



# NMED Public Participation Policy Policy 07-13

## Public Involvement Plan for Remediation

Phillips 66 Socorro  
401 N. California Street,  
Socorro, New Mexico

Approved:   
Dana Bahar  
Chief, Petroleum Storage Tank Bureau

Date: 11/7/2019

Petroleum Storage Tank Bureau  
November 7, 2019

# 1. Public Involvement Plan (PIP) Overview

The New Mexico Environment Department (“NMED” or “Department”), Petroleum Storage Tank Bureau (“PSTB” or “Bureau”) developed this Public Involvement Plan (“PIP”) for the Remediation Plan review for the Phillips 66 Socorro site located at 401 N. California Street, Socorro, New Mexico.

The PSTB has developed this PIP to provide public participation opportunities and information to facilitate the public’s participation in the remediation planning process related to this site.

This PIP integrates information about the community and identifies resources needed by the PSTB to successfully incorporate community participation activities into the decision-making process for the Remediation Plan. The PIP identifies the PSTB staff and resources needed to accomplish these activities.

The remediation planning process may require public participation throughout different stages. The PSTB will meet the public participation requirements for the planning process by following this PIP, which includes all applicable policy, regulatory and statutory public notice and participation requirements.

In developing this PIP, community participation needs at the site were assessed to ensure appropriate promotion of public outreach is conducted by identifying whether there is a combination of environmental and demographic factors (i.e., low income community, minority community, limited English proficiency individuals, Linguistically Isolated Households, etc.) that may affect public participation (refer to Element 4 of this PIP). This assessment identifies community outreach needs and provides for public access opportunities above and beyond statutorily mandated requirements and underscores the provision of adequate public access to information about the remediation planning process.

As much as possible, public participation and informational activities related to the remediation planning process will be held within the timelines outlined in the table below. This timeline is tentative and subject to change; activities subject to statutory or regulatory deadlines are noted.

In the timeline for this remediation planning process, public comments may be submitted to the PSTB prior to the PSTB’s determination that the Remediation Plan is acceptable. Upon a determination that the Remediation Plan is acceptable, the PSTB will implement the Remediation Plan.

The Phillips 66 Socorro site is in Socorro, New Mexico in an area that has a relatively large community of Spanish speakers. Therefore, the PSTB will provide information in both English and Spanish.

As deemed necessary based on knowledge of the surrounding community, arrangements may be made for translation services. At any time during the planning process, the Remediation Plan and relevant documents may be reviewed at either of the repositories listed.

More detailed information about planned PSTB outreach is available in this PIP.

<b>Activity</b>	<b>Dates</b>
Posting of PIP (PSTB website and office)	TBD
Public Comment Period for PIP	Ongoing
PIP Revision	As necessary
Posting of Revised PIP	Within 21 days of receipt of substantial comment
<b>Socorro</b> Public Meeting	TBD
Public Notice of Planned Submission of Draft Remediation Plan	June 15, 2019
Submittal of Draft Remediation Plan	June 17, 2019
Posting of Draft Remediation Plan (PSTB website and office), Public Comment Period Begins	June 20, 2019
Second Public Notice of Submission of Draft Remediation Plan, Posting of Notice at the Site	July 11, 2019
Public Comment Period for Draft Remediation Plan Ends	August 1, 2019
Incorporation of Comments and Preparation of Final Remediation Plan	October 4, 2019

The Bureau Chief of the PSTB provides final approval of the PIP and amendments. This PIP is a “living” document that may be amended after considering public comments and feedback.

## 2. Contacts

Bureau contact for this PIP and the Remediation Plan is:

Katherine MacNeil  
Project Manager  
NMED Petroleum Storage Tank Bureau  
121 Tijeras Avenue NE, Suite 1000  
Albuquerque, NM  
Tel (505) 222-9581  
E-mail: katherine.macneil@state.nm.us

### ***Non-English Language Speaker Assistance and Accommodations***

The Bureau will include information about how non-English speakers or readers may call the PSTB contact listed in this PIP and request language assistance services, such as an interpreter, so they can learn more about the planning process. Services may be arranged for translation of documents, for interpreters, and for obtaining services for persons with disabilities. A phone-based interpretation service may be available for languages other than English.

Persons requiring non-English Language Speaker Assistance, assistance for an interpreter or auxiliary aid (e.g., accommodations for persons who are disabled) to participate in the planning process will be directed to the PSTB contact listed above, and if possible, allow at least 14 days prior to the end of the comment review period.

