NEW MEXICO ENVIRONMENT DEPARTMENT
GROUND WATER QUALITY BUREAU

PUBLIC INVOLVEMENT PLAN
(PIP)

Facility Name:	SX/EW Plant and Reservoirs 6 and 7
Facility Location:	99 Santa Rita Mine Road Vanadium, NM Section 25 and 26, T17S, R12W
County:	Grant
Responsible Party:	Freeport-McMoRan Chino Mines Company P.O. Box 10 Bayard, NM 88023
Agency:	Ground Water Quality Bureau Mining Environmental Compliance Section
GWQB Action:	Permitting - Renewal DP-591
Bureau Contact:	Jordan Anderson, Permit Lead (505) 660-8908 jordan.anderson@env.nm.gov or mecs.general@env.nm.gov Main bureau telephone number: (505) 827-2900

EFFECTIVE DATE: August 2025

REVISION DATE: NA

Brad Reid Digitally signed by Brad Reid
Date: 2025.08.01 09:35:03 -06'00'

For:
Justin D. Ball, Chief
Ground Water Quality Bureau

Element 1 – Public Involvement Plan (PIP) Overview

The New Mexico Environment Department (NMED or Department), Ground Water Quality Bureau (Bureau) has developed this PIP for the application for renewal of the Ground Water Discharge Permit for the Chino Mine SX/EW Plant and Reservoirs 6 and 7. The permit for this facility is referred to as DP-591.

The purpose of this PIP is to plan for providing public participation opportunities and information that may be needed for the community to participate in the permitting process for this facility. This PIP identifies information about the community and resources needed by the Bureau to incorporate community participation activities into the decision-making process. This PIP is developed in accordance with the Department's *Public Participation Policy* (Policy 07-13 or Policy), and incorporates the requirements of the Policy, as well as applicable regulatory and statutory public participation requirements.

This PIP implements the "elements" set forth in the Policy. Those elements include:

1. An overview of the Public Involvement Plan for the community affected by the activity
2. Bureau contact names and contact information, specifically for Limited English Proficiency (LEP) language assistance services (e.g., translation, interpreters) or for disability accommodations
3. A summary of the regulatory public participation framework associated with discharge permits
4. A description of community/stakeholder groups based on results of a preliminary environmental justice (EJ) screening
5. Details about planned public outreach activities

In developing this PIP, community participation needs were assessed to ensure appropriate public outreach. This was accomplished by identifying whether there is a combination of environmental and demographic factors that may impact public participation (e.g., low-income community, minority community, LEP individuals, linguistically isolated households). Because the community located near the Freeport-McMoRan Chino Mine includes a significant percentage of Spanish speakers, the Bureau will provide appropriate information in both English and Spanish.

Public involvement associated with discharge permits occurs at different stages and in different forms. Public involvement activities required by statute or regulation are mandatory and subject to statutory or regulatory deadlines. Mandatory public involvement activities and associated time requirements relevant to this PIP are noted in the *Table of Mandated Public Involvement Activities* at the end of this PIP.

The Bureau plans to conduct the public involvement activities related to the permitting process outlined in the *Table of Public Involvement Activities* below. The activity timeline and dates are tentative and subject to change.

Table of Public Involvement Activities

Activity	Date
Application Notice (PN-1) See *Table of Mandated Public Involvement Activities* at the end of this PIP for details.	May 2025 .
Placement of a hardcopy of the PIP in the local NMED office: Silver City Field Office 3082 32nd Street By-Pass Road, Suite D Silver City, NM 88061 (575) 388-1934	August 2025
Notice of availability of draft permit (PN-2) See *Table of Mandated Public Involvement Activities*.	Within 60 days of determining the application is technically complete. July 30, 2025

All notices for upcoming meetings or hearings will include a statement that any person who requires assistance, an interpreter, or an auxiliary aid to participate in the process may contact a specifically identified Department person to request those services. Requested interpretation services during the meeting and accommodations or services for persons with disabilities will be arranged to the extent possible.

This PIP is a "living" document that may be amended for numerous reasons, including the consideration of public comments and feedback.

Element 2 – Bureau Contact Information

PIP Specific Contacts

The Bureau contact for this discharge permit is:

Jordan Anderson, Permit Lead
NMED Ground Water Quality Bureau
P.O. Box 5469, Santa Fe, NM 87502-5469
505-660-8908 / jordan.anderson@env.nm.gov / mecs.general@env.nm.gov

Non-English Language Speaker Assistance

All public notices will contain a statement that non-English speakers may call the Bureau contact listed above and request language assistance in order to learn more about this permit or the permitting process. Arrangements may be made for document translation or interpretation related to the permitting process as necessary and as resources allow.

