



Public Involvement Plan

For

WASTE ISOLATION PILOT PLANT (WIPP)

EPA ID#: NM4890139088

**Draft Permit to Incorporate the Class 3 Permit Modification to
Distinguish TRU Mixed Waste Disposal Volume Reporting**

Prepared by:

Hazardous Waste Bureau
New Mexico Environment Department
Santa Fe, New Mexico
July 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 the Waste Isolation Pilot Plant (WIPP) for a Class 3 permit modification to clarify the Transuranic (TRU) Mixed Waste Disposal Volume Reporting.

The WIPP facility is located 26 miles southeast of Carlsbad, New Mexico in a remote desert area where there exists a 2,000-foot-thick salt bed. Openings have been mined 2,150 feet underground near the middle of the salt formation. WIPP is a geologic repository mined within a bedded salt formation, which receives mixed hazardous and radioactive waste and is subject to permitting under the New Mexico Hazardous Waste Act (HWA) [Chapter 74, Article 4 NMSA 1978] which incorporates the requirements of the federal Resource Conservation and Recovery Act (RCRA).

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 Code of Federal Regulations (CFR) 270.42 and the New Mexico Hazardous Waste Management Regulations (HWMR) at 20.4.1.900 and 901 New Mexico Administrative Code (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 for WIPP by adhering to this PIP, which includes all the applicable policy, regulatory and statutory public participation requirements.

In developing this PIP, community participation needs were assessed to ensure public outreach by identifying whether a combination of environmental and demographic factors (i.e., low income, minority, limited English proficiency individuals, linguistically isolated households) that may impact participation needs. 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 modification 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 WIPP and after considering public comments and feedback. The Bureau will make the final approval of the PIP and any amendments.

II. Contacts

The Bureau contact for this permit request is:

Ricardo Maestas, WIPP Project Manager
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

Phone: (505) 476-6000

Fax: (505) 476-6030

E-mail: ricardo.maestas@state.nm.us

Hazardous Waste Bureau actions issued for public comment will include specific instruction 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 individuals 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, notices for public meetings and/or hearings 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 for 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 RCRA regulations at 40 CFR 270.42 require the public to be notified regarding permit applications, permit modifications, and the issuance of draft permits. Both the applicant and 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 a 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 the local, state, and federal government as may be applicable” as specified by 20.4.1.901.C(3) NMAC. 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 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 15-mile radius from the facility. This report, which is included as Appendix A to this PIP, indicated that there are 258 households within the 15-mile radius from the WIPP facility and the per capita income within the 15-mile radius is \$29,207. The U.S. per capita income is \$24,459. The percent of minority population within the radius was 8% and the percentage of population by race was 92% white (31% of the population listed as white is Hispanic), 0% Black, 0% American Indian, and 6% listed as Other. The percentage of linguistically isolated households within the 15-mile radius was approximately 2%. The portions of these households who spoke Spanish was 100%. The percentage of the population who were age 5+ who spoke English only or were able to speak English “very well” was approximately 95%. These results indicate that for the affected community, the percentage of persons who speak English “less than very well” is 5%, which is less than the state (10%) or national percentage (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 will provide the 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 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 WIPP that includes individuals and local, state, and federal government and tribal agencies interested in RCRA-related 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 after issuance of a public notice indicating the recipient is no longer at the listed address, the name may be removed from the 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) and The Carlsbad Current-Argus. There is no local Spanish Language newspaper in Southern New Mexico. Websites for these publications are listed below:

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

Carlsbad Current-Argus:
<http://www.currentargus.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 and the Carlsbad Current-Argus, broadcast as public service announcements on the radio, and posted on the HWB 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) NMAC. The fact sheet provides 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) NMAC. Fact sheets will also be made available for viewing at the HWB offices listed in Section XV below 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) NMAC. The Bureau is providing a 45-day comment period to allow the public an opportunity to comment on this Class 3 permit modification. 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 WIPP facility is located 26 miles southeast of Carlsbad, New Mexico in a remote desert area where there exists a 2,000-foot-thick salt bed. Openings have been mined 2,150 feet underground near the middle of the salt formation. The site is not accessible to the public; therefore, the contact with the public at the site is infrequent.