The New Mexico Relay Network numbers will also be provided in public notices for the hearing or speech impaired: 1-800-659-1779 (voice); and 1-800-659-8331 (TTY users).

### ***Department Websites***

New Mexico Environment Department - <https://www.env.nm.gov/>  
Petroleum Storage Tank Bureau - [https://www.env.nm.gov/petroleum\\_storage\\_tank/](https://www.env.nm.gov/petroleum_storage_tank/)

### 3. Regulatory Framework for Public Participation

There are existing federal and state laws governing the management of petroleum hydrocarbon releases. The United States Congress enacted the Resource Conservation and Recovery Act (RCRA), an amendment to the Solid Waste Disposal Act, in 1976 to ensure safe management and disposal of household, municipal and industrial waste generated nationwide. 42 U.S.C. § 6901 *et. seq.*, 42 U.S.C. § 6921 *et. seq.*

In 1984, Congress added Subtitle I to the Solid Waste Disposal Act, which required the U.S. Environmental Protection Agency (“EPA”) to develop a comprehensive regulatory program for Underground Storage Tank (“UST”) systems storing petroleum or certain hazardous substances to protect the environment and human health from UST releases. 42 U.S.C. § 6991 *et. seq.* In 1988, the EPA promulgated the UST regulations (40 CFR Part 280) and the regulations for state program approval (“SPA”) (40 CFR Part 281). SPA delegates the primary responsibility of implementing the federal UST program to individual states in lieu of the EPA. NMED PSTB currently has SPA from EPA.

New Mexico’s Petroleum Storage Tank regulations, 20.5 NMAC, are promulgated pursuant to the provisions of the Hazardous Waste Act, Sections 74-4-1 through 74-4-14 NMSA 1978; the Ground Water Protection Act, Sections 74-6B-1 through 74-6B-14 NMSA 1978; and the general provisions of the Environmental Improvement Act, Sections 74-1-1 through 74-1-17 NMSA 1978.

Owners and operators (responsible parties) of petroleum storage tanks where a release has occurred which requires a final remediation plan shall develop a final remediation plan which includes public notice that meets the requirements of paragraph (10) of subsection D of 20.5.119.1923 NMAC and paragraph B of 20.5.119.1928 NMAC.

The Department may provide for public participation in the review process as the Department deems appropriate or when there is significant public interest as provided for in subsection D of 20.5.119.1924 NMAC. If an informal public meeting, public hearing or other form of public participation is conducted, the Department may postpone its decision on the final remediation plan until after a public hearing or meeting is held and a determination is made. Any public hearing or meeting that is held due to significant public interest shall be held within 60 days of determining that there is significant public interest.

#### ***Facility Background***

The Phillips 66 Socorro site is located at 401 N. California St., Socorro New Mexico. The site is currently a retail tire sales business. It is located in a mixed commercial and residential area of Socorro, NM. There are residential properties within 400’ of the site. There is no surface water within 500’ of the site. There are several domestic wells located within 1200 feet of the site. The closest well is located 415 feet southwest of the property. The city water is supplied by two springs (Socorro and Sedillo) and three wells (South Industrial, Eagle Pitcher and Evergreen) that are outside the area of contamination attributed to the site.

During the removal of four USTs from the site during September 1991, the regular gasoline UST

had visible corrosion and holes near both ends. Approximately 0.25 to 0.33 feet of non-aqueous phase liquid (NAPL) was observed to be floating on the water table at the time of UST removal. Photoionization Detector (PID) readings of heated headspace samples taken in the corners of the tank pit excavation ranged between 150 and 400 parts per million by volume (ppmv) and confirmed that a release of petroleum hydrocarbon products had occurred.

The hydrogeological setting of the site consists of a shallow aquifer that appears to be unconfined, residing in the Rio Grande Floodplain alluvial sediments. The vadose zone sediments in the northern and middle section of the site consist primarily of alternating sand-clay, clayey-sand and sand units with interbedded clay layers. The southern section of the site consists of silty clay and/or gravel over 12 ft of sand overlying 5+ feet of gravelly clay with cobbles.

As of August 2016, the depth to water (dtw) ranged from 11.17' below top of casing (BTOC) to 13.78' BTOC. Groundwater elevations had decreased by over 0.5' as compared to the February 2016 sampling event. Gradient was determined to be to the Southwest at 0.004 feet/feet.

