APPENDIX B

REVISED NOTICE OF PREPARATION
(October 8, 1999)
REVISED NOTICE OF PREPARATION

DATE: October 8, 1999

TO: Responsible and Trustee Agencies, County and Local Agencies, and Interested Public and Groups

FROM: Mr. Mark Schleich, Interim Deputy Director County of Santa Barbara Public Works Department Solid Waste and Utilities Division 109 East Victoria Street Santa Barbara, CA 93101

SUBJECT: Revised Notice of Preparation of an Environmental Impact Report (Original Notice of Preparation - Distributed April 1, 1998) State Clearinghouse No. 98041003

PROJECT NAME: Tajiguas Landfill Expansion Project

The Santa Barbara County Public Works Department is the Lead Agency responsible for preparation of an Environmental Impact Report (EIR) for the proposed expansion of the Tajiguas Landfill (Tajiguas) in Santa Barbara County. In accordance with Section 15082 of the California Environmental Quality Act (CEQA) Guidelines, a Notice of Preparation (NOP) was first distributed on April 1, 1998 to provide information regarding the proposed "front canyon" expansion of Tajiguas to provide an additional 25 years of municipal solid waste disposal capacity for Santa Barbara County. The April 1998 NOP was distributed to responsible and trustee agencies, County and local agencies, and interested groups and members of the public.

Subsequent to the distribution of the April 1998 NOP, the County Public Works Department identified an alternative configuration for the proposed expansion of Tajiguas. The proposed expansion configuration included in the April 1998 NOP was for the lateral and vertical expansion of the existing landfill located in the "front canyon" of Tajiguas. As an alternative to the expansion of the existing landfill in the "front canyon", County staff identified a "back canyon" configuration for the proposed expansion of Tajiguas.

The Santa Barbara County Board of Supervisors (Board) appointed a Community Advisory Committee (CAC) to identify possible alternatives to the proposed expansion of Tajiguas. After consideration of the CAC and public input, the Board directed County staff to modify the proposed project to be addressed in the EIR to consist of a 15-year capacity expansion of Tajiguas. The EIR will analyze both the "front canyon" and "back canyon" configurations.
This Revised NOP is a request for comment on the scope of environmental issues that you or your organization believes should be addressed in the EIR regarding the proposed 15-year capacity expansion of Tajiguas (either the "Front Canyon" or the "Back Canyon" Expansion Configuration). Attached is a "scoping paper" which describes the issues currently anticipated to be addressed in the EIR. Various Santa Barbara County decision makers (i.e., Board of Supervisors, Planning Commission), County agencies (i.e., Environmental Health Services Division as the Local Enforcement Agency [LEA], Santa Barbara County Fire Department), and responsible agencies (i.e., Regional Water Quality Control Board - Central Coast Region [RWQCB], California Integrated Waste Management Board [CIWMB], Santa Barbara County Air Pollution Control District [APCD]), will need to use the EIR prepared by the County Public Works Department when considering the issuance of permits or other actions related to the proposed 15-year capacity expansion of Tajiguas.

A description of the proposed 15-year capacity expansion of Tajiguas (both the "Front Canyon" and "Back Canyon" Expansion Configurations), the project location, and an overview of the potential environmental effects of the proposed landfill expansion are provided in the attached materials (see Attachment A - Tajiguas Landfill Expansion Project, Revised Notice of Preparation Scoping Paper).

In accordance with the time limits established by CEQA, your response to this Revised NOP must be received at the address underlined below at the earliest possible date, but not later than Monday, November 8, 1999 (30 days after the issuance of this notice). Your response should include your name, your agency’s or organization’s name, your address, and if applicable, the name of the specific contact person in your agency or organization. Comments should be mailed or hand delivered to: County of Santa Barbara, Public Works Department, Solid Waste and Utilities Division, 109 E. Victoria Street, Santa Barbara, California 93101. Attention: Ms. Imelda Cragin.

