	99	.071	Y	240	98	.071	Y	243	99	.072	Y	99	.071	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2016
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Statistic: Annual 4th Maximum		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2016		4th	Cert&	2015		4th	Cert&	2014		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	240	98	.065	Y	242	99	.062	Y	244	100	.062	Y	99	.063	Y
21-037-3002	524A JOHN'S HILL ROAD	243	99	.069	Y	243	99	.071	Y	240	98	.071	Y	99	.070	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2017
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2017		4th	Cert&	2016		4th	Cert&	2015		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	221	90	.060	Y	240	98	.065	Y	242	99	.062	Y	96	.062	Y
21-037-3002	524A JOHN'S HILL ROAD	227	93	.068	Y	243	99	.069	Y	243	99	.071	Y	97	.069	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2018
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2018		4th	Cert&	2017		4th	Cert&	2016		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	241	98	.068	S	221	90	.060	Y	240	98	.065	Y	95	.064	Y
21-037-3002	524A JOHN'S HILL ROAD	239	98	.066	S	227	93	.068	Y	243	99	.069	Y	97	.067	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2019
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2019		4th	Cert&	2018		4th	Cert&	2017		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	237	97	.062	Y	241	98	.068	S	221	90	.060	Y	95	.063	Y
21-037-3002	524A JOHN'S HILL ROAD	237	97	.062	Y	239	98	.066	S	227	93	.068	Y	96	.065	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2020
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2020		4th	Cert& Eval	2019		4th	Cert& Eval	2018		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	239	98	.062	Y	237	97	.062	Y	241	98	.068	S	98	.064	Y
21-037-3002	524A JOHN'S HILL ROAD	237	97	.063	Y	237	97	.062	Y	239	98	.066	S	97	.063	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2021
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2021		4th	Cert& Eval	2020		4th	Cert& Eval	2019		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	243	99	.061	Y	239	98	.062	Y	237	97	.062	Y	98	.061	Y
21-037-3002	524A JOHN'S HILL ROAD	237	97	.064	Y	237	97	.063	Y	237	97	.062	Y	97	.063	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2022
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2022		4th	Cert& Eval	2021		4th	Cert& Eval	2020		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	196	80	.066	Y	243	99	.061	Y	239	98	.062	Y	92	.063	Y
21-037-3002	524A JOHN'S HILL ROAD	239	98	.062	Y	237	97	.064	Y	237	97	.063	Y	97	.063	Y

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2023
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Kentucky										
Site ID	Poc STREET ADDRESS	2023		4th	Cert& Eval	2022		4th	Cert& Eval	2021		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
21-015-0008	9101 Camp Ernst Rd	244	100	.077	Y	196	80	.066	Y	243	99	.061	Y	93	.068	Y
21-037-3002	524A JOHN'S HILL ROAD	236	96	.066	Y	239	98	.062	Y	237	97	.064	Y	97	.064	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2008
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2008		4th	Cert&	2007		4th	Cert&	2006		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	204	95	.079	Y	213	100	.091	U	213	100	.076	Y	98	.082	Y
39-017-0023	2200 HENSLEY AVE.	209	98	.071	Y	213	100	.091	U	212	99	.079	Y	99	.080	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	0			* X	0			* X	0			* X			N
39-025-0022	2400 CLERMONT CENTER DR.	207	97	.071	Y	209	98	.086	U	212	99	.077	Y	98	.078	Y
39-027-1002	300 Oak Drive Wilmington, 45177	208	97	.076	Y	213	100	.082	U	213	100	.081	Y	99	.079	Y
39-061-0006	11590 GROOMS RD	209	98	.086	Y	207	97	.089	U	213	100	.081	Y	98	.085	Y
39-061-0010	6950 RIPPLE RD.	206	96	.077	Y	213	100	.086	U	213	100	.081	Y	99	.081	Y
39-061-0040	250 WM. HOWARD TAFT	211	99	.080	Y	210	98	.086	U	213	100	.078	Y	99	.081	Y
39-165-0007	430 S EAST ST.	205	96	.082	Y	213	100	.088	U	213	100	.086	Y	99	.085	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2009
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2009		4th	Cert& Eval	2008		4th	Cert& Eval	2007		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	213	100	.076	U	204	95	.079	Y	213	100	.091	U	98	.082	Y
39-017-0023	2200 HENSLEY AVE.	210	98	.073	U	209	98	.071	Y	213	100	.091	U	99	.078	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	0			* X	0			* X	0			* X			N
39-025-0022	2400 CLERMONT CENTER DR.	213	100	.069	U	207	97	.071	Y	209	98	.086	U	98	.075	Y
39-027-1002	300 Oak Drive Wilmington, 45177	209	98	.070	U	208	97	.076	Y	213	100	.082	U	98	.076	Y
39-061-0006	11590 GROOMS RD	210	98	.072	U	209	98	.086	Y	207	97	.089	U	98	.082	Y
39-061-0010	6950 RIPPLE RD.	174	81	.065	U	206	96	.077	Y	213	100	.086	U	92	.076	Y
39-061-0040	250 WM. HOWARD TAFT	210	98	.074	U	211	99	.080	Y	210	98	.086	U	98	.080	Y
39-165-0007	430 S EAST ST.	213	100	.077	U	205	96	.082	Y	213	100	.088	U	99	.082	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015

Design Value Year: 2010
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Statistic: Annual 4th Maximum				Level: .07				State: Ohio							
Site ID	Poc STREET ADDRESS	2010		4th	Cert&			4th	Cert&			4th	Cert&			3 - Year	D. V.
		Valid	Percent													Percent	
		Days	Complete	Max	Eval			Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Design
39-017-0018	1707 Runway Drive, Room #4	211	99	.080	U			213	100	.076	U	204	95	.079	Y	98	.078
39-017-0023	2200 HENSLEY AVE.	213	100	.077	U			210	98	.073	U	209	98	.071	Y	99	.073
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	0			* X			0			* X	0			* X		N
39-025-0022	2400 CLERMONT CENTER DR.	213	100	.075	U			213	100	.069	U	207	97	.071	Y	99	.071
39-027-1002	300 Oak Drive Wilmington, 45177	212	99	.076	U			209	98	.070	U	208	97	.076	Y	98	.074
39-061-0006	11590 GROOMS RD	213	100	.080	U			210	98	.072	U	209	98	.086	Y	99	.079
39-061-0010	6950 RIPPLE RD.	210	98	.079	U			174	81	.065	U	206	96	.077	Y	92	.073
39-061-0040	250 WM. HOWARD TAFT	214	100	.075	U			210	98	.074	U	211	99	.080	Y	99	.076
39-165-0007	430 S EAST ST.	213	100	.076	U			213	100	.077	U	205	96	.082	Y	99	.078

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015

Design Value Year: 2011
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Statistic: Annual 4th Maximum				Level: .07				State: Ohio							
Site ID	Poc STREET ADDRESS	2011		4th	Cert&	2010		4th	Cert&	2009		4th	Cert&	3 - Year		D. V.	
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design		
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity	
39-017-0018	1707 Runway Drive, Room #4	213	100	.082	U	211	99	.080	U	213	100	.076	U	100	.079	Y	
39-017-0023	2200 HENSLEY AVE.	213	100	.078	U	213	100	.077	U	210	98	.073	U	99	.076	Y	
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	173	81	.079	U	0			* X	0			* X	27	.079	N	
39-025-0022	2400 CLERMONT CENTER DR.	212	99	.082	U	213	100	.075	U	213	100	.069	U	100	.075	Y	
39-027-1002	300 Oak Drive Wilmington, 45177	213	100	.084	U	212	99	.076	U	209	98	.070	U	99	.076	Y	
39-061-0006	11590 GROOMS RD	211	99	.088	U	213	100	.080	U	210	98	.072	U	99	.080	Y	
39-061-0010	6950 RIPPLE RD.	209	98	.078	U	210	98	.079	U	174	81	.065	U	92	.074	Y	
39-061-0040	250 WM. HOWARD TAFT	213	100	.085	U	214	100	.075	U	210	98	.074	U	99	.078	Y	
39-165-0007	430 S EAST ST.	211	99	.082	U	213	100	.076	U	213	100	.077	U	100	.078	Y	

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015

Design Value Year: 2012
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Statistic: Annual 4th Maximum				Level: .07				State: Ohio							
Site ID	Poc STREET ADDRESS	2012		4th	Cert&	2011		4th	Cert&	2010		4th	Cert&	3 - Year		D. V.	
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design		
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity	
39-017-0018	1707 Runway Drive, Room #4	202	94	.084	Y	213	100	.082	U	211	99	.080	U	98	.082	Y	
39-017-0023	2200 HENSLEY AVE.	213	100	.083	Y	213	100	.078	U	213	100	.077	U	100	.079	Y	
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	199	93	.085	Y	173	81	.079	U	0			*	58	.082	N	
39-025-0022	2400 CLERMONT CENTER DR.	211	99	.091	Y	212	99	.082	U	213	100	.075	U	99	.082	Y	
39-027-1002	300 Oak Drive Wilmington, 45177	213	100	.086	Y	213	100	.084	U	212	99	.076	U	100	.082	Y	
39-061-0006	11590 GROOMS RD	206	96	.087	Y	211	99	.088	U	213	100	.080	U	98	.085	Y	
39-061-0010	6950 RIPPLE RD.	186	87	.083	Y	209	98	.078	U	210	98	.079	U	94	.080	Y	
39-061-0040	250 WM. HOWARD TAFT	213	100	.082	Y	213	100	.085	U	214	100	.075	U	100	.080	Y	
39-165-0007	430 S EAST ST.	213	100	.080	Y	211	99	.082	U	213	100	.076	U	100	.079	Y	