The vadose zone hydrocarbon contamination was present at 4' bgs and extending to 18' below ground surface (bgs) in boring D-4. At 8-10' bgs the contamination extends to the north towards boring DE-2.5. Soil contamination is more extensive at the site from 12' bgs, which is where groundwater is encountered, to 18' bgs. Soil contamination > 20' bgs is localized to boring E-4; the area immediately to the northeast of the canopy within the excavation boundary. The vertical extent of contamination appears to be around 20' bgs except in the area of E-4.

As of August 2016, 6 wells exceeded NMWQCC standards for MTBE, and 2 wells exceeded NMWQCC standards for benzene and total naphthalenes. The dissolved phase benzene plume in ground water that exceeds 10 parts per billion (ppb) is 4800 sq ft, with 250 sq ft exceeding 100 ppb and 100 sq ft exceeding 1000 ppb. The dissolved phase plume appears to be stable. MWs 16 and 17 installed during the June 2014 monitoring event in the median between the site and a separate upgradient release site support the theory of a migrating MTBE plume from under California Street that is impacting this site.

Information and data has been collected from previous site investigations and was used to develop a final remediation plan (FRP) including a quarterly groundwater monitoring and quarterly system operations and maintenance regimen.

## 4. Affected Communities and Stakeholders

To provide for adequate public participation opportunities and meaningful involvement of persons in the planning process and to address potential or existing environmental justice areas, 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 and minority populations that may benefit from a variety of approaches for notification and outreach communication. This information is used to help encourage the community's involvement in the public process for environmental activities or actions. In this case, the activity is consideration of a Remediation Plan for a petroleum storage tank site.

Using the results of the EJSCREEN ACS Summary Report (see Attachment 1), there are 2,804 households within a 4-mile radius from the facility (i.e., affected community); the minority percentage for the affected community is 62 percent, with the Hispanic population accounting for 56 percent, American Indian four percent, Asian two percent, and the category "Two or More Races Alone" accounting for one percent of the minority population (for populations reporting one race). The percentage of persons that communicate in a language other than English (non-English) at home is 37 percent. The percent of linguistically isolated households is 11 percent. The per capita income for the affected community is \$19,686 as compared to the national per capita income of \$33,831. These results indicate that for the affected community, the percentage of Spanish language communication (23 percent) is considerable (although less than the state average of 26 percent, it exceeds the national average of 13.5 percent). Additionally, the EJ Screen report indicates that of the linguistically isolated households in the affected area, 78 percent speak Spanish.

It is important for the PSTB to consider the linguistic and communication needs of the affected community when providing notice of submission of Remediation Plans. Based on the EJSCREEN results and the Limited English Proficiency ("LEP") analysis (see Attachment 2), the PSTB will provide the same information in Spanish and English when conducting public outreach and participation activities, and when providing public notices and other announcements (brochures, signs, mailings, etc.) for the Phillips 66 Socorro site. The PSTB will strive to make public participation efforts as inclusive as possible within PSTB budget and time limitations.

For example, as much as possible, mass communication methods will be used in addition to public notices in appropriate newspapers or mailings, as many residents in the affected community may not have regular access to newspapers or daily postal service and may rely on publicly posted notices. Informational flyers that also describe public information repositories shall be posted front window of the Lee's Tire at 401 N. California St.) at the site.

## 5. Detailed Public Participation and Outreach Activities for Remediation Plan, Phillips 66 Socorro

The PSTB evaluates all public comments, places the comments in the administrative files for the remedial action, and incorporates public input into the PSTB's comments on Remediation Plans as appropriate.

The PSTB's plans for facilitating public participation in the remediation planning for the Phillips 66 Socorro site are detailed below.

### **Public Notice Requirements per Applicable Laws**

Paragraph 20.5.119.1923.D (10) NMAC of the Petroleum Storage Tank Regulations, as detailed below, addresses notices to be provided by the owner or operator (*for this state-lead site, the PSTB*) to the public regarding the submission of a Remediation Plan for public comment. This notice is provided prior to the submission of the Remediation Plan and informs the public that the PSTB will be reviewing the Plan. The PSTB will provide notice of the submission of a Remediation Plan in English and Spanish. Spanish-language notices will be translated from English into Spanish by a translator certified by the American Translators Association for English to Spanish translation.