In addition to this Revised NOP, the Santa Barbara County Public Works Department, Solid Waste and Utilities Division will conduct two Public Forums and two Scoping Meetings.

The Public Forums will provide an informal opportunity for interested persons to discuss and ask questions regarding the proposed 15-year capacity expansion of Tajiguas. County staff will also discuss how the public can participate in the EIR process. At these meetings, there will be an opportunity for questions and answers.

The Public Forums will be held on:

October 14, 1999  Betteravia Government Center Complex  7:00 p.m. - 9:30 p.m.
Santa Barbara County
Board of Supervisors Hearing Room
511 East Lakeside Parkway
Santa Maria, California

October 18, 1999  Goleta Valley Community Center  7:00 p.m. - 9:30 p.m.
5679 Hollister Avenue
Goleta, California

Two Scoping Meetings will also be held to accept testimony regarding issues of concern that should be evaluated in the EIR. These Scoping Meetings are different from the Public Forum. A Santa Barbara County Planning and Development Department Environmental Hearing Officer will chair both Scoping Meetings and the meeting proceedings will be recorded. The EIR process will be explained at these meetings.
The purpose of the Scoping Meetings is to provide the public and other affected government agencies with a formal opportunity to comment on the environmental issues that should be analyzed in the EIR. The Scoping Meetings will focus on gathering public input on the environmental document and on feasible ways in which project impacts may be mitigated to reduce or eliminate the significance of the impact. The opportunity for questions and answers at the Scoping Meetings will be limited due to the focus on the gathering of public comment. Interested persons who have questions regarding the proposed 15-year capacity expansion of Tajiguas or the EIR process are encouraged to attend the informal Public Forum noted in the previous paragraphs.

The Scoping Meetings will be held on:

November 1, 1999   Santa Barbara County
                   Planning Commission Hearing Room
                   123 E. Anapamu Street
                   Santa Barbara, California               7:00 p.m. - 9:30 p.m.

November 2, 1999   Pea Soup Andersen's Restaurant
                   376 Avenue of Flags
                   Buellton, California                     7:00 p.m. - 9:30 p.m.

Please contact Ms. Imelda Cragin at (805) 882-3613, if you have any comments or questions regarding the proposed expansion of Tajiguas. Your interest and participation in the preparation of the EIR for the Tajiguas Landfill Expansion Project is appreciated.

Respectfully,

Mark A. Schleich
Interim Deputy Director - Solid Waste and Utilities Division

IAC/MS:gn
Attachment A: Tajiguas Landfill Expansion Project, Revised Notice of Preparation Scoping Paper

c: Clerk of the Board (please post for 30 days)
ATTACHMENT A

TAJIGUAS LANDFILL EXPANSION PROJECT

REVISED NOTICE OF PREPARATION
SCOPING PAPER

COUNTY OF SANTA BARBARA
PUBLIC WORKS DEPARTMENT

INTRODUCTION
The County of Santa Barbara (County), Public Works Department, Solid Waste and Utilities Division will be the Lead Agency for the preparation of an Environmental Impact Report (EIR) that will evaluate the proposed 15-year capacity expansion of the Tajiguas Landfill (Tajiguas). As discussed in the October 8, 1999 Revised Notice of Preparation (NOP), the EIR will analyze two configurations for the proposed 15-year capacity expansion of Tajiguas referred to as the "Front Canyon" and "Back Canyon" Expansion Configurations.

In accordance with Section 15082 of the California Environmental Quality Act (CEQA) Guidelines, this Revised Notice of Preparation (NOP) Scoping Paper has been prepared to provide an overview of the proposed 15-year capacity expansion of Tajiguas and the potential environmental effects of the proposed expansion. This supplemental information is provided to assist responsible and trustee agencies, County and local agencies, interested groups and members of the public in identifying environmental information that should be addressed in the EIR, including significant environmental issues, reasonable alternatives, and mitigation measures.