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2013
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2013		4th	Cert&	2012		4th	Cert&	2011		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	213	100	.068	U	202	94	.084	Y	213	100	.082	U	98	.078	Y
39-017-0023	2200 HENSLEY AVE.	209	98	.068	U	213	100	.083	Y	213	100	.078	U	99	.076	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	203	95	.069	Y	199	93	.085	Y	173	81	.079	U	90	.077	Y
39-025-0022	2400 CLERMONT CENTER DR.	211	99	.066	U	211	99	.091	Y	212	99	.082	U	99	.079	Y
39-027-1002	300 Oak Drive Wilmington, 45177	212	99	.064	U	213	100	.086	Y	213	100	.084	U	100	.078	Y
39-061-0006	11590 GROOMS RD	205	96	.069	U	206	96	.087	Y	211	99	.088	U	97	.081	Y
39-061-0010	6950 RIPPLE RD.	207	97	.064	U	186	87	.083	Y	209	98	.078	U	94	.075	Y
39-061-0040	250 WM. HOWARD TAFT	213	100	.069	U	213	100	.082	Y	213	100	.085	U	100	.078	Y
39-165-0007	430 S EAST ST.	212	99	.067	U	213	100	.080	Y	211	99	.082	U	99	.076	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2014
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2014		4th	Cert&	2013		4th	Cert&	2012		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	210	98	.069	Y	213	100	.068	U	202	94	.084	Y	97	.073	Y
39-017-0023	2200 HENSLEY AVE.	212	99	.070	Y	209	98	.068	U	213	100	.083	Y	99	.073	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	203	95	.069	Y	203	95	.069	Y	199	93	.085	Y	94	.074	Y
39-025-0022	2400 CLERMONT CENTER DR.	211	99	.068	Y	211	99	.066	U	211	99	.091	Y	99	.075	Y
39-027-1002	300 Oak Drive Wilmington, 45177	211	99	.070	Y	212	99	.064	U	213	100	.086	Y	99	.073	Y
39-061-0006	11590 GROOMS RD	208	97	.071	Y	205	96	.069	U	206	96	.087	Y	96	.075	Y
39-061-0010	6950 RIPPLE RD.	212	99	.073	Y	207	97	.064	U	186	87	.083	Y	94	.073	Y
39-061-0040	250 WM. HOWARD TAFT	213	100	.069	Y	213	100	.069	U	213	100	.082	Y	100	.073	Y
39-165-0007	430 S EAST ST.	213	100	.071	Y	212	99	.067	U	213	100	.080	Y	100	.072	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2015
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2015		4th	Cert&	2014		4th	Cert&	2013		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	212	99	.070	Y	210	98	.069	Y	213	100	.068	U	99	.069	Y
39-017-0023	2200 HENSLEY AVE.	201	94	.070	Y	212	99	.070	Y	209	98	.068	U	97	.069	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	188	88	.068	Y	203	95	.069	Y	203	95	.069	Y	93	.068	Y
39-025-0022	2400 CLERMONT CENTER DR.	210	98	.070	Y	211	99	.068	Y	211	99	.066	U	99	.068	Y
39-027-1002	300 Oak Drive Wilmington, 45177	213	100	.070	N	211	99	.070	Y	212	99	.064	U	99	.068	Y
39-061-0006	11590 GROOMS RD	209	98	.072	Y	208	97	.071	Y	205	96	.069	U	97	.070	Y
39-061-0010	6950 RIPPLE RD.	212	99	.070	Y	212	99	.073	Y	207	97	.064	U	98	.069	Y
39-061-0040	250 WM. HOWARD TAFT	211	99	.071	Y	213	100	.069	Y	213	100	.069	U	100	.069	Y
39-165-0007	430 S EAST ST.	213	100	.071	Y	213	100	.071	Y	212	99	.067	U	100	.069	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015

Design Value Year: 2016
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Statistic: Annual 4th Maximum				Level: .07				State: Ohio							
Site ID	Poc STREET ADDRESS	2016		4th	Cert&	2015		4th	Cert&	2014		4th	Cert&	3 - Year		D. V.	
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design		
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity	
39-017-0018	1707 Runway Drive, Room #4	210	98	.073	S	212	99	.070	Y	210	98	.069	Y	98	.070	Y	
39-017-0023	2200 HENSLEY AVE.	204	95	.076	S	201	94	.070	Y	212	99	.070	Y	96	.072	Y	
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	201	94	.071	Y	188	88	.068	Y	203	95	.069	Y	92	.069	Y	
39-025-0022	2400 CLERMONT CENTER DR.	211	99	.073	S	210	98	.070	Y	211	99	.068	Y	99	.070	Y	
39-027-1002	300 Oak Drive Wilmington, 45177	210	98	.071	S	213	100	.070	N	211	99	.070	Y	99	.070	Y	
39-061-0006	11590 GROOMS RD	211	99	.075	S	209	98	.072	Y	208	97	.071	Y	98	.072	Y	
39-061-0010	6950 RIPPLE RD.	211	99	.073	S	212	99	.070	Y	212	99	.073	Y	99	.072	Y	
39-061-0040	250 WM. HOWARD TAFT	212	99	.073	S	211	99	.071	Y	213	100	.069	Y	99	.071	Y	
39-165-0007	430 S EAST ST.	207	97	.074	S	213	100	.071	Y	213	100	.071	Y	99	.072	Y	

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2017
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2017		4th	Cert&	2016		4th	Cert&	2015		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	244	100	.070	S	210	98	.073	S	212	99	.070	Y	99	.071	Y
39-017-0023	2200 HENSLEY AVE.	244	100	.072	S	204	95	.076	S	201	94	.070	Y	96	.072	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	212	87	.069	Y	201	94	.071	Y	188	88	.068	Y	90	.069	Y
39-025-0022	2400 CLERMONT CENTER DR.	240	98	.068	S	211	99	.073	S	210	98	.070	Y	98	.070	Y
39-027-1002	300 Oak Drive Wilmington, 45177	244	100	.070	S	210	98	.071	S	213	100	.070	N	99	.070	Y
39-061-0006	11590 GROOMS RD	244	100	.072	S	211	99	.075	S	209	98	.072	Y	99	.073	Y
39-061-0010	6950 RIPPLE RD.	229	93	.068	S	211	99	.073	S	212	99	.070	Y	97	.070	Y
39-061-0040	250 WM. HOWARD TAFT	365	100	.071	S	212	99	.073	S	211	99	.071	Y	99	.071	Y
39-165-0007	430 S EAST ST.	240	98	.068	S	207	97	.074	S	213	100	.071	Y	98	.071	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2018
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2018		4th	Cert& Eval	2017		4th	Cert& Eval	2016		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	243	99	.076	S	244	100	.070	S	210	98	.073	S	99	.073	Y
39-017-0023	2200 HENSLEY AVE.	233	95	.073	S	244	100	.072	S	204	95	.076	S	97	.073	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	239	98	.070	Y	212	87	.069	Y	201	94	.071	Y	93	.070	Y
39-025-0022	2400 CLERMONT CENTER DR.	243	99	.069	S	240	98	.068	S	211	99	.073	S	99	.070	Y
39-027-1002	300 Oak Drive Wilmington, 45177	244	100	.067	S	244	100	.070	S	210	98	.071	S	99	.069	Y
39-061-0006	11590 GROOMS RD	241	98	.080	S	244	100	.072	S	211	99	.075	S	99	.075	Y
39-061-0010	6950 RIPPLE RD.	242	99	.075	S	229	93	.068	S	211	99	.073	S	97	.072	Y
39-061-0040	250 WM. HOWARD TAFT	361	99	.072	S	365	100	.071	S	212	99	.073	S	99	.072	Y
39-165-0007	430 S EAST ST.	238	97	.075	S	240	98	.068	S	207	97	.074	S	97	.072	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2019
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2019		4th	Cert&	2018		4th	Cert&	2017		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	240	98	.067	Y	243	99	.076	S	244	100	.070	S	99	.071	Y
39-017-0023	2200 HENSLEY AVE.	244	100	.067	Y	233	95	.073	S	244	100	.072	S	98	.070	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	230	94	.065	Y	239	98	.070	Y	212	87	.069	Y	93	.068	Y
39-025-0022	2400 CLERMONT CENTER DR.	241	98	.071	Y	243	99	.069	S	240	98	.068	S	98	.069	Y
39-027-1002	300 Oak Drive Wilmington, 45177	243	99	.065	Y	244	100	.067	S	244	100	.070	S	100	.067	Y
39-061-0006	11590 GROOMS RD	241	98	.072	Y	241	98	.080	S	244	100	.072	S	99	.074	Y
39-061-0010	6950 RIPPLE RD.	243	99	.067	Y	242	99	.075	S	229	93	.068	S	97	.070	Y
39-061-0040	250 WM. HOWARD TAFT	360	99	.071	Y	361	99	.072	S	365	100	.071	S	99	.071	Y
39-165-0007	430 S EAST ST.	235	96	.070	Y	238	97	.075	S	240	98	.068	S	97	.071	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2020
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2020		4th	Cert&	2019		4th	Cert&	2018		4th	Cert&	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max	Eval	Days	Complete	Max	Eval	Days	Complete	Max	Eval	Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	235	96	.070	Y	240	98	.067	Y	243	99	.076	S	98	.071	Y
39-017-0023	2200 HENSLEY AVE.	243	99	.067	Y	244	100	.067	Y	233	95	.073	S	98	.069	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	244	100	.064	Y	230	94	.065	Y	239	98	.070	Y	97	.066	Y
39-025-0022	2400 CLERMONT CENTER DR.	244	100	.064	Y	241	98	.071	Y	243	99	.069	S	99	.068	Y
39-027-1002	300 Oak Drive Wilmington, 45177	228	93	.062	Y	243	99	.065	Y	244	100	.067	S	97	.064	Y
39-061-0006	11590 GROOMS RD	242	99	.070	Y	241	98	.072	Y	241	98	.080	S	98	.074	Y
39-061-0010	6950 RIPPLE RD.	243	99	.070	Y	243	99	.067	Y	242	99	.075	S	99	.070	Y
39-061-0040	250 WM. HOWARD TAFT	355	97	.068	Y	360	99	.071	Y	361	99	.072	S	98	.070	Y
39-165-0007	430 S EAST ST.	244	100	.071	Y	235	96	.070	Y	238	97	.075	S	98	.072	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2021
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2021		4th	Cert& Eval	2020		4th	Cert& Eval	2019		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	242	99	.064	Y	235	96	.070	Y	240	98	.067	Y	98	.067	Y
39-017-0023	2200 HENSLEY AVE.	234	96	.066	Y	243	99	.067	Y	244	100	.067	Y	98	.066	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	241	98	.063	Y	244	100	.064	Y	230	94	.065	Y	97	.064	Y
39-025-0022	2400 CLERMONT CENTER DR.	241	98	.065	Y	244	100	.064	Y	241	98	.071	Y	99	.066	Y
39-027-1002	300 Oak Drive Wilmington, 45177	239	98	.062	Y	228	93	.062	Y	243	99	.065	Y	97	.063	Y
39-061-0006	11590 GROOMS RD	242	99	.070	Y	242	99	.070	Y	241	98	.072	Y	99	.070	Y
39-061-0010	6950 RIPPLE RD.	242	99	.064	Y	243	99	.070	Y	243	99	.067	Y	99	.067	Y
39-061-0040	250 WM. HOWARD TAFT	363	99	.069	Y	355	97	.068	Y	360	99	.071	Y	98	.069	Y
39-165-0007	430 S EAST ST.	244	100	.069	Y	244	100	.071	Y	235	96	.070	Y	99	.070	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2022
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2022		4th	Cert& Eval	2021		4th	Cert& Eval	2020		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	240	98	.067	Y	242	99	.064	Y	235	96	.070	Y	98	.067	Y
39-017-0023	2200 HENSLEY AVE.	243	99	.070	Y	234	96	.066	Y	243	99	.067	Y	98	.067	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	220	90	.066	Y	241	98	.063	Y	244	100	.064	Y	96	.064	Y
39-025-0022	2400 CLERMONT CENTER DR.	235	96	.063	Y	241	98	.065	Y	244	100	.064	Y	98	.064	Y
39-027-1002	300 Oak Drive Wilmington, 45177	243	99	.064	Y	239	98	.062	Y	228	93	.062	Y	97	.062	Y
39-061-0006	11590 GROOMS RD	243	99	.069	Y	242	99	.070	Y	242	99	.070	Y	99	.069	Y
39-061-0010	6950 RIPPLE RD.	239	98	.068	Y	242	99	.064	Y	243	99	.070	Y	99	.067	Y
39-061-0040	250 WM. HOWARD TAFT	356	98	.067	Y	363	99	.069	Y	355	97	.068	Y	98	.068	Y
39-165-0007	430 S EAST ST.	243	99	.069	Y	244	100	.069	Y	244	100	.071	Y	100	.069	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