The **bolded information in brackets** is responsive to the regulatory requirements *in italics* below.

*The owner/operator [for this state-lead site, the PSTB] is required to provide notice in the following manner:*

- (a) *owners and operators [the PSTB] shall publish a legal notice of the submission or planned submission of the final remediation plan at least twice in a paper of general circulation [Legal Section of the Classified Ads of the El Defensor Chieftain, Socorro, New Mexico News] in the county in which soil or water has been contaminated by the release; the first notice shall appear within one week of, but not later than, the day of submission of the final remediation plan to the department; the second publication of this notice shall occur no later than seven days after the date the remediation plan is submitted to the department, and owners and operators shall submit two certified affidavits of publication from the newspaper to the department within 21 days after the date the final remediation plan is submitted;*
- (b) *the notice shall contain the information specified in this section including the following:*
  - (i) *a statement that a remediation plan has been submitted to the department proposing actions to remediate a release of petroleum products;*
  - (ii) *the name and physical address of the site at which the release occurred and the names and physical addresses of properties where any part of the remediation system will be located, using adequate identification of the properties, including street addresses if applicable*

[401 N. California Street, Socorro, NM];

(iii) a statement that a copy of the remediation plan and all data and modeling related to the remediation plan, if applicable, can be viewed at the department's [PSTB's] main office [located at 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico 87505] and at the department's field office for the area in which the release occurred [1014 N. California Street, Socorro, NM]; and

(iv) a statement that public comments on the plan must be delivered, within 21 days of the publication of the second notice, to the owner or operator's [PSTB's] assigned project manager [Katherine MacNeil] at the petroleum storage tank bureau, New Mexico environment department, or a district office [NMED District 1 Albuquerque office located at 121 Tijeras Avenue NE, Suite 1000, Albuquerque, New Mexico 87102] if approved by the department, and to the secretary of the environment department;

(c) within seven days of the date a remediation plan is submitted to the department, owners and operators shall also mail by certified mail a copy of the legal notice [in English and Spanish] to adjacent property owners; and

(d) owners and operators shall post a notice [in English and Spanish] of the submission of the remediation plan at the release site within seven days of the submission of the remediation plan; the notice shall contain the information specified in this subsection and shall be at least 8.5 inches by 11 inches in size and prominently displayed in a location where it is likely to be seen by members of the public for a continuous period until the remediation plan is approved and implemented; public comments must be received by the Department within 21 days of the date of the second publication of the public notice;

### **Proposed Public Participation and Outreach Activities for Phillips 66 Socorro Site**

The PSTB will also perform the following public participation and outreach activities during the review phase of the planning process for the Phillips 66 Socorro remediation:

1. **Information Repository:** A copy of the Remediation Plan and the PIP will be made available for public review at the PSTB's main office at **2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico 87505** and at the NMED District 1 Albuquerque office located at **121 Tijeras Avenue NE, Suite 1000, Albuquerque, New Mexico 87102**. In addition, the Remediation Plan, the PIP, and all applicable data may be viewed at the following website:

<https://cloud.env.nm.gov/waste/pages/search.php?search=%21collection2849#>

2. **Electronic Posting of Public Notice:** The PSTB will post the notice and the PIP on the PSTB's portion of NMED's website ([https://www.env.nm.gov/petroleum\\_storage\\_tank/reports-and-lists/](https://www.env.nm.gov/petroleum_storage_tank/reports-and-lists/)). Electronically-posted notices will be provided in English and Spanish.

3. **Language Assistance Services:** Non-English speakers or readers will be directed in notices to call the PSTB contact listed in this PIP and request language assistance services, such as an interpreter, so they can learn more about the planning process. Services may be arranged by the PSTB for translation of documents, for interpreters, and for obtaining services for persons with disabilities. A phone-based interpretation service is available to the PSTB for speakers of languages other than English.