PROJECT OBJECTIVES
The proposed expansion of Tajiguas is intended to expand the solid waste disposal capacity of this existing County owned and operated landfill to meet the waste disposal needs for Santa Barbara County and its cities for 15 years. An expansion of the existing landfill is proposed to accomplish this goal. The following two configurations for the expansion of Tajiguas will be analyzed in the EIR:

- "Front Canyon Expansion Configuration": This configuration involves the lateral and vertical expansion of the existing landfill within and primarily adjacent to the "front canyon" of Tajiguas. The "front canyon" is the location of the existing landfill.

  The "Front Canyon" Expansion Configuration would create approximately 7.5 million cubic yards (cy) of additional disposal capacity, and would extend the service life of the landfill by approximately 15 years.

- "Back Canyon Expansion Configuration": This configuration involves expanding the existing landfill into the "back canyon" of Tajiguas. The "back canyon" of Tajiguas is currently permitted for use as a borrow area for the soil cover material for the existing landfill and has been subject to extensive grading. It is also used for the storage and processing (grinding) of green waste into mulch.

  The "Back Canyon" Expansion Configuration would create approximately 7.5 million cy of additional disposal capacity, and would extend the service life of the landfill by approximately 15 years.
The objectives of the expansion of Tajiguas are as follows:

- Provide approximately 15 years of additional reliable and cost-effective municipal solid waste disposal services for the residents of Santa Barbara County.
- Meet the minimum 15-year county disposal capacity requirements of the California Integrated Waste Management Act and the goals of the County's Integrated Waste Management Plan.
- Provide a well-managed municipal solid waste disposal facility to maximize the control necessary to assure the safe disposal of solid waste generated in the County of Santa Barbara for the next 15 years.

PROJECT LOCATION AND SURROUNDING LAND USES

The proposed 15-year capacity expansion of Tajiguas would be located at Tajiguas, which is an existing County-owned and operated municipal solid waste disposal facility. Tajiguas is located in a coastal canyon known as Canada de la Pila, approximately 26 miles west of the City of Santa Barbara. The landfill is approximately 1,600 feet north of U.S. Highway 101. The location of Tajiguas is shown on the Regional Location Map (Figure 1) and on the Tajiguas Landfill Site Vicinity Map (Figure 2).

U.S. Highway 101, the Union Pacific Railroad tracks, and the Pacific Ocean are located south of the landfill as shown on Figure 2. Properties that are adjacent to the landfill site are used primarily for agriculture or open space. The residential community of Arroyo Quemada is located on the coast, approximately 2,000 feet southeast of the landfill.

PROJECT BACKGROUND

Tajiguas was opened by the County in 1967 for the disposal of municipal solid waste. The existing landfill is located on portions of two County-owned parcels, APN # 081-150-019 and APN # 081-150-026 (see Figure 2). The existing landfill is primarily located on a 130-acre, County-owned parcel (APN # 081-150-019) referred to as the "front canyon" (see Figure 2). Approximately 69 acres of this parcel have been used for the disposal of municipal solid waste. North of the landfill, is a 282-acre County-owned parcel (APN # 081-150-026) referred to as the "back canyon" (see Figure 2). Currently, approximately 9 acres of the existing landfill footprint extends into the 282-acre County-owned "back canyon". A portion of the remaining 273 acres of the "back canyon" has been utilized for soil excavation operations to provide cover material for the landfill and for the processing (grinding) of green waste and the storage of green waste mulch.

Solid waste currently delivered to Tajiguas is generated by the City of Santa Barbara, the unincorporated areas of southern Santa Barbara County, and the Cuyama Valley. Waste is transported to the landfill from the Santa Barbara County Transfer Station, the New Cuyama Transfer Station and the Ventucopa Transfer Station. Private waste collection companies and limited numbers of private individuals also haul waste to Tajiguas.

