

Public Involvement Plan

for

**PNM PERSON GENERATING STATION
BERNALILLO COUNTY, NEW MEXICO
EPA ID# NMT360010342**

Class 3 Permit Modification – Termination of Post-Closure Care

Prepared by:

Hazardous Waste Bureau
New Mexico Environment Department
Santa Fe, New Mexico
May 2018

I. Public Involvement Plan Overview

The New Mexico Environment Department (NMED), Hazardous Waste Bureau (Bureau or HWB) developed this Public Involvement Plan (PIP) for an application by PNM Person Generating Station for a Class 3 permit modification to terminate post-closure care under the federal Resource Conservation and Recovery Act (RCRA) and the New Mexico Hazardous Waste Act (HWA). This action also completes post closure care.

PNM is located at 725 Electric Avenue SE, Albuquerque, New Mexico. It sits in the South Valley CDP, the West Region of Bernalillo County, New Mexico. PNM occupies approximately a 22-acre site. Post-closure care consisted of soil vapor extraction and groundwater extraction and treatment to remediate volatile organic compound (VOC) contamination. The remediation system at PNM has been in operation for over twenty years. The Facility implemented post-closure care for soil and groundwater contamination in 1988. Remediation for post closure care consisted of capping and lining the unlined well, removal of soil contaminants, and cleanup of the entire soil column and surface soils. The current groundwater remediation system consists of a groundwater monitoring well network, an extraction well network, and a groundwater extraction and treatment system to remediate contaminated groundwater.

The purpose of this PIP is to plan for providing public participation opportunities and information regarding the requested permit modification as required by statute or regulation, and also as the Bureau determines is needed to facilitate participation by the affected community.

This PIP integrates information about the community and identifies resources needed by the Bureau to successfully incorporate community participation activities into the RCRA decision-making process. The PIP identifies the NMED staff and resources needed to accomplish these activities.

Both the RCRA regulations at 40 CFR 270.42 and the New Mexico Hazardous Waste Management Regulations (HWMR) at 20.4.1.900 and 901 NMAC require public participation as part of the process for a Class 3 permit modification. The Bureau will meet the public participation requirements for the permit modification process at PNM by adhering to this PIP, which includes all the applicable policy, regulatory and statutory public participation requirements.

In developing this PIP, community participation needs at the site were assessed to ensure appropriate promotion of public outreach by identifying whether there is a combination of environmental and demographic factors (e.g., low income, minority, limited English proficiency, linguistically isolated households) that may affect public participation actions. This assessment identifies community outreach needs based on the type of activity and potential effects to the surrounding community, and addresses the provision of public access to information about the cleanup process.

To the extent possible, public participation and informational activities related to implementation of this PIP will be held within the timelines outlined below. Public notice activities are subject to statutory or regulatory deadlines.

Draft documents issued for public comment will generally be made available for a 60-day period to allow for formal public review and comments and there will be a 30-day notice for the public informational meetings, if scheduled. Based on the demographics of the area, the Bureau will provide pertinent information in both English and Spanish in public notices, public informational meeting notices, and other announcements (e.g., radio broadcasts, newspaper notices, mailings.).

If public informational meetings are held, the Bureau will make arrangements for simultaneous Spanish interpretation during the informational meetings, and, to the extent practicable, make arrangements for translating to languages other than Spanish, if applicable, and also for obtaining services for persons with disabilities.

This PIP was developed by the Hazardous Waste Bureau and may be amended to address specific actions at PNM and after considering public comments and feedback. The Bureau will make the final approval of the PIP and amendments.

II. Contacts

The Bureau contact for this permit modification request is:

Dave Cobrain, Program Manager
Hazardous Waste Bureau
Rodeo Park Drive East, Building 1
Santa Fe, 87505

Phone: (505) 476-6000
Fax: (505) 476-6030
Email: dave.cobrain@state.nm.us

Hazardous Waste Bureau actions issued for public comment will include specific instructions for submitting comments related to the permit modification request.

III. Assistance for Non-English Language Speakers and Persons with Disabilities

The Bureau will include information about how persons may request non-English speaker language assistance and accommodations for persons with disabilities (e.g., deaf and/or non-English language interpreters) in public notices and notices for informational meetings or hearings, if held, related to the permit modification request. Public notices will direct public requests for assistance to the Bureau contact, who will notify the Department's Non-Discrimination Coordinator. Arrangements will be made by the Bureau for document translation, interpretation, or disability services related to the activity or proceeding, as necessary. The following information will be provided in public notices so that hearing-impaired callers and persons with a disability can contact the Bureau and ask questions about the activity or proceeding:

Toll-free numbers are available for TDD or TDY users to access the New Mexico Relay Network at 1-800-659-1779 (voice); TTY users: 1-800-659-8331. HWB public notices will include Bureau contact information for persons with a disability who require assistance or auxiliary aid to participate in this process.

IV. Department Websites

Public notices and outreach materials will include links to the following websites:

New Mexico Environment Department - www.env.nm.gov
Hazardous Waste Bureau - www.env.nm.gov/hazardous-waste

V. Regulatory Background for Public Participation

The Resource Conservation and Recovery Act regulations at 40 CFR 270.42 requires the public to be notified regarding permit applications, permit modifications and the issuance of draft permits. Both the applicant and the regulatory agency have public notification responsibilities based on the type of proposed action. The Bureau is required to issue public notices for Class 3 permit modifications and the issuance of draft permits in accordance with 40 CFR 270 and the New Mexico Hazardous Waste Management Regulations in accordance with 20.4.1.900, 901 and 1102 NMAC. The HWMR require that public notice of issuance of a draft permit or a notice of intent to deny, and of any public hearing scheduled, “shall be given by publication of a notice in a newspaper of general circulation in the area affected, broadcasts over local radio stations and by mailing a copy of the notice to the permit applicant, those individuals on the department mailing list of persons interested in hazardous waste permit actions, and to any unit of local, state and federal government as may be applicable” as specified by 20.4.1.901.C(3). The Bureau public notice activities for this action are described in Section X below.

VI. EJSCREEN Summary

To assess the need to specifically reach and inform Limited English Proficient (LEP) community populations to encourage public participation, two search criteria were utilized (EJSCREEN and American Fact Finder). The first tool, Environmental Justice mapping and screening (EJSCREEN), was developed by the U.S. Environmental Protection Agency (EPA). EJSCREEN provides up to 11 environmental indexes and six demographic indexes. Through EJSCREEN, demographic data is available for 2011-2015 via the American Community Survey (ACS), the 2010 U.S. Census, and the 2000 U.S. Census.

To meet the search criteria specified in NMED policy 07-13, preliminary screening was conducted using EPA's EJSCREEN tool to generate reports from the American Community Survey (ACS) using a one- and four- mile radius from the Facility. This report, which is included as Appendix A to this PIP, indicated that there are 562 households within a one-mile radius (24,368 household for four-miles) from the facility (considered the affected community) and the per capita income households for the population within a one-mile radius was \$15,968 (21,041 within a four- mile radius). The percent of minority population within a one-mile radius of the Facility was 89% (76% for four-miles) and the percent of population by race within a one-mile radius was 11% white (24% within a four-mile radius). Within a one-mile radius, 65% of the population listed as white is Hispanic, (64% within a four-mile radius), 2% were listed as black (2% within a four-mile radius), 1% American Indian (2% within four-miles), 0% Asian (1% within four-miles), and 31% were listed as Other (25% within a four-mile radius). The percentage of linguistically isolated households within a one-mile radius from the Facility was 20% (10% within a four-mile radius). The portion of households who spoke Spanish was 100% within one-mile of the Facility (93% within four-miles). No households were listed as speaking other Indo-European languages for both a one and a four- mile radius from the Facility. The

percentage of the population who were age 5+ who spoke only English or were able to speak English very well was 40% within a one-mile radius of the Facility (32% within a four-mile radius). These results indicate that for the affected community, the percentage of persons who speak English less than very well is considerably more than the state (10%) or national averages (8.7%) based on 2010 U.S. census data.

The second tool, American Fact Finder, was developed by the United States Census Bureau. The tool presents language data from the ACS for languages spoken at home. This tool was chosen to supplement search criteria to be thorough in our efforts to reach LEP communities. While there were differences in the data when compared to EJSCREEN, the percentages related to limited English proficiency and demographic distribution generally corroborated the EJSCREEN data.

Based on the EJSCREEN and American Fact Finder results, along with the history of public involvement at the site and the site background, the Bureau has determined that public notice documents should provide basic information concerning public involvement opportunities in both English and Spanish. This information will include how to request materials in Spanish or to speak with Hazardous Waste Bureau staff through an interpreter.

VII. Public Participation Activities

The Bureau will conduct the following public participation and outreach activities associated with this permit modification process:

- Postal mailings
- Radio announcements
- Newspaper publications

VIII. Postal Mailing or E-Mailing of Notices to Persons on the Facility-Specific Mailing List

The Hazardous Waste Bureau maintains a facility mailing list for PNM that includes individuals and local, state and federal government and tribal agencies interested in RCRA-related facility activities. The Bureau maintains contact information which is updated or supplemented, if additional information becomes available. Individuals, organizations, and other interested parties are added to the list as requested. If the Bureau receives returned mail subsequent to issuance of a public notice indicating the recipient is no longer at the listed address, the name may be removed from a facility mailing list.

IX. Notices in the State Newspaper and Local Newspapers

Public notices that are required to be published in state and local newspapers will be published in English and Spanish in the Albuquerque Journal (state wide circulation). There is no local Spanish Language newspaper in Albuquerque.

Albuquerque Journal:
<https://www.abqjournal.com/>

X. Public Notices

Public notices are issued for public comment periods related to the issuance of 1) draft permits,

including major permit modifications, 2) public informational meetings, and 3) selected other public notifications. Public notices are mailed to persons included on the facility mailing list, published in the Albuquerque Journal, broadcast as public service announcements on radio, and posted on the Hazardous Waste Bureau website. The notifications will be issued in Spanish and English. These notices will provide general information about the draft permit or permit modification, contact information for submitting comments or requesting a public hearing, and, if held, the time and location of public informational meetings.

XI. Factsheets

The Hazardous Waste Bureau will develop a fact sheet to accompany the Class 3 permit modification, as required by 20.4.1.901.A(2). Fact sheets provide information regarding public participation, a description of the facility, a description of the proposed permit action and next steps in the process. Copies of a fact sheet will be sent to any person upon request in accordance with 20.4.1.901.A(2). Fact sheets also will be made available for viewing at the Hazardous Waste Bureau and on the Bureau website and at other locations as specified in Section XV below.

XII. Public Comment Periods

The Hazardous Waste Bureau is required to provide a minimum of 45 days for public review and comment on a draft Class 3 permit modification in accordance with 20.4.1.901.A(3). The Bureau generally provides a 60-day comment for major permit actions to allow the public an opportunity to comment on Class 3 permit modifications. The Hazardous Waste Bureau may extend the public comment period, if a request is received during the public comment period to extend the comment period based on significant interest. The Hazardous Waste Bureau will provide public notice of any extension to a public comment period as described in Section X above.

XIII. Public Information Meetings

The Facility is located in an industrial area and is no longer in operation. The affected subsurface soils have been remediated. Groundwater beneath the site flows toward the east toward Interstate Highway 25 and undeveloped land that is part of Kirtland Air Force Base. The closest residential area near the site is located southwest of the Facility. Ground water beneath the residential developments in the vicinity of the site was not affected by historic releases of contaminants at the Facility. Groundwater contamination resulting from site activities has been remediated to levels less than the state and federal cleanup standards established in the PNM RCRA post-closure permit. The site cleanup levels meet the risk-based requirements for residential (unrestricted) land use. The site is not accessible to the public; therefore, contact with the public regarding corrective action activities at PNM Person Station is infrequent since there is no potential for exposure to residual contamination. Since the extent of releases at these sites only involved soil and groundwater contamination that has either been remediated or determined to be present at concentrations less than established risk-based cleanup levels, there is no longer a potential for off-site migration. The corrective action complete determination to terminate post-closure care acknowledges that the Facility has adequately addressed historic releases of contaminants to the environment and has met the human health and ecological cleanup standards established by the HWB for facilities regulated by RCRA and the New Mexico Hazardous Waste Act.

Because the contact with the public, and therefore members of the public with limited English proficiency, is infrequent and the site does not pose a risk to human health or the environment, the

Bureau does not plan to hold a public informational meeting to provide information regarding this Permit modification, and will publish the public notice for this action in accordance with 20.4.1.900 and 901 NMAC and as described in Section X above.

XIV. Other Outreach

In addition to the public notice procedures described in Section X above, notices in the form of flyers announcing public comment periods and informational meetings, if held, may be posted in locations throughout the community (e.g., local businesses, schools, libraries). All notices will be posted on the NMED Hazardous Waste Bureau website. Depending on the cost and a radio station's public service broadcast availability, the Bureau may use commercial radio announcements or informational broadcasts in both Spanish and English.

Because the contact with the public, and therefore members of the public with limited English proficiency, is infrequent and the sites do not pose a risk to human health or the environment, the Bureau does not plan to provide additional public outreach for this permit action.

XV. Site Repositories

During public comment periods, in addition to information being posted on the Hazardous Waste Bureau website, copies of relevant documents will be accessible in print or on-line at the following locations:

NMED Hazardous Waste Bureau
Rodeo Park Drive East, Building 1
Santa Fe, NM 87505
505-476-6000

South Valley Library
3904 Isleta Boulevard SE
Albuquerque, NM 87105
505-877-5170

XVI. Responses to Comments

The Hazardous Waste Bureau must ensure that the approved final permits are consistent with the New Mexico Hazardous Waste Management Regulations and the Hazardous Waste Act. All written comments submitted on the draft Class 3 permit modification will become part of the administrative record, will be considered in formulating a final decision, and may cause the draft permit modification to be modified. The Hazardous Waste Bureau will respond in writing to all significant public comment. The response will specify which provisions, if any, of the draft permit modification have been changed in the final permit decision, and the reasons for the change. This response will also be posted on the Bureau's website and the Bureau will notify all persons who have provided written comments.

After consideration of all written public comments received, the Bureau will issue, or modify and issue, the permit modification. If the Bureau modifies and issues the permit modification, the Permittee shall be provided by mail a copy of the modified permit modification and a detailed written statement of reasons for the modifications. The NMED Secretary will make the final permit modification decision publicly available. The Secretary's decision shall constitute a final agency decision and may be appealed as provided by the Hazardous Waste Act. All persons that provided written comments, or who requested notification in writing, will be notified of the final decision by mail.

ATTACHMENT A

Location: User-specified point center at 35.025975, -106.642811

Ring (buffer): 1-mile radius

Description:

Summary of ACS Estimates		2011 - 2015	
Population		1,905	
Population Density (per sq. mile)		590	
Minority Population		1,692	
% Minority		89%	
Households		562	
Housing Units		651	
Housing Units Built Before 1950		10	
Per Capita Income		15,968	
Land Area (sq. miles) (Source: SF1)		3.23	
% Land Area		99%	
Water Area (sq. miles) (Source: SF1)		0.03	
% Water Area		1%	
		2011 - 2015 ACS Estimates	Percent MOE (±)
Population by Race			
Total		1,905	100% 498
Population Reporting One Race		1,885	99% 1,403
White		1,237	65% 534
Black		31	2% 117
American Indian		26	1% 281
Asian		9	0% 86
Pacific Islander		0	0% 11
Some Other Race		582	31% 374
Population Reporting Two or More Races		19	1% 146
Total Hispanic Population		1,651	87% 494
Total Non-Hispanic Population		253	
White Alone		212	11% 208
Black Alone		31	2% 117
American Indian Alone		1	0% 257
Non-Hispanic Asian Alone		9	0% 86
Pacific Islander Alone		0	0% 11
Other Race Alone		0	0% 101
Two or More Races Alone		0	0% 84
Population by Sex			
Male		985	52% 340
Female		919	48% 300
Population by Age			
Age 0-4		128	7% 95
Age 0-17		541	28% 245
Age 18+		1,364	72% 406
Age 65+		257	13% 144

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available.

Source: U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

Location: User-specified point center at 35.025975, -106.642811

Ring (buffer): 1-mile radius

Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	1,220	100%	324
Less than 9th Grade	391	32%	165
9th - 12th Grade, No Diploma	223	18%	128
High School Graduate	353	29%	137
Some College, No Degree	180	15%	158
Associate Degree	77	6%	81
Bachelor's Degree or more	74	6%	176
Population Age 5+ Years by Ability to Speak English			
Total	1,777	100%	487
Speak only English	477	27%	343
Non-English at Home ¹⁺²⁺³⁺⁴	1,300	73%	371
¹ Speak English "very well"	712	40%	315
² Speak English "well"	76	4%	108
³ Speak English "not well"	205	12%	130
⁴ Speak English "not at all"	308	17%	223
³⁺⁴ Speak English "less than well"	513	29%	257
²⁺³⁺⁴ Speak English "less than very well"	589	33%	269
Linguistically Isolated Households*			
Total	115	100%	88
Speak Spanish	115	100%	87
Speak Other Indo-European Languages	0	0%	11
Speak Asian-Pacific Island Languages	0	0%	19
Speak Other Languages	0	0%	11
Households by Household Income			
Household Income Base	562	100%	164
< \$15,000	118	21%	140
\$15,000 - \$25,000	122	22%	108
\$25,000 - \$50,000	194	35%	125
\$50,000 - \$75,000	63	11%	78
\$75,000 +	64	11%	142
Occupied Housing Units by Tenure			
Total	562	100%	164
Owner Occupied	420	75%	113
Renter Occupied	142	25%	174
Employed Population Age 16+ Years			
Total	1,477	100%	363
In Labor Force	810	55%	307
Civilian Unemployed in Labor Force	199	13%	116
Not In Labor Force	667	45%	237

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

*Households in which no one 14 and over speaks English "very well" or speaks English only.

EJSCREEN ACS Summary Report



Location: User-specified point center at 35.025975, -106.642811

Ring (buffer): 1-mile radius

Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	1,777	100%	487
English	N/A	N/A	N/A
Spanish	N/A	N/A	N/A
French	N/A	N/A	N/A
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	N/A	N/A	N/A
Yiddish	N/A	N/A	N/A
Other West Germanic	N/A	N/A	N/A
Scandinavian	N/A	N/A	N/A
Greek	N/A	N/A	N/A
Russian	N/A	N/A	N/A
Polish	N/A	N/A	N/A
Serbo-Croatian	N/A	N/A	N/A
Other Slavic	N/A	N/A	N/A
Armenian	N/A	N/A	N/A
Persian	N/A	N/A	N/A
Gujarathi	N/A	N/A	N/A
Hindi	N/A	N/A	N/A
Urdu	N/A	N/A	N/A
Other Indic	N/A	N/A	N/A
Other Indo-European	N/A	N/A	N/A
Chinese	N/A	N/A	N/A
Japanese	N/A	N/A	N/A
Korean	N/A	N/A	N/A
Mon-Khmer, Cambodian	N/A	N/A	N/A
Hmong	N/A	N/A	N/A
Thai	N/A	N/A	N/A
Laotian	N/A	N/A	N/A
Vietnamese	N/A	N/A	N/A
Other Asian	N/A	N/A	N/A
Tagalog	N/A	N/A	N/A
Other Pacific Island	N/A	N/A	N/A
Navajo	N/A	N/A	N/A
Other Native American	N/A	N/A	N/A
Hungarian	N/A	N/A	N/A
Arabic	N/A	N/A	N/A
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	N/A	N/A	N/A
Total Non-English	N/A	N/A	N/A

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

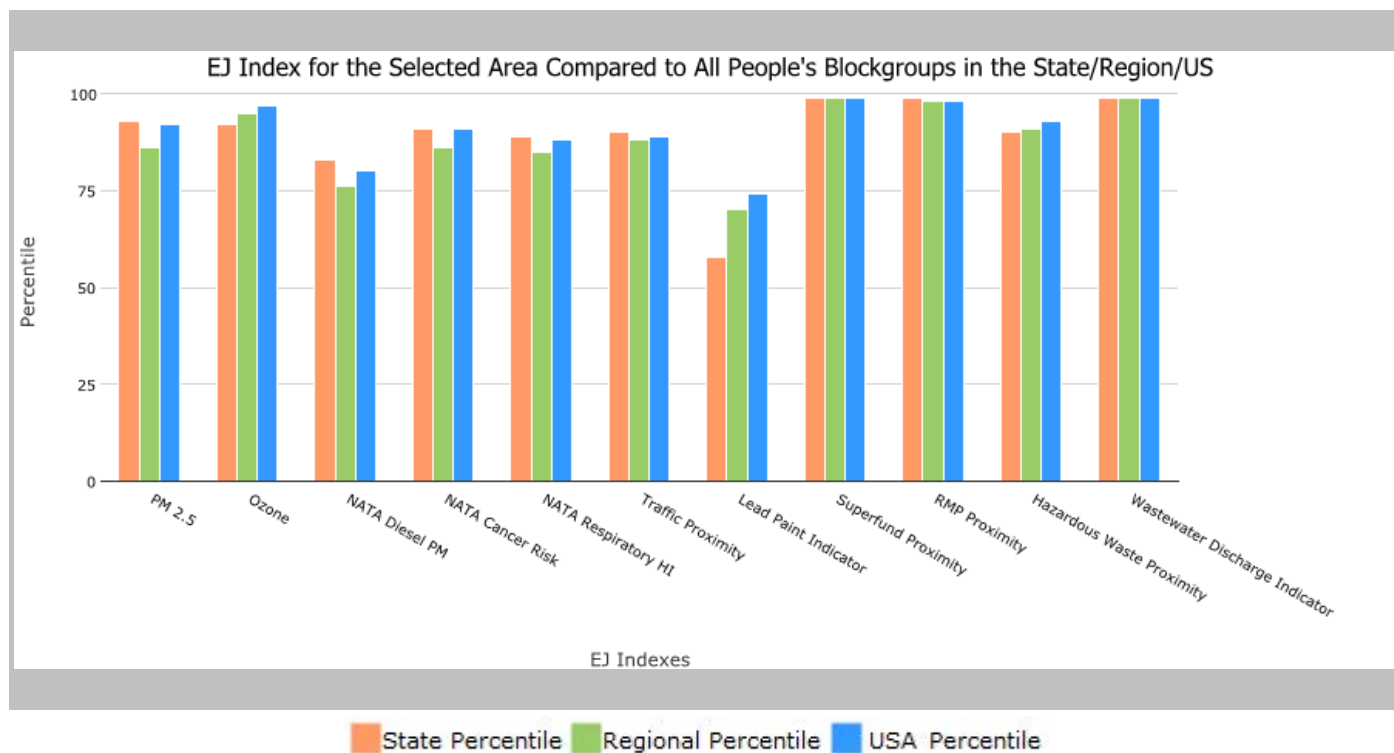
*Population by Language Spoken at Home is available at the census tract summary level and up.

1 mile Ring Centered at 35.025975,-106.642811, NEW MEXICO, EPA Region 6

Approximate Population: 1,905

Input Area (sq. miles): 3.14

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	93	86	92
EJ Index for Ozone	92	95	97
EJ Index for NATA* Diesel PM	83	76	80
EJ Index for NATA* Air Toxics Cancer Risk	91	86	91
EJ Index for NATA* Respiratory Hazard Index	89	85	88
EJ Index for Traffic Proximity and Volume	90	88	89
EJ Index for Lead Paint Indicator	58	70	74
EJ Index for Superfund Proximity	99	99	99
EJ Index for RMP Proximity	99	98	98
EJ Index for Hazardous Waste Proximity	90	91	93
EJ Index for Wastewater Discharge Indicator	99	99	99

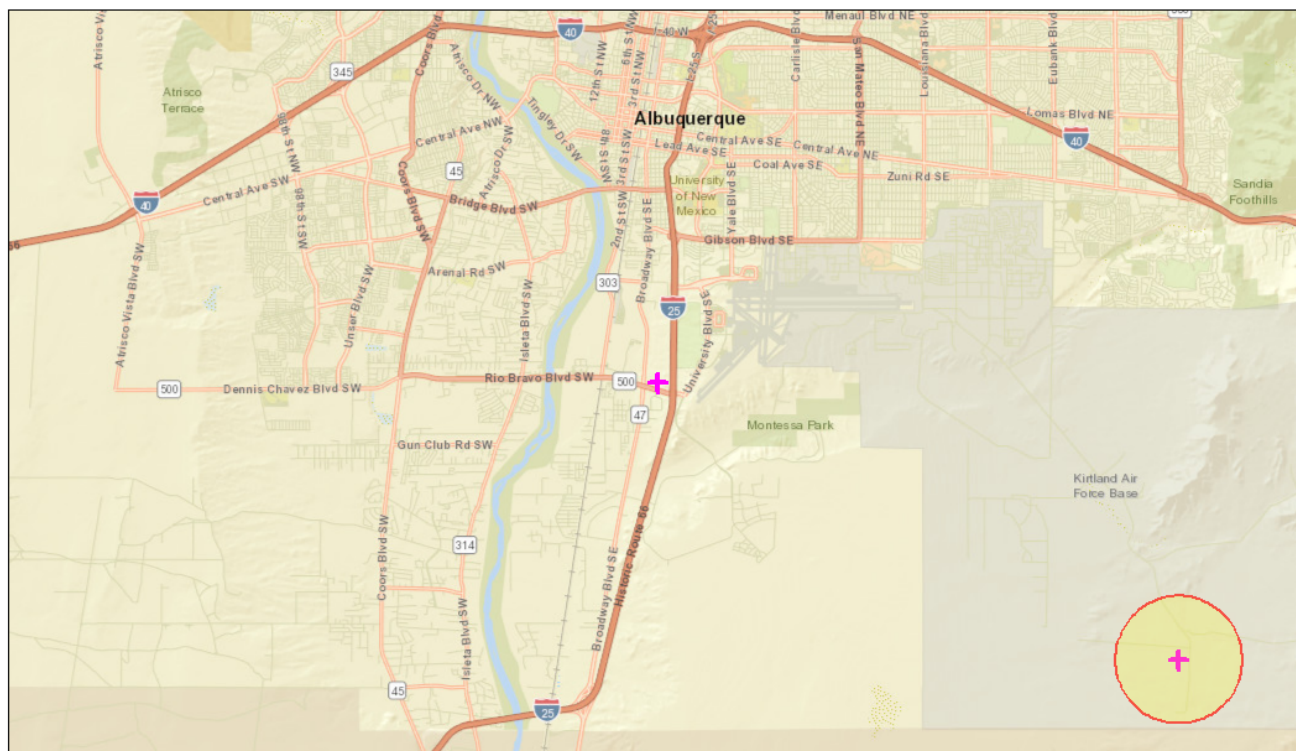


This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

1 mile Ring Centered at 35.025975,-106.642811, NEW MEXICO, EPA Region 6

Approximate Population: 1,905

Input Area (sq. miles): 3.14



May 23, 2018

Buffer Area

Digitized Point

1:144,448
0 1.25 2.5 5 mi
0 2 4 8 km
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

Sites reporting to EPA

Superfund NPL

1

Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)

0

EJSCREEN Report (Version 2017)

1 mile Ring Centered at 35.025975,-106.642811, NEW MEXICO, EPA Region 6

Approximate Population: 1,905

Input Area (sq. miles): 3.14

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	6.98	6.35	69	9.15	7	9.14	11
Ozone (ppb)	48.2	47.4	54	40.2	97	38.4	97
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.347	0.473	47	0.721	<50th	0.938	<50th
NATA* Cancer Risk (lifetime risk per million)	32	32	44	42	<50th	40	<50th
NATA* Respiratory Hazard Index	1.2	1.4	56	1.8	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	280	290	71	320	73	590	68
Lead Paint Indicator (% Pre-1960 Housing)	0.028	0.19	29	0.18	33	0.29	20
Superfund Proximity (site count/km distance)	0.94	0.14	97	0.078	99	0.13	98
RMP Proximity (facility count/km distance)	3	0.24	99	0.8	95	0.73	95
Hazardous Waste Proximity (facility count/km distance)	0.089	0.13	68	0.083	74	0.093	70
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	40	2.1	98	0.37	99	30	99
Demographic Indicators							
Demographic Index	78%	52%	88	45%	89	36%	93
Minority Population	89%	61%	84	50%	84	38%	89
Low Income Population	68%	43%	86	39%	87	34%	91
Linguistically Isolated Population	20%	5%	95	6%	90	5%	93
Population With Less Than High School Education	50%	16%	97	17%	95	13%	97
Population Under 5 years of age	7%	7%	57	7%	49	6%	59
Population over 64 years of age	13%	15%	51	12%	63	14%	54

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

For additional information, see: www.epa.gov/environmentaljustice

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

Location: User-specified point center at 35.025975, -106.642811

Ring (buffer): 4-mile radius

Description:

Summary of ACS Estimates		2011 - 2015	
Population		63,901	
Population Density (per sq. mile)		1,100	
Minority Population		48,504	
% Minority		76%	
Households		24,368	
Housing Units		27,351	
Housing Units Built Before 1950		6,676	
Per Capita Income		21,041	
Land Area (sq. miles) (Source: SF1)		58.11	
% Land Area		97%	
Water Area (sq. miles) (Source: SF1)		1.57	
% Water Area		3%	
	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	63,901	100%	597
Population Reporting One Race	60,927	95%	1,654
White	41,130	64%	566
Black	1,238	2%	132
American Indian	1,903	3%	281
Asian	676	1%	139
Pacific Islander	27	0%	29
Some Other Race	15,952	25%	507
Population Reporting Two or More Races	2,974	5%	302
Total Hispanic Population	44,224	69%	576
Total Non-Hispanic Population	19,677		
White Alone	15,397	24%	280
Black Alone	1,092	2%	132
American Indian Alone	1,386	2%	281
Non-Hispanic Asian Alone	653	1%	139
Pacific Islander Alone	27	0%	29
Other Race Alone	186	0%	101
Two or More Races Alone	936	1%	207
Population by Sex			
Male	32,735	51%	446
Female	31,166	49%	368
Population by Age			
Age 0-4	3,564	6%	161
Age 0-17	14,149	22%	245
Age 18+	49,751	78%	406
Age 65+	7,851	12%	169

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available.

Source: U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

Location: User-specified point center at 35.025975, -106.642811

Ring (buffer): 4-mile radius

Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	42,320	100%	324
Less than 9th Grade	6,087	14%	165
9th - 12th Grade, No Diploma	5,198	12%	204
High School Graduate	11,829	28%	221
Some College, No Degree	10,145	24%	173
Associate Degree	2,435	6%	132
Bachelor's Degree or more	9,061	21%	219
Population Age 5+ Years by Ability to Speak English			
Total	60,337	100%	520
Speak only English	30,812	51%	348
Non-English at Home ¹⁺²⁺³⁺⁴	29,525	49%	380
¹ Speak English "very well"	19,592	32%	389
² Speak English "well"	4,080	7%	158
³ Speak English "not well"	3,539	6%	200
⁴ Speak English "not at all"	2,313	4%	223
³⁺⁴ Speak English "less than well"	5,852	10%	257
²⁺³⁺⁴ Speak English "less than very well"	9,932	16%	269
Linguistically Isolated Households*			
Total	2,320	100%	117
Speak Spanish	2,155	93%	98
Speak Other Indo-European Languages	7	0%	14
Speak Asian-Pacific Island Languages	65	3%	28
Speak Other Languages	93	4%	63
Households by Household Income			
Household Income Base	24,368	100%	187
< \$15,000	5,912	24%	187
\$15,000 - \$25,000	3,914	16%	137
\$25,000 - \$50,000	6,479	27%	137
\$50,000 - \$75,000	3,533	14%	116
\$75,000 +	4,531	19%	142
Occupied Housing Units by Tenure			
Total	24,368	100%	187
Owner Occupied	13,096	54%	142
Renter Occupied	11,273	46%	185
Employed Population Age 16+ Years			
Total	51,528	100%	435
In Labor Force	31,217	61%	390
Civilian Unemployed in Labor Force	3,444	7%	129
Not In Labor Force	20,311	39%	266

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

*Households in which no one 14 and over speaks English "very well" or speaks English only.

EJSCREEN ACS Summary Report



Location: User-specified point center at 35.025975, -106.642811

Ring (buffer): 4-mile radius

Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	60,337	100%	520
English	N/A	N/A	N/A
Spanish	N/A	N/A	N/A
French	N/A	N/A	N/A
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	N/A	N/A	N/A
Yiddish	N/A	N/A	N/A
Other West Germanic	N/A	N/A	N/A
Scandinavian	N/A	N/A	N/A
Greek	N/A	N/A	N/A
Russian	N/A	N/A	N/A
Polish	N/A	N/A	N/A
Serbo-Croatian	N/A	N/A	N/A
Other Slavic	N/A	N/A	N/A
Armenian	N/A	N/A	N/A
Persian	N/A	N/A	N/A
Gujarathi	N/A	N/A	N/A
Hindi	N/A	N/A	N/A
Urdu	N/A	N/A	N/A
Other Indic	N/A	N/A	N/A
Other Indo-European	N/A	N/A	N/A
Chinese	N/A	N/A	N/A
Japanese	N/A	N/A	N/A
Korean	N/A	N/A	N/A
Mon-Khmer, Cambodian	N/A	N/A	N/A
Hmong	N/A	N/A	N/A
Thai	N/A	N/A	N/A
Laotian	N/A	N/A	N/A
Vietnamese	N/A	N/A	N/A
Other Asian	N/A	N/A	N/A
Tagalog	N/A	N/A	N/A
Other Pacific Island	N/A	N/A	N/A
Navajo	N/A	N/A	N/A
Other Native American	N/A	N/A	N/A
Hungarian	N/A	N/A	N/A
Arabic	N/A	N/A	N/A
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	N/A	N/A	N/A
Total Non-English	N/A	N/A	N/A

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race. N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2011 - 2015.

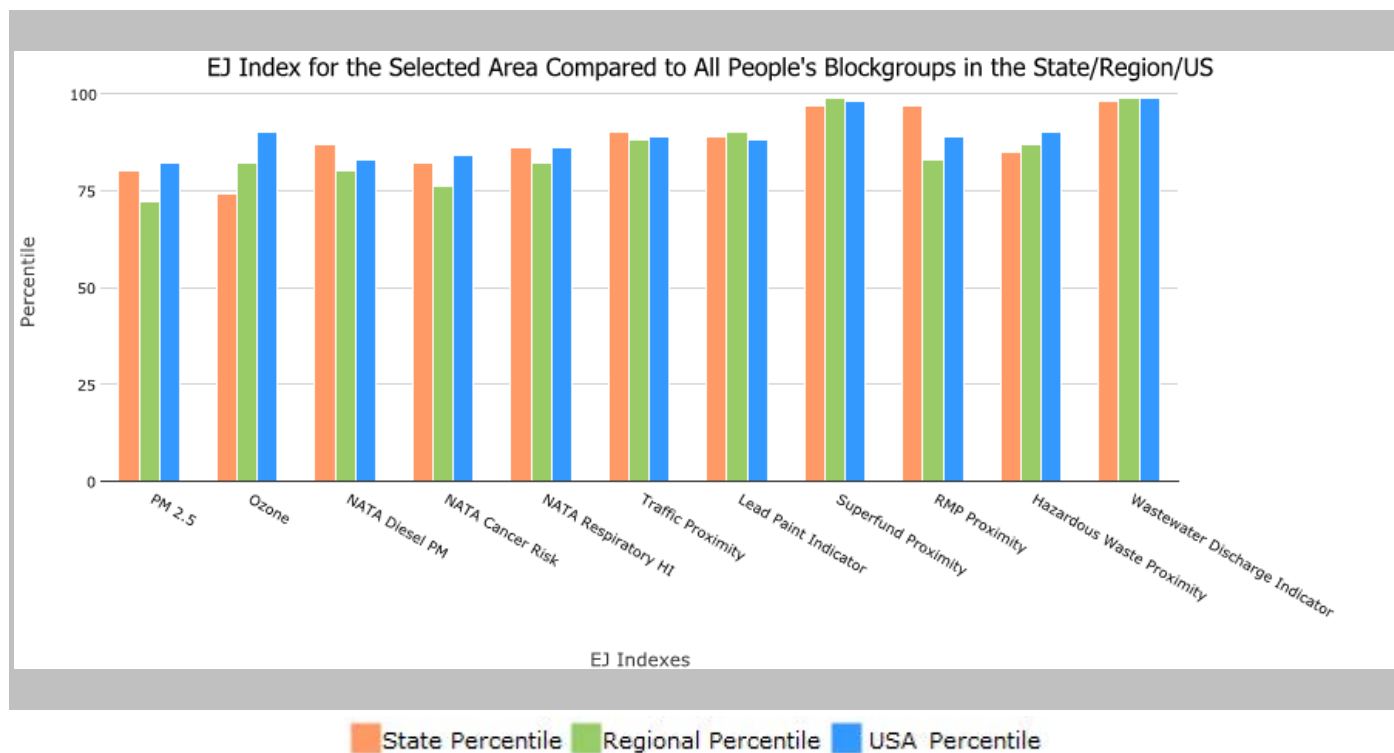
*Population by Language Spoken at Home is available at the census tract summary level and up.

4 mile Ring Centered at 35.025975,-106.642811, NEW MEXICO, EPA Region 6

Approximate Population: 63,901

Input Area (sq. miles): 50.26

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	80	72	82
EJ Index for Ozone	74	82	90
EJ Index for NATA* Diesel PM	87	80	83
EJ Index for NATA* Air Toxics Cancer Risk	82	76	84
EJ Index for NATA* Respiratory Hazard Index	86	82	86
EJ Index for Traffic Proximity and Volume	90	88	89
EJ Index for Lead Paint Indicator	89	90	88
EJ Index for Superfund Proximity	97	99	98
EJ Index for RMP Proximity	97	83	89
EJ Index for Hazardous Waste Proximity	85	87	90
EJ Index for Wastewater Discharge Indicator	98	99	99

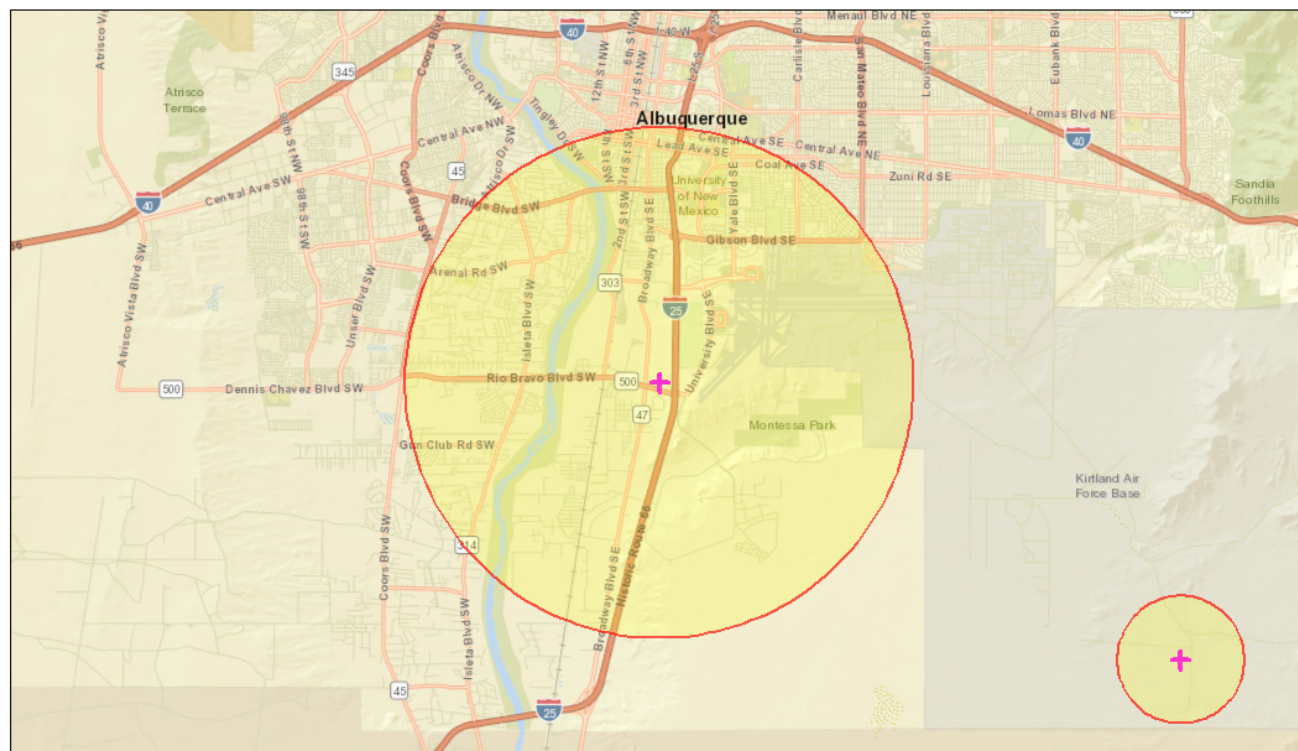


This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

4 mile Ring Centered at 35.025975,-106.642811, NEW MEXICO, EPA Region 6

Approximate Population: 63,901

Input Area (sq. miles): 50.26



May 23, 2018

Buffer Area

Digitized Point

1:144,448

0 1.25 2.5 5 mi

0 2 4 8 km

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, OpenStreetMap contributors, and the GIS User Community

Sites reporting to EPA

Superfund NPL

2

Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)

0

EJSCREEN Report (Version 2017)

4 mile Ring Centered at 35.025975,-106.642811, NEW MEXICO, EPA Region 6

Approximate Population: 63,901

Input Area (sq. miles): 50.26

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	7.22	6.35	87	9.15	10	9.14	13
Ozone (ppb)	48.1	47.4	46	40.2	97	38.4	97
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.873	0.473	85	0.721	70-80th	0.938	50-60th
NATA* Cancer Risk (lifetime risk per million)	42	32	83	42	<50th	40	50-60th
NATA* Respiratory Hazard Index	2.1	1.4	86	1.8	70-80th	1.8	70-80th
Traffic Proximity and Volume (daily traffic count/distance to road)	620	290	87	320	87	590	81
Lead Paint Indicator (% Pre-1960 Housing)	0.44	0.19	85	0.18	86	0.29	72
Superfund Proximity (site count/km distance)	0.71	0.14	96	0.078	99	0.13	97
RMP Proximity (facility count/km distance)	0.99	0.24	95	0.8	74	0.73	76
Hazardous Waste Proximity (facility count/km distance)	0.14	0.13	78	0.083	86	0.093	84
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	7.9	2.1	96	0.37	99	30	98
Demographic Indicators							
Demographic Index	66%	52%	71	45%	77	36%	86
Minority Population	76%	61%	70	50%	73	38%	82
Low Income Population	57%	43%	71	39%	76	34%	83
Linguistically Isolated Population	10%	5%	78	6%	77	5%	83
Population With Less Than High School Education	27%	16%	78	17%	77	13%	85
Population Under 5 years of age	6%	7%	44	7%	37	6%	47
Population over 64 years of age	12%	15%	44	12%	57	14%	48

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

For additional information, see: www.epa.gov/environmentaljustice

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.