**Attachment 1: Preliminary Screening (EJSCREEN)**

## Public Outreach Preliminary Screen (EJSCREEN)

**Facility:** Phillips 66  
 Socorro  
 401 N. California Street, Socorro, NM  
**Location:** 87801  
**Buffer:** 4-mile  
 October 11,  
**Date:** 2019

Total population within 4-mile radius*:	9,282
Total population age 5+ years within 4-mile radius*:	8,817
Number of households within 4-mile radius*:	2,804
Per capita income within 4-mile radius*:	\$19,686
Per capita income, USA:	\$31,786
Percent minority population within 4-mile radius*(population reporting one race):	62%
Percent minority population by race within 4-mile radius*:	
Hispanic:	56%
Black Alone:	0%
American Indian Alone:	4%
Non-Hispanic Asian Alone:	2%
Pacific Islander Alone:	0%
Other Race Alone:	0%
Two or more races alone:	1%
<i>Sum:</i>	63%
Percent linguistically isolated households within 4-mile radius**:	11%
Percent linguistically isolated households by language within 4-mile radius:	
Spanish***:	78%
Other Indo-European languages:	6%
Other Asian-Pacific Island languages****:	4%
Other languages:	12%
<i>Sum:</i>	100%
Population age 5+ yrs. speaking English "less than very well" within 4-mile radius*:	12%

\*: From EJSCREEN ACS Summary Report

\*\* : 299 linguistically isolated households /2804 total households X 100 linguistically isolated households.

\*\*\*: 233 households /299 linguistically isolated households speak Spanish

\*\*\*\*: 12 households /299 linguistically isolated households speak Asian-Pacific Island Languages

Detail may not sum to total due to rounding.



## EJSCREEN ACS Summary Report



Location: User-specified point center at 34.060742, -106.892002

Ring (buffer): 4-mile radius

Description: Demographic Indicators for Phillips 66 Socorro

Summary of ACS Estimates		2012 - 2016		
Population				9,282
Population Density (per sq. mile)				190
Minority Population				5,778
% Minority				62%
Households				2,804
Housing Units				4,088
Housing Units Built Before 1950				416
Per Capita Income				19,686
Land Area (sq. miles) (Source: SF1)				48.79
% Land Area				100%
Water Area (sq. miles) (Source: SF1)				0.01
% Water Area				0%
		2012 - 2016 ACS Estimates	Percent	MOE (±)
<b>Population by Race</b>				
Total		9,282	100%	813
Population Reporting One Race		9,106	98%	1,717
White		7,970	86%	557
Black		15	0%	26
American Indian		360	4%	808
Asian		165	2%	163
Pacific Islander		0	0%	11
Some Other Race		596	6%	152
Population Reporting Two or More Races		176	2%	363
Total Hispanic Population		5,176	56%	466
Total Non-Hispanic Population		4,106		
White Alone		3,504	38%	438
Black Alone		13	0%	26
American Indian Alone		331	4%	808
Non-Hispanic Asian Alone		165	2%	163
Pacific Islander Alone		0	0%	11
Other Race Alone		20	0%	27
Two or More Races Alone		73	1%	363
<b>Population by Sex</b>				
Male		4,568	49%	432
Female		4,713	51%	503
<b>Population by Age</b>				
Age 0-4		465	5%	153
Age 0-17		2,223	24%	380
Age 18+		7,059	76%	435
Age 65+		1,379	15%	197

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) 2012 - 2016.



# EJSCREEN ACS Summary Report



Location: User-specified point center at 34 060742, -106 892002

Ring (buffer): 4-mile radius

Description: Demographic Indicators for Phillips 66 Socorro

	2012 - 2016 ACS Estimates	Percent	MOE (±)
<b>Population 25+ by Educational Attainment</b>			
<b>Total</b>	5,515	100%	429
Less than 9th Grade	486	9%	139
9th - 12th Grade, No Diploma	679	12%	176
High School Graduate	1,840	33%	192
Some College, No Degree	1,351	24%	297
Associate Degree	320	6%	78
Bachelor's Degree or more	1,159	21%	163
<b>Population Age 5+ Years by Ability to Speak English</b>			
<b>Total</b>	8,817	100%	735
Speak only English	5,529	63%	513
Non-English at Home <sup>1+2+3+4</sup>	3,288	37%	573
<sup>1</sup> Speak English "very well"	2,240	25%	416
<sup>2</sup> Speak English "well"	811	9%	217
<sup>3</sup> Speak English "not well"	179	2%	152
<sup>4</sup> Speak English "not at all"	57	1%	47
<sup>3+4</sup> Speak English "less than well"	236	3%	154
<sup>2+3+4</sup> Speak English "less than very well"	1,048	12%	229
<b>Linguistically Isolated Households*</b>			
<b>Total</b>	299	100%	62
Speak Spanish	233	78%	61
Speak Other Indo-European Languages	17	6%	11
Speak Asian-Pacific Island Languages	12	4%	11
Speak Other Languages	37	12%	36
<b>Households by Household Income</b>			
<b>Household Income Base</b>	2,804	100%	151
< \$15,000	597	21%	81
\$15,000 - \$25,000	366	13%	80
\$25,000 - \$50,000	944	34%	108
\$50,000 - \$75,000	396	14%	61
\$75,000 +	501	18%	113
<b>Occupied Housing Units by Tenure</b>			
<b>Total</b>	2,804	100%	151
Owner Occupied	1,653	59%	150
Renter Occupied	1,151	41%	96
<b>Employed Population Age 16+ Years</b>			
<b>Total</b>	7,225	100%	480
In Labor Force	3,446	48%	317
Civilian Unemployed in Labor Force	259	4%	83
Not In Labor Force	3,779	52%	320