Pollutant: Ozone(44201)
Standard Units: Parts per million(007)
NAAQS Standard: Ozone 8-hour 2015
Statistic: Annual 4th Maximum

Design Value Year: 2023
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

		Level: .07				State: Ohio										
Site ID	Poc STREET ADDRESS	2023		4th	Cert& Eval	2022		4th	Cert& Eval	2021		4th	Cert& Eval	3 - Year		D. V.
		Valid	Percent			Valid	Percent			Valid	Percent			Percent	Design	
		Days	Complete	Max		Days	Complete	Max		Days	Complete	Max		Complete	Value	Validity
39-017-0018	1707 Runway Drive, Room #4	242	99	.071	Y	240	98	.067	Y	242	99	.064	Y	99	.067	Y
39-017-0023	2200 HENSLEY AVE.	242	99	.068	Y	243	99	.070	Y	234	96	.066	Y	98	.068	Y
39-017-9991	Ecology Research Center, Miami University, Oxford, Ohio 45056	241	98	.069	Y	220	90	.066	Y	241	98	.063	Y	95	.066	Y
39-025-0022	2400 CLERMONT CENTER DR.	244	100	.068	Y	235	96	.063	Y	241	98	.065	Y	98	.065	Y
39-027-1002	300 Oak Drive Wilmington, 45177	241	98	.074	Y	243	99	.064	Y	239	98	.062	Y	98	.066	Y
39-061-0006	11590 GROOMS RD	242	99	.073	Y	243	99	.069	Y	242	99	.070	Y	99	.070	Y
39-061-0010	6950 RIPPLE RD.	241	98	.073	Y	239	98	.068	Y	242	99	.064	Y	98	.068	Y
39-061-0040	250 WM. HOWARD TAFT	361	99	.075	Y	356	98	.067	Y	363	99	.069	Y	99	.070	Y
39-165-0007	430 S EAST ST.	243	99	.074	Y	243	99	.069	Y	244	100	.069	Y	99	.070	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Jan. 2, 2025

CERTIFICATION EVALUATION AND CONCURRENCE FLAG MEANINGS

FLAG	MEANING
M	The monitoring organization has revised data from this monitor since the most recent certification letter received from the state.
N	The certifying agency has submitted the certification letter and required summary reports, but the certifying agency and/or EPA has determined that issues regarding the quality of the ambient concentration data cannot be resolved due to data completeness, the lack of performed quality assurance checks or the results of uncertainty statistics shown in the AMP255 report or the certification and quality assurance report.
S	The certifying agency has submitted the certification letter and required summary reports. A value of "S" conveys no Regional assessment regarding data quality per se. This flag will remain until the Region provides an "N" or "Y" concurrence flag.
U	Uncertified. The certifying agency did not submit a required certification letter and summary reports for this monitor even though the due date has passed, or the state's certification letter specifically did not apply the certification to this monitor.
X	Certification is not required by 40 CFR 58.15 and no conditions apply to be the basis for assigning another flag value
Y	The certifying agency has submitted a certification letter, and EPA has no unresolved reservations about data quality (after reviewing the letter, the attached summary reports, the amount of quality assurance data submitted to AQS, the quality statistics, and the highest reported concentrations).

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Appendix C – Interagency Consultation Group Meeting Transcription

Transcript of IAC Discussion:

Kentucky 2037 Motor Vehicle Emissions Budgets for the Cincinnati-Hamilton, OH-KY-IN Area

February 24, 2025

- **Borwig, Blake P (EEC)** started transcription; Claire Oyler helped facilitate the discussion.

BP **Borwig, Blake P (EEC)** 0:06

All right, everyone. We'll go ahead and get started. Thanks for joining today. We're here to talk about the Kentucky mobile emissions budgets for the Cincinnati 2008 ozone NAAQS maintenance plan. We received a request to have this meeting to discuss the budgets, so we'd like to open up the floor and see if anyone has any general questions. We're also going to go ahead and pull up the budgets. Simone, did you have a question for us?

JS **Jarvis, Simone** 0:51

Hey Blake, it's Simone. No specific question. Just thought it would be helpful to kind of get everyone together and walk through your process.

BP **Borwig, Blake P (EEC)** 1:02

That makes sense. Well, we're happy to field any questions or walk through it. Claire is going to talk about how we came up with the budgets.

Claire Oyler begins speaking

So back during the original IAC process, we all kind of got together and OKI made the original budgets and then within the area between Kentucky, Ohio and Indiana. We've all selected 15% as the safety margin percentage and we've gone from there to develop the table that you see before you. And then just to be consistent throughout, we think that it's best to go with the budgets that we've proposed. As far as we know, the Ohio portion of the area is making its way towards EPA final approval in Region 5 and then Indiana is a little bit ahead of us as well using these same budgets.

AR **Andy Reser** 2:03

Hey Blake, this is Andi Reser from OKI.

BP **Borwig, Blake P (EEC)** 2:06

Hey, Andy, how are you?

AR **Andy Reser** 2:08

Good. Hey, I have a question.

The VMT that you have listed, I don't think it should be implied or put in this table that it's a budget. I think the budgets are just the VOC at NOx emissions.

The VMT is just for information. It should not be a budget.

BP **Borwig, Blake P (EEC)** 2:30

Okay. Thanks for letting us know that. We'll remove that from the table in the IAC email and remove it from our SIP table as well.

WW **Witt, Thomas W (KYTC)** 2:48

I mean, would it be helpful to include like somewhere in the documentation that that's the VMT that the budgets are based upon?

BP **Borwig, Blake P (EEC)** 2:57

Claire Oyler speaking

Yeah, we can definitely go ahead and include it in a separate table just so it's clear that it's not a part of these budgets. We can definitely include it in our SIP narrative as well.

WW **Witt, Thomas W (KYTC)** 3:08

Okay. Thanks. Is that good with you, Andy?

AR **Andy Reser** 3:11

Yes, just so there's no implied, or otherwise, notion that we have to be under VMT budgets. That's not a thing. It's just the VOC and NOx budgets.

WW Witt, Thomas W (KYTC) 3:20

Yeah, good point.

BP Borwig, Blake P (EEC) 3:26

Hi, Diana. I see that you have your hand up.

MD Myers, Dianna 3:29

Yes, I guess my question... well, I'll make a comment because this is a second ten-year maintenance plan. The budget that you have on the books from your first ten-year maintenance plan, those budgets will remain on the books. So when this area is modeling for their conformity determinations, you will have to keep those budgets in consideration. So for the other areas that have submitted the 2nd 10-year maintenance plan, we have reminded them of that criteria so you will probably want to take a look now to see how those previous budgets will fall in line with the budget for the 2nd 10 year maintenance plan.