Individuals with Disabilities Assistance

All public notices will contain a statement that individuals with disabilities may call the Bureau contact listed above and request assistance needed to participate in activities associated with the permitting process.

The following information will be provided in public notices so that individuals who are deaf, hard of hearing, or have difficulty speaking on the phone can contact the Bureau and ask questions about the activity or proceeding: Telephone conversation assistance is available through Relay New Mexico at no charge for people who are deaf, hard of hearing, or have difficulty speaking on the phone, by calling 1-800-659-1779 (English); 1-800-327-1857 (Spanish); TTY users: 1-800-659-8331.

Websites

Outreach materials and notices will include links to the following website, where the Bureau's public notices and PIP information are posted:

Ground Water Quality Bureau – *https://www.env.nm.gov/public-notices/*

Element 3 – Regulatory Framework for Public Participation Related to the Permitting Process

The public participation regulatory framework associated with the permitting process is identified in the *Table of Mandated Public Involvement Activities* at the end of this PIP. The Table identifies activities subject to statutory or regulatory deadlines, the associated regulatory requirements, and the associated dates or time periods.

Element 4 – Description of Community/Stakeholder Groups Based on the EJSCREEN

EJSCREEN Summary

To provide for adequate public participation opportunities and meaningful involvement of persons in the permitting process, the affected communities must first be identified, informed about proposed environmental actions affecting the community, and invited to share their

comments and concerns. The EJSCREEN tool developed by the U.S. Environmental Protection Agency (EPA) helps identify communities that are low income, have minority populations, and have limited English proficiency that may benefit from a variety of approaches for notification and outreach communication, which is no longer available, therefore, an unofficial copy hosted by the Public Environmental Data Partners is used. This information is used to help plan for the community's involvement in the public process for environmental activities or actions. In addition to the EJSCREEN results, the Bureau may consider additional information such as the U.S. Census Bureau website or NMED's EJ Mapping Tool.

The Bureau considers the affected community to be those persons living within the geographic area depicted on the attached EJSCREEN document that includes surrounding residential communities of the discharge site. The results of the EJScreen Multisite Report (attached to this PIP) are summarized in the table below.

EJSCREEN* Results for the Affected Community

Total population	26,302
Percentage People of Color population	56 %
Percentage of the population by race	Population reporting one race: White: ..... 44% Black: ..... 1% American Indian: ..... 1% Asian: ..... 1% Hawaiian/Pacific Islander: ..... 0% Some Other Race: ..... 0% Hispanic: 52%
Percentage of Limited English households	2%
Languages by percentage in Limited English-Speaking Breakdown	Spanish: ..... 83% Other Indo-European languages: ……0% Asian-Pacific Island languages: ……17% Other languages: 0%
Percent linguistically isolated population, New Mexico**:	5.1%
Percentage Low Income	44%
Percentage Low Income, USA***	26%

* An unofficial copy of EJScreen hosted by the Public Environmental Data Partners.

** U.S. Census Bureau. 2020 American Community Survey 5-Year Estimates, Table S1602. Limited English-Speaking Households.
https://data.census.gov/cedsci/table?q=S1602%3A%20LIMITED%20ENGLISH%20SPEAKING%20HOUSEHOLDS&g=0400000US35&tid=ACSST5Y2020.S1602 (date of access: 5/4/2022).

*** U.S. Census Bureau. 2020 American Community Survey 5-Year Estimates, from EJam Report, an unofficial copy of EJScreen hosted by the Public Environmental Data Partners. (date of access: 3/5/2025).

Based on the EJSCREEN results regarding language proficiencies, the Bureau plans to conduct public outreach in accordance with the *Table of Mandated Public Involvement Activities* at the end of this PIP.

Element 5 – Detailed Actions and Outreach Activities with the Affected Public

Public involvement activities required by statute or regulation for this permitting action are listed in the *Table of Mandated Public Involvement Activities* at the end of this document.