The Permittees held two public meetings during the comment period for this permit modification request. Since contact with the public regarding permit modification requests has been frequent, and therefore opportunity for members of the public with limited English proficiency has been available, the Bureau does not plan to hold an additional 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. The Bureau may use commercial radio announcements or informational broadcasts in both Spanish and English.

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 2905 Rodeo Park Drive East, Building 1 Santa Fe, New Mexico 87505-6303 Phone: (505) 476-6000 Monday – Friday: 8:00 a.m. to 5:00 p.m. Contact: Pam Allen	NMED- DOE Oversight Bureau 406 N. Guadalupe, Suite C Carlsbad, NM 88220 Phone: (575) 885-9023 Monday – Friday: 8:00 a.m. to 5:00 p.m. Contact: Makayla Viehweg
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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 will become a part of the administrative record, will be considered in formulating a final decision, and may cause the draft permit 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 have been changed in the final permit decision, and the reasons for the change. This response will be posted on the bureau's website and the bureau will notify all persons who have provided written comments.

After consideration of all written comments received, the Bureau will issue, or modify and issue, the permit. If the Bureau modifies and issues the permit, the Permittee will be provided by mail a copy of the modified permit and a detailed written statement of reasons for the modifications. The NMED Secretary will make the final agency 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 32.371368, -103.793523

Ring (buffer): 15-mile radius

Description:

Summary of ACS Estimates		2011 - 2015	
Population		1,261	
Population Density (per sq. mile)		4	
Minority Population		493	
% Minority		39%	
Households		472	
Housing Units		518	
Housing Units Built Before 1950		20	
Per Capita Income		29,207	
Land Area (sq. miles) (Source: SF1)		350.90	
% Land Area		100%	
Water Area (sq. miles) (Source: SF1)		0.43	
% Water Area		0%	
		2011 - 2015 ACS Estimates	Percent MOE (±)
Population by Race			
Total		1,261	100% 546
Population Reporting One Race		1,249	99% 846
White		1,164	92% 560
Black		0	0% 16
American Indian		6	0% 47
Asian		0	0% 16
Pacific Islander		7	1% 50
Some Other Race		72	6% 157
Population Reporting Two or More Races		11	1% 46
Total Hispanic Population		469	37% 339
Total Non-Hispanic Population		792	
White Alone		768	61% 429
Black Alone		0	0% 16
American Indian Alone		6	0% 47
Non-Hispanic Asian Alone		0	0% 16
Pacific Islander Alone		7	1% 50
Other Race Alone		2	0% 19
Two or More Races Alone		9	1% 45
Population by Sex			
Male		645	51% 339
Female		616	49% 304
Population by Age			
Age 0-4		79	6% 138
Age 0-17		272	22% 279
Age 18+		989	78% 442
Age 65+		178	14% 171