So Andy, I don't know if you have any information on just how the area looks when it comes to demonstrating conformity because you know we have.

We're in the grace period for two different models when it comes to transportation conformity, we have MOVES 4 and MOVES 5, so it's a good idea to kind of take a look if you haven't already, as to how these budgets would match up with the new versions of MOVES.

AR Andy Reser 5:13

Yeah, we haven't used MOVES 5 yet. These budgets are based on MOVES 4. And these are from runs that we did in July/August of last year.

MD Myers, Dianna 5:26

Okay. But do keep in mind, I can't remember at the moment which years you have budgets for in the 1st 10-year plan for the 2008 NAAQS.

JS Jarvis, Simone 5:38

Diana, it's 2020 and 2030.

MD Myers, Dianna 5:46

Okay. So 2020 is in the past, but 2030 you would have to still use those budgets. So we've had some areas to put in their submittal that they're going to request that EPA remove the 2030 budgets if it causes a problem, I don't know for this area that they will, but you have to take the entire picture into consideration, you know, to kind of see what's going on, but that is pretty much what we've instructed the other areas to take a look at. And then when you submit the SIP for approval, you can ask EPA to remove those budgets, or you just keep them in play.

AR Andy Reser 6:43

Yeah, Diana, this is Andy Reiser from OKI.

So our plan was to keep the 2030 budgets for Kentucky in our TIP plan for now, because Kentucky's so early in the process. Do you want us to show these new 2037 budgets as well?

MD Myers, Dianna 7:05

It would be a good idea to just kinda look. And I'm just bringing it out so that you can take a look, you know, at the area because I know with the new MOVES model emissions kind of change and look a little different. The numbers are kinda close for 2040 and then after 2040, they tend to kind of open up a little. So just keep that in mind.

BP Borwig, Blake P (EEC) 7:38

Thanks for making note of that, Diana.

Would anyone else like to add to the discussion?

Well, hearing nothing else, we appreciate everyone's time today and I'll send out a follow up e-mail just telling everyone that we removed the VMT numbers from the table and we appreciate everyone for joining. And please give us your concurrence by this Friday if you can.

JS Jarvis, Simone 8:26

Thanks so much.

Blake and Claire have a good one.

AR **Andy Reser** 8:27
Thank you.

WS **Wallace, Samuel (FHWA)** 8:27
Thank you all.

BP **Borwig, Blake P (EEC)** 8:28
Thanks everyone.

JL **Jobe, Cassandra L (EEC)** 8:29
Thank you.

GS **Gotvald, Sunday** 8:31
Thank you.

□ **Borwig, Blake P (EEC)** stopped transcription

**Appendix D – Interagency Consultation
Group Concurrence for Kentucky's 2037
Motor Vehicle Emissions Budgets**

Borwig, Blake P (EEC)

From: Jarvis, Simone <Jarvis.Simone@epa.gov>
Sent: Tuesday, February 25, 2025 1:07 PM
To: Borwig, Blake P (EEC); Andy Reser; Ana Ramirez; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank; Blackburn, Dane D (KYTC-D06); Myers, Dianna; Gina Douthat (gdouthat@tankbus.org); LaRocca, Sarah; Mary Huller; Mitchell, Jay; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov); Lane, Randy; Witt, Thomas W (KYTC); Maietta, Anthony; Vail, Nick (FHWA); Carpenter, Patrick (FHWA); Leslie, Michael; Sam Wallace; Spencer.Smith@dot.ohio.gov; Cales, Michael; Jocelyn Hoffman; Oyler, Claire (EEC); Graham Johnson; Kenny, William; k.carmanygeorge@dot.gov; Nallaballi, Neena; Harrod, Justin D (KYTC); Balaji, Jayalakshmi J (KYTC); Korostina, Dasha A (KYTC); Gotvald, Sunday; sseals@idem.in.gov; Jennifer VanVlerah; Sheets, Alec; CALLAHAN, BRIAN
Cc: Jobe, Cassandra L (EEC)
Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Hi Blake,

EPA R4 concurs with the 15% safety margin for the 2037 motor vehicle emissions budget.

Thanks,
Simone Jarvis

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>
Sent: Tuesday, February 25, 2025 12:01 PM
To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <LaRocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A

(KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>; sseals@idem.in.gov; Jennifer VanVlerah <Jennifer.VanVlerah@epa.ohio.gov>; Sheets, Alec <Alec.Sheets@epa.ohio.gov>; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

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Hi all,

Thank you to everyone who attended the IAC discussion yesterday.

To recap: During the discussion, it was suggested that VMT information be moved to a separate table within our second maintenance plan. We've made this change to clarify that there are no budgets for VMT. We are only proposing NO_x and VOC budgets, which include a 15% safety margin. The proposed budgets are shown in the table below.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NO_x (TSD)	1.99	0.30	2.29

Please respond indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Thursday, February 20, 2025 12:10 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>) <Nathaniel.Brugler@dot.ohio.gov>;

Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Hi all,

Just providing an update that the Division has sent out a meeting invite for Monday February 24th at 3 pm (EST) to discuss the proposed KY motor vehicle emissions budgets. The meeting will be recorded for documentation of the IAC process to be included in our SIP submittal.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Wednesday, February 19, 2025 9:58 AM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning all,

The Division is organizing a meeting to accommodate EPA Region 4's request to have a discussion about the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN maintenance area. Please complete the following Doodle Poll and I'll schedule the meeting at a time that works best for everyone.

<https://doodle.com/group-poll/participate/bo81jRBd>

Thanks in advance for your timely response to the poll above.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Jarvis, Simone <Jarvis.Simone@epa.gov>

Sent: Wednesday, February 19, 2025 8:35 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org> <gdouthat@tankbus.org>); LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>); Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; <daniel.forbush@dot.gov>; <k.carmanygeorge@dot.gov>; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Following up to actually cc Sunday (whoops!)

Thanks,
Simone

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Jarvis, Simone

Sent: Wednesday, February 19, 2025 8:08 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org> <gdouthat@tankbus.org>); LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>); Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning Blake,

A quick call to discuss would be helpful. Also, could you please include Sunday Gotvald (cc'ed here) on correspondence going forward?

Thank you!
Simone Jarvis

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 18, 2025 2:23 PM

To: Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org> <gdouthat@tankbus.org>); Jarvis, Simone <Jarvis.Simone@epa.gov>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>); Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>;

Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Job_e_ky.gov <Cassandra.Job_e_ky.gov>

Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hello everyone,

The Kentucky Division for Air Quality (the Division) is beginning the interagency consultation process for the 2008 ozone NAAQS second 10-year maintenance plan for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area.

In August of 2024, the Ohio-Kentucky-Indiana Regional Council of Governments (OKI) completed MOVES modeling that resulted in the development of onroad mobile source emissions for the 2008 ozone NAAQS second 10-year maintenance plan for the Ohio, Kentucky, and Indiana portions of the Cincinnati-Hamilton, OH-KY-IN area. The August 7, 2024, OKI TSD is attached for your review.

Ohio EPA has already finalized the motor vehicle emissions budgets for the Ohio portion of the area. The Indiana Department of Environmental Management (IDEM) is in the process of finalizing the motor vehicle emissions budgets for the Indiana portion of the area.

The Division is requesting concurrence with the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the area (which are included in the table below). Please note that 2037 is the maintenance year for the area and is the only year that requires budgets. The Division chose to accommodate a 15% safety margin for the proposed budgets.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NOX (TSD)	1.99	0.30	2.29
VMT (miles/day)	11,683,003	1,752,450	13,435,453

If you would like to have a call regarding this, please let me know by Friday, February 21st. Otherwise, **please respond** indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig
Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality
Kentucky Energy and Environment Cabinet
Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

Borwig, Blake P (EEC)

From: Nallaballi, Neena <Nallaballi.Neena@epa.gov>
Sent: Wednesday, February 26, 2025 1:16 PM
To: Borwig, Blake P (EEC); Jarvis, Simone; Andy Reser; Ana Ramirez; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank; Blackburn, Dane D (KYTC-D06); Myers, Dianna; Gina Douthat (gdouthat@tankbus.org); LaRocca, Sarah; Mary Huller; Mitchell, Jay; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov); Lane, Randy; Witt, Thomas W (KYTC); Maietta, Anthony; Vail, Nick (FHWA); Carpenter, Patrick (FHWA); Leslie, Michael; Sam Wallace; Spencer.Smith@dot.ohio.gov; Cales, Michael; Jocelyn Hoffman; Oyler, Claire (EEC); Graham Johnson; Kenny, William; k.carmanygeorge@dot.gov; Harrod, Justin D (KYTC); Balaji, Jayalakshmi J (KYTC); Korostina, Dasha A (KYTC); Gotvald, Sunday; sseals@idem.in.gov; Jennifer VanVlerah; Sheets, Alec; CALLAHAN, BRIAN
Cc: Jobe, Cassandra L (EEC)
Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Good afternoon,

EPA R5 concurs with the 15% safety margin applied to the proposed 2037 Motor vehicle emission budgets.

Neena Nallaballi
Control Strategies Section
EPA Region-5
Nallaballi.Neena@epa.gov
312-353-1770

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>
Sent: Tuesday, February 25, 2025 11:01 AM
To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod,

Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>; sseals@idem.in.gov; Jennifer VanVlerah <Jennifer.VanVlerah@epa.ohio.gov>; Sheets, Alec <Alec.Sheets@epa.ohio.gov>; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Cassandra.Jobse_ky.gov <Cassandra.Jobse@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

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Hi all,

Thank you to everyone who attended the IAC discussion yesterday.

