COMMUNITY IMPACT ASSESSMENT

SOLID WASTE FACILITY PERMIT APPLICATION

Broadway Transfer Station

Albuquerque, Bernalillo County, New Mexico

March 2025

Prepared for:

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EXECUTIVE SUMMARY

This Community Impact Assessment (CIA) was conducted for the Universal Waste Systems Broadway Transfer Station (BTS) at the requirement of the New Mexico Environment Department (NMED, October 3, 2024). The study area was defined by NMED as within a four-mile radius of the BTS. The CIA presents an assessment of individual and cumulative impacts of the BTS, other existing development and other planned development submitted to a local government related to land use, historical and cultural resources, visual and scenic resources, air quality (including odors and dust), socioeconomics and environmental justice (including population, demographic profile, education, age, language, occupational profile and household income), transportation, unavoidable adverse environmental impacts and analysis of short-, intermediate-and long-term effects of the BTS.

As part of the new permitted operation as a Transfer Station, Universal Waste will develop a 25,000 square-foot enclosed transfer station waste handling area in the eastern portion of the property, along with associated access roads and supporting infrastructure. Surface street solid waste collection vehicles will transport solid waste to the BTS, where it will be consolidated and compacted into larger, highway trailers for transport to local landfills. This will minimize the number of trucks that travel to local landfills, with associated benefits for traffic and air emissions. The BTS will process an average of 800 tons per day of residential and commercial solid waste, with a maximum processing rate of 1,200 tons per day. The facility will accept waste only from municipal and commercial haulers. The facility will not accept recyclables, construction and demolition debris, clean fill, liquid waste, or special waste.

Potential impacts related to the project were evaluated for land use, cultural and historic resources, visual and scenic resources, air quality, socioeconomics, and transportation. The analysis determined that no impacts are anticipated for land use or cultural/historic resources in the study area.

Short-term minor adverse impacts related to construction of the Facility were identified for air quality and transportation resources. The construction may result in increased dust generation, noise, and additional emissions from heavy equipment which are working the construction. Dust generation may increase from earth-moving operations required for establishing the base for access roads and facility structures. Noise will also be increased during construction operations resulting from the heavy equipment and construction operations. Air quality may be impacted by the production of equipment and vehicular emissions including greenhouse gases, ozone, nitrogen dioxides (NOx), particulate matter (PM), and Volatile Organic Compounds (VOCs). These impacts will be minimized through the use of best-management practices including construction to minimize dust generation, by operating only during daylight hours so as to minimize traffic and construction noise for residents in the area, and by complying with all requirements from local and state transportation agencies to ensure adequate infrastructure (turning lanes, signage, etc.) is in-place to minimize traffic congestion or danger related to vehicles entering and exiting the facility.

Short-term beneficial impacts will include economic and employment benefits resulting from the need for construction labor/jobs and material purchases associated with the development of the property, which represents several million dollars of investment

Intermediate and long-term minor adverse impacts were also identified and consist of air quality, transportation/traffic, and visual and scenic resource impacts in proximity to the BTS. The establishment of the BTS will result in an approximate 2% increase in traffic in the immediate area resulting from waste

collection vehicles and private and commercial vehicles entering the area to deliver materials to the Facility. The increase in traffic will result in an increase in vehicle emissions and may impact the local air quality. The BTS will also result in minor adverse impacts to visual and scenic resources by partially obstructing views of the Sandia Mountain Front from a viewing angle south of the BTS, looking northeast. The impact will be limited to a very narrow viewing angle and will not impact any permanent residences or institutions. Intermediate and long-term impacts will be mitigated by ensuring all access roads to the Facility are paved to minimize dust generation, by handling of all solid waste material within the transfer station structure to minimize odors, and by ensuring the Facility is well-maintained and tidy to minimize impacts to visual and scenic resources. Traffic impacts will be mitigated by operating only within daylight hours to minimize noise for residents and by ensuring compliance with all local and state transportation agencies.

Intermediate and long-term beneficial impacts will include economic and employment benefits resulting from the development of the BTS. The BTS is expected to employee approximately 40 full-time employees from within the local area, which provides additional employment opportunities and benefits the local economy.

The BTS will also have an intermediate and long-term beneficial impact to air quality and transportation/traffic within the larger region. The operation of the Facility will result in a net decrease in equipment miles driven to handle solid waste materials in the area, and has the potential to decrease carbon dioxide emissions from transport equipment by 18-22% from existing operations. The number of vehicles travelling to area landfills will also be decreased as material will be transported in larger, more efficient transport vehicles.

COMMUNITY IMPACT ASSESSMENT
BROADWAY TRANSFER STATION SOLID WASTE FACILITY PERMIT APPLICATION

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1.0 INTRODUCTION

This Community Impact Assessment (CIA) was conducted for the Universal Waste Systems Broadway Transfer Station (BTS) at the requirement of the New Mexico Environment Department (NMED, October 3, 2024). The study area was defined by NMED as within a four-mile radius of the BTS. The CIA presents an assessment of individual and cumulative impacts of the BTS, other existing development and other planned development submitted to a local government related to land use, historical and cultural resources, visual and scenic resources, air quality (including odors and dust), socioeconomics and environmental justice (including population, demographic profile, education, age, language, occupational profile and household income), transportation, unavoidable adverse environmental impacts and analysis of short-, intermediate-and long-term effects of the BTS. For reference, "impact" is defined by the NM Solid Waste Rules as a present or future effect on the environment or the health of residents of a community (20.9.2.7.I.1 NMAC).

The Broadway Transfer Station is owned and operated by Universal Waste Systems, Inc. (UWS). The Broadway Transfer Station is located at 5520 Broadway Boulevard SE in the southeast industrial area of Albuquerque, Bernalillo County, New Mexico. A vicinity map illustrating the proposed facility location is included as Figure 1. The location of the proposed BTS relative to governmental entities and municipalities within a 10-mile radius is included as Figure 2.

1.1 Current Facility Operations

The BTS property is currently utilized as Universal Waste Systems New Mexico Headquarters, with an administrative office and equipment maintenance and storage yard. The administrative office and maintenance area consists of a 7,600 square foot two-story building with parking area and is located in the western portion of the property. The equipment storage areas compose the central and eastern portions of the property and consist of an open, graveled area used to store solid waste dumpsters, roll-offs, and collection and transport equipment.

1.2 Proposed Facility Operations

As part of the new permitted operation as a Transfer Station, Universal Waste will develop a 25,000 square-foot enclosed transfer station waste handling area in the eastern portion of the property, along with associated access roads and supporting infrastructure. Surface street solid waste collection vehicles (average volume 35 cubic yards) will transport solid waste to the BTS, where it will be consolidated and compacted into larger, highway trailers (average volume 140 cubic yards) for transport to local landfills. This will minimize the number of trucks that travel to local landfills, with associated benefits for traffic and air emissions. The BTS will process an average of 800 tons per day of residential and commercial solid waste, with a maximum processing rate of 1,200 tons per day. Solid waste will be transported to the City of Albuquerque Cerro Colorado Landfill or Sandoval County Landfill in Rio Rancho, New Mexico for

disposal. The facility will accept waste only from municipal and commercial haulers. The facility will not accept recyclables, construction and demolition debris, clean fill, liquid waste, or special waste.

2.0 NEED FOR THE PROJECT

Southern Bernalillo County currently does not have any transfer stations in operation that allow for collection and consolidation of solid waste from commercial hauling services. As illustrated by Figure 3, which is a map of solid waste facilities in Bernalillo County and surrounding areas, only three convenience center facilities are present throughout the Albuquerque metropolitan area and these facilities do not accept waste from large commercial haulers or allow for consolidation of large scale solid waste collection. As such, solid waste collected from the area is transported by collection vehicles to several different landfills in the region, which can be inefficient and lead to increased wear on collection equipment. The permitting of the BTS will provide a relatively central collection point to allow materials to be consolidated and transported by larger hauling vehicles to area landfills. This will result in fewer vehicles making the trip to landfills and reduce traffic impacts and vehicle emissions.

3.0 LAND USE

3.1 Description

The facility location is shown on Figure 1. The property is zoned "M-1" which is "Light Industrial" as shown in Figure 4, Property and Zoning Map. The property has an approved Special Use Permit for a Technical Operation (Solid Waste Transfer Station), CSU2019-0014, dated November 8, 2019. The land use for a transfer station is consistent with the adjacent properties, which include a trucking operation to the north, an undeveloped lot to the south, Interstate 25 to the east, and a towing and recovery business to the west, across Broadway Boulevard SE.

Land uses in the study area as defined by Bernalillo County and City of Albuquerque zoning requirements are shown on Figure 5. Major land uses for the study area are, in order of area covered from largest to smallest, planned community (Mesa del Sol), open space, rural agricultural, manufacturing, residential, and utilities and transportation (related to the Albuquerque International Sunport). Also shown on Figure 4 are schools, hospitals, institutions (which include higher education and vocational training facilities), churches, and areas with permanent residences (20.9.4.12.B NMAC). The nearest facilities to the BTS are:

- School: Mountain View Elementary, 0.75 miles northwest
- Hospital: PRESNow Urgent Care, 2.5 miles northwest
- Institution: JB CDL Training School, 0.32 miles northeast
- Church: Franciscan Church, 1.9 miles northwest
- Residence: Mountain View Community, 0.6 miles west

3.2 Development Plans

Proposed development plans and projects within the study area were identified through review of publicly available funding and planning information for the City of Albuquerque, Bernalillo County, and New Mexico Department of Transportation (NMDOT). Infrastructure improvement and planning/development projects currently underway or proposed for completion, in order of proximity to the BTS, are detailed below.

3.2.1 Bernalillo County Mountain View Roadway and Drainage Improvements Project

The Bernalillo County Mountain View Roadway and Drainage improvements will include roadway and drainage improvements for the area bounded by Rio Bravo Boulevard to the north, the South Diversion Channel to the south and east, and the Barr Main Canal to the west. Design for the project has been completed, and the construction will be completed over four phases which will be implemented as funding becomes available. Construction on phase 1A is expected to begin in 2025. The southern (nearest) extent of the project is located 0.5 miles northwest of the BTS facility.

3.2.2 Bernalillo County Second Street SW Corridor Phase 2 Improvements Project

The Second Street Corridor Phase I Improvement Project will include the second phase of proposed pedestrian, bicycle, and roadway improvements along 2nd St SW. between Rio Bravo Boulevard SW and the South Diversion Channel. Improvements will include resurfacing, new sidewalks, construction of curb and gutter to improve drainage, and installation of lighting, as well as improvements to pedestrian and bike infrastructure over the South Diversion Channel. A public meeting was held in 2022, but no estimates are available on future phases of the project. The southern extent of the project is located 0.5 miles northwest of the BTS facility.

3.2.3 Bernalillo County Rio Bravo & Second Street Intersection Project

The Rio Bravo/Second Street Intersection Project will include repaving and the addition of a through lane in each travel direction along Rio Bravo Blvd. Construction on the project began in January 2025 and is expected to be completed in early 2026. The project is located two miles northwest of the BTS facility.

3.2.4 Bernalillo County Barcelona Road Storm Drain Project

The Barcelona Road Storm Drain Project consists of road and drainage improvements for Barcelona Road from the Armijo Drain to the Isleta Drain to improve runoff capture and connect to the Armijo Drain. In addition to drainage, roadway improvements will also be completed, consisting of bicycle lanes, curb and gutter, and sidewalk (on the north side of Barcelona) to provide a safe roadway corridor. The project is located along Barcelona Road and adjacent side roads, and extends from the intersection with Coors Blvd. approximately one mile east to Barboa Road. The project is approximately 3.25 miles northwest of the BTS facility. Construction for the initial phase has been completed, and Phase 2B is expected to begin in late 2026.

3.2.5 Bernalillo County Coors Boulevard SW Safety Project

The South Coors Boulevard SW Safety Project will improve safety features for multi-modal users along Coors Boulevard stretching from Blake Road to Gun Club Road. The southern extent of the project is approximately 3.75 miles northwest of the BTS facility. The design phase of the project is expected to be completed by August 2025, with construction beginning in early 2026.

3.2.6 Bernalillo County South Coors Boulevard Sector Development Plan

The South Coors Corridor Sector Development Plan is intended to create new mixed-use centers along a major transit corridor and within walking distance of nearby neighborhoods. The project area includes the

Coors Blvd. corridor beginning at Bridge Blvd., running approximately four miles south to Gun Club Drive. The southern extent of the project is approximately 3.75 miles northwest of the BTS. The plan will include proposed zoning changes to allow for a higher intensity mix of commercial and residential uses in the area. The project planning phase is expected to be completed in Summer of 2025.

