

EJMAP Update Notice

Effective 7/31/2023 to 1/30/2024

As part of the adoption of its Environmental Justice regulations, the New Jersey Department of Environmental Protection (NJDEP) committed to update data within the Environmental Justice Mapping, Assessment, and Protection (EJMAP) tool twice annually on a set schedule to ensure accuracy and transparency: January and July 31st of each year. Accordingly, NJDEP updated the EJMAP tool new stressor data effective 7/31/23. This revised stressor layer now acts as the default for permit applications received on or after 7/31/23. However, the previous stressor layer (4/11/23 – 7/30/23) is still hosted in the tool as an “archived” layer for permit applications already in process. Stressor data updates do not impact Overburdened Community (OBC) or Adjacent Block Group (ABG) designations. These locations and boundaries remain current to the 2021 U.S. American Community Survey (ACS) 5-Year dataset presented in EJMAP. However, whether an OBC or ABG is considered subject to adverse cumulative stressor does change with the new stressor data.

The NJDEP updated several datasets grouped into two categories: data that undergoes regular updates (e.g., daily, monthly) in NJDEP databases but is captured as a “snapshot in time” in EJMAP, and data publicly released annually or on a less frequent basis. While the former data category is automated; the latter is manual (e.g., data generated for reports). Those datasets updated in this release are listed below under their respective category. Table 1 provides a more detailed explanation of each updated dataset. For more information about the stressors in EJMAP, please see [the EJMAP Technical Guidance document](#).

Updated “snapshots” in time:

1. Known Contaminated Sites
2. Soil Contamination Deed Restrictions
3. Ground Water Classification Exception Area/Currently Known Extent Restrictions
4. Lack of Recreational Open Space
5. Permitted Air Sites
6. New Jersey Pollution Discharge Elimination System (NJPDES) Sites

Annual or Less Frequent Updates:

1. Cancer Risk from Diesel Particulate Matter
2. Cancer Risk from Air Toxics Excluding Diesel Particulate Matter
3. Non-Cancer Risk from Air Toxics
4. Traffic – Cars, Light- and Medium-Duty Trucks
5. Traffic – Heavy-Duty Trucks
6. Drinking Water (count of public drinking water violations or exceedances)
7. Potential Lead Exposure
8. Lack of Tree Canopy
9. Unemployment
10. Education

The NJDEP will utilize the revised stressor layer, “EJ Combined Stressor Summary OBCs and ABGs (effective 07/31/23 to 01/30/24),” to evaluate relevant permits that come into the NJDEP on or after 7/31/23. Permits already in process prior to this date will continue to be evaluated based on archived stressor data. The stressor layer for these permits will be labeled “EJ Combined Stressor Summary OBCs and ABGs (effective 04/11/23 to 07/30/23)” in EJMAP.

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For questions, please contact the following:

EJMAP Data or Tool Functionality – ejmapfeedback@dep.nj.gov

EJ-Related Permit Status or applicability – david.pepe@dep.nj.gov

General Environmental Justice – environmentaljustice@dep.nj.gov

Table 1: Updated Stressor Data

Category	Stressor	Date of Data	Source
Concentrated Areas of Air Pollution	Cancer Risk from Diesel Particulate Matter (estimated cancer risk/million)	2019	NJ state AirToxScreen summary file
Concentrated Areas of Air Pollution	Cancer Risk from Air Toxics Excluding Diesel Particulate Matter (estimated cancer risk/million)	2019	NJ state AirToxScreen summary file
Concentrated Areas of Air Pollution	Non-Cancer Risk from Air Toxics (Combined Hazard Quotient)	2019	NJ state AirToxScreen summary file
Mobile Sources of Air Pollution	Traffic – Cars, Light- and Medium-Duty Trucks (Annual Average Daily Traffic (AADT)-mile/square mile)	2021	FHWA ¹ HPMS ²
Mobile Sources of Air Pollution	Traffic – Heavy-Duty Trucks (AADT-mile/square mile)	2021	FHWA ¹ HPMS ²
Contaminated Sites	Known Contaminated Sites (weighted sites/square mile)	6/13/2023	Known Contaminated Site List (KCSL) data
Contaminated Sites	Soil Contamination Deed Restrictions (percent area)	6/27/2023	NJDEP Deed Notice Extent in New Jersey data
Contaminated Sites	Ground Water Classification Exception Area (CEA) /Currently Known Extent Restrictions (CKE) (percent area)	6/27/2023	NJDEP CEA and CKE data
May Cause Potential Public Health Impacts	Drinking Water (count of public drinking water violations or exceedances)	2022	Annual Compliance Report On Public Water Systems
May Cause Potential Public Health Impacts	Potential Lead Exposure (percent houses older than 1950)	2021	2021 5-Year ACS
May Cause Potential Public Health Impacts	Lack of Recreational Open Space (population/acre of open space within 0.25 mile)	6/27/2023	NJDEP State, Local and Nonprofit Open Space of New Jersey data
May Cause Potential Public Health Impacts	Lack of Tree Canopy (percent lack of tree canopy)	2021	USFS ³ Analytical Tree Canopy Cover data
Density/Proximity Stressors	Permitted Air Sites (sites/square mile)	6/27/2023	NJDEP Facility Data
Density/Proximity Stressors	NJPDES Sites (sites/square mile)	6/27/2023	NJDEP Facility Data
Social Determinants of Health	Unemployment (percent unemployed)	2021	2021 5-Year ACS
Social Determinants of Health	Education (percent without high school diploma)	2021	2021 5-Year ACS

¹U.S. Department of Transportation, Federal Highway Administration

²Highway Performance Monitoring System

³United States Forest Service