In 1998, the landfill accepted an average of approximately 775 tons per day of solid waste for disposal while operating six days a week. It is expected that when landfilling operations cease at the County-operated Foxen Canyon Landfill, and transfer station operations begin at that facility in 2002, approximately 104 tons per day of solid waste from the Santa Ynez Valley will also be delivered to Tajiguas.
Based on the applicable regulations in effect at the time of the initial development of Tajiguas, the majority of the area that has been used for waste disposal rests on marine shale/claystone and is unlined. A composite liner system has been installed along a portion of the eastern canyon wall that forms the eastern limit of the landfill.

A landfill gas collection system was installed at Tajiguas in 1998, as part of the ongoing landfill operations. Landfill gas (primarily methane) that is collected is currently being destroyed through the use of a flare; however, in the future, collected landfill gas could be used to generate electricity. A Conditional Use Permit for a landfill gas collection system at this site was approved by the County in 1995.

Under its current permits, it is anticipated that Tajiguas can operate under current methods (i.e., completion of the top deck fill) until early 2000. The County has implemented a Solid Waste Facility Permit revision process, which, once the revised permit is approved, would allow the regrading and recontouring of the outside slopes of the landfill for the placement of trash. This process would provide Tajiguas with an estimated additional 5 years of life (until 2005) before its permitted capacity is exhausted.

At this time, the County has not designated or otherwise identified an alternative waste disposal site to accept the solid waste generated in southern Santa Barbara County, the Cuyama Valley, and/or the Santa Ynez Valley after Tajiguas reaches its currently permitted capacity. [An analysis of alternatives will be included in the EIR.]

In order to implement the proposed landfill expansion project, the Santa Barbara County Public Works Department will need to secure approvals by Santa Barbara County decision makers and agencies and revise the landfill operating permits.

PROPOSED PROJECT DESCRIPTION
The proposed project consists of two landfill expansion configurations at Tajiguas: The "Front Canyon" Expansion Configuration and the "Back Canyon" Expansion Configuration. The location of these landfill expansion configurations are presented in Figure 3 - "Front Canyon" Expansion Configuration Site Vicinity Map and in Figure 4 - "Back Canyon" Expansion Configuration Site Vicinity Map. Both "Front Canyon" and "Back Canyon" Expansion Configurations will be analyzed at project level in this EIR.

"Front Canyon" Expansion Configuration
The "Front Canyon" Expansion Configuration for the 15-year capacity expansion of Tajiguas would consist of a lateral and vertical expansion of the existing landfill (see Figure 5 - "Front Canyon" Expansion Configuration Site Plan and Figure 6 - Cross Sections of the "Front Canyon" Expansion Configuration). Waste disposal operations would continue to occur on a portion of the 130-acre "front canyon" portion of the project site. This configuration involves the lateral expansion of the landfill from the "front canyon" into the "back canyon" (see Figure 5).

The waste footprint of the "Front Canyon" Expansion Configuration is approximately 70 acres in total area. Under this configuration, approximately 17 acres on the existing landfill and an additional 53 acres as a lateral expansion in both the "front canyon" and "back canyon" would be utilized for solid waste disposal. In addition, a portion of the remaining area in the "back canyon" would continue to be utilized for the excavation and stockpiling of soil material to be used for required landfill operations soil needs.
The vertical component of the "Front Canyon" Expansion Configuration involves an increase in the final elevation of the existing landfill from its currently permitted elevation of 500 feet above mean sea level (msl) to a maximum final elevation of 680 feet above msl (see Figure 5). As shown in Figure 5, the area of vertical expansion on the existing landfill for the "Front Canyon" Expansion Configuration is north of the approximate boundary of the Coastal Zone. Within the Coastal Zone, the maximum elevation of the landfill will remain at 400 feet above msl as currently permitted.