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 32.371368, -103.793523

Ring (buffer): 15-mile radius

Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	848	100%	340
Less than 9th Grade	28	3%	63
9th - 12th Grade, No Diploma	77	9%	137
High School Graduate	292	34%	218
Some College, No Degree	294	35%	230
Associate Degree	83	10%	115
Bachelor's Degree or more	158	19%	186
Population Age 5+ Years by Ability to Speak English			
Total	1,181	100%	495
Speak only English	941	80%	465
Non-English at Home ¹⁺²⁺³⁺⁴	240	20%	201
¹ Speak English "very well"	184	16%	189
² Speak English "well"	40	3%	88
³ Speak English "not well"	17	1%	52
⁴ Speak English "not at all"	0	0%	16
³⁺⁴ Speak English "less than well"	17	1%	52
²⁺³⁺⁴ Speak English "less than very well"	57	5%	101
Linguistically Isolated Households*			
Total	10	100%	42
Speak Spanish	10	100%	39
Speak Other Indo-European Languages	0	0%	16
Speak Asian-Pacific Island Languages	0	0%	16
Speak Other Languages	0	0%	16
Households by Household Income			
Household Income Base	472	100%	168
< \$15,000	28	6%	85
\$15,000 - \$25,000	38	8%	88
\$25,000 - \$50,000	90	19%	118
\$50,000 - \$75,000	98	21%	130
\$75,000 +	217	46%	218
Occupied Housing Units by Tenure			
Total	472	100%	168
Owner Occupied	397	84%	172
Renter Occupied	75	16%	108
Employed Population Age 16+ Years			
Total	1,000	100%	399
In Labor Force	702	70%	346
Civilian Unemployed in Labor Force	30	3%	67
Not In Labor Force	298	30%	217

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.

Location: User-specified point center at 32.371368, -103.793523

Ring (buffer): 15-mile radius

Description:

	2011 - 2015 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	1,181	100%	495
English	941	80%	473
Spanish	231	20%	184
French	0	0%	16
French Creole	0	0%	16
Italian	0	0%	16
Portuguese	0	0%	16
German	9	1%	52
Yiddish	0	0%	16
Other West Germanic	0	0%	16
Scandinavian	0	0%	16
Greek	0	0%	16
Russian	0	0%	16
Polish	0	0%	16
Serbo-Croatian	0	0%	16
Other Slavic	0	0%	16
Armenian	0	0%	16
Persian	0	0%	16
Gujarathi	0	0%	16
Hindi	0	0%	16
Urdu	0	0%	16
Other Indic	0	0%	16
Other Indo-European	0	0%	16
Chinese	0	0%	16
Japanese	0	0%	16
Korean	0	0%	16
Mon-Khmer, Cambodian	0	0%	16
Hmong	0	0%	16
Thai	0	0%	16
Laotian	0	0%	16
Vietnamese	0	0%	16
Other Asian	0	0%	16
Tagalog	0	0%	16
Other Pacific Island	0	0%	16
Navajo	0	0%	16
Other Native American	0	0%	16
Hungarian	0	0%	16
Arabic	0	0%	16
Hebrew	0	0%	16
African	0	0%	16
Other and non-specified	0	0%	16
Total Non-English	240	20%	685

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.



DP05

ACS DEMOGRAPHIC AND HOUSING ESTIMATES

2012-2016 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Tell us what you think. Provide feedback to help make American Community Survey data more useful for you.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

Subject	Eddy County, New Mexico			
	Estimate	Margin of Error	Percent	Percent Margin of Error
SEX AND AGE				
Total population	56,369	*****	56,369	(X)
Male	28,463	+/-141	50.5%	+/-0.2
Female	27,906	+/-141	49.5%	+/-0.2
Under 5 years	4,029	+/-62	7.1%	+/-0.1
5 to 9 years	3,904	+/-337	6.9%	+/-0.6
10 to 14 years	4,338	+/-353	7.7%	+/-0.6
15 to 19 years	3,892	+/-89	6.9%	+/-0.2
20 to 24 years	3,713	+/-61	6.6%	+/-0.1
25 to 34 years	7,655	+/-120	13.6%	+/-0.2
35 to 44 years	6,532	+/-136	11.6%	+/-0.2
45 to 54 years	7,130	+/-135	12.6%	+/-0.2
55 to 59 years	3,545	+/-329	6.3%	+/-0.6
60 to 64 years	3,699	+/-324	6.6%	+/-0.6
65 to 74 years	4,357	+/-99	7.7%	+/-0.2
75 to 84 years	2,734	+/-172	4.9%	+/-0.3
85 years and over	841	+/-169	1.5%	+/-0.3
Median age (years)	36.4	+/-0.4	(X)	(X)
18 years and over	41,601	+/-39	73.8%	+/-0.1
21 years and over	39,508	+/-257	70.1%	+/-0.5
62 years and over	10,145	+/-335	18.0%	+/-0.6
65 years and over	7,932	+/-122	14.1%	+/-0.2
18 years and over	41,601	+/-39	41,601	(X)
Male	20,932	+/-85	50.3%	+/-0.2
Female	20,669	+/-84	49.7%	+/-0.2
65 years and over	7,932	+/-122	7,932	(X)
Male	3,565	+/-57	44.9%	+/-0.6