To recap: During the discussion, it was suggested that VMT information be moved to a separate table within our second maintenance plan. We've made this change to clarify that there are no budgets for VMT. We are only proposing NO_x and VOC budgets, which include a 15% safety margin. The proposed budgets are shown in the table below.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NO _x (TSD)	1.99	0.30	2.29

Please respond indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Thursday, February 20, 2025 12:10 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell,

Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Hi all,

Just providing an update that the Division has sent out a meeting invite for Monday February 24th at 3 pm (EST) to discuss the proposed KY motor vehicle emissions budgets. The meeting will be recorded for documentation of the IAC process to be included in our SIP submittal.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Wednesday, February 19, 2025 9:58 AM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov;

Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning all,

The Division is organizing a meeting to accommodate EPA Region 4's request to have a discussion about the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN maintenance area. Please complete the following Doodle Poll and I'll schedule the meeting at a time that works best for everyone.

<https://doodle.com/group-poll/participate/bo81jRBd>

Thanks in advance for your timely response to the poll above.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Jarvis, Simone <Jarvis.Simone@epa.gov>

Sent: Wednesday, February 19, 2025 8:35 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; <daniel.forbush@dot.gov>; <k.carmanygeorge@dot.gov>; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Following up to actually cc Sunday (whoops!)

Thanks,
Simone

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Jarvis, Simone

Sent: Wednesday, February 19, 2025 8:08 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning Blake,

A quick call to discuss would be helpful. Also, could you please include Sunday Gotvald (cc'ed here) on correspondence going forward?

Thank you!
Simone Jarvis

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 18, 2025 2:23 PM

To: Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; Jarvis, Simone <Jarvis.Simone@epa.gov>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA)

<patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>;
Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn
Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny,
William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena
<Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC)
<Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Job_e_ky.gov <Cassandra.Job_e_ky.gov>

Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hello everyone,

The Kentucky Division for Air Quality (the Division) is beginning the interagency consultation process for the 2008 ozone NAAQS second 10-year maintenance plan for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area.

In August of 2024, the Ohio-Kentucky-Indiana Regional Council of Governments (OKI) completed MOVES modeling that resulted in the development of onroad mobile source emissions for the 2008 ozone NAAQS second 10-year maintenance plan for the Ohio, Kentucky, and Indiana portions of the Cincinnati-Hamilton, OH-KY-IN area. The August 7, 2024, OKI TSD is attached for your review.

Ohio EPA has already finalized the motor vehicle emissions budgets for the Ohio portion of the area. The Indiana Department of Environmental Management (IDEM) is in the process of finalizing the motor vehicle emissions budgets for the Indiana portion of the area.

The Division is requesting concurrence with the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the area (which are included in the table below). Please note that 2037 is the maintenance year for the area and is the only year that requires budgets. The Division chose to accommodate a 15% safety margin for the proposed budgets.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NOX (TSD)	1.99	0.30	2.29
VMT (miles/day)	11,683,003	1,752,450	13,435,453

If you would like to have a call regarding this, please let me know by Friday, February 21st. Otherwise, **please respond** indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

Borwig, Blake P (EEC)

From: Vail, Nick (FHWA) <nick.vail@dot.gov>
Sent: Tuesday, February 25, 2025 12:47 PM
To: sseals idem.in.gov; Borwig, Blake P (EEC); Jarvis, Simone; Andy Reser; Ana Ramirez; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank; Blackburn, Dane D (KYTC-D06); Myers, Dianna; Gina Douthat (gdouthat@tankbus.org); LaRocca, Sarah; Mary Huller; Mitchell, Jay; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov); Randy Lane; Witt, Thomas W (KYTC); Maietta, Anthony; Carpenter, Patrick (FHWA); Leslie, Michael; Wallace, Samuel (FHWA); Spencer.Smith@dot.ohio.gov; Cales, Michael; Johnson, Jocelyn (FTA); Oyler, Claire (EEC); Graham Johnson; Kenny, William; Carmany-George, Karstin (FHWA); Nallaballi, Neena; Harrod, Justin D (KYTC); Balaji, Jayalakshmi J (KYTC); Korostina, Dasha A (KYTC); Gotvald, Sunday (she/her/hers); Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN
Cc: Jobe, Cassandra L (EEC); John.Ballantyne@dot.gov
Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Blake,

FHWA-KY also concurs with the 15% safety margin.

Nick Vail, FHWA-KY
Community Planner
330 W. Broadway, Rm 264
USDOT Federal Highway Administration (FHWA)
Frankfort, KY 40601-1981
P:502 223 6727
nick.vail@dot.gov
<http://www.fhwa.dot.gov/kydiv/index.htm>

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From: SEALS, SHAWN <SSEALS@idem.IN.gov>

Sent: Tuesday, February 25, 2025 12:28 PM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Randy Lane <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Wallace, Samuel (FHWA) <samuel.wallace@dot.gov>; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Johnson, Jocelyn (FTA) <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; Carmany-George, Karstin (FHWA) <k.carmanygeorge@dot.gov>; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <justin.harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: Re: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

CAUTION: This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon!

IDEM concurs with a 15% Margin of Safety being applied to the baseline 2037 mobile source emissions projections.

Thanks...Peace...Shawn



Shawn M. Seals

Senior Environmental Manager

DieselWise Indiana and Volkswagen Trust Administrator

(317) 233-0425 • SSeals@idem.IN.gov



www.idem.IN.gov

Scan the QR code to leave your feedback.

We appreciate your input!



From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 25, 2025 12:01 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov <ANTHONY.HILL@dot.ohio.gov>; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat <gdouthat@tankbus.org> <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler <Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Spencer.Smith@dot.ohio.gov <Spencer.Smith@dot.ohio.gov>; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; Carmany-George, Karstin (FHWA) <k.carmanygeorge@dot.gov>; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <justin.harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <SSEALS@idem.IN.gov>; Jennifer.VanVlerah@epa.ohio.gov <Jennifer.VanVlerah@epa.ohio.gov>; Alec.Sheets@epa.ohio.gov <Alec.Sheets@epa.ohio.gov>; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

EXTERNAL EMAIL: This email was sent from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi all,

Thank you to everyone who attended the IAC discussion yesterday.

To recap: During the discussion, it was suggested that VMT information be moved to a separate table within our second maintenance plan. We've made this change to clarify that there are no budgets for VMT. We are only proposing NO_x and VOC budgets, which include a 15% safety margin. The proposed budgets are shown in the table below.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NO _x (TSD)	1.99	0.30	2.29

Please respond indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Thursday, February 20, 2025 12:10 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Hi all,

Just providing an update that the Division has sent out a meeting invite for Monday February 24th at 3 pm (EST) to discuss the proposed KY motor vehicle emissions budgets. The meeting will be recorded for documentation of the IAC process to be included in our SIP submittal.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Wednesday, February 19, 2025 9:58 AM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning all,

The Division is organizing a meeting to accommodate EPA Region 4's request to have a discussion about the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN maintenance area. Please complete the following Doodle Poll and I'll schedule the meeting at a time that works best for everyone.

<https://doodle.com/group-poll/participate/bo81jRBd>

Thanks in advance for your timely response to the poll above.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Jarvis, Simone <Jarvis.Simone@epa.gov>

Sent: Wednesday, February 19, 2025 8:35 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>;

ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Following up to actually cc Sunday (whoops!)

Thanks,
Simone

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Jarvis, Simone

Sent: Wednesday, February 19, 2025 8:08 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Job@ky.gov <Cassandra.Job@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning Blake,

A quick call to discuss would be helpful. Also, could you please include Sunday Gotvald (cc'ed here) on correspondence going forward?

Thank you!
Simone Jarvis

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>
Sent: Tuesday, February 18, 2025 2:23 PM
To: Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat <gdouthat@tankbus.org> <gdouthat@tankbus.org>; Jarvis, Simone <Jarvis.Simone@epa.gov>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler <Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>
Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>
Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

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Hello everyone,

The Kentucky Division for Air Quality (the Division) is beginning the interagency consultation process for the 2008 ozone NAAQS second 10-year maintenance plan for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area.

In August of 2024, the Ohio-Kentucky-Indiana Regional Council of Governments (OKI) completed MOVES modeling that resulted in the development of onroad mobile source emissions for the 2008 ozone NAAQS second 10-year maintenance plan for the Ohio, Kentucky, and Indiana portions of the Cincinnati-Hamilton, OH-KY-IN area. The August 7, 2024, OKI TSD is attached for your review.

Ohio EPA has already finalized the motor vehicle emissions budgets for the Ohio portion of the area. The Indiana Department of Environmental Management (IDEM) is in the process of finalizing the motor vehicle emissions budgets for the Indiana portion of the area.

The Division is requesting concurrence with the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the area (which are included in the table below). Please note that 2037 is the maintenance year for the area and is the only year that requires budgets. The Division chose to accommodate a 15% safety margin for the proposed budgets.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NOX (TSD)	1.99	0.30	2.29
VMT (miles/day)	11,683,003	1,752,450	13,435,453

If you would like to have a call regarding this, please let me know by Friday, February 21st. Otherwise, **please respond** indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

Borwig, Blake P (EEC)

From: Wallace, Samuel (FHWA) <samuel.wallace@dot.gov>
Sent: Tuesday, February 25, 2025 12:52 PM
To: Borwig, Blake P (EEC); Jarvis, Simone; Andy Reser; Ana Ramirez; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank; Blackburn, Dane D (KYTC-D06); Myers, Dianna; Gina Douthat (gdouthat@tankbus.org); LaRocca, Sarah; Mary Huller; Mitchell, Jay; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov); Randy Lane; Witt, Thomas W (KYTC); Maietta, Anthony; Vail, Nick (FHWA); Carpenter, Patrick (FHWA); Leslie, Michael; Spencer.Smith@dot.ohio.gov; Cales, Michael; Johnson, Jocelyn (FTA); Oyler, Claire (EEC); Graham Johnson; Kenny, William; Carmany-George, Karstin (FHWA); Nallaballi, Neena; Harrod, Justin D (KYTC); Balaji, Jayalakshmi J (KYTC); Korostina, Dasha A (KYTC); Gotvald, Sunday (she/her/hers); sseals idem.in.gov; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN
Cc: Jobe, Cassandra L (EEC)
Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Good Day,

FHWA-OH concurs with the proposed budgets for the Kentucky portion of the area.