The "Front Canyon" Expansion Configuration would provide approximately 7.5 million cy of additional air space that could be utilized for the disposal of approximately 4.5 million tons of additional solid waste. This additional estimated waste tonnage will vary with soil usage and density of waste. The "Front Canyon" Expansion Configuration would provide approximately 15 years of additional solid waste disposal capacity at Tajiguas.

The major components of the "Front Canyon" Expansion Configuration are summarized as follows:

- **Lateral and Vertical Expansion of the Northern Landfill Face:** Under the "Front Canyon" Expansion Configuration, a lateral and vertical expansion in both the "front canyon" and "back canyon" of an area approximately 53 acres would be utilized for solid waste disposal (see Figure 5). The ridge located north of the northeast portion of the existing landfill would be graded to a maximum slope of approximately 2 to 1 (horizontal to vertical) with benches. A composite sideslope liner system meeting federal and state standards would be installed on the slope of the ridge north of the landfill before any additional waste could be placed in that area.

- **Vertical Expansion of the Existing Landfill:** This component of the "Front Canyon" Expansion Configuration would increase the maximum elevation limits of the landfill outside the Coastal Zone to 680 feet above msl (see Figure 5). Before waste can be placed on the eastern portion of Canada de la Pila canyon above 500 feet, a composite sideslope liner system would need to be installed. Prior to liner installation, portions of the eastern slope that forms the eastern edge of the landfill would be graded to a maximum slope of 2 to 1 (horizontal to vertical) with benches on the Tajiguas property to facilitate sideslope liner placement (see Figure 6). The grading will also include an area of approximately three acres on the adjacent County-owned Baron Ranch property. The graded area on the Baron Ranch will have a maximum slope of 1.5 to 1 (horizontal to vertical). No waste is proposed to be placed on the Baron Ranch property (see Figure 6). The final configuration of the landfill surface at its final grade will include an appropriate slope to promote positive drainage, which will stay within the Pila Creek watershed.

As discussed, the vertical expansion of the existing landfill as part of the proposed "Front Canyon" Expansion Configuration does not include a vertical expansion of that portion of the existing landfill that is within the designated Coastal Zone (see Figure 5). Within the Coastal Zone, the maximum elevation of the landfill will remain at 400 feet above msl as currently permitted.
Additional Components: The proposed landfill expansion project also includes several additional components that will require implementation if the proposed expansion project is approved. These components include the construction of a new scalehouse and associated sewage management system, construction of a new maintenance shop, modification of the existing drainage system to convey storm water from the site, modification of existing sedimentation basins, installation of additional landfill gas collection system components (i.e., additional landfill gas extraction wells and landfill gas and condensate conveyance piping) as the landfill area increases in size, and modifications to the intersection of the landfill entrance road and U.S. Highway 101.

The western slope of Canada de la Pila adjacent to the landfill access road in the “front canyon” would be cut and graded for stability to a maximum slope of approximately 2 to 1 (horizontal to vertical) with benches. Approximately 2.4 million cy of soil may be removed and utilized for final cover material at landfill closure.

"Back Canyon" Expansion Configuration
The “Back Canyon” Expansion Configuration for the expansion of Tajiguas would consist primarily of a lateral and vertical expansion of the existing landfill in the “front canyon” into the “back canyon.” It would also include a limited vertical expansion of the existing landfill (see Figure 7- “Back Canyon” Expansion Configuration Site Plan and Figure 8 - Cross Sections of the “Back Canyon” Configuration). Waste disposal operations would continue to occur on a portion of the 130-acre “front canyon” area of the project site. This configuration involves the lateral expansion of the landfill from the “front canyon” into the “back canyon” (see Figure 7).

The waste footprint of the “Back Canyon” Expansion Configuration is approximately 80 acres in total area. Under this configuration, approximately 13.5 acres on the existing landfill and an additional 66.5 acres that comprise the lateral and vertical expansion in both the “front canyon” and “back canyon” would be utilized for solid waste disposal. In addition, a portion of the "back canyon" would continue to be utilized for the excavation and stockpiling of soil material to be used for required landfill operations soil needs as the “Back Canyon” Expansion Configuration is constructed.