Subject	Eddy County, New Mexico			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Female	4,367	+/-97	55.1%	+/-0.6
RACE				
Total population	56,369	*****	56,369	(X)
One race	55,579	+/-240	98.6%	+/-0.4
Two or more races	790	+/-240	1.4%	+/-0.4
One race	55,579	+/-240	98.6%	+/-0.4
White	51,182	+/-578	90.8%	+/-1.0
Black or African American	786	+/-62	1.4%	+/-0.1
American Indian and Alaska Native	704	+/-112	1.2%	+/-0.2
Cherokee tribal grouping	50	+/-76	0.1%	+/-0.1
Chippewa tribal grouping	0	+/-27	0.0%	+/-0.1
Navajo tribal grouping	133	+/-122	0.2%	+/-0.2
Sioux tribal grouping	0	+/-27	0.0%	+/-0.1
Asian	258	+/-148	0.5%	+/-0.3
Asian Indian	35	+/-67	0.1%	+/-0.1
Chinese	0	+/-27	0.0%	+/-0.1
Filipino	49	+/-55	0.1%	+/-0.1
Japanese	8	+/-15	0.0%	+/-0.1
Korean	20	+/-37	0.0%	+/-0.1
Vietnamese	143	+/-173	0.3%	+/-0.3
Other Asian	3	+/-5	0.0%	+/-0.1
Native Hawaiian and Other Pacific Islander	54	+/-64	0.1%	+/-0.1
Native Hawaiian	0	+/-27	0.0%	+/-0.1
Guamanian or Chamorro	31	+/-47	0.1%	+/-0.1
Samoa	23	+/-44	0.0%	+/-0.1
Other Pacific Islander	0	+/-27	0.0%	+/-0.1
Some other race	2,595	+/-556	4.6%	+/-1.0
Two or more races	790	+/-240	1.4%	+/-0.4
White and Black or African American	73	+/-70	0.1%	+/-0.1
White and American Indian and Alaska Native	213	+/-103	0.4%	+/-0.2
White and Asian	237	+/-156	0.4%	+/-0.3
Black or African American and American Indian and Alaska Native	22	+/-24	0.0%	+/-0.1
Race alone or in combination with one or more other races				
Total population	56,369	*****	56,369	(X)
White	51,863	+/-585	92.0%	+/-1.0
Black or African American	925	+/-73	1.6%	+/-0.1
American Indian and Alaska Native	1,025	+/-158	1.8%	+/-0.3
Asian	528	+/-59	0.9%	+/-0.1
Native Hawaiian and Other Pacific Islander	94	+/-77	0.2%	+/-0.1
Some other race	2,762	+/-567	4.9%	+/-1.0
HISPANIC OR LATINO AND RACE				
Total population	56,369	*****	56,369	(X)
Hispanic or Latino (of any race)	26,318	*****	46.7%	*****
Mexican	23,795	+/-632	42.2%	+/-1.1
Puerto Rican	195	+/-144	0.3%	+/-0.3
Cuban	132	+/-149	0.2%	+/-0.3
Other Hispanic or Latino	2,196	+/-626	3.9%	+/-1.1
Not Hispanic or Latino	30,051	*****	53.3%	*****
White alone	27,817	+/-38	49.3%	+/-0.1
Black or African American alone	786	+/-62	1.4%	+/-0.1
American Indian and Alaska Native alone	669	+/-98	1.2%	+/-0.2
Asian alone	258	+/-148	0.5%	+/-0.3
Native Hawaiian and Other Pacific Islander alone	54	+/-64	0.1%	+/-0.1