3.2.7 Bernalillo County Isleta Boulevard Reconstruction Phase 1

The Isleta Boulevard Reconstruction Project, Phase 1 will involve a full re-design and reconstruction of the Isleta Blvd. corridor for the 0.75-mile stretch of road between Malpais Road and Luchetti Road. The project will include full roadway reconstruction, the addition of bike lanes, curb and gutter, landscape buffers, sidewalk, driveways, intersection lighting and storm drain infrastructure. The design phase of the project is expected to conclude in late 2025, with construction anticipated to begin in early 2026. The project is located 3.75 miles southwest of the BTS facility.

3.2.8 City of Albuquerque University Boulevard (Mesa del Sol) NTMP

The City of Albuquerque University Boulevard Neighborhood Traffic Management Program (NTMP) consists of a study meant to evaluate traffic calming improvements for University Blvd. within the Mesa del Sol development area. The project is in pre-design phase with no estimate on completion or construction schedule. The project is located two miles east of the BTS facility.

3.2.9 NMDOT NM 500 Rio Bravo Bridge Replacement (Control No. A301000)

The New Mexico Department of Transportation (NMDOT) is preparing to replace the east- and west-bound bridges on NM Highway 500 (Rio Bravo Boulevard) spanning the Rio Grande in Albuquerque within Bernalillo County. The Project Area is located approximately three miles from the BTS facility on NM 500 between NM Highway 314 (Isleta Boulevard SW) and NM Highway 303 (2nd Street SW). Rio Bravo Boulevard is a critical east-west route in Albuquerque's South Valley and is one of seven Rio Grande crossings in the Albuquerque metro area. The purpose and need for this project is to address structural deficiencies while also reducing congestion and improving multi-modal transportation system connectivity within the project limits. The project is currently in the study and design phase with no estimate on the construction schedule.

3.3 Individual Impacts

The proposed facility land use is consistent with the approved zoning and special use permit and will not result in any changes to land use in adjacent properties. Use of the property as a transfer station is not anticipated to impact land use in the study area.

4.0 HISTORICAL AND CULTURAL RESOURCES

4.1 Transfer Station Site

A cultural resources survey of the site was conducted on August 9, 2022 by Townsend Archaeological Consultants, which is a qualified, state permitted archaeologist. The report is included in Attachment 16 of the solid waste facility permit application. The summary of the report stated that no cultural resources were located during the inventory (negative survey).

4.2 Study Area

Historical and cultural resources within the study area are shown on Figure 6, based on a review of the *National Park Service - National Register of Historic Places* (Public GIS Database, accessed October 2024). The only site noted within the study area is the Old Albuquerque Municipal Airport Building, which is located approximately 3.8 miles from the BTS facility.

4.3 Individual Impacts

Given that the facility contains no cultural resources, and the large distance between the BTS facility and the single noted historical and cultural resource within the study area, use of the property as a transfer station is not anticipated to impact historical and cultural resources.

5.0 VISUAL AND SCENIC RESOURCES

5.1 Transfer Station Site and Adjacent Properties

The BTS property is currently in use as an administrative office equipment yard with a two-story office and maintenance structure and open equipment yard. The development of the property as a transfer station would include construction of a 25-foot high, 25,000 square-foot enclosed waste handling area which would be visible from Broadway Blvd (NM-47) and partially visible from Interstate 25. Photographs of the existing Universal Waste Systems property and adjacent facilities, keyed to Figure 7, are included as Attachment 1, Photos 2 and 3.

The height of the proposed facility is limited to 25 feet and is generally consistent with the construction and footprints of other facilities located adjacent to the west and southwest. An existing communications tower, with a height of more than 50 feet, is already present on the southern, adjacent property which has potential to have a more significant impact to landform and the scenic resources in the area of the BTS property (Attachment 1, Photos 2, 10, 11).

5.2 Study Area

Visual and scenic resources within the study area are illustrated on Figure 7. The most significant resources within the study area within four miles of the BTS consist of the Rio Grande open space area, Valle del Oro National Wildlife Refuge, and open, undeveloped desert landscape to the east of the property. Views of the Sandia and Manzano Mountains, although located outside of the study area, are also a significant scenic and visual resource for residents of Bernalillo County. Photographs of landscapes and views from locations within the Study area are included as Attachment 1, and keyed to locations indicated on Figure 7.

The BTS development will not impact views of the Valle de Oro or Rio Grande Bosque from Broadway Blvd. looking west as the BTS is located on the eastern side of the corridor, away from the resources. The BTS will also not impact scenic resources from travelers on Interstate 25 as the topography in the immediate vicinity of the BTS already partially obstructs and limits views of the Rio Grande Valley (Attachment 1, Photos 8-11).

The outline of the transfer station building may affect the ability to view the Sandia Mountains from south of the property looking northeast (Attachment 1, Photo 2). The topography of the area slopes upward to the east and partially obscures views of the mountain front, and existing buildings and infrastructure

already present in the area also partially obstruct views of landforms. However, when viewed from a narrow range to the south of the BTS facility, the transfer station building may obstruct views.

5.3 Individual Impacts

The development of the BTS will have a minor short, intermediate, and long-term adverse impact to visual resources of landforms as viewed areas in the immediate proximity to the BTS Facility. The proposed facility building, although consistent in construction to other facilities in the area and limited to a height of 25-feet, has the potential to impact views of the landscape and mountain front as viewed from Broadway Blvd. south of the Facility, looking northeast. This impact is very limited in extent, and given the industrial and manufacturing uses of properties in the immediate area of the BTS as well as the overall urbanized landscape of southern Albuquerque and Bernalillo County, will not impact a significant portion of the population.

No additional impacts proximal to the BTS or within the greater Study Area are expected. All solid waste materials will be handled within the enclosed transfer station building and not be visible to surrounding properties or area. An existing communications tower, with a height of more than 50 feet, is already present on the southern, adjacent property which has potential to have a more significant impact to landform and the scenic resources in the area of the BTS property (Attachment 1, Photos 2, 10, 11).

6.0 AIR QUALTY INCLUDING ODORS AND DUST

The development of the BTS is expected to have minor short-term adverse impacts on air quality during construction, but a long-term overall minor beneficial impact to regional air quality during operation by reducing emissions required to transport solid waste material to area landfills.

6.1 Short Term Impacts

The construction of the BTS facility will have potential for minor, short-term adverse impacts to air quality during construction as a result of earthmoving and heavy equipment that may generate dust and produce vehicle emissions. The generation of dust will be mitigated through the use of best management practices during construction, including wetting roads and work areas. Heavy equipment operating during construction will generate additional emissions in the short term. However, given the existing traffic along Broadway Blvd. and Interstate 25, adjacent to the west and east, respectively, the additional emissions will be negligible.

6.2 Intermediate and Long Term Impacts

The day-to-day operation of the BTS facility will have a negligible adverse impact to dust and odors in the area, which will be mitigated through best management practices, and a net minor beneficial impact to air quality in the region by the overall reduction of vehicle emissions.

Dust impacts may arise from vehicular traffic generating dust while traveling over unpaved surfaces on the facility, or from particulates resulting from unloading of waste materials at the transfer station. These impacts will be mitigated by the design of the Facility, which specifies that all entry and exit roads will be paved, thus minimizing dust from vehicular traffic, and by handling all waste material within the transfer station enclosure, which will minimize the potential for dust to leave the property boundary. Given the

best management practices which will be utilized at the BTS, dust impacts to surrounding areas are expected to be fully mitigated and therefore no impact is anticipated.

Odor impacts may arise from solid waste material handled at the Facility, which may have unpleasant odor. Odor impacts will be mitigated by handling all solid waste within the enclosed transfer station structure, which will minimize potential for odors to leave the property boundary, and by ensuring no solid waste is stored for extended periods of time prior to transfer. Given the best management practices which will be utilized at the BTS, odor impacts to surrounding areas are expected to be fully mitigated, and therefore no impact is anticipated.

The development of the BTS will have a beneficial impact on air quality in the larger metropolitan and county area. The local area within the BTS is expected to see a minor increase in daily traffic as a result of solid waste collection trucks, private and commercial vehicles, and solid waste transport trailers entering and exiting the facility, which will result in localized increase in vehicular emissions. As detailed in the BTS Transportation Plan, at a maximum processing capacity of 1,200 tons/day, the BTS is expected to have approximately 244 vehicles entering and exiting the facility each day. Traffic counts from 2017 (included in the BTS Transportation Plan) indicate that up to 11,881 vehicles utilize Broadway Blvd. in the area each day. The increase in traffic expected from use of the facility may result in a 2% daily increase in local traffic if the BTS is operating at its maximum design capacity.

However, the consolidation of material from smaller capacity collection vehicles, which are designed to operate at lower speeds on city surface streets, into higher capacity transport trailers better suited for long-distance hauls at freeway speeds, will result in a net decrease in equipment miles driven and fuel consumed to process the area's solid waste material. Assuming the BTS is operating at a maximum processing capacity of 1,200 tons per day, the overall reduction in the number of trips and the use of more fuel-efficient transport trailers is estimated to result in a net decrease of between 18-22% in carbon dioxide emissions associated with transportation of the area's solid waste. Attachment 2 includes calculations and assumptions utilized to develop this estimate.

The development of the BTS is expected to have a minor adverse impact to air quality in proximity to the BTS, but a minor beneficial impact to air quality in the region overall.

7.0 SOCIOECONOMICS AND ENVIRONMENTAL JUSTICE

7.1 Socioeconomic Characteristics

7.1.1 Population History and Projections

Population information for various geographical regions containing or within the Study Area were obtained from the United States Census Bureau American Community Survey (ACS) online database, and are summarized in Table 1. Population data was compiled from ACS Demographic and Housing Estimates Table DP05 (ACS, 2023), which includes 5-year data profile estimates for 2023, for the entire State of New Mexico, Bernalillo County, and the ten census tracts which contain permanent residences within the Study Area boundary. Census tracts present within the four-mile study radius include:

- Census Tract 13

- Census Tract 40.01
- Census Tract 43
- Census Tract 44.02
- Census Tract 45.01
- Census Tract 45.02
- Census Tract 46.02
- Census Tract 46.03
- Census Tract 46.04
- Census Tract 47.15

The table also includes calculations of population density in people per square mile (mi^2), as calculated from the estimated ACS populations and known land areas of the broken-out reporting areas. Figure 8 illustrates population density within census tracts within the project area; as illustrated from the figure, the highest population densities are located within Census Tracts 43 and 45.01 located over three miles to the north-northwest of the BTS. Approximately 41,500 people permanently reside within the ten census tracts that are at least partially within the Study Area boundary. The majority of the census tracts include areas with known permanent residences outside of the study area which are included in the ACS population estimates; as such, the actual number of people residing in the four-mile radius from the BTS is significantly less. Data from a database copy of the former EPA Environmental Justice Mapper (Screening-tools, 2025) indicates that the Study Area within four miles of the BTS contains a population of approximately 28,000. SMA utilized the database copy as the EPA Environmental Justice Mapper is no longer available on the EPA website.

Population projections for counties within New Mexico are calculated periodically by the University of New Mexico Geospatial and Population Studies (UNM GPS) Program. Population estimates from 2010 through 2050 for Bernalillo County were released by the UNM GPS on November 23, 2023, and are summarized in Table 2. The table also includes a breakout of estimated population increases by census tract areas within the Study Area for the next 25 years calculated by utilizing the annual growth rates for Bernalillo County as estimated by the UNM GPS. The UNM GPS estimates indicate that population for the county will increase at rates less than 0.1% each year until 2035, and then begin to decrease through 2050, with a net increase in population of only 0.1% in the next 25 years.

7.1.2 Race and Ethnicity Profile

Demographic information for the Study area was also obtained through the ACS Demographic and Housing Estimates Table DP05 (ACS, 2023). Races and Ethnicity profiles for the State of New Mexico, Bernalillo County, and the ten census tracts with permanent residences within the Study Area are summarized in Table 3.

Within the census tracts of the study area, approximately 80% of the population identifies as Hispanic or Latino, 16% identify as white, 1% identify as American Indian, 1% as African American, 1.5% as two or more races, 0.4% as “other race alone,” and 0.1% as Asian or Native Hawaiian/Pacific Islander.

7.1.3 Spoken Languages

Information on spoken languages within the study area were obtained through the ACS “Languages Spoken at Home” Table S1601 (ACS, 2023). Spoken languages along with age profiles for the State of New

Mexico, Bernalillo County, and the ten census tracts with permanent residences within the Study Area are summarized in Table 4.