The "Back Canyon" Expansion Configuration would provide approximately 7.5 million cy of additional air space that could be utilized for the disposal of approximately 4.5 million tons of additional solid waste. This additional estimated waste tonnage will vary with soil usage and density of waste. The "back canyon" configuration would provide approximately 15 years of additional solid waste disposal capacity at Tajiguas.

The major components of the "back canyon" configuration are summarized as follows:

- Lateral and Vertical Expansion: The area located north of the existing landfill in the “front canyon” is currently used for the excavation of soil cover material for the landfill. As part of the proposed “Back Canyon” Expansion Configuration, the waste footprint of this proposed configuration which is outside of the current landfill waste footprint and the eastern sideslope of the “back canyon” would be lined with a composite liner system meeting federal and state standards, and utilized for waste disposal (see Figures 7 and 8). Waste would be placed on the bottom liner, against the north-facing slope of the existing landfill in this area and against the eastern sideslope of the “back canyon”
Limited Vertical Expansion of the Existing Landfill: In addition to the lateral and vertical expansion into the "back canyon", this configuration also includes a limited vertical expansion of the existing landfill in the "front canyon." This component would raise the maximum elevation limits of the existing landfill from 500 feet outside the Coastal Zone to a maximum of 700 feet above msl (see Figure 7). As shown on Figures 7 and 8, a portion of the vertical expansion of the "front canyon" as part of this configuration will be on an existing or new composite liner system meeting federal and state standards. The final configuration of the landfill surface at its final grade will include an appropriate slope to promote positive drainage.

Additional Components: The proposed "Back Canyon" Expansion Configuration also includes several additional components that will require implementation if the proposed expansion is approved. These components include the construction of a new scalehouse and associated sewage management system, construction of a new maintenance shop, modification of the existing drainage system to convey storm water from the site, modification of existing sedimentation basins and construction of a new sedimentation basin, installation of additional landfill gas collection system components (i.e., additional landfill gas extraction wells and landfill gas and condensate conveyance piping) as the landfill area increases in size, and modifications to the intersection of the landfill entrance road and U.S. Highway 101.

The western slope of Canada de la Pila adjacent to the landfill access road in the "front canyon" would be cut and graded for stability to a maximum slope of approximately 2 to 1 (horizontal to vertical) with benches. Approximately 2.4 million cy of soil may be removed and utilized for final cover material at landfill closure.

Other Approvals/Permit Requirements: The following approvals and/or permits are necessary prior to implementation of the 15-year capacity expansion of Tajiguas ("Front Canyon" or "Back Canyon" Expansion Configuration):

- An EIR certified by the County of Santa Barbara.
- A Conditional Use Permit granted by the County of Santa Barbara.
- A finding of consistency with the County Comprehensive Plan pursuant to Public Resources Code Section 50000.5.
- A Coastal Development Permit granted by the County Planning and Development Department
- Revised Waste Discharge Requirements issued by the California Regional Water Quality Control Board - Central Coast Region (RWQCB).
- A revised Solid Waste Facilities Permit issued by the Local Enforcement Agency (LEA) with concurrence from the California Integrated Waste Management Board (CIWMB). The LEA is the Santa Barbara County Environmental Health Services Division.
POTENTIAL ENVIRONMENTAL EFFECTS
The proposed 15-year capacity expansion of Tajiguas would have the potential to affect the environment. The level of significance of the potential impacts will be assessed in the EIR based upon specific "significance thresholds" for each environmental topic. Appendix G of the CEQA Guidelines and Santa Barbara County’s Environmental Thresholds Guidelines Manual will be used to establish the criteria on which the potential impacts will be assessed in the EIR to determine their significance.