Subject	Eddy County, New Mexico			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Some other race alone	33	+/-38	0.1%	+/-0.1
Two or more races	434	+/-169	0.8%	+/-0.3
Two races including Some other race	0	+/-27	0.0%	+/-0.1
Two races excluding Some other race, and Three or more races	434	+/-169	0.8%	+/-0.3
Total housing units	23,428	+/-83	(X)	(X)
CITIZEN, VOTING AGE POPULATION				
Citizen, 18 and over population	39,745	+/-441	39,745	(X)
Male	19,918	+/-291	50.1%	+/-0.5
Female	19,827	+/-299	49.9%	+/-0.5

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

For more information on understanding race and Hispanic origin data, please see the Census 2010 Brief entitled, Overview of Race and Hispanic Origin: 2010, issued March 2011. (pdf format)

While the 2012-2016 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2012-2016 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.



S1601

LANGUAGE SPOKEN AT HOME

2006-2010 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, for 2010, the 2010 Census provides the official counts of the population and housing units for the nation, states, counties, cities and towns. For 2006 to 2009, the Population Estimates Program provides intercensal estimates of the population for the nation, states, and counties.

Subject	United States						New Mexico	
	Total		Percent of specified language speakers				Total	
			Speak English "very well"		Speak English less than "very well"			
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Population 5 years and over	283,833,852	+/-4,301	91.3%	+/-0.1	8.7%	+/-0.1	1,869,822	+/-421
Speak only English	79.9%	+/-0.1	(X)	(X)	(X)	(X)	64.0%	+/-0.3
Speak a language other than English	20.1%	+/-0.1	56.7%	+/-0.1	43.3%	+/-0.1	36.0%	+/-0.3
Spanish or Spanish Creole	12.5%	+/-0.1	53.9%	+/-0.1	46.1%	+/-0.1	28.5%	+/-0.2
Other Indo-European languages	3.7%	+/-0.1	67.6%	+/-0.1	32.4%	+/-0.1	1.2%	+/-0.1
Asian and Pacific Island languages	3.1%	+/-0.1	51.9%	+/-0.1	48.1%	+/-0.1	0.9%	+/-0.1
Other languages	0.8%	+/-0.1	69.5%	+/-0.3	30.5%	+/-0.3	5.4%	+/-0.1
SPEAK A LANGUAGE OTHER THAN ENGLISH								
Spanish or Spanish Creole	35,470,765	+/-54,404	53.9%	+/-0.1	46.1%	+/-0.1	532,568	+/-4,494
5-17 years	8,182,989	+/-23,084	74.7%	+/-0.2	25.3%	+/-0.2	94,919	+/-2,369
18-64 years	24,907,014	+/-34,908	48.8%	+/-0.1	51.2%	+/-0.1	362,750	+/-3,126
65 years and over	2,380,762	+/-5,343	36.3%	+/-0.2	63.7%	+/-0.2	74,899	+/-842
Other Indo-European languages	10,393,671	+/-39,933	67.6%	+/-0.1	32.4%	+/-0.1	22,101	+/-1,498
5-17 years	1,490,663	+/-10,448	80.9%	+/-0.3	19.1%	+/-0.3	1,961	+/-367
18-64 years	7,093,221	+/-27,053	67.8%	+/-0.2	32.2%	+/-0.2	15,571	+/-1,106
65 years and over	1,809,787	+/-11,585	56.0%	+/-0.3	44.0%	+/-0.3	4,569	+/-572
Asian and Pacific Island languages	8,902,093	+/-26,398	51.9%	+/-0.1	48.1%	+/-0.1	16,742	+/-873
5-17 years	1,266,881	+/-9,201	72.9%	+/-0.3	27.1%	+/-0.3	2,628	+/-335