Public Participation – Outreach Activities

The Bureau will conduct the following outreach activities during this permitting process:

- Placement of this PIP on the Bureau website and in nearby NMED field office
- Postal mailing and email notices
- Newspaper notices
- Notice posted on NMED website

Newspapers to be utilized in the notification process include:

Local circulation (English and Spanish): Silver City Daily Press, Grant County

Local, state, and federal government agencies, tribal entities, land grant officials and colonias will be notified about the permitting process. A list of the agencies and officials notified can be provided upon request.

Indian Tribes, Pueblos and Nations will be notified about the permitting action through the contacts maintained by the Indian Affairs Department at the following URLs:

https://www.iad.state.nm.us/pueblo-tribes-and-nations/pueblos/
https://www.iad.state.nm.us/pueblo-tribes-and-nations/navajo/
https://www.iad.state.nm.us/pueblo-tribes-and-nations/apaches/

Because of the proximity of Arenas Valley Colonia 1, Central Colonia 2, Bayard Colonia 3, Bear Mountain Colonia 6, North Hurley Colonia 15, Mocking Bird Subdivision Colonia 18, Hanover Colonia 22, Hanover Colonia 23, San Juan Colonia 26, Rosedale Colonia 27, San Lorenzo Colonia 28, Santa Rita Colonia 29, Santa Rita Colonia 30, Santa Rita Colonia 31, Santa Clara Colonia 32 and Vanadium Colonia 34, a courtesy email will be sent to the Executive Director of Southwest New Mexico Council of Governments (SWNMCOG).

Timelines and methods for submitting public comments are specified in the *Table of Mandated Public Involvement Activities.* Final discharge permit documents will be available from the Bureau's contact identified in Element 2 of this PIP.

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

The Bureau solicits the names and contact information of interested parties with all public notices. The Bureau maintains those names on a Facility-Specific Mailing List and provides the individuals with information about regulatory activities for the facility. Individuals, organizations, and other interested parties are added to the mailing list as requested. All public notices will contain a statement directing interested individuals to contact the Bureau contact for this permit if they want to be added to the facility specific mailing list.

Other means of outreach such as fliers announcing public comment periods and/or public meetings or hearings may be posted in locations throughout the community (e.g., local businesses, schools, libraries) and on the Department's website, at the Bureau's discretion after consideration of public interest and input.

PIP Contingency Plan

During a public health emergency or other unforeseen event outside the control of the Department, the Department will make every effort to ensure the public remains involved in and informed of the decision making and permit processes. The purpose of this PIP Contingency Plan is in part to address circumstances when public spaces are closed because of potential human exposure risks. The Department will attempt to identify and utilize alternate methods of document delivery to the public and public viewing when conventional methods and locations are unavailable. When it is unsafe to utilize the physical PIP and document repositories, the Department will consider utilizing electronic delivery methods deemed appropriate for the permitting action. While operating under the PIP Contingency Plan, the PN-2 will include a statement specifying that the PIP Contingency Plan is in effect and that, "instead of placing a copy of the PIP for this permitting action in a public location, NMED will make the PIP available to the community by sending the PIP by email or US mail to any community member requesting a copy. An individual may request a copy of the PIP utilizing the Bureau contact information in this public notice. When making such a request, please specify how you would like the document delivered. If you request a copy of a PIP, you will receive a revised PIP should the PIP be updated in the future." During the times of potential human exposure risks and the resultant implementation of this PIP Contingency Plan, public meetings and hearings will only be held when or through means by which the Department can ensure the public's health and safety and this PIP can be fully adhered to.