Thank you for the contact and coordination.

Best Regards,
Sam



Sam Wallace

U.S. DOT | FHWA Ohio Division
Community Transportation Planner
200 North High St, Room 328
Columbus, OH 43215
(614) 280-6839
Samuel.Wallace@dot.gov
<https://www.fhwa.dot.gov/ohdiv/>

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>
Sent: Tuesday, February 25, 2025 12:01 PM
To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Randy Lane <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony

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Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

CAUTION: This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Hi all,

Thank you to everyone who attended the IAC discussion yesterday.

To recap: During the discussion, it was suggested that VMT information be moved to a separate table within our second maintenance plan. We've made this change to clarify that there are no budgets for VMT. We are only proposing NO_x and VOC budgets, which include a 15% safety margin. The proposed budgets are shown in the table below.

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NO _x (TSD)	1.99	0.30	2.29

Please respond indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



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From: Borwig, Blake P (EEC)

Sent: Thursday, February 20, 2025 12:10 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org> <gdouthat@tankbus.org>); LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>); Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Hi all,

Just providing an update that the Division has sent out a meeting invite for Monday February 24th at 3 pm (EST) to discuss the proposed KY motor vehicle emissions budgets. The meeting will be recorded for documentation of the IAC process to be included in our SIP submittal.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Wednesday, February 19, 2025 9:58 AM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org> <gdouthat@tankbus.org>); LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>); Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA)

<patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>;
Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn
Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson
<graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov;
Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J
(KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday
(she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov;
Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year
Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning all,

The Division is organizing a meeting to accommodate EPA Region 4's request to have a discussion about the
proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN
maintenance area. Please complete the following Doodle Poll and I'll schedule the meeting at a time that works
best for everyone.

<https://doodle.com/group-poll/participate/bo81jRBd>

Thanks in advance for your timely response to the poll above.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Jarvis, Simone <Jarvis.Simone@epa.gov>

Sent: Wednesday, February 19, 2025 8:35 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>;
ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06)
<Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org)
<gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell,
Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>;
Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony
<maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA)
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Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson
<graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov;
k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC)

<Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Following up to actually cc Sunday (whoops!)

Thanks,
Simone

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Jarvis, Simone

Sent: Wednesday, February 19, 2025 8:08 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat <gdouthat@tankbus.org>; gdouthat@tankbus.org; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning Blake,

A quick call to discuss would be helpful. Also, could you please include Sunday Gotvald (cc'ed here) on correspondence going forward?

Thank you!
Simone Jarvis

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 18, 2025 2:23 PM

To: Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; Jarvis, Simone <Jarvis.Simone@epa.gov>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Jobse_ky.gov <Cassandra.Jobse@ky.gov>

Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hello everyone,

The Kentucky Division for Air Quality (the Division) is beginning the interagency consultation process for the 2008 ozone NAAQS second 10-year maintenance plan for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area.

In August of 2024, the Ohio-Kentucky-Indiana Regional Council of Governments (OKI) completed MOVES modeling that resulted in the development of onroad mobile source emissions for the 2008 ozone NAAQS second 10-year maintenance plan for the Ohio, Kentucky, and Indiana portions of the Cincinnati-Hamilton, OH-KY-IN area. The August 7, 2024, OKI TSD is attached for your review.

Ohio EPA has already finalized the motor vehicle emissions budgets for the Ohio portion of the area. The Indiana Department of Environmental Management (IDEM) is in the process of finalizing the motor vehicle emissions budgets for the Indiana portion of the area.

The Division is requesting concurrence with the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the area (which are included in the table below). Please note that 2037 is the maintenance year for the area and is the only year that requires budgets. The Division chose to accommodate a 15% safety margin for the proposed budgets.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NOX (TSD)	1.99	0.30	2.29
VMT (miles/day)	11,683,003	1,752,450	13,435,453

If you would like to have a call regarding this, please let me know by Friday, February 21st. Otherwise, **please respond** indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

Borwig, Blake P (EEC)

From: Andy Reser <ARESER@oki.org>
Sent: Monday, February 24, 2025 3:59 PM
To: Borwig, Blake P (EEC)
Subject: Re: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Blake,

OKI concurs with the proposed VOC and NOx MVEB's.

Andy Reser, AICP

Manager of Transportation Programming

OKI Regional Council of Governments

720 E. Pete Rose Way, Suite 420 Cincinnati, Ohio 45202

513.619.7688

www.oki.org | areser@oki.org



From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 18, 2025 2:22 PM

To: Andy Reser <ARESER@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov <ANTHONY.HILL@dot.ohio.gov>; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Dianna B. Myers (myers.dianna@epa.gov) <myers.dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; Jarvis, Simone (she/her/hers) <Jarvis.Simone@epa.gov>; Larocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Tony Maietta <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Michael Leslie <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov <Andrea.Henderson@dot.ohio.gov>; Spencer.Smith@dot.ohio.gov <Spencer.Smith@dot.ohio.gov>; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; william.kenny@epa.ohio.gov <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov <daniel.forbush@dot.gov>; Carmany-George, Karstin (FHWA) <k.carmanygeorge@dot.gov>; Neena Nallaballi <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>

Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

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The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov





Please consider the environment before printing this e-mail.

Borwig, Blake P (EEC)

From: SEALS, SHAWN <SSEALS@idem.IN.gov>
Sent: Tuesday, February 25, 2025 12:28 PM
To: Borwig, Blake P (EEC); Jarvis, Simone; Andy Reser; Ana Ramirez; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank; Blackburn, Dane D (KYTC-D06); Myers, Dianna; Gina Douthat (gdouthat@tankbus.org); LaRocca, Sarah; Mary Huller; Mitchell, Jay; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov); Lane, Randy; Witt, Thomas W (KYTC); Maietta, Anthony; Vail, Nick (FHWA); Carpenter, Patrick (FHWA); Leslie, Michael; Sam Wallace; Spencer.Smith@dot.ohio.gov; Cales, Michael; Jocelyn Hoffman; Oyler, Claire (EEC); Graham Johnson; Kenny, William; Carmany-George, Karstin (FHWA); Nallaballi, Neena; Harrod, Justin D (KYTC); Balaji, Jayalakshmi J (KYTC); Korostina, Dasha A (KYTC); Gotvald, Sunday (she/her/hers); Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN
Cc: Jobe, Cassandra L (EEC)
Subject: Re: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Good Afternoon!

IDEM concurs with a 15% Margin of Safety being applied to the baseline 2037 mobile source emissions projections.

Thanks...Peace...Shawn



Shawn M. Seals

Senior Environmental Manager

DieselWise Indiana and Volkswagen Trust Administrator

(317) 233-0425 • SSeals@idem.IN.gov



www.idem.IN.gov

Scan the QR code to leave your feedback.

We appreciate your input!



From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 25, 2025 12:01 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>;

ANTHONY.HILL@dot.ohio.gov <ANTHONY.HILL@dot.ohio.gov>; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Spencer.Smith@dot.ohio.gov <Spencer.Smith@dot.ohio.gov>; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; Carmany-George, Karstin (FHWA) <k.carmanygeorge@dot.gov>; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <justin.harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <SSEALS@idem.IN.gov>; Jennifer.VanVlerah@epa.ohio.gov <Jennifer.VanVlerah@epa.ohio.gov>; Alec.Sheets@epa.ohio.gov <Alec.Sheets@epa.ohio.gov>; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>
Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

EXTERNAL EMAIL: This email was sent from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi all,

Thank you to everyone who attended the IAC discussion yesterday.

To recap: During the discussion, it was suggested that VMT information be moved to a separate table within our second maintenance plan. We've made this change to clarify that there are no budgets for VMT. We are only proposing NO_x and VOC budgets, which include a 15% safety margin. The proposed budgets are shown in the table below.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

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VOC (TSD)	1.90	0.29	2.19
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Please respond indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Thursday, February 20, 2025 12:10 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Hi all,

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Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

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From: Borwig, Blake P (EEC)

Sent: Wednesday, February 19, 2025 9:58 AM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org> <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning all,

The Division is organizing a meeting to accommodate EPA Region 4's request to have a discussion about the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN maintenance area. Please complete the following Doodle Poll and I'll schedule the meeting at a time that works best for everyone.

<https://doodle.com/group-poll/participate/bo81jRBd>

Thanks in advance for your timely response to the poll above.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Jarvis, Simone <Jarvis.Simone@epa.gov>

Sent: Wednesday, February 19, 2025 8:35 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06)

<Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org)
<gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell,
Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>;
Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony
<maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA)
<patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>;
Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn
Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson
<graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov;
k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC)
<Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC)
<dasha.korostina@ky.gov>
Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>
Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year
Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Following up to actually cc Sunday (whoops!)

Thanks,
Simone

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Jarvis, Simone

Sent: Wednesday, February 19, 2025 8:08 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>;
ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06)
<Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org)
<gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell,
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<maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA)
<patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>;
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<Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Job@ky.gov <Cassandra.Job@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year
Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning Blake,

A quick call to discuss would be helpful. Also, could you please include Sunday Gotvald (cc'ed here) on
correspondence going forward?