Within the census tracts of the study area, approximately 54% of the population above five years of age speaks only English and 44% speak Spanish. Approximately 16% of the population within the census tracts do not speak English "very well."

7.1.4 Age Groups and Gender

Demographic information including age groups and gender for residents within the Study area was obtained through the ACS Demographic and Housing Estimates Table DP05 (ACS, 2023). Age groups and gender information for the State of New Mexico, Bernalillo County, and the ten census tracts with permanent residences within the Study Area are summarized in Table 5.

Within the census tracts of the study area, the average median age is 38.8, which is slightly younger than the median age of Bernalillo County (39.3) and the gender/sex ratio is 98.5 males to every 100 females, (51% female, 49% male).

7.1.5 Occupational Profile

Information on the occupations and employment rate of residents within the study area were obtained through the ACS "Selected Economic Characteristics" Table DP03 (ACS, 2023). Occupational information for the State of New Mexico, Bernalillo County, and the ten census tracts with permanent residences within the Study Area are summarized in Table 6.

The average unemployment rate within the census tracts of the study area is 5.26%, which is slightly less than the average unemployment rate for Bernalillo County of 5.30%.

7.1.6 Household Income

Information on household income within the study area were obtained through the ACS "Selected Economic Characteristics" Table DP03 (ACS, 2023). Household Income breakouts for the State of New Mexico, Bernalillo County, and the ten census tracts with permanent residences within the Study Area are summarized in Table 7.

7.2 Environmental Justice

Environmental Justice is defined by the Environmental Protection Agency (EPA) as:

"the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies."

Environmental Justice concerns for the project were evaluated through the use of the EPA Environmental Justice Mapping tool, which provides compiled data and indexes for socioeconomic, air quality, and other environmental factors. In February 2025, the EPA Environmental Justice online tools were taken offline, but a copy of the database is now hosted by a third-party organization and provides data which is current as-of decommissioning of the site in early 2025.

The Environmental Justice report prepared for the Study Area (Public Environmental Data Partners, 2025) indicates that approximately 28,000 persons reside within 4 miles of the BTS facility, with approximately 81% of the residents within the Study area identifying as Latino or Hispanic. This data agrees with information obtained through the ACS detailed in Section 8.1. Figure 9 includes a map taken from the EJMapper tool indicating disadvantaged communities as defined by the criteria set forth in Executive Order 24355, which established the Justice40 initiative in 2022. The criteria defines a disadvantaged community as an area where 65% or more of the households are at or below twice the federal poverty level AND experiences at least one additional environmental burden, such as elevated air quality pollution.

Utilizing these criteria, 8 of the 10 census tracts within the Study area are considered "disadvantaged."

7.3 Socioeconomic Impacts

The proposed project has potential to provide short, intermediate, and long-term minor beneficial impacts to socioeconomics within the Study Area by providing additional employment opportunities for area residents. Short-term impacts related to construction of the facility will require a significant amount of workers within the construction industry, including construction laborers, equipment operators, carpenters, electricians, and other trade crafts. Intermediate and Long-term beneficial impacts will include employment at the BTS itself, which is expected to employ approximately 40 full-time workers (BTS Operations Plan).

8.0 TRANSPORTATION

The BTS will have minor adverse impacts to traffic in the area in the vicinity of the BTS and minor beneficial impacts to traffic within the larger County and Metropolitan area.

8.1 Transfer Station Site and Adjacent Transportation Corridors

The BTS may result in short and long-term minor adverse impacts to transportation corridors near the BTS, particularly Broadway Boulevard, Rio Bravo Boulevard, and Interstate 25. Short-term minor adverse impacts may include increased vehicular and equipment activity related to the construction of the facility, particularly within the immediate area and Broadway Blvd. Long-term minor adverse impacts will consists of an increase in traffic resulting from collection trucks, private and commercial vehicles, and transport trailers entering and exiting the Facility. As detailed in the BTS Transportation Plan, at a maximum processing capacity of 1,200 tons/day the BTS is expected to have approximately 244 vehicles entering and exiting the facility each day. Traffic count data obtained in 2017 for traffic passing near 5520 Broadway Blvd. (approximately 2 miles north of the BTS) indicated that Broadway Blvd has an existing traffic volume of 11,881 vehicles each day. Utilizing this data, the BTS may result in an approximate 2% increase in local traffic, which represents a minor adverse impact to local traffic/transportation infrastructure.

8.2 Study Area and Metropolitan Area

The establishment of the BTS will result in a net decrease of traffic travelling from southern Bernalillo County to area landfills, and therefore a minor beneficial impact for the County/Metropolitan area. Southern Bernalillo County currently does not contain any transfer stations in operation; as such, all waste collected by County, City or other large commercial entities in the area is hauled by collection vehicles to area landfills. Assuming an average collection vehicle capacity of 35 cubic yards and a processing volume

of 1,200 tons per day (which is the maximum design capacity of the BTS), it would require 67 round trips from collection vehicles to move the material to area landfills, resulting in over 6,800 daily vehicle miles to process the area's waste.

The BTS will provide a local facility to consolidate materials and transport waste to area landfills more efficiently. It is estimated that at full design capacity, the BTS would process 1,200 tons of material per day and transport the material in only 45 round trips, utilizing much larger 140 cubic yard solid waste trailers. Utilizing a conservative assumption that all waste is generated within Bernalillo County, the hauling distance from collection vehicles will be much shorter than trips to area landfills, and as detailed in Attachment 2, would result in an estimated equipment transportation milage of 5,310 per day. This represents a decrease of 22% in total miles driven by waste handling equipment, and a beneficial impact to the Study Area and surrounding areas within Bernalillo County. Attachment 2 includes calculations and assumptions utilized to develop this estimate.

9.0 UNAVOIDABLE ADVERSE ENVIRONMENTAL IMPACT

The following unavoidable adverse environmental impacts have been identified with the development and operation of the BTS facility. These impacts are discussed in greater detail in Section 11.

1. Short-Term Minor Adverse Impacts to Air Quality and Traffic Resulting from Construction
2. Intermediate and Long-Term Minor Adverse Impacts to Air Quality near BTS resulting from increased Traffic
3. Intermediate and Long-Term Minor Adverse Impacts to Transportation near BTS resulting from increased Traffic
4. Short, Intermediate, and Long-Term Minor Adverse Impacts to Visual and Scenic Resources of the Sandia Mountains, as viewed from a very limited extent proximal to the BTS Facility.

10.0 ANALYSIS OF EFFECTS OF PROPOSED FACILTY

10.1 Short-Term Effects

10.1.1 Adverse Short-Term Effects

Short-term adverse effects will be minor in intensity and consist of air quality and traffic impacts resulting from the construction of the BTS Facility. The construction may result in increased dust generation, noise, and additional emissions from heavy equipment which are working the construction. Dust generation may increase from earth-moving operations required for establishing the base for access roads and facility structures. Noise will also be increased during construction operations resulting from the heavy equipment and construction operations. Air quality may be impacted by the production of equipment and vehicular emissions including greenhouse gases, ozone, nitrogen dioxides (NOx), particulate matter (PM), and Volatile Organic Compounds (VOCs). Proposed mitigation for the short-term adverse effects are included in Section 12.0

10.1.2 Beneficial Short-Term Effects

Short-term beneficial effects will include economic and employment benefits resulting from the need for construction labor/jobs and material purchases associated with the development of the

property. The construction of the facility will require several million dollars of investment, which will have a positive impact on the local economy.

10.2 Intermediate and Long-term Effects

10.2.1 Adverse Intermediate and Long-term Effects

Intermediate and long-term adverse effects will consist of air quality and transportation/traffic impacts in proximity to the BTS. The establishment of the BTS will result in an approximate 2% increase in traffic in the immediate area resulting from waste collection vehicles and private and commercial vehicles entering the area to deliver materials to the Facility. The increase in traffic will result in an increase in vehicle emissions and may impact the local air quality. However, given that the nearest residence to the facility is over 0.6 miles away, the impact to permanent residents is expected to be minimal.

The BTS will also have a short, intermediate, and long-term minor adverse effect to visual and scenic resources pertaining to views of landforms in the area. The Facility outline may partially obstruct views of the Sandia Mountain Front from a viewing angle south of the BTS, looking northeast. The impact will be limited to a very narrow viewing angle and will not impact any permanent residences or institutions. The visual and scenic impact is consistent with construction of any facility within an urbanized environment such as Albuquerque.

10.2.2 Beneficial Intermediate and Long-term Effects

Intermediate and long-term beneficial effects will include economic and employment benefits resulting from the development of the BTS. The BTS is expected to employee approximately 40 full-time employees from within the local area, which provides additional employment opportunities and benefits the local economy.

The BTS will also have an intermediate and long-term beneficial impact to air quality and transportation within the region. As discussed above, the operation of the Facility will result in a net decrease in equipment miles driven to handle solid waste materials in the area, and has the potential to decrease carbon dioxide emissions from transport equipment by 18-22% from existing operations. The number of vehicles travelling to area landfills will also be decreased as material will be transported in larger, more efficient transport vehicles.

11.0 AVOIDANCE, MINIMIZATION, AND MITIGATION MEASURES

As no impacts to land use or historic and cultural resources are anticipated as a result of the project, no additional avoidance, minimization, or mitigation measures are proposed for these analysis areas.

Proposed measures to minimize impacts to air quality, visual and scenic resources, and transportation are detailed below.

11.1 Air Quality

Air Quality impacts within the areas in proximity to the BTS will be minimized through the use of best-management practices as outlined in the BTS Operations Plan. Dust generation will be minimized through engineering controls including the paving of all entry and exit routes, and the handling of all solid waste

material within the transfer station structure. Odors will also be minimized by handling all material within the transfer station building and by ensuring that no solid waste material is stored long-term on the property. All solid waste accepted at the BTS will be containerized and removed from the property promptly.

11.2 Visual and Scenic Resources

Impacts to visual and scenic resources are expected to be minimal and consistent with development of any Facility within an urbanized environment. The transfer station building is similar in style and construction to buildings situated on adjacent properties and consistent with structures and development within an urbanized area such as Albuquerque. The transfer station property and facilities will be maintained regularly and painted when necessary. Materials accepted at the facility will be contained within covered containers in all hauling vehicles and all handing and processing of waste will be completed within the enclosed transfer station so as to not be visible to adjacent properties.

11.3 Transportation

The BTS is expected to have an overall positive impact to transportation and traffic within Bernalillo County resulting from increased efficiency in handling solid waste materials. However, transportation and traffic in the vicinity of the BTS will see a minor adverse impact. Transportation impacts in the vicinity of the BTS will be minimized by operating only during daylight hours so as to minimize traffic noise for residents in the area, and by complying with all requirements from the NMDOT and Bernalillo County to ensure adequate infrastructure (turning lanes, signage, etc.) is in-place to minimize traffic congestion or danger related to vehicles entering and exiting the facility.