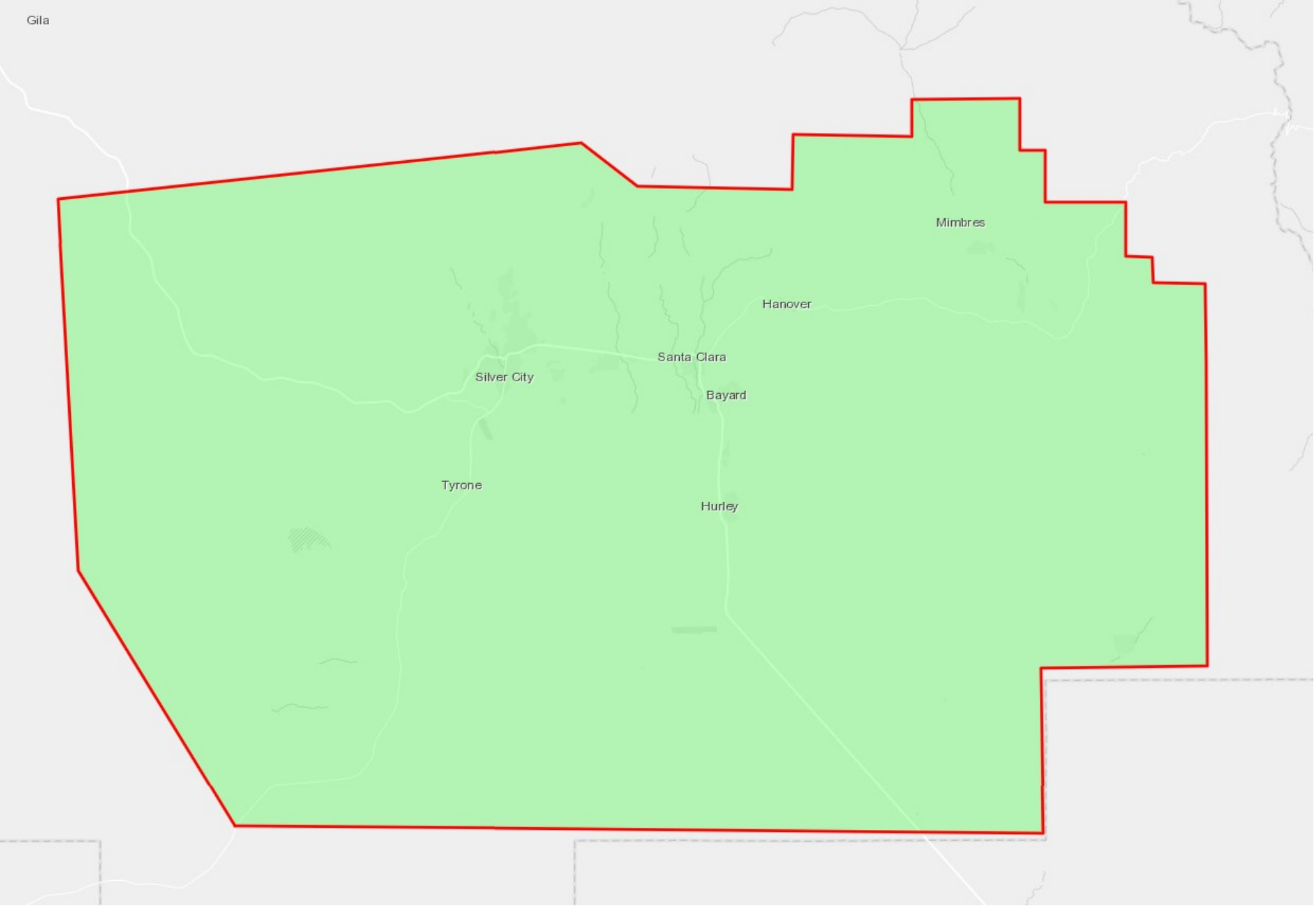
Attachments

- A copy of the EJSCREEN Multisite Report, and a map showing the area evaluated

Table of Mandated Public Involvement Activities

Activity	Dates
Application Notice (PN-1): The first notice of the Bureau's receipt of the permit application – applicant's obligations at 20.6.2.3108.B and C NMAC – Bureau's obligations at 20.6.2.3108.E NMAC • Posting a flyer in a location conspicuous to the public – Applicant obligation • Newspaper display ads (PN-1 synopsis[1] in English and Spanish)- Applicant obligation • NMED website *https://www.env.nm.gov/public-notices/* • Notice to government agencies • Notice to interested parties	Within 30 days of the department deeming the application administratively complete
Permit Notice (PN-2): Notice to the public of the availability of a draft permit for a 30-day review and comment period – the notice will outline the process for requesting a public hearing – obligation at 20.6.2.3108.H through J NMAC • NMED website *https://www.env.nm.gov/public-notices/* • Newspaper legal ads • Notification of interested parties • Notice to government agencies • Notice to Indian Tribes, Pueblos and Nations	Within 60 days of the department determining the application is technically complete and drafting a permit.
Response to Comments (if comments received): Upon the Secretary's decision regarding issuance of a discharge permit – obligation at 20.6.2.3109.B NMAC. The Response to Comments shall specify which provisions, if any, in the draft permit were changed and the reasons for the change, and shall briefly describe and respond to all significant comments on the draft permit raised during the public comment period or at any hearing. The Secretary shall notify persons who participated in the permitting action by mail or email of the action taken and the reasons for such action and shall include a copy of the Response to Comments.	Response is issued 30 days after the administrative record is complete and all required information is available

[1] Suitable for display, the abbreviated format of the PN-1 synopsis does not contain all the information provided by a full public notice, e.g., language assistance or non-discrimination information.