A preliminary overview of the potential environmental impacts that could result from the proposed landfill expansion that will be evaluated in the EIR is provided as follows.

Geology
"Front Canyon" or "Back Canyon" Expansion Configurations
The proposed grading of existing slopes, along with the creation of new landfill slopes for both the "Front Canyon" and "Back Canyon" Expansion Configurations for expansion of Tajiguas, have the potential to result in erosion, sedimentation, and slope stability impacts. An earthquake along a nearby fault, or a major earthquake on a distant fault, would have the potential to result in slope stability impacts and/or damage to containment systems such as low permeability liners, leachate and gas collection systems, and the low permeability final cover that will be placed over the landfill when waste disposal operations are concluded. Settlement that results from the natural decomposition of solid waste can also cause impacts to containment systems. The significance of the potential impacts from earthquakes and other geologic hazards, erosion, slope stability, and settlement for both landfill expansion configurations will be evaluated in the EIR.

Water Resources
"Front Canyon" or "Back Canyon" Expansion Configurations
The "Front Canyon" and "Back Canyon" Expansion Configurations for the expansion of Tajiguas could alter the drainage characteristics of the site as a result of grading and filling operations. Changes to the topography of the site, the removal of existing vegetation, and alterations to existing drainage culverts and channels, have the potential to result in erosion and sedimentation. The potential effects of a 100-year storm event to the drainage facilities and potential flooding at the site would be evaluated in the EIR. Other potential impacts to onsite, offsite, and ocean water quality could result if storm water runoff comes in contact with waste material. The EIR will also address the potential for the landfill to contribute to bacteria levels in onsite, offsite, and ocean waters in the project vicinity.

The potential that the quality of ground water beneath the site may be affected by liquids which may have come into contact with solid waste, the disposal of household hazardous materials into the landfill, and the generation of landfill gas will be evaluated in the EIR. The methods and design features that would minimize the potential for impacts to groundwater quality will be evaluated in the EIR, along with an evaluation of monitoring programs to detect if ground water quality impacts are occurring. The methods and design features to prevent or control the migration of potentially affected impacted water from beyond the site will also be evaluated in the EIR.

The landfill uses water for dust control and other industrial uses. The potential that water use by the landfill could affect groundwater supplies in the area will be evaluated in the EIR.
Traffic
"Front Canyon" or "Back Canyon" Expansion Configurations
In 1998, Tajiguas landfill operations generated approximately 80 average daily vehicle trips (one-way trips) to the site. Continued waste disposal operations at the landfill, in conjunction with population growth and increased waste generation in the landfill service area, has the potential to increase the volume of traffic traveling to the landfill. Expansion of the landfill service area to include northern Santa Barbara County and the disposal of solid waste from the Santa Ynez Valley would also increase landfill-related traffic. The EIR will quantify and evaluate the increase in traffic generated by the expanded landfill and its potential to result in traffic volume and safety impacts. The EIR will also evaluate the potential traffic safety impacts at the landfill access road intersection with U.S. Highway 101.

Air Quality
"Front Canyon" or "Back Canyon" Expansion Configurations
The EIR will evaluate the potential that continued waste disposal operations at Tajiguas could result in air quality impacts from the disposal of additional waste and the generation of landfill gas, the creation of fugitive dust from grading operations and vehicles traveling on paved and unpaved roads, the operation of heavy landfill equipment, the transportation of waste material to the landfill, and the operation of a landfill gas collection system. The EIR will evaluate the landfill expansion configurations' compliance with emission thresholds established by federal, state, and Santa Barbara County agencies, the potential for nuisance impacts resulting from fugitive dust emissions, and potential health risk impacts resulting from landfill and vehicle emissions.