12.0 REFERENCES

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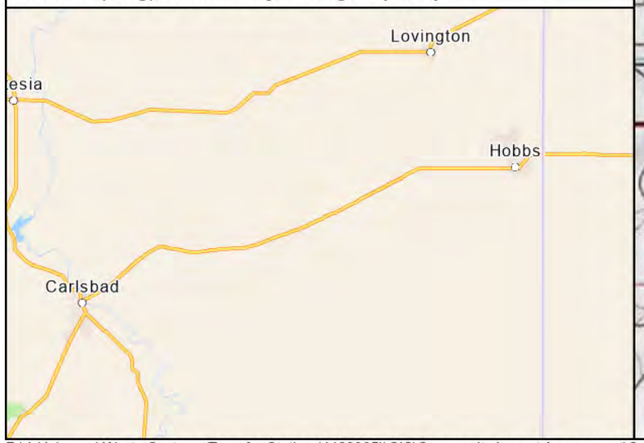
FIGURES

Facility Boundary

BTS Facility

4 Mile Radius

Base Map from West Albuquerque, East Albuquerque, Isleta, and Hubbell Spring, NM USGS Quadrangles (1999)



Miles
0 0.5 1 2

Sources: ESRI, Souder, Miller & Associates

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UNIVERSAL WASTE SYSTEMS

VICINITY MAP
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
BERNALILLO COUNTY, NM

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Vert. -

Project No: 4429985

Sheet: FIGURE 1

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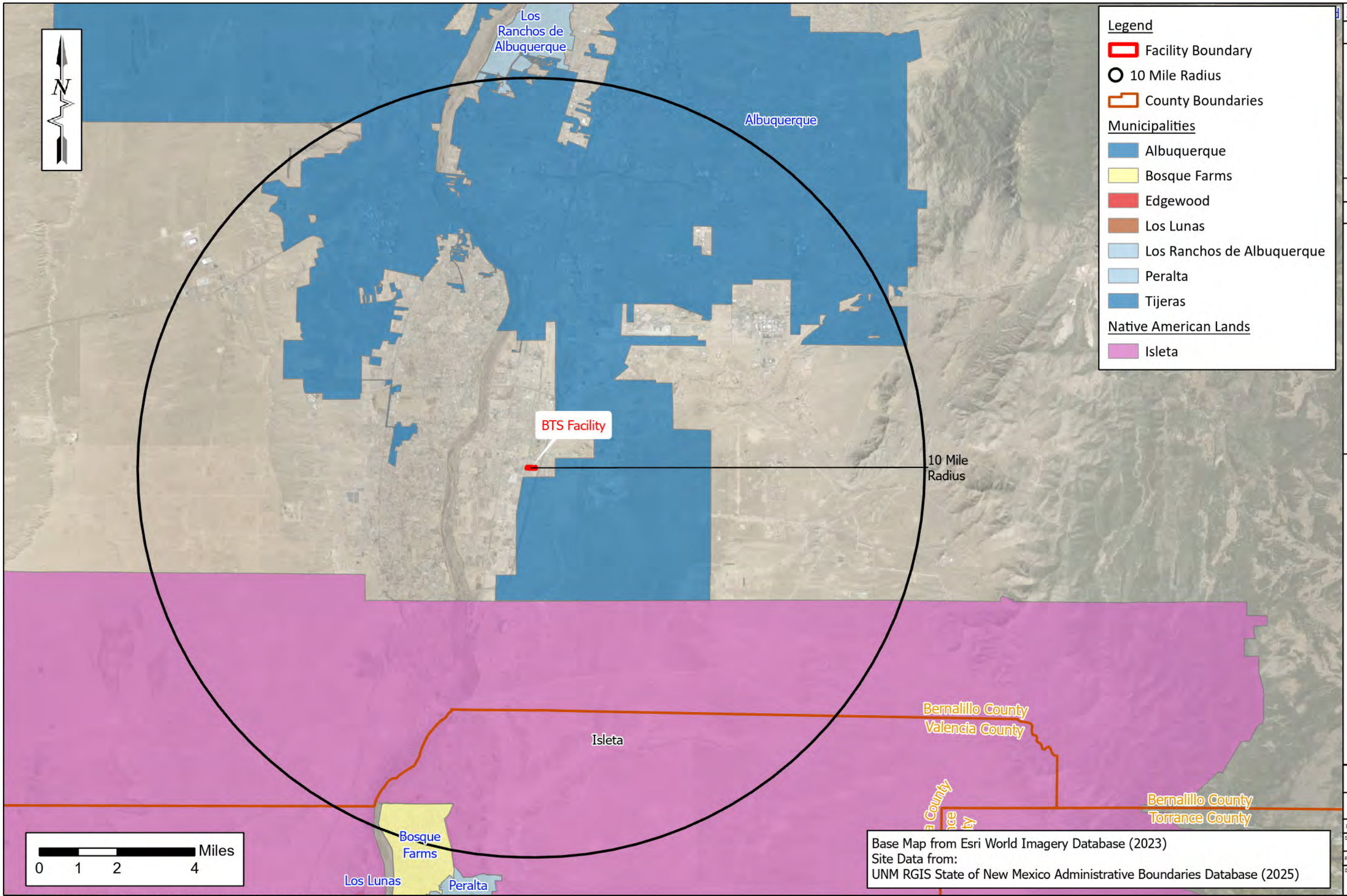

Base Map from Esri World Imagery Database (2023)
Site Data from:
UNM RGIS State of New Mexico Administrative Boundaries Database (2025)

Sources: ESRI, Souder, Miller & Associates

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UNIVERSAL WASTE SYSTEMS

GOVERNMENTAL ENTITIES
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
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Vert. -
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Sheet: FIGURE 2

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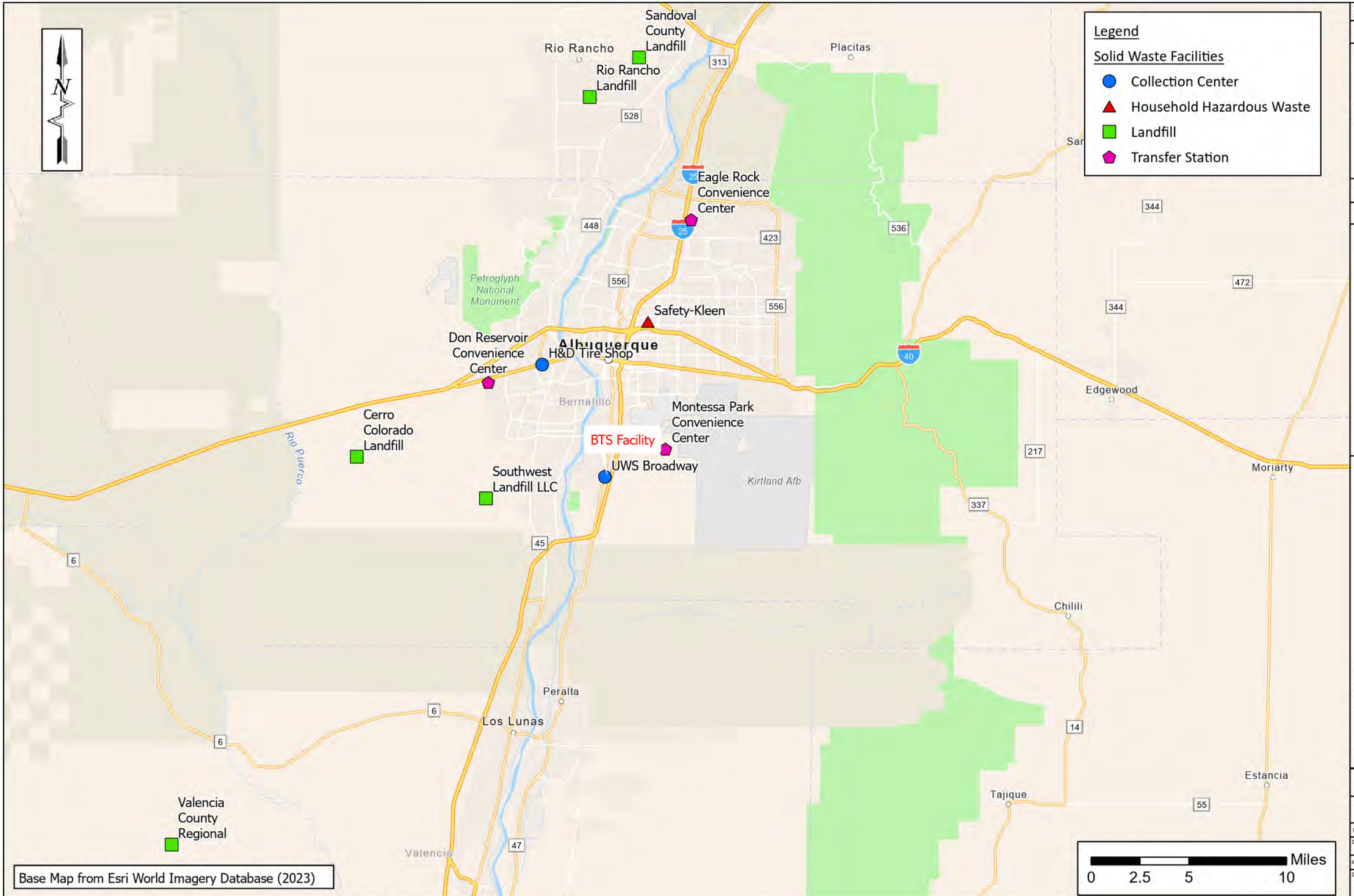

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UNIVERSAL WASTE SYSTEMS

SOLID WASTE FACILITIES IN ABQ METRO
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
BERNALILLO COUNTY, NM

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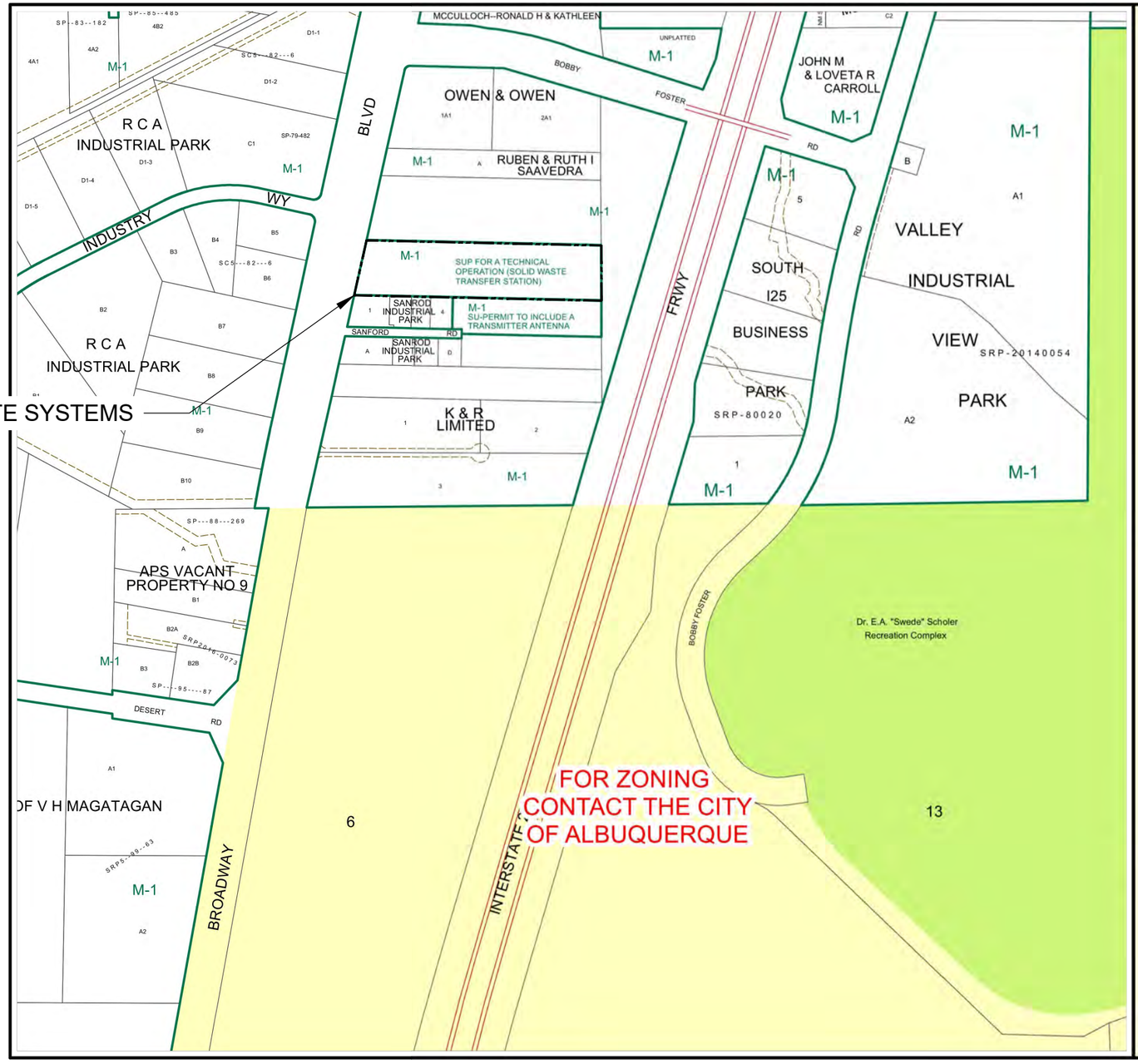
Vert. -

Project No: 4429985

Sheet: FIGURE 3

Sources: ESRI, Souder, Miller & Associates



LEGAL DESCRIPTION

T9N

R3E

SEC 20

UNIFORM PROPERTY CODE

1-014-051

250 0 250 500 750 1,000

Feet

Map amended through Spring 2021

PLANNING & DEVELOPMENT SERVICES
GIS TECHNOLOGY SECTION

This information is for reference only. Bernalillo County assumes no liability for errors associated with the use of these data. Users are solely responsible for confirming data accuracy when necessary. Source data from Bernalillo County and the City of Albuquerque. For current information visit https://www.bernco.gov/planning/download-zone-atlas-.aspx

R-14-Z

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BY	DATE	DESC.