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)

\*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 34.060742, -106.892002

Ring (buffer): 4-mile radius

Description: Demographic Indicators for Phillips 66 Socorro

	2012 - 2016 ACS Estimates	Percent	MOE (±)
<b>Population by Language Spoken at Home*</b>			
Total (persons age 5 and above)	4,957	100%	564
English	3,398	69%	427
Spanish	1,158	23%	308
French	64	1%	15
French Creole	N/A	N/A	N/A
Italian	N/A	N/A	N/A
Portuguese	N/A	N/A	N/A
German	0	0%	11
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	47	1%	61
Chinese	82	2%	113
Japanese	N/A	N/A	N/A
Korean	5	0%	11
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	0	0%	11
Other Asian	7	0%	11
Tagalog	0	0%	11
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	0	0%	11
Hebrew	N/A	N/A	N/A
African	N/A	N/A	N/A
Other and non-specified	151	3%	268
<b>Total Non-English</b>	<b>1,559</b>	<b>31%</b>	<b>707</b>

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) 2012 - 2016.  
 \*Population by Language Spoken at Home is available at the census tract summary level and up.



## EJSCREEN Report (Version 2018)



4 mile Ring Centered at 34.060742, -106.892002, NEW MEXICO, EPA Region 6

Approximate Population: 9,282

Input Area (sq. miles): 50.26

Phillips 66 Socorro

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
<b>Environmental Indicators</b>							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$ )	4.89	6.25	8	9.55	0	9.53	0
Ozone (ppb)	48.7	49.7	26	40.4	94	42.5	89
NATA <sup>*</sup> Diesel PM ( $\mu\text{g}/\text{m}^3$ )	0.158	0.473	29	0.721	<50th	0.938	<50th
NATA <sup>*</sup> Cancer Risk (lifetime risk per million)	28	32	32	42	<50th	40	<50th
NATA <sup>*</sup> Respiratory Hazard Index	0.78	1.4	26	1.8	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	130	290	55	320	57	600	55
Lead Paint Indicator (% Pre-1960 Housing)	0.19	0.19	65	0.18	69	0.29	49
Superfund Proximity (site count/km distance)	0.28	0.13	90	0.07	95	0.12	90
RMP Proximity (facility count/km distance)	0.0071	0.22	4	0.8	0	0.72	0
Hazardous Waste Proximity (facility count/km distance)	1.8	0.39	94	0.86	85	4.3	75
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.19	2.1	88	0.38	96	30	92
<b>Demographic Indicators</b>							
Demographic Index	59%	52%	61	44%	70	36%	80
Minority Population	62%	61%	50	51%	62	38%	75
Low Income Population	56%	43%	72	38%	76	34%	83
Linguistically Isolated Population	11%	5%	83	6%	79	4%	84
Population With Less Than High School Education	21%	15%	69	17%	68	13%	79
Population Under 5 years of age	5%	6%	39	7%	32	6%	40
Population over 64 years of age	15%	15%	55	13%	67	14%	59

\* 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](http://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.