Thank you!

Simone Jarvis

Life Scientist

US EPA Region 4 | Air & Radiation Division

Air Regulatory Management Section

Phone: 404-562-8393

E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 18, 2025 2:23 PM

To: Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat <gdouthat@tankbus.org> <gdouthat@tankbus.org>; Jarvis, Simone <Jarvis.Simone@epa.gov>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Job_e_ky.gov <Cassandra.Job_e_ky.gov>

Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hello everyone,

The Kentucky Division for Air Quality (the Division) is beginning the interagency consultation process for the 2008 ozone NAAQS second 10-year maintenance plan for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area.

In August of 2024, the Ohio-Kentucky-Indiana Regional Council of Governments (OKI) completed MOVES modeling that resulted in the development of onroad mobile source emissions for the 2008 ozone NAAQS second 10-year maintenance plan for the Ohio, Kentucky, and Indiana portions of the Cincinnati-Hamilton, OH-KY-IN area. The August 7, 2024, OKI TSD is attached for your review.

Ohio EPA has already finalized the motor vehicle emissions budgets for the Ohio portion of the area. The Indiana Department of Environmental Management (IDEM) is in the process of finalizing the motor vehicle emissions budgets for the Indiana portion of the area.

The Division is requesting concurrence with the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the area (which are included in the table below). Please note that 2037 is the maintenance year for the area and is the only year that requires budgets. The Division chose to accommodate a 15% safety margin for the proposed budgets.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NOX (TSD)	1.99	0.30	2.29
VMT (miles/day)	11,683,003	1,752,450	13,435,453

If you would like to have a call regarding this, please let me know by Friday, February 21st. Otherwise, **please respond** indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

Borwig, Blake P (EEC)

From: William.Kenny@epa.ohio.gov
Sent: Thursday, February 27, 2025 2:35 PM
To: Nallaballi, Neena; Borwig, Blake P (EEC); Jarvis, Simone; Andy Reser; aramirez@mvrpc.org; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank; Blackburn, Dane D (KYTC-D06); Myers, Dianna; Gina Douthat (gdouthat@tankbus.org); LaRocca, Sarah; Mary Huller; Mitchell, Jay; Nathaniel.Brugler@dot.ohio.gov; Randy.Lane@dot.ohio.gov; Witt, Thomas W (KYTC); Maietta, Anthony; Vail, Nick (FHWA); Carpenter, Patrick (FHWA); Leslie, Michael; Sam Wallace; Spencer.Smith@dot.ohio.gov; Cales, Michael; Jocelyn Hoffman; Oyler, Claire (EEC); Graham.Johnson@epa.ohio.gov; k.carmanygeorge@dot.gov; Harrod, Justin D (KYTC); Balaji, Jayalakshmi J (KYTC); Korostina, Dasha A (KYTC); Gotvald, Sunday; sseals@idem.in.gov; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN Jobe, Cassandra L (EEC)
Cc:
Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Hello,
Ohio EPA concurs as well.



William Kenny

Manager, Air Quality Evaluation & Planning
Ohio EPA, Division of Air Pollution Control
614-644-2039

From: Nallaballi, Neena <Nallaballi.Neena@epa.gov>
Sent: Wednesday, February 26, 2025 1:16 PM
To: blake.borwig@ky.gov; Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; aramirez@mvrpc.org; Hill, Anthony <ANTHONY.HILL@dot.ohio.gov>; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Brugler, Nathaniel <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <Randy.Lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Smith, Spencer <Spencer.Smith@dot.ohio.gov>; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Johnson, Graham <Graham.Johnson@epa.ohio.gov>;

Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>; sseals@idem.in.gov; Van Vlerah, Jennifer <Jennifer.VanVlerah@epa.ohio.gov>; Sheets, Alec <Alec.Sheets@epa.ohio.gov>; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Cassandra.Job_e_ky.gov <Cassandra.Job_e@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good afternoon,

EPA R5 concurs with the 15% safety margin applied to the proposed 2037 Motor vehicle emission budgets.

Neena Nallaballi
Control Strategies Section
EPA Region-5
Nallaballi.Neena@epa.gov
312-353-1770

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 25, 2025 11:01 AM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>; sseals@idem.in.gov; Jennifer VanVlerah <Jennifer.VanVlerah@epa.ohio.gov>; Sheets, Alec <Alec.Sheets@epa.ohio.gov>; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Cassandra.Job_e_ky.gov <Cassandra.Job_e@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hi all,

Thank you to everyone who attended the IAC discussion yesterday.

To recap: During the discussion, it was suggested that VMT information be moved to a separate table within our second maintenance plan. We've made this change to clarify that there are no budgets for VMT. We are only proposing NO_x and VOC budgets, which include a 15% safety margin. The proposed budgets are shown in the table below.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NO_x (TSD)	1.99	0.30	2.29

Please respond indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Thursday, February 20, 2025 12:10 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Hi all,

Just providing an update that the Division has sent out a meeting invite for Monday February 24th at 3 pm (EST) to discuss the proposed KY motor vehicle emissions budgets. The meeting will be recorded for documentation of the IAC process to be included in our SIP submittal.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Wednesday, February 19, 2025 9:58 AM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org> <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <sseals@idem.in.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning all,

The Division is organizing a meeting to accommodate EPA Region 4's request to have a discussion about the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN maintenance area. Please complete the following Doodle Poll and I'll schedule the meeting at a time that works best for everyone.

<https://doodle.com/group-poll/participate/bo81jRBd>

Thanks in advance for your timely response to the poll above.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Jarvis, Simone <Jarvis.Simone@epa.gov>

Sent: Wednesday, February 19, 2025 8:35 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>); LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (<Nathaniel.Brugler@dot.ohio.gov>); Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; <daniel.forbush@dot.gov>; <k.carmanygeorge@dot.gov>; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Job@ky.gov>; Gotvald, Sunday <Gotvald.Sunday@epa.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Following up to actually cc Sunday (whoops!)

Thanks,
Simone

Life Scientist
US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Jarvis, Simone

Sent: Wednesday, February 19, 2025 8:08 AM

To: Borwig, Blake P (EEC) <blake.borwig@ky.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (<gdouthat@tankbus.org>)

<gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning Blake,

A quick call to discuss would be helpful. Also, could you please include Sunday Gotvald (cc'ed here) on correspondence going forward?

Thank you!

Simone Jarvis

Life Scientist

US EPA Region 4 | Air & Radiation Division

Air Regulatory Management Section

Phone: 404-562-8393

E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 18, 2025 2:23 PM

To: Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; Jarvis, Simone <Jarvis.Simone@epa.gov>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>

Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hello everyone,

The Kentucky Division for Air Quality (the Division) is beginning the interagency consultation process for the 2008 ozone NAAQS second 10-year maintenance plan for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area.

In August of 2024, the Ohio-Kentucky-Indiana Regional Council of Governments (OKI) completed MOVES modeling that resulted in the development of onroad mobile source emissions for the 2008 ozone NAAQS second 10-year maintenance plan for the Ohio, Kentucky, and Indiana portions of the Cincinnati-Hamilton, OH-KY-IN area. The August 7, 2024, OKI TSD is attached for your review.

Ohio EPA has already finalized the motor vehicle emissions budgets for the Ohio portion of the area. The Indiana Department of Environmental Management (IDEM) is in the process of finalizing the motor vehicle emissions budgets for the Indiana portion of the area.

The Division is requesting concurrence with the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the area (which are included in the table below). Please note that 2037 is the maintenance year for the area and is the only year that requires budgets. The Division chose to accommodate a 15% safety margin for the proposed budgets.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NOX (TSD)	1.99	0.30	2.29
VMT (miles/day)	11,683,003	1,752,450	13,435,453

If you would like to have a call regarding this, please let me know by Friday, February 21st. Otherwise, **please respond** indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



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Borwig, Blake P (EEC)

From: Mitchell, Jay <JAYMITCHELL@indot.IN.gov>
Sent: Tuesday, February 25, 2025 4:07 PM
To: Borwig, Blake P (EEC); Jarvis, Simone; Andy Reser; Ana Ramirez; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank; Blackburn, Dane D (KYTC-D06); Myers, Dianna; Gina Douthat (gdouthat@tankbus.org); LaRocca, Sarah; Mary Huller; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov); Lane, Randy; Witt, Thomas W (KYTC); Maietta, Anthony; Vail, Nick (FHWA); Carpenter, Patrick (FHWA); Leslie, Michael; Sam Wallace; Spencer.Smith@dot.ohio.gov; Cales, Michael; Jocelyn Hoffman; Oyler, Claire (EEC); Graham Johnson; Kenny, William; Carmany-George, Karstin (FHWA); Nallaballi, Neena; Harrod, Justin D (KYTC); Balaji, Jayalakshmi J (KYTC); Korostina, Dasha A (KYTC); Gotvald, Sunday (she/her/hers); SEALS, SHAWN; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN
Cc: Jobe, Cassandra L (EEC)
Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

This Message Originated from Outside the Organization

This Message Is From an External Sender.

Report Suspicious

Good afternoon:

INDOT concurs with the 15% safety margin.

Jay Mitchell, Supervisor
Technical Planning Section
Indiana Department of Transportation
E-mail: jaymitchell@indot.in.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>
Sent: Tuesday, February 25, 2025 12:01 PM
To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; Oyler, Claire (EEC) <claire.oyler@ky.gov>; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; Carmany-George, Karstin (FHWA) <k.carmanygeorge@dot.gov>; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <justin.harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC) <Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>; Gotvald, Sunday (she/her/hers) <Gotvald.Sunday@epa.gov>; SEALS, SHAWN <SSEALS@idem.IN.gov>; Jennifer.VanVlerah@epa.ohio.gov; Alec.Sheets@epa.ohio.gov; CALLAHAN, BRIAN <BCALLAHA@idem.IN.gov>

Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobe@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

EXTERNAL EMAIL: This email was sent from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi all,

Thank you to everyone who attended the IAC discussion yesterday.