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ZONING MAP

UNIVERSAL WASTE SYSTEMS TRANSFER STATION

ALBUQUERQUE, NEW MEXICO

Drawn	Checked	Approved
CLW	SAM	SAM

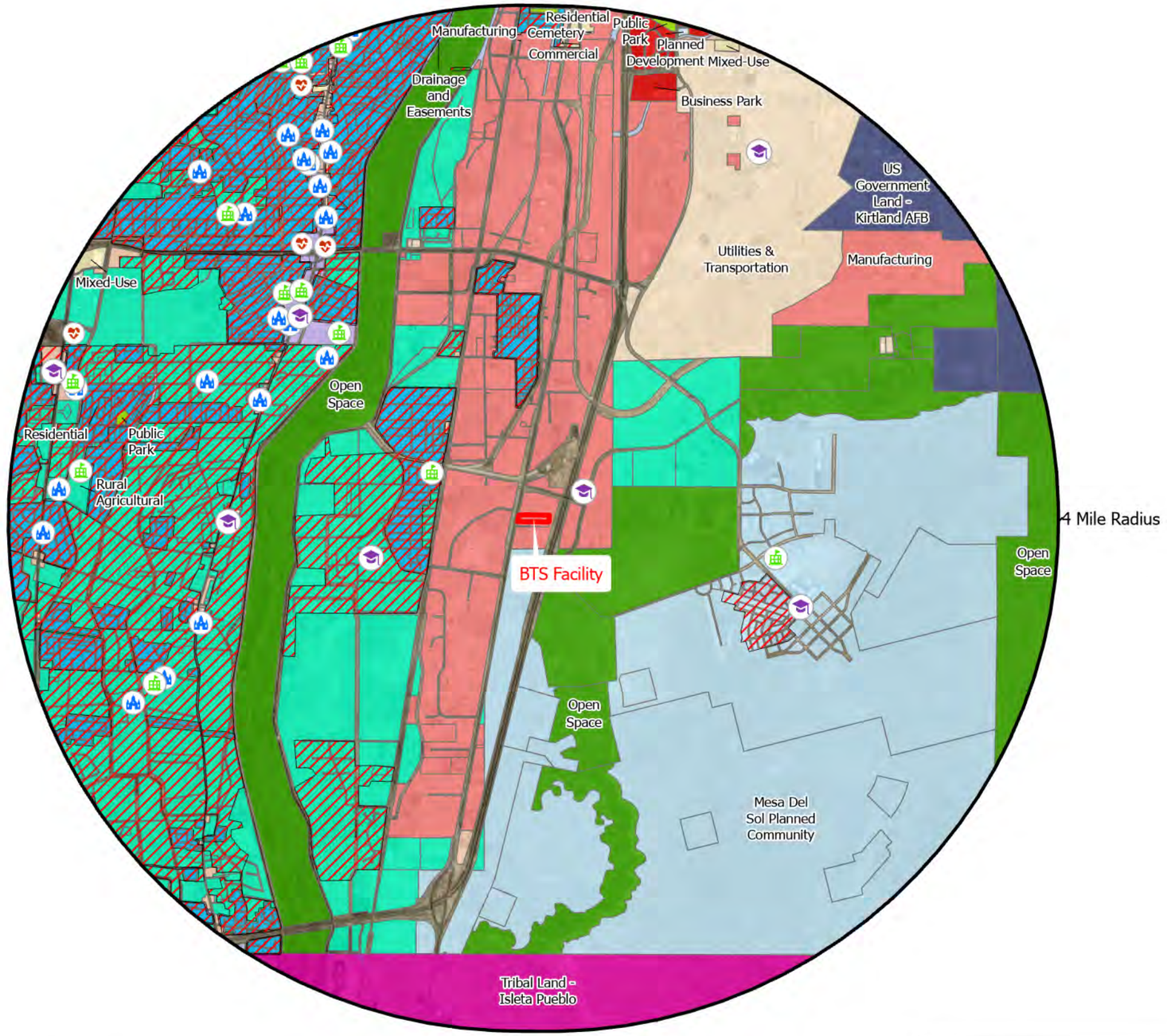
Date: JULY 2021

Scale: Horiz: N/A Vert:

Project No: 4429985

Sheet: FIGURE 4

P:\4-Universal Waste Systems Transfer Station (4429985)\CAD\Civil\4429985 Facility Site Map.dwg, 7/9/2021 2:36:13 PM czw



Base Map from Esri World Imagery Database (2023)

Miles
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N

Legend

- Facility Boundary
- Public School Facility (APS)
- Hospitals/Clinics
- Churches
- Institutions
- Permanent Residences

CABQ & Bern. Co Zoning

- Business Park
- Cemetery
- Commercial
- Drainage and Easements
- Manufacturing
- Mesa Del Sol Planned Community
- Mixed-Use
- Open Space
- Planned Development
- Public Park
- Residential
- Rural Agricultural
- Tribal Land - Isleta Pueblo
- US Government Land - Kirtland AFB
- Utilities & Transportation

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UNIVERSAL WASTE SYSTEMS

LAND USE AND ZONING MAP
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
BERNALILLO COUNTY, NM

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Project No: 4429985
Sheet: FIGURE 5

Sources: ESRI, Souder, Miller & Associates

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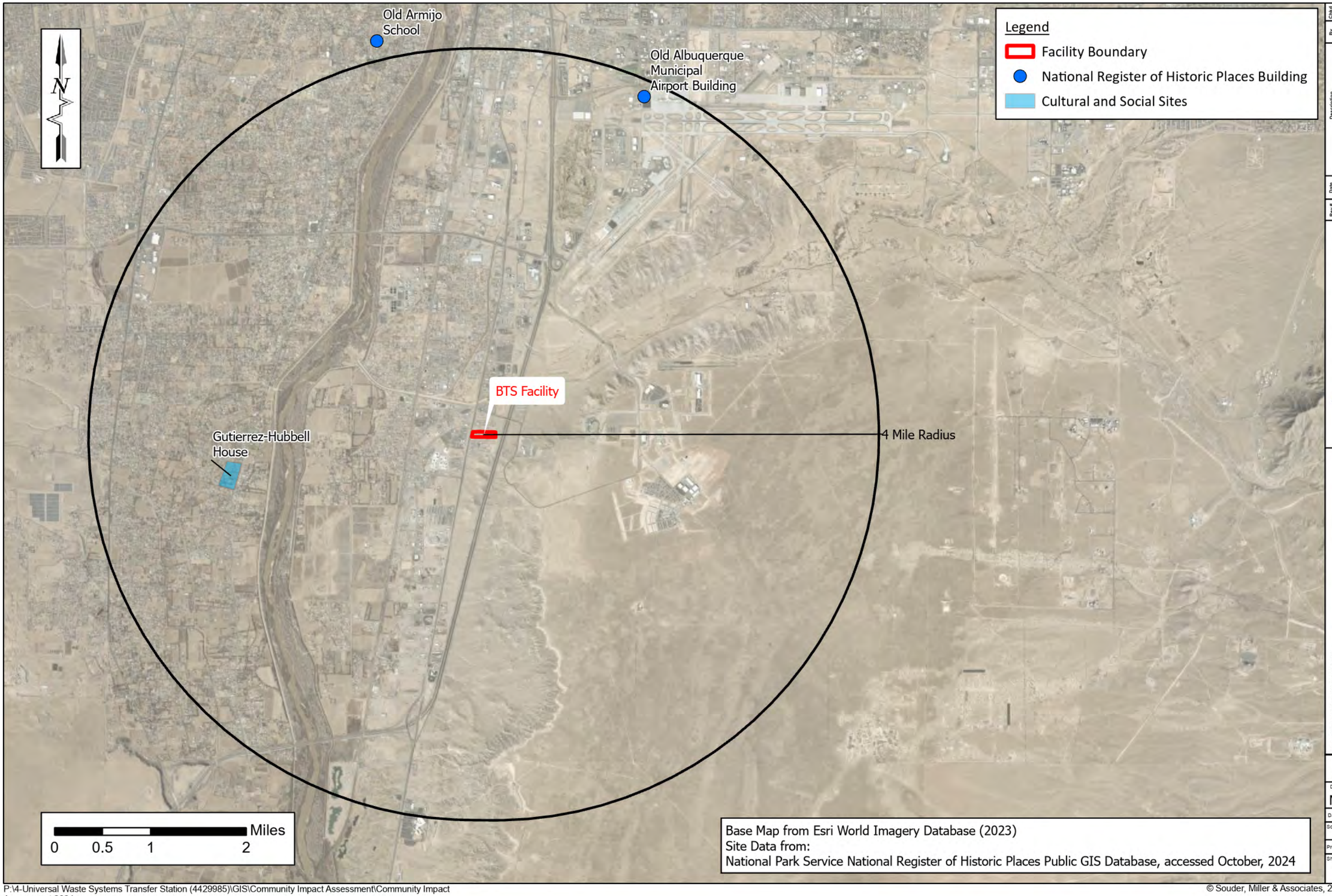

Base Map from Esri World Imagery Database (2023)
Site Data from:
National Park Service National Register of Historic Places Public GIS Database, accessed October, 2024

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UNIVERSAL WASTE SYSTEMS

HISTORIC AND CULTURAL RESOURCES
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
BERNALILLO COUNTY, NM

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Project No: 4429985
Sheet: FIGURE 6

Sources: ESRI, Souder, Miller & Associates

P:\4-Universal Waste Systems Transfer Station (4429985)\GIS\Community Impact Assessment\Community Impact Assessment 2024

Base Map from Esri World Imagery Database (2023)
Site Data from:
City of ABQ OpenSpace GIS Database, accessed October 2024
National Wildlife Service Federal Property Parcel Database, accessed November, 2024

Legend
- Facility Boundary
- National Wildlife Refuge
- City of ABQ Open Space
- Photo Number & Orientation

N

Hubbell Oxbow Farm (Closed)

Rio Bravo Fishing Pier & Nature Trail (Poco Loco)

Rio Grande Valley State Park

Montessa Park

BTS Facility

4 Mile Radius

Valle de Oro National Wildlife Refuge

0 0.5 1 2 Miles

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UNIVERSAL WASTE SYSTEMS

VISUAL & SCENIC RESOURCES
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
BERNALILLO COUNTY, NM

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Project No: 4429985
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FIGURE 7

Sources: ESRI, Souder, Miller & Associates

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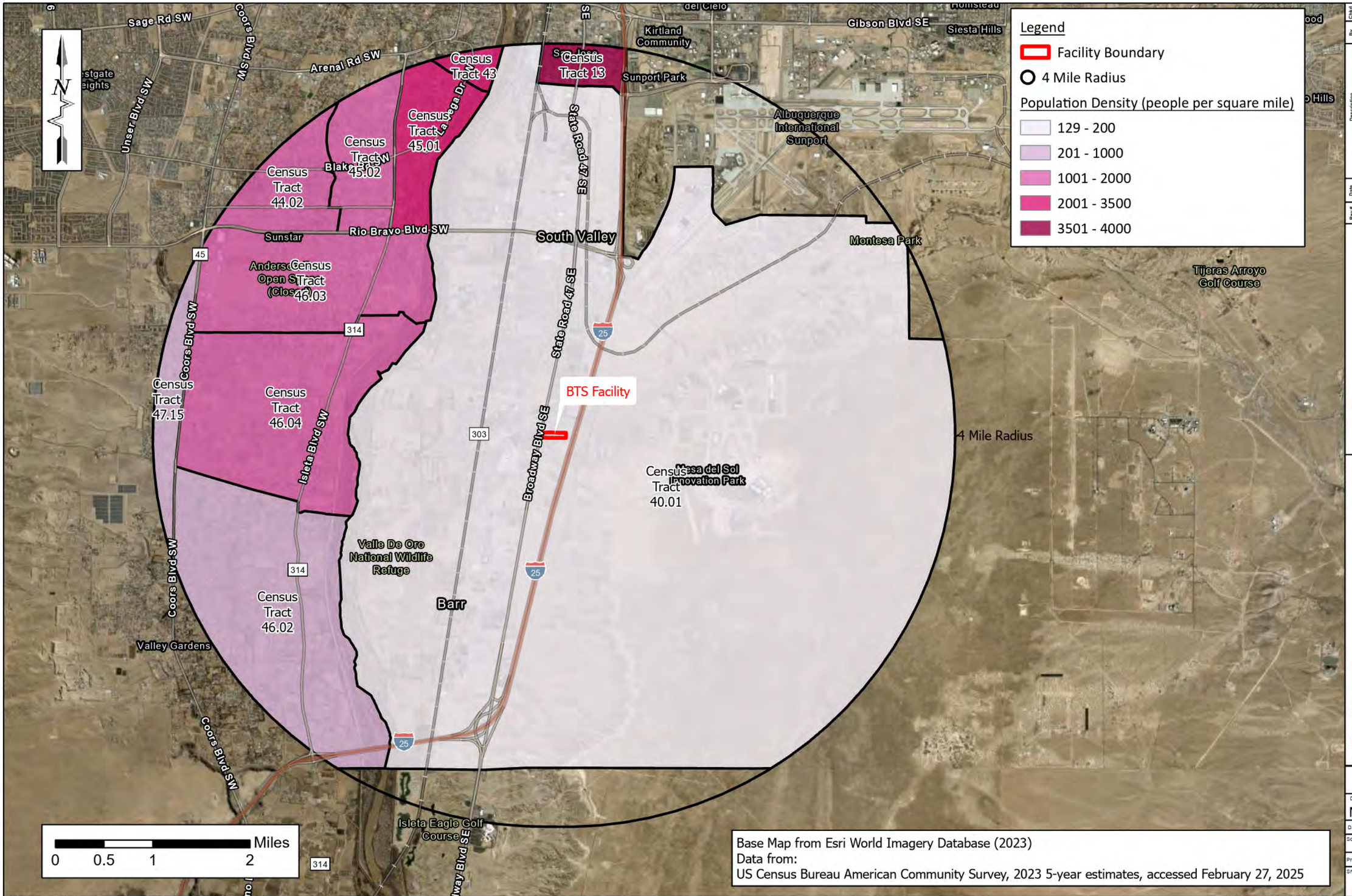