Biology
"Front Canyon" or "Back Canyon" Expansion Configurations
Portions of the "front canyon" and "back canyon" areas of Tajiguas have not been subject to biological resource surveys. Therefore, it is not known if proposed ground-disturbing activities for expansion of the landfill in the unsurveyed areas of the either the "front canyon" or "back canyon" may have the potential to result in impacts to biological resources. The EIR will evaluate the potential biological resource impacts in the "front canyon" and "back canyon" portion of the site as it relates to both the "Front Canyon" and "Back Canyon" Expansion Configurations.

Cultural Resources
"Front Canyon" or "Back Canyon" Expansion Configurations
The "back canyon" area of Tajiguas and portions of the "front canyon" have been previously surveyed for the presence of archaeological, ethnic, and historic resources. These surveys did not uncover any potentially significant resources. Portions of the "front canyon" area, however, have not been subject to cultural resource surveys. Therefore, it is not known if proposed ground-disturbing activities for expansion of the landfill in the unsurveyed areas of the "front canyon" would have the potential to result in impacts to cultural resources. Potential impacts to cultural resources that may be located in the "front canyon" of the site as it relates to both the "Front Canyon" and "Back Canyon" Expansion Configurations will be evaluated in the EIR.

Noise
"Front Canyon" or "Back Canyon" Expansion Configurations
The continued use of heavy equipment associated with expansion of the landfill at the site, along with landfill-generated traffic, has the potential to result in noise levels that could be disturbing to residences located near the landfill. Potential noise impacts of the proposed landfill expansion configurations will be evaluated in the EIR.
Nuisances
“Front Canyon” or “Back Canyon” Expansion Configurations
The EIR will evaluate the potential that continued waste disposal operations at Tajiguas could result in onsite and offsite nuisance issues, such as odor, dust, litter, noise, seagulls and vectors. The EIR will evaluate the proposed landfill expansion configurations’ compliance with state and local nuisance standards and regulations.

Land Use
“Front Canyon” or “Back Canyon” Expansion Configurations
Land-use-related issues that could potentially be associated with expansion of Tajiguas include the generation of dust, odors, traffic, litter, pests, noise, and landfill gas. The potential for the expanded landfill to result in land use conflicts issues with open space, agricultural, and residential uses that are located in the vicinity of Tajiguas will be evaluated in the EIR. The EIR shall also assess the landfill expansion configurations’ consistency with applicable, goals, policies, and implementation measures that are contained in the Santa Barbara County Comprehensive Plan and Coastal Plan.

Public Facilities
“Front Canyon” or “Back Canyon” Expansion Configurations
Landfills typically result in very little need for law enforcement services and the expansion of Tajiguas would not affect existing health care service facilities. The landfill expansion would not result in significant new employment opportunities or population growth; therefore, impacts to schools would not be significant. The remaining life span of current employment at the landfill would be expanded with the proposed increased operational life of the facility. The landfill expansion configurations have been designed to meet 15 years of waste disposal needs for Santa Barbara County. Sewage disposal requirements at the site would be limited to employees and site visitors and would continue to be provided by an onsite sewage management system. Installation of an additional onsite sewage management system would be required to support the new scalehouse and maintenance shop that would be constructed as part of the project. Therefore, both of the proposed landfill expansion configurations at Tajiguas would not result in significant impacts to public facilities.

Energy
“Front Canyon” or “Back Canyon” Expansion Configurations
The expansion of Tajiguas would not result in a significant increase in the level of average daily heavy equipment use in the near term at the landfill, and thus, would not have the potential to result in a substantial increase in the near-term use of fuel at the landfill. The expansion of the landfill would, however, prolong the use of Tajiguas by 15 years and the level of average daily operations, and related energy use may increase over time in response to regional population-related increases in waste generation. The methane that is to be recovered from the landfill by the landfill gas collection system may be used in the future to generate electricity. This aspect of the proposed expansion of Tajiguas could result in beneficial energy impact. Potential energy impacts of the proposed landfill expansion configurations will be evaluated in the EIR.

Fire Protection
“Front Canyon” or “