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### EJSCREEN Report (Version 2018)



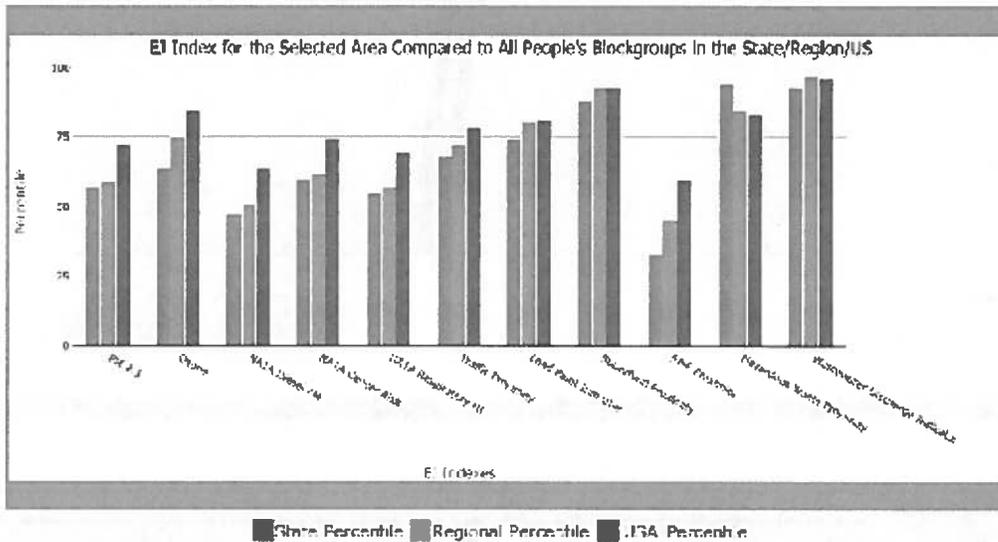
4 mile Ring Centered at 34.060742,-106.892002, NEW MEXICO, EPA Region 6

Approximate Population: 9,282

Input Area (sq. miles): 50.26

Phillips 66 Socorro

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
<b>EI Indexes</b>			
EI Index for PM2.5	57	59	72
EI Index for Ozone	64	75	84
EI Index for NATA <sup>®</sup> Diesel PM	47	51	64
EI Index for NATA <sup>®</sup> Air Toxics Cancer Risk	60	62	74
EI Index for NATA <sup>®</sup> Respiratory Hazard Index	55	57	69
EI Index for Traffic Proximity and Volume	68	72	78
EI Index for Lead Paint Indicator	74	80	81
EI Index for Superfund Proximity	88	93	93
EI Index for RMP Proximity	33	45	60
EI Index for Hazardous Waste Proximity	94	84	83
EI Index for Wastewater Discharge Indicator	93	97	96



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 93rd percentile nationwide, this means that only 3 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.

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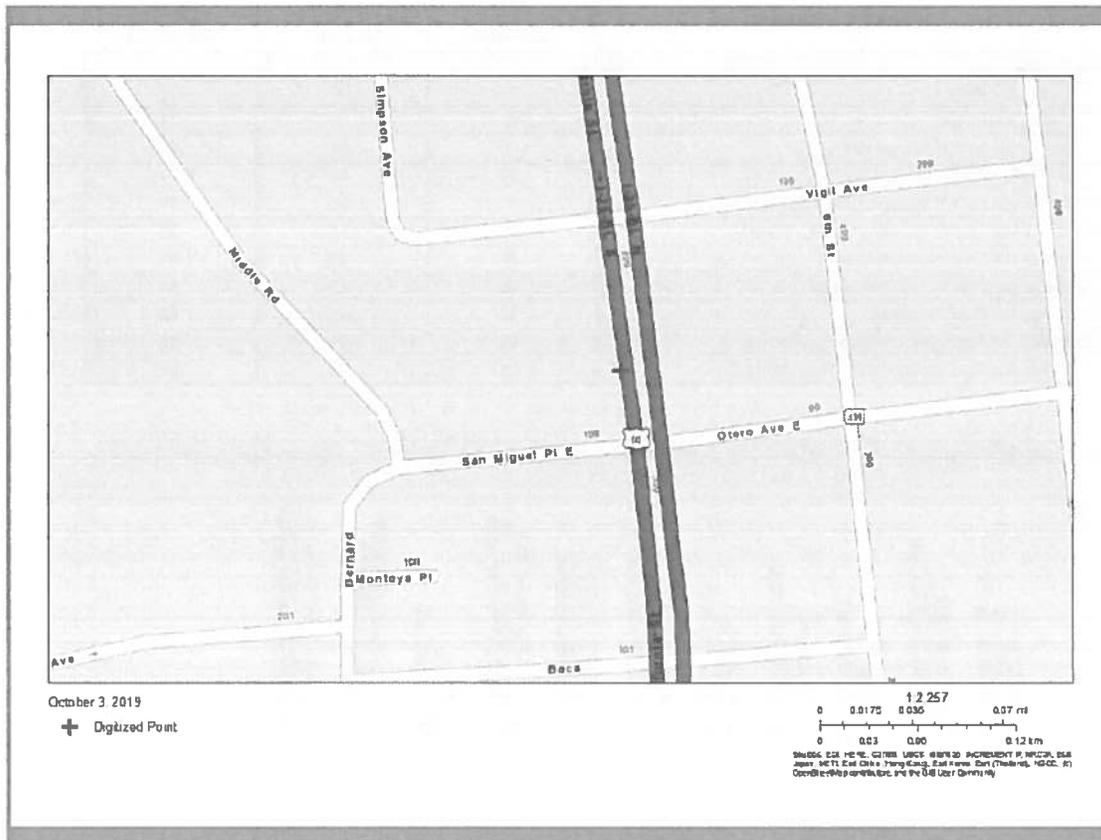