Base Map from Esri World Imagery Database (2023)
Data from:
US Census Bureau American Community Survey, 2023 5-year estimates, accessed February 27, 2025

Sources: ESRI, Souder, Miller & Associates

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UNIVERSAL WASTE SYSTEMS

CENUS TRACTS & POPULATION
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
BERNALILLO COUNTY, NM

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Project No: 4429985
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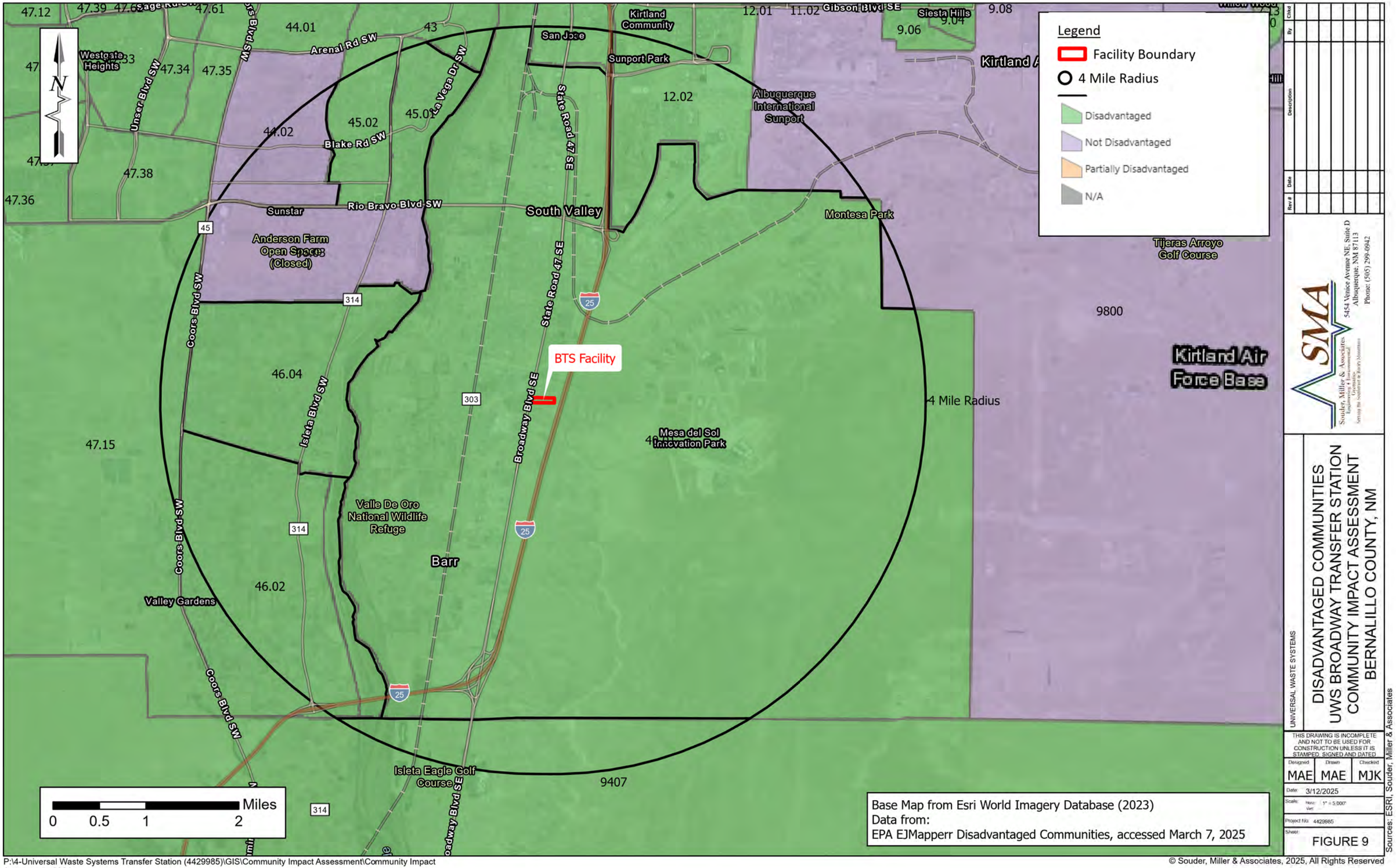

Base Map from Esri World Imagery Database (2023)
Data from:
EPA EJMapperr Disadvantaged Communities, accessed March 7, 2025

Sources: ESRI, Souder, Miller & Associates

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UNIVERSAL WASTE SYSTEMS

DISADVANTAGED COMMUNITIES
UWS BROADWAY TRANSFER STATION
COMMUNITY IMPACT ASSESSMENT
BERNALILLO COUNTY, NM

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Sheet: FIGURE 9

P:\4-Universal Waste Systems Transfer Station (4429985)\GIS\Community Impact Assessment\Community Impact Assessment 2024

TABLES

Table 1 - Population and Population Density
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Census Tract 46.03; Bernalillo County; New Mexico	Census Tract 46.04; Bernalillo County; New Mexico	Census Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[3]
Existing Population Estimate (2023)			**Data from ACS 2023 5-year estimates on data profiles (year 2023)**										
Area (square miles)[1]	121,312	1,161.30	1.12	38.44	1.54	1.97	0.98	1.97	5.00	2.38	3.32	21.97	78.70
Total population	2,114,768	674,357	4,376	4,964	5,156	3,631	3,405	3,238	3,968	3,185	5,049	4,584	41,556
Population Density (People/sq. mile)[2]	**17**	**581**	**3913**	**129**	**3355**	**1843**	**3458**	**1643**	**794**	**1336**	**1519**	**209**	**528**

Note 1: Tract Areas Calculated utilizing online census boundarys from TIGER/Line Shapefiles. https://www.census.gov/cgi-bin/geo/shapefiles/index.php?year=2024&layergroup=Census+Tracts (US Census Bureau, Geography Division). Accessed February 24, 2025

Note 2: Population Density calculated for entire census tract/boundary area by dividing total population by area in square miles

Note 3: Tract total calculated by summing values from the ten Census tracts with permanent residences within the 4-mile Study Area radius

Data from: U.S. Census Bureau, U.S. Department of Commerce. "ACS Demographic and Housing Estimates." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP05, 2023, https://data.census.gov/table/ACSDP5Y2023.DP05?q=DP05:+ACS+Demographic+and+Housing+Estimates&g=010XX00US_040XX00US35_050XX00US35001_1400000US35001001202,35001001300,35001004001,35001004300,35001004402,35001004501,35001004502,35001004602,35001004603,35001004604,35001004715,35001940700,35001980000. Accessed on February 27, 2025.

Table 2 - Population Projections
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Bernalillo County Projected Annual Growth Rate (%/year)[2]	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Census Tract 46.03; Bernalillo County; New Mexico	Census Tract 46.04; Bernalillo County; New Mexico	Census Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[3]
Existing Population Estimate (2023)							**Data from ACS 2023 5-year estimates on data profiles (year 2023)**							**0.00**
2023	2,114,768	674,357	N/A	4376	4964	5156	3631	3405	3238	3968	3185	5049	4584	41,556
Projected Population Estimates, 2025-2050[1]														
2025	2,143,658	680,584	0.46%	4,416	5,010	5,204	3,665	3,436	3,268	4,005	3,214	5,096	4,626	41,940
2030	2,161,645	683,372	0.08%	4,434	5,030	5,225	3,680	3,451	3,281	4,021	3,228	5,116	4,645	42,112
2035	2,164,780	684,673	0.04%	4,443	5,040	5,235	3,687	3,457	3,288	4,029	3,234	5,126	4,654	42,192
2040	2,153,964	684,461	-0.01%	4,442	5,038	5,233	3,685	3,456	3,287	4,027	3,233	5,125	4,653	42,179
2045	2,131,015	683,327	-0.03%	4,434	5,030	5,225	3,679	3,450	3,281	4,021	3,227	5,116	4,645	42,109
2050	2,098,886	681,386	-0.06%	4,422	5,016	5,210	3,669	3,440	3,272	4,009	3,218	5,102	4,632	41,989

Note 1: Census Tract Population Projections calculated by applying average growth projections from Bernalillo County (% per year) onto the 2023 ACS population estimate for each individual tract

Note 2: Negative Percentage indicates overall reduction in population

Note 3: Tract total calculated by summing values from the ten Census tracts with permanent residences within the 4-mile Study Area radius

Population Data from: U.S. Census Bureau, U.S. Department of Commerce. "ACS Demographic and Housing Estimates." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP05, 2023, https://data.census.gov/table/ACSDP5Y2023.DP05?q=DP05:+ACS+Demographic+and+Housing+Estimates&g=010XX00US_040XX00US35_050XX00US35001_1400000US35001001202,35001001300,35001004001,35001004300,35001004402,35001004501,35001004502,35001004602,35001004603,35001004604,35001004715,35001940700,35001980000. Accessed on February 27, 2025.

Projection Data for State of New Mexico and Bernalilo County from: New Mexico Geospatial and Population Studies Program, Population Projections 2010-2050, Vintage: Spring, 2024. https://gps.unm.edu/assets/documents/census/nmcountyprojections_v2024.pdf. Accessed on February 27, 2025.