Source: U.S. Census Bureau, 2006-2010 American Community Survey

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

Subject	New Mexico			
	Percent of specified language speakers			
	Speak English "very well"		Speak English less than "very well"	
	Estimate	Margin of Error	Estimate	Margin of Error
Population 5 years and over	90.2%	+/-0.2	9.8%	+/-0.2
Speak only English	(X)	(X)	(X)	(X)
Speak a language other than English	72.7%	+/-0.5	27.3%	+/-0.5
Spanish or Spanish Creole	71.0%	+/-0.6	29.0%	+/-0.6
Other Indo-European languages	83.4%	+/-1.9	16.6%	+/-1.9
Asian and Pacific Island languages	57.1%	+/-3.1	42.9%	+/-3.1
Other languages	82.2%	+/-1.1	17.8%	+/-1.1
SPEAK A LANGUAGE OTHER THAN ENGLISH				
Spanish or Spanish Creole	71.0%	+/-0.6	29.0%	+/-0.6
5-17 years	80.7%	+/-1.3	19.3%	+/-1.3
18-64 years	69.5%	+/-0.8	30.5%	+/-0.8
65 years and over	65.8%	+/-1.1	34.2%	+/-1.1
Other Indo-European languages	83.4%	+/-1.9	16.6%	+/-1.9
5-17 years	81.5%	+/-7.2	18.5%	+/-7.2
18-64 years	84.4%	+/-2.4	15.6%	+/-2.4
65 years and over	80.9%	+/-3.7	19.1%	+/-3.7
Asian and Pacific Island languages	57.1%	+/-3.1	42.9%	+/-3.1
5-17 years	74.6%	+/-6.3	25.4%	+/-6.3
18-64 years	55.4%	+/-3.7	44.6%	+/-3.7
65 years and over	40.1%	+/-6.9	59.9%	+/-6.9
Other languages	82.2%	+/-1.1	17.8%	+/-1.1
5-17 years	90.9%	+/-2.5	9.1%	+/-2.5
18-64 years	85.3%	+/-1.2	14.7%	+/-1.2
65 years and over	50.8%	+/-2.8	49.2%	+/-2.8
PERCENT IMPUTED				
Language status	(X)	(X)	(X)	(X)
Language status (speak a language other than English)	(X)	(X)	(X)	(X)
Ability to speak English	(X)	(X)	(X)	(X)

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

While the 2006-2010 American Community Survey (ACS) data generally reflect the December 2009 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2000 data. Boundaries for urban areas have not been updated since Census 2000. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Subject	United States						New Mexico	
	Total		Percent of specified language speakers				Total	
			Speak English "very well"		Speak English less than "very well"			
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
18-64 years	6,645,668	+/-18,567	51.6%	+/-0.2	48.4%	+/-0.2	12,739	+/-684
65 years and over	989,544	+/-4,832	27.6%	+/-0.4	72.4%	+/-0.4	1,375	+/-185
Other languages	2,328,844	+/-19,746	69.5%	+/-0.3	30.5%	+/-0.3	101,267	+/-2,267
5-17 years	412,591	+/-6,829	79.9%	+/-0.5	20.1%	+/-0.5	16,485	+/-949
18-64 years	1,717,420	+/-14,082	69.2%	+/-0.3	30.8%	+/-0.3	72,994	+/-1,610
65 years and over	198,833	+/-3,223	51.4%	+/-0.8	48.6%	+/-0.8	11,788	+/-333
PERCENT IMPUTED								
Language status	2.7%	(X)	(X)	(X)	(X)	(X)	2.6%	(X)
Language status (speak a language other than English)	2.5%	(X)	(X)	(X)	(X)	(X)	2.4%	(X)
Ability to speak English	3.4%	(X)	(X)	(X)	(X)	(X)	2.8%	(X)