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Sites reporting to EPA	
Superfund NPL	1
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	2

## Limited English Proficiency (LEP) Assessment

### **Attachment 2: Limited English Proficiency Assessment**

## Limited English Proficiency ("LEP") Assessment

**Facility:** Phillips 66 Socorro  
**Location:** 401 N. California Street, Socorro, NM 87801  
**Buffer:** 4 miles  
**Date:** October 11, 2019

### **Factor 1: Number and Proportion of LEP Individuals Eligible to be Served or Likely to be Encountered in Community of Concern**

Percent linguistically isolated households within 4-mile radius*:	11%
Percent linguistically isolated households by language within 4-mile radius*:	
Spanish:	78%
Other Indo-European languages:	6%
Other Asian-Pacific Island languages	4%
Other languages	12%
<i>Sum:</i>	100%
Percent linguistically isolated population, New Mexico**:	11%
Percent linguistically isolated population, USA**:	4%
Population age 5+ yrs speaking English "less than very well" within 4-mile radius*:	12%

\*: From "EJSCREEN ACS Report"

\*\*: From "EJSCREEN Report (version 2018)"

#### **Conclusions:**

- 1) Proportion of LEP persons within four miles is the same as the statewide proportion and slightly more than the national proportion.
- 2) Spanish is the primary non-English language spoken by LEP persons.
- 3) Historical participation: Not applicable (new remediation plan notice).

### **Factor 2: Frequency with which LEP Individuals Come in Contact with the Program**

#### **Frequency Assessment ("frequent" / "occasional" / "not frequent")**

Not frequent

This determination is based on the fact that past public participation has been infrequent in response to notices of submissions for remediation plans.

**Factor 3: Nature or Importance of the Activity or Service Provided by the Program**

All Remediation Plans for PSTB sites are required by the NM Petroleum Storage Tank regulations to be made available for review prior to their finalization and implementation. The Remediation Plans are reviewed by the PSTB to assess compliance with regulatory requirements and to evaluate their technical adequacy. The Remediation Plan is approved after the PSTB's review is complete, any inadequacies are addressed, and the public comments are evaluated and addressed as appropriate.

The Remediation Plan review is deemed by the PSTB to be "important" to NMED, the affected community, and the State of New Mexico. Remediation Plan review is important to the NMED because it establishes site-specific requirements that must be met to ensure protection of public health, welfare, and the environment. Remediation Plan review is important to the affected community because poorly implemented or poorly operated remediation activities have the potential to pose a public nuisance and adversely affect the quality of life of people living in the vicinity of the leaking petroleum storage tank site. Remediation Plan review is important to the State of New Mexico because implementation of effective remedial actions ensures that leaking petroleum tank sites will have a limited impact on the State's vital groundwater resources.

**Factor 4: Resources Available to NMED and Associated Costs**

In accordance with regulatory requirements, the PSTB posts notices of submission in both English and Spanish and utilizes the services of a certified translator for creation of the Spanish-language notices. This translation cost is included in the Bureau's annual budget requests. As the need for additional translation/interpretation services has typically been limited, the PSTB is able to provide these additional services within budgetary constraints.

**LEP Services Plan**

The PSTB plans to provide notice of submission of Remediation Plans in both English and Spanish, which is consistent with statutory requirements and program practice and is appropriate based on the LEP analysis, as the majority of the LEP population speaks Spanish. The PSTB will provide further LEP services as requested.