Table 3 - Race and Ethnicity Profile
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Census Tract 46.03; Bernalillo County; New Mexico	Census Tract 46.04; Bernalillo County; New Mexico	Census Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[1]
Demographic Profile (ACS, 2023)			**Data from ACS 2023 5-year estimates on data profiles (year 2023)**										
RACE													
Total population	2,114,768	674,357	4,376	4,964	5,156	3,631	3,405	3,238	3,968	3,185	5,049	4,584	41,556
One race	1,671,834	522,659	3,041	3,442	3,129	2,554	2,526	2,148	2,680	2,033	3,151	2,722	27,426
White	1,133,871	369,741	1,697	2,529	1,997	1,783	1,250	1,418	1,688	1,008	2,019	1,143	16,532
Black or African American	44,709	20,435	142	42	181	3	0	9	33	14	50	6	480
American Indian and Alaska Native	201,346	34,580	162	56	57	26	173	57	59	176	0	386	1,152
Asian	36,065	19,443	0	16	23	0	0	0	0	0	14	14	67
Native Hawaiian and Other Pacific Islander	2,049	704	0	0	0	0	0	1	0	0	0	0	1
Some Other Race	253,794	77,756	1,040	799	871	742	1,103	663	900	835	1,068	1,173	9,194
Two or More Races	442,934	151,698	1,335	1,522	2,027	1,077	879	1,090	1,288	1,152	1,898	1,862	14,130
White and Black or African American	14,690	6,354	0	20	38	19	0	48	0	14	0	0	139
White and American Indian and Alaska Native	26,814	8,309	25	5	0	58	0	13	66	6	42	15	230
White and Asian	11,407	5,662	210	40	0	0	0	0	0	0	23	46	319
White and Some Other Race	353,480	117,099	1,089	1,385	1,844	967	767	1,018	1,000	1,103	1,768	1,801	12,742
Black or African American and American Indian and Alaska Native	2,507	903	11	0	0	0	0	3	0	0	0	0	14
Black or African American and Some Other Race	2,488	1,174	0	0	0	0	0	0	0	1	0	0	1
HISPANIC OR LATINO AND RACE													
Hispanic or Latino (of any race)	1,018,321	329,949	3,404	3,685	3,997	2,853	3,125	2,805	2,973	2,579	3,826	4,016	33,263
Not Hispanic or Latino	1,096,447	344,408	972	1,279	1,159	778	280	433	995	606	1,223	568	8,293
White alone	772,482	254,583	449	1,143	910	676	251	298	873	426	1,028	538	6,592
Black or African American alone	38,382	17,205	142	42	181	3	0	9	33	14	40	6	470
American Indian and Alaska Native alone	181,771	26,758	107	0	47	5	29	54	37	166	0	1	446
Asian alone	33,725	18,315	0	16	0	0	0	0	0	0	13	14	43
Native Hawaiian and Other Pacific Islander alone	1,248	346	0	0	0	0	0	1	0	0	0	0	1
Some Other Race alone	9,289	4,440	28	0	11	9	0	19	8	0	72	0	147
Two or More Races	59,550	22,761	246	78	10	85	0	52	44	0	70	9	594

Note 1: Tract total calculated by summing values from the ten Census tracts with permanent residences within the 4-mile Study Area radius

Data from: U.S. Census Bureau, U.S. Department of Commerce. "ACS Demographic and Housing Estimates." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP05, 2023, https://data.census.gov/table/ACSDP5Y2023.DP05?q=DP05:+ACS+Demographic+and+Housing+Estimates&g=010XX00US_040XX00US35_050XX00US35001_1400000US35001001202,35001001300,35001004001,35001004300,35001004402,35001004501,35001004502,35001004602,35001004603,35001004604,35001004715,35001940700,35001980000. Accessed on February 27, 2025.

Table 4 - Spoken Languages
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Census Tract 46.03; Bernalillo County; New Mexico	Census Tract 46.04; Bernalillo County; New Mexico	Census Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[1]
Spoken Language (2023)			**Data from ACS 2023 5-year estimates on data profiles (year 2023)**										
POPULATION 5 YEARS AND OVER													
Population 5 years and over	2,001,819	640,469	4,261	4,631	4,820	3,371	3,149	3,110	3,862	3,024	4,778	4,387	39,393
Speak only English	1,368,837	469,853	1,910	2,749	2,473	1,807	1,256	1,513	2,808	1,648	2,962	2,176	21,302
Speak a language other than English	632,982	170,616	2,351	1,882	2,347	1,564	1,893	1,597	1,054	1,376	1,816	2,211	18,091
Spanish	491,275	134,658	2,052	1,785	2,166	1,563	1,864	1,541	1,027	1,364	1,771	2,117	17,250
Other Indo-European languages	22,363	10,266	2	97	93	0	0	34	27	8	16	0	277
Asian and Pacific Island languages	22,103	11,708	210	0	0	0	0	0	0	0	13	0	223
Other languages	97,241	13,984	87	0	88	1	29	22	0	4	16	94	341
Speak English less than "very well"	173,410	46,279	847	576	789	383	827	368	155	545	520	1,135	6,145
CITIZENS 18 YEARS AND OVER													
All citizens 18 years old and over	1,547,328	502,434	3,010	3,207	3,439	2,778	1,965	2,115	2,873	2,433	3,561	2,885	28,266
Speak only English	1,093,712	385,639	1,590	2,053	2,055	1,526	996	1,203	1,986	1,530	2,463	1,377	16,779
Speak a language other than English	453,616	116,795	1,420	1,154	1,384	1,252	969	912	887	903	1,098	1,508	11,487
Spanish	341,765	91,129	1,121	1,057	1,241	1,251	940	875	860	891	1,066	1,414	10,716
Other languages	111,851	25,666	299	97	143	1	29	37	27	12	32	94	771
Speak English less than "very well"	96,233	23,191	382	135	317	281	378	131	155	333	255	699	3,066

Note 1: Tract total calculated by summing values from the ten Census tracts with permanent residences within the 4-mile Study Area radius

Data from: U.S. Census Bureau, U.S. Department of Commerce. "Languages Spoken at Homes." American Community Survey, ACS 5-Year Estimates Data Profiles, Table S1601, 2023, https://data.census.gov/table/ACSST5Y2023.S1601?q=Language+Spoken+at+Home&g=040XX00US35_050XX00US35001_1400000US35001001300,35001004001,35001004300,35001004402,35001004501,35001004502,35001004602,35001004603,35001004604,35001004715. Accessed on February 27, 2025.

Table 5 - Age Groups and Gender Profiles
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Census Tract 46.03; Bernalillo County; New Mexico	Census Tract 46.04; Bernalillo County; New Mexico	Census Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[1,2]
Age Groups and Gender/Sex (2023)					**Data from ACS 2023 5-year estimates on data profiles (year 2023)**								
Total population	2,114,768	674,357	4,376	4,964	5,156	3,631	3,405	3,238	3,968	3,185	5,049	4,584	41,556
Male	1,050,368	331,669	1,717	2,474	2,737	1,970	1,629	1,273	1,961	1,675	2,626	2,456	20,518
Female	1,064,400	342,688	2,659	2,490	2,419	1,661	1,776	1,965	2,007	1,510	2,423	2,128	21,038
Sex ratio (males per 100 females)	98.7	96.8	64.6	99.4	113.1	118.6	91.7	64.8	97.7	110.9	108.4	115.4	98.5
Under 5 years	112,949	33,888	115	333	336	260	256	128	106	161	271	197	2,163
5 to 9 years	127,276	37,227	176	520	159	114	351	122	298	144	316	156	2,356
10 to 14 years	140,957	42,410	435	282	422	172	172	460	452	287	514	483	3,679
15 to 19 years	142,792	42,592	247	199	135	106	274	390	200	143	364	401	2,459
20 to 24 years	139,795	43,335	241	366	480	549	235	190	222	154	211	314	2,962
25 to 34 years	279,227	97,429	810	921	446	452	433	309	277	340	610	501	5,099
35 to 44 years	267,554	91,934	741	508	1,020	207	486	404	491	311	619	526	5,313
45 to 54 years	236,766	79,208	567	552	274	413	257	360	492	312	504	654	4,385
55 to 59 years	128,322	42,250	296	217	476	380	174	187	262	186	419	370	2,967
60 to 64 years	141,974	44,199	132	338	328	382	158	152	297	466	313	244	2,810
65 to 74 years	239,187	72,367	314	463	757	240	314	254	485	403	625	339	4,194
75 to 84 years	115,212	33,201	213	241	245	278	170	199	301	188	278	117	2,230
85 years and over	42,757	14,317	89	24	78	78	125	83	85	90	5	282	939
Median age (years)	39.2	39.3	37.1	32.8	40.4	43.2	34	35.7	42.7	45.6	38.1	38	38.8
Under 18 years	466,617	139,325	954	1,220	983	612	978	888	973	686	1,198	1,122	9,614
16 years and over	1,705,686	552,116	3,503	3,796	4,211	3,052	2,541	2,518	3,074	2,556	3,907	3,621	32,779
18 years and over	1,648,151	535,032	3,422	3,744	4,173	3,019	2,427	2,350	2,995	2,499	3,851	3,462	31,942
21 years and over	1,562,529	509,346	3,354	3,480	4,018	2,837	2,320	2,138	2,859	2,383	3,492	3,322	30,203
62 years and over	482,848	146,739	718	886	1,270	859	711	596	1,084	874	1,090	932	9,020
65 years and over	397,156	119,885	616	728	1,080	596	609	536	871	681	908	738	7,363
18 years and over	1,648,151	535,032	3,422	3,744	4,173	3,019	2,427	2,350	2,995	2,499	3,851	3,462	31,942
Male	812,882	260,440	1,305	1,701	2,359	1,607	1,030	915	1,586	1,400	1,947	1,842	15,692
Female	835,269	274,592	2,117	2,043	1,814	1,412	1,397	1,435	1,409	1,099	1,904	1,620	16,250
Sex ratio (males per 100 females)	97.3	94.8	61.6	83.3	130	113.8	73.7	63.8	112.6	127.4	102.3	113.7	98.2
65 years and over	397,156	119,885	616	728	1,080	596	609	536	871	681	908	738	7,363
Male	183,071	53,366	161	269	594	348	199	212	494	348	459	310	3,394
Female	214,085	66,519	455	459	486	248	410	324	377	333	449	428	3,969
Sex ratio (males per 100 females)	85.5	80.2	35.4	58.6	122.2	140.3	48.5	65.4	131	104.5	102.2	72.4	88.1

Note 1: Tract total calculated by summing values from the ten Census tracts with permanent residences within the 4-mile Study Area radius

Note 2: Tract total sex ratio and median age calculated as an average of all ten Census tracts with permanent residences within the 4-mile Study Area radius

Data from: U.S. Census Bureau, U.S. Department of Commerce. "Languages Spoken at Homes." American Community Survey, ACS 5-Year Estimates Data Profiles, Table S1601, 2023, https://data.census.gov/table/ACSST5Y2023.S1601?q=Language+Spoken+at+Home&g=040XX00US35_050XX00US35001_1400000US35001001300,35001004001,35001004300,35001004402,35001004501,35001004502,35001004602,35001004603,35001004604,35001004715. Accessed on February 27, 2025.

Table 6 - Occupational Profiles
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Census Tract 46.03; Bernalillo County; New Mexico	Census Tract 46.04; Bernalillo County; New Mexico	Census Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[1,2]
Occupational Profile (2023)					**Data from ACS 2023 5-year estimates on data profiles (year 2023)**								
EMPLOYMENT STATUS													
Population 16 years and over	1,705,686	552,116	3,503	3,796	4,211	3,052	2,541	2,518	3,074	2,556	3,907	3,621	32,779
In labor force	985,090	346,444	1,941	2,371	2,362	1,778	1,293	1,396	1,566	1,229	2,152	1,938	18,026
Civilian labor force	970,453	342,494	1,941	2,357	2,362	1,778	1,293	1,366	1,566	1,229	2,152	1,938	17,982
Employed	912,332	324,498	1,788	2,278	2,077	1,729	1,164	1,303	1,485	1,220	2,125	1,849	17,018
Unemployed	58,121	17,996	153	79	285	49	129	63	81	9	27	89	964
Armed Forces	14,637	3,950	0	14	0	0	0	30	0	0	0	0	44
Not in labor force	720,596	205,672	1,562	1,425	1,849	1,274	1,248	1,122	1,508	1,327	1,755	1,683	14,753
Civilian Labor Force Unemployment Rate	6.00%	5.30%	7.9%	3.40%	12.10%	2.80%	10.00%	4.60%	5.20%	0.70%	1.30%	4.60%	5.26%
Females 16 years and over	864,111	282,864	2,152	2,043	1,852	1,432	1,430	1,562	1,438	1,145	1,936	1,764	16,754
In labor force	462,743	165,763	1,186	1,136	953	680	577	855	708	371	954	704	8,124
Civilian labor force	460,155	164,770	1,186	1,136	953	680	577	855	708	371	954	704	8,124
Employed	433,451	156,586	1,121	1,136	809	649	492	815	700	371	943	666	7,702
Own children of the householder under 6 years	131,009	39,269	115	461	336	275	278	127	164	121	266	170	2,313
All parents in family in labor force	83,102	26,972	78	365	182	75	149	126	89	0	190	11	1,265
Own children of the householder 6 to 17 years	304,745	92,006	806	676	592	300	637	723	656	514	918	778	6,600
All parents in family in labor force	211,009	69,739	637	643	358	125	297	662	464	160	713	538	4,597
OCCUPATION													
Civilian employed population 16 years and over	912,332	324,498	1,788	2,278	2,077	1,729	1,164	1,303	1,485	1,220	2,125	1,849	17,018
Management, business, science, and arts occupations	367,884	148,906	400	840	522	426	108	312	451	430	417	383	4,289
Service occupations	173,458	56,856	524	465	512	209	414	217	206	112	280	299	3,238
Sales and office occupations	178,934	64,351	475	416	305	559	179	301	396	78	575	389	3,673
Natural resources, construction, and maintenance occupations	96,700	25,691	231	261	450	317	267	220	201	201	498	478	3,124
Production, transportation, and material moving occupations	95,356	28,694	158	296	288	218	196	253	231	399	355	300	2,694