To recap: During the discussion, it was suggested that VMT information be moved to a separate table within our second maintenance plan. We've made this change to clarify that there are no budgets for VMT. We are only proposing NO_x and VOC budgets, which include a 15% safety margin. The proposed budgets are shown in the table below.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NO _x (TSD)	1.99	0.30	2.29

Please respond indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



Please consider the environment before printing this e-mail.

From: Borwig, Blake P (EEC)

Sent: Thursday, February 20, 2025 12:10 PM

To: Jarvis, Simone <Jarvis.Simone@epa.gov>; Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat (gdouthat@tankbus.org) <gdouthat@tankbus.org>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler (Nathaniel.Brugler@dot.ohio.gov) <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn

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Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobes@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Hi all,

Just providing an update that the Division has sent out a meeting invite for Monday February 24th at 3 pm (EST) to discuss the proposed KY motor vehicle emissions budgets. The meeting will be recorded for documentation of the IAC process to be included in our SIP submittal.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



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Sent: Wednesday, February 19, 2025 9:58 AM

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Cc: Jobe, Cassandra L (EEC) <Cassandra.Jobes@ky.gov>

Subject: RE: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Good morning all,

The Division is organizing a meeting to accommodate EPA Region 4's request to have a discussion about the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN maintenance area. Please complete the following Doodle Poll and I'll schedule the meeting at a time that works best for everyone.

<https://doodle.com/group-poll/participate/bo81jRBd>

Thanks in advance for your timely response to the poll above.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



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Following up to actually cc Sunday (whoops!)

Thanks,
Simone

Life Scientist

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Phone: 404-562-8393
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Cc: Cassandra.Jobe_ky.gov <Cassandra.Jobe@ky.gov>

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Good morning Blake,

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Thank you!

Simone Jarvis

Life Scientist

US EPA Region 4 | Air & Radiation Division
Air Regulatory Management Section
Phone: 404-562-8393
E-mail: jarvis.simone@epa.gov

From: Borwig, Blake P (EEC) <blake.borwig@ky.gov>

Sent: Tuesday, February 18, 2025 2:23 PM

To: Andy Reser <areser@oki.org>; Ana Ramirez <aramirez@mvrpc.org>; ANTHONY.HILL@dot.ohio.gov; Baukert, Frank <FBAUKERT@indot.IN.gov>; Blackburn, Dane D (KYTC-D06) <Dane.Blackburn@ky.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Gina Douthat <gdouthat@tankbus.org> <gdouthat@tankbus.org>; Jarvis, Simone <Jarvis.Simone@epa.gov>; LaRocca, Sarah <Larocca.Sarah@epa.gov>; Mary Huller <MHuller@go-metro.com>; Mitchell, Jay <JAYMITCHELL@indot.IN.gov>; Nate Brugler <Nathaniel.Brugler@dot.ohio.gov> <Nathaniel.Brugler@dot.ohio.gov>; Lane, Randy <randy.lane@dot.ohio.gov>; Witt, Thomas W (KYTC) <Thomas.Witt@ky.gov>; Maietta, Anthony <maietta.anthony@epa.gov>; Vail, Nick (FHWA) <nick.vail@dot.gov>; Carpenter, Patrick (FHWA) <patrick.carpenter@dot.gov>; Leslie, Michael <leslie.michael@epa.gov>; Sam Wallace <samuel.wallace@dot.gov>; Andrea.Henderson@dot.ohio.gov; Spencer.Smith@dot.ohio.gov; Cales, Michael <MCALES@indot.IN.gov>; Jocelyn Hoffman <jocelyn.johnson@dot.gov>; claire.oyler@ky.gov; Graham Johnson <graham.johnson@epa.ohio.gov>; Kenny, William <William.Kenny@epa.ohio.gov>; daniel.forbush@dot.gov; k.carmanygeorge@dot.gov; Nallaballi, Neena <Nallaballi.Neena@epa.gov>; Harrod, Justin D (KYTC) <Justin.Harrod@ky.gov>; Balaji, Jayalakshmi J (KYTC)

<Jayalakshmi.Balaji@ky.gov>; Korostina, Dasha A (KYTC) <dasha.korostina@ky.gov>

Cc: Cassandra.Jobey@ky.gov <Cassandra.Jobey@ky.gov>

Subject: IAC Regarding KY Motor Vehicle Emissions Budgets for the 2008 Ozone NAAQS Second 10-Year Maintenance Plan for the KY Portion of the Cincinnati-Hamilton, OH-KY-IN Area

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hello everyone,

The Kentucky Division for Air Quality (the Division) is beginning the interagency consultation process for the 2008 ozone NAAQS second 10-year maintenance plan for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area.

In August of 2024, the Ohio-Kentucky-Indiana Regional Council of Governments (OKI) completed MOVES modeling that resulted in the development of onroad mobile source emissions for the 2008 ozone NAAQS second 10-year maintenance plan for the Ohio, Kentucky, and Indiana portions of the Cincinnati-Hamilton, OH-KY-IN area. The August 7, 2024, OKI TSD is attached for your review.

Ohio EPA has already finalized the motor vehicle emissions budgets for the Ohio portion of the area. The Indiana Department of Environmental Management (IDEM) is in the process of finalizing the motor vehicle emissions budgets for the Indiana portion of the area.

The Division is requesting concurrence with the proposed 2037 motor vehicle emissions budgets for the Kentucky portion of the area (which are included in the table below). Please note that 2037 is the maintenance year for the area and is the only year that requires budgets. The Division chose to accommodate a 15% safety margin for the proposed budgets.

Motor Vehicle Emissions Budgets for the Kentucky Portion of the Cincinnati-Hamilton, OH-KY-IN Area

	2037 Maintenance Year Projections	2037 Safety Margin Allocation	2037 Motor Vehicle Emissions Budget
VOC (TSD)	1.90	0.29	2.19
NOX (TSD)	1.99	0.30	2.29
VMT (miles/day)	11,683,003	1,752,450	13,435,453

If you would like to have a call regarding this, please let me know by Friday, February 21st. Otherwise, **please respond** indicating if you concur with the proposed budgets for the Kentucky portion of the area by Friday, February 28th.

The Division would like to include all the necessary parties for this interagency consultation process. If you are aware of anyone that should be included in this interagency consultation that is not on this email, please let me know as soon as possible.

Best regards,

Blake Borwig

Environmental Scientist III

Evaluation Section, Kentucky Division for Air Quality

Kentucky Energy and Environment Cabinet

Office: (502)782-2751 | blake.borwig@ky.gov



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Appendix E – Public Notice

**KENTUCKY DIVISION FOR AIR QUALITY
PUBLIC NOTICE FOR THE 2008 8-HOUR OZONE NATIONAL AMBIENT AIR
QUALITY STANDARD SECOND 10-YEAR MAINTENANCE PLAN FOR THE
KENTUCKY COUNTIES IN THE CINCINNATI-HAMILTON, OH-KY-IN
MAINTENANCE AREA**

The Kentucky Division for Air Quality (Division) is requesting EPA's approval that the proposed State Implementation Plan (SIP) revision satisfies the 2008 8-hour ozone National Ambient Air Quality Standards (NAAQS) second 10-year maintenance plan requirements for the Kentucky portion of the Cincinnati-Hamilton, OH-KY-IN area (Area). The draft SIP revision includes a projected maintenance year emissions inventory, maintenance demonstration, monitoring network description, verification of continued attainment and a contingency plan. The draft SIP shows that the Kentucky portion of the Area has maintained attainment for the 2008 8-hour ozone NAAQS and will continue to do so through the second maintenance period, i.e. 2037.

In accordance with 40 CFR 51.102, the Division is making this proposed plan available for public inspection and provides the opportunity for public comment concerning Kentucky's second 10-year maintenance plan for the Kentucky portion of the Area. The proposed plan can be found at <https://eec.ky.gov/Environmental-Protection/Air/Pages/Public-Notices.aspx>. The public comment period will be open from April 15, 2025, through May 22, 2025. Comments should be sent to the contact person, via email or written mail, and must be received by May 22, 2025, to be considered part of the public record.

The Division will conduct a virtual public hearing on May 22, 2025, at 10:00 a.m. (Eastern Time). This hearing will be held to receive comments on the proposed SIP revision. This hearing is open to the public and all interested persons will be given the opportunity to present testimony. To assure that all comments are accurately recorded, the Division requests that oral comments presented at the hearing are also provided in written form, if possible. It is not necessary that the hearing be held or attended in order for persons to comment on the proposed administrative regulation. If no request for a public hearing is received by May 15, 2025, the hearing will be cancelled, and notice of the cancellation will be posted at <https://eec.ky.gov/Environmental-Protection/Air/Pages/Public-Notices.aspx>.

Please note that registration is required to participate in this hearing. You must either email your name and mailing address to claire.oyler@ky.gov or mail this information to Claire Oyler, Division for Air Quality, 300 Sower Blvd., 2nd Floor, Frankfort, KY 40601. Please put "Registration for the Cincinnati-Hamilton, OH-KY-IN area second maintenance plan public hearing" as the subject line, and state in the body of the message if you plan to speak during the hearing.

CONTACT PERSON: Claire Oyler, Evaluation Section, Division for Air Quality, 300 Sower Boulevard, Frankfort, Kentucky 40601. Phone: (502) 782-3930
Email: claire.oyler@ky.gov

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