Gila
Mimbres
Hanover
Santa Clara
Silver City
Bayard
Tyrone
Hurley

EJAM Report

Site 1 (ejam_uniq_id 1)
Population: 26,302

EJScreen Multisite Report

This report summarizes environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Superfund Proximity (site count/km distance)	0.00	0.34	0	0.39	0
RMP Proximity (facility count/km distance)	0.00	0.20	0	0.57	0
Hazardous Waste Proximity (facility count/km distance)	0.5	1.2	53	3.5	33
Underground Storage Tanks (UST) indicator	2.2	2.8	68	3.6	64
Wastewater Discharge Indicator (toxicity-weighted concentration/distance)	210	990,000	61	700,000	62
Drinking Water Non-Compliance	0.6	5.58	73	2.2	76
SOCIOECONOMIC INDICATORS					
Demographic Index USA	1.91	2.16	48	1.34	75
Supplemental Demographic Index USA	1.96	1.62	55	1.64	72
% Low Income	44%	39%	59	30%	75
% in limited English-speaking Households	2%	6%	48	5%	61
% Unemployed	7%	6%	65	6%	71
% with Less Than High School Education	12%	14%	56	11%	65
% under Age 5	5%	5%	56	5%	50
% over Age 64	28%	20%	79	18%	85
% People of Color	56%	62%	39	40%	69

Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. For each of the environmental indicators in EJScre there is an EJ Index and a Supplemental EJ Index. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information a calculation details on the EJ and supplemental indexes, please visit the EJScreen website.

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

SELECTED VARIABLES	PERCENTILE IN STATE	PERCENTILE IN USA
EJ INDEXES		
Particulate Matter EJ Index	23	4
Ozone EJ Index	18	90
Nitrogen Dioxide (NO2) EJ Index	54	71
Diesel Particulate Matter EJ Index	21	10
Toxic Releases to Air EJ Index	61	23
Traffic Proximity and Volume EJ Index	23	21
Lead Paint EJ Index	62	74
Superfund Proximity EJ Index	0	0
RMP Proximity EJ Index	0	0
Hazardous Waste Proximity EJ Index	57	55
Underground Storage Tanks EJ Index	52	69
Wastewater Discharge EJ Index	23	21
Drinking Water Non-Compliance EJ Index	70	74
SUPPLEMENTAL EJ INDEXES		
Particulate Matter Supplemental EJ Index	24	1
Ozone Supplemental EJ Index	17	92
Nitrogen Dioxide (NO2) Supplemental EJ Index	54	66
Diesel Particulate Matter Supplemental EJ Index	20	4
Toxic Releases to Air Supplemental EJ Index	63	13
Traffic Proximity and Volume Supplemental EJ Index	24	10
Lead Paint Supplemental EJ Index	63	62
Superfund Proximity Supplemental EJ Index	0	0
RMP Proximity Supplemental EJ Index	0	0
Hazardous Waste Proximity Supplemental EJ Index	63	43
Underground Storage Tanks Supplemental EJ Index	54	58
Wastewater Discharge Supplemental EJ Index	22	12
Drinking Water Non-Compliance Supplemental EJ Index	70	73

SELECTED VARIABLES	VALUE
BREAKDOWN BY RACE	
% Hispanic or Latino	52%
% Black or African American (non-Hispanic, single race)	1%
% Asian (non-Hispanic, single race)	1%
% American Indian and Alaska Native (non-Hispanic, single race)	1%
% Native Hawaiian and Other Pacific Islander (non-Hispanic, single race)	0%
% Other race (non-Hispanic, single race)	0%
% Two or more races (non-Hispanic)	1%
% White (non-Hispanic, single race)	44%
BREAKDOWN BY GENDER	
% Male	50%
% Female	50%
LIMITED ENGLISH SPEAKING BREAKDOWN	
%Spanish lang (as %of limited English hhlds)	83%
%Other Indo-European lang (as %of limited English hhlds)	0%
%Asian-Pacific Island lang (as %of limited English hhlds)	17%
%Other lang (as %of limited English hhlds)	0%

Note: Diesel particulate matter index is from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations.

More information on the Air Toxics Data Update can be found at: [illegible]