Table 6 - Occupational Profiles
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Census Tract 46.03; Bernalillo County; New Mexico	Census Tract 46.04; Bernalillo County; New Mexico	Census Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[1,2]
INDUSTRY													
Civilian employed population 16 years and over	912,332	324,498	1,788	2,278	2,077	1,729	1,164	1,303	1,485	1,220	2,125	1,849	17,018
Agriculture, forestry, fishing and hunting, and mining	34,912	3,200	50	25	0	0	11	76	0	23	16	131	332
Construction	67,074	21,733	62	208	455	251	195	94	105	171	429	403	2,373
Manufacturing	39,432	15,288	104	124	100	44	77	100	104	176	158	127	1,114
Wholesale trade	15,280	6,650	61	194	69	80	7	0	100	56	94	14	675
Retail trade	98,402	33,163	111	71	194	211	66	81	159	101	444	256	1,694
Transportation and warehousing, and utilities	42,989	13,012	28	113	56	231	120	112	40	14	103	58	875
Information	12,710	5,550	50	93	51	44	28	0	52	0	38	68	424
Finance and insurance, and real estate and rental and leasing	42,865	18,656	262	92	24	36	0	114	9	95	53	50	735
Professional, scientific, and management, and administrative and waste management services	114,390	50,802	21	142	177	244	39	89	49	112	298	163	1,334
Educational services, and health care and social assistance	235,067	86,164	653	542	578	329	350	326	328	332	243	385	4,066
Arts, entertainment, and recreation, and accommodation and food services	92,306	31,353	229	345	121	171	158	167	131	40	177	104	1,643
Other services, except public administration	48,833	17,977	98	208	229	65	86	68	181	100	2	28	1,065
Public administration	68,072	20,950	59	121	23	23	27	76	227	0	70	62	688

Note 1: Tract total calculated by summing values from the ten Census tracts with permanent residences within the 4-mile Study Area radius

Note 2: Tract unemployment rate calculated as an average of all ten Census tracts with permanent residences within the 4-mile Study Area radius

Data from: U.S. Census Bureau, U.S. Department of Commerce. "Languages Spoken at Homes." American Community Survey, ACS 5-Year Estimates Data Profiles, Table S1601, 2023, https://data.census.gov/table/ACSST5Y2023.S1601?q=Language+Spoken+at+Home&g=040XX00US35_050XX00US35001_1400000US35001001300,35001004001,35001004300,35001004402,35001004501,35001004502,35001004602,35001004603,35001004604,35001004715. Accessed on February 27, 2025.

Table 7 - Household Income Data for State, County, and Census Tracts
Community Impact Assessment
Universal Waste Systems, Inc. Broadway Transfer Station

	New Mexico	Bernalillo County, NM	Census Tract 13; Bernalillo County; NM	Census Tract 40.01; Bernalillo County; NM	Census Tract 43; Bernalillo County; NM	Census Tract 44.02; Bernalillo County; NM	Census Tract 45.01; Bernalillo County; NM	Census Tract 45.02; Bernalillo County; NM	Census Tract 46.02; Bernalillo County; NM	Tract 46.03; Bernalillo County; New Mexico	Tract 46.04; Bernalillo County; New Mexico	Tract 47.15; Bernalillo County; New Mexico	Totals for All Tracts Within 4-mile radius[1,2]
Income and Benefits (in 2023 Inflation-Adjusted Dollars)													
Total households	825,021	283,609	1,461	1,602	2,026	1,249	1,255	1,116	1,500	1,171	1,516	1,410	14,306
Less than $10,000	54,272	18,051	168	45	202	24	166	96	70	75	136	133	1,115
$10,000 to $14,999	43,018	12,776	77	60	139	93	286	125	141	17	10	3	951
$15,000 to $24,999	75,262	23,721	202	118	365	128	89	137	107	69	163	158	1,536
$25,000 to $34,999	70,207	21,951	135	221	322	105	132	58	130	86	87	109	1,385
$35,000 to $49,999	96,458	32,021	265	174	157	165	245	138	169	239	126	112	1,790
$50,000 to $74,999	140,171	48,782	101	259	315	148	174	162	284	168	277	418	2,306
$75,000 to $99,999	102,241	35,488	228	188	190	161	95	269	204	172	273	196	1,976
$100,000 to $149,999	124,774	45,444	128	316	220	322	16	112	177	213	196	121	1,821
$150,000 to $199,999	59,706	22,060	157	129	89	56	13	4	132	64	189	123	956
$200,000 or more	58,912	23,315	0	92	27	47	39	15	86	68	59	37	470
Median household income (dollars)	62,125	66,514	39,284	69,868	33,370	62,356	30,938	55,000	64,045	61,789	70,147	56,667	54,346
Mean household income (dollars)	85,549	90,528	58,860	83,583	54,711	78,439	40,427	57,022	78,815	81,920	82,578	69,614	68,597
Percentage "Economically Stressed Households"[2,3]	**41%**	**38%**	**58%**	**39%**	**58%**	**41%**	**73%**	**50%**	**41%**	**42%**	**34%**	**37%**	**47%**

Note 1: Total Tracts Values calculated by summing values of tracts containing households within 4-mile radius of proposed facility.

Note 2: "Economically Stressed Households" - households with annual incomes below 150% of the US Department of Health and Human Services Poverty Threshold for a household of 4 persons, calculated to be $42,650, utilizing 2025 poverty threshold of $32,650 (Source: U.S. Department of Health and Human Services, Office of the Assistant Secretary for Planning and Evaluation, 2025)

Note 3: Household income categories with upper limits of $49,999 and less were utilized to evaluate "economically stressed households" give the divisions in income categories utilized by the American Community Survey

Income Data from: U.S. Census Bureau, U.S. Department of Commerce. "Selected Economic Characteristics." American Community Survey, ACS 5-Year Estimates Data Profiles, Table DP03, 2023, https://data.census.gov/table/ACSDP5Y2023.DP03?q=DP03&g=010XX00US_040XX00US35_050XX00US35001_1400000US35001001202,35001001300,35001004001,35001004300,35001004402,35001004501,35001004502,35001004602,35001004603,35001004604,35001004715,35001940700,35001980000. Accessed on February 24, 2025.

ATTACHMENT 1

PHOTOGRAPHS WITHIN STUDY AREA KEYED TO FIGURE 7

Photo 1. South of BTS property from Broadway Blvd. looking west

Photo 2. View from Broadway Blvd. south of BTS property looking northeast

Photo 3. BTS property from west edge of Broadway Blvd. looking east

Photo 4. Property to north of BTS (from Broadway Blvd. looking north)

Photo 5. Property to south of BTS (from Broadway Blvd. looking south)

Photo 6. Property to southwest of BTS (from Broadway Blvd. looking southwest)

Photo 7. View from eastern edge of Broadway Blvd. looking west

Photo 8. View from I-25 northeast of BTS property looking southwest towards BTS property

Photo 9. View from I-25 northeast of BTS property looking west towards Rio Grande

Photo 10. View from I-25 east of BTS property looking west

Photo 11. View from I-25 southeast of BTS property looking northwest

ATTACHMENT 2

CO2 EMISSION CALCULATION SHEET

Attachment 3 - CO2 Emissions Calculations
Community Impact Assessment
Universal Waste Systems Broadway Transfer Station

Assumed Values	Value	Units	Description/Assumptions	Source:
CO2 generated per gallon Diesel Fuel burned:	**22.46**	lbs/gal	**Carbon Dioxide Emissions Coefficients**	(2024) Carbon Dioxide Emissions Coefficients. US Energy Information Administration. Online.
Fuel Economy for Transfer Truck	6.9	miles/gallon Diesel	Bureau of Transportation Statistics Average mpg for Combination (Tractor Trailer) Truck	Bureau of Transportation Statistics - Combination Truck
Collection Truck Capacity	35	cubic yards	Mid-High capacity side-load or front-load collection vehicle	AMRE Products, Technical Specifications
Average Distance Haul, Bernalillo County to Cerro Colorado LF	40	miles/round trip	Assume average distance a collection truck in Bern Co. would have to drive to get to Cerro Colorado LF, round trip	Google Maps - central county to Cerro Colorado LF Scale House
Average Distance Haul, Bernalillo Co. to BTS	20	miles/round trip	Assume average distance a collection truck in Bern Co. would have to drive to get to BTS, round trip	Google Maps - north-central county to BTS
Fuel Economy, Collection Truck, Highway	7.9	miles/gallon Diesel	No good info for Refuse Trucks on Highway - used single-unit truck from Bureau of Transportation	Bureau of Transportation Statistics - Single-Unit Truck
Transfer Trailer Capacity	140.8	cubic yards	Equipment Specification	BTS Permit Application Operations Plan, Vol II page 40
Haul Distance, BTS to Cerro Colorado LF	42	miles/round trip	Google Maps Distance - BTS to Cerro Colorado via Dennis Chavez	Google Maps - BTS to Cerro Colorado Scale House
Anticipated Hauls per day (max acceptance of 1200 tons/day)	45	round trips/day	Max stated in Permit Application	BTS Permit Application Operations Plan, Vol II page 74
Max Tonnage MSW Transferred	1200	tons/day	Max stated in Permit Application	BTS Permit Application Operations Plan, Vol II page 43
Average Density MSW, mixed, compacted	400	pounds/cubic yard	Lower Value of Compacted MSW, assumes compaction in truck	EPA Volume-to-weight Conversion Factors, 2016 Update to 1997 "Measuring Recycling: A Guide for State and Local Governments."
Calculation - Transfer Station Operation				
Max Volume MSW transferred each day	6000	cubic yard/day	assumes 1200 tons processed each day at BTS utilizing density indicated above	
Number of delivery vehicles each day	171	collection trucks/day	assumes all MSW transferred from standard collection truck with capacity indicated above	
Distance Driven by collection trucks to BTS	3420	miles/day	Assumes average round trip distance above for each delivery truck	
weight per transfer load	28.2	tons/load	Tons per Load using density of MSW and Trailer Capacity	
Weight per load in tons based of 45 trips/day	26.7	tons/load	Tons per Load assuming 1200 ton/day acceptance and 45 loads/day	
No. Loads from Collection in Transfer Truck	4			
Anticipated Hauls per day (max acceptance of 1200 tons/day)	45	round trips/day	Anticipated hauls per day from Permit	
Miles driven by Semis to transfer 1200 tons/day	1890	miles/day	Total mileage for 45 round trips from BTS to Cerro Colorado	
Total Mileage assuming construction Transfer Station	5310	miles/day	Total Mileage for Collection and Transfer Trucks	
Calculation - Existing Operations, no BTS				
Max Volume MSW hauled each day	6000	cubic yard/day	assumes 1200 tons collected and delivered to Cerro Colorado LF utillizing density above	
Number of delivery vehicles each day	171	collection trucks/day	assumes all MSW transferred from standard collection truck with capacity indicated above	
Distance Driven by collection trucks to Cerro Colorado	6840	miles/day	Assumes average round trip distance above for each collection truck	
No. Loads from Collection in Transfer Truck	67.1			
Anticipated Hauls per day (max acceptance of 1200 tons/day)	45	round trips/day	Anticipated hauls per day from Permit	
	6840	miles/day	Total Mileage, Collection Trucks	
Miles driven by Collection Vehicles to transfer 1200 tons/day				

Estimates Assuming the Same Fuel Efficiency Between Collection & Transport Vehicles (Conservative)

	Equipment Mileage	Gallons Fuel, Assuming Same MPG for each	Pounds CO2 Generated
Existing Mileage, no BTS, Collection Vehicles, Cerro Colorado Haul	6840	991	22265
Proposed Mileage, with BTS, Collection & Transfer Vehicles, Cerro Colorado Haul	5310	770	17284

CO2 Savings/Day, assuming max capacity (lbs)	**4980**
Percentage Reduction	**22%**

Estimates Assuming Fuel Efficiency of 8 Miles/Gallon for Collection Vehicles, 7 Miles/Gallon for Transport Vehicles (Less Conservative)

	Equipment Mileage	Gallons Fuel, Assuming 8 MPG Collection, 6 MPG	Pounds CO2 Generated
Existing Mileage, no BTS, Collection Vehicles, Cerro Colorado Haul	6840	866	19446
Proposed Mileage, with BTS, Collection & Transfer Vehicles, Cerro Colorado Haul	5310	707	15875

CO2 Savings/Day, assuming max capacity (lbs)	**3571**
Percentage Reduction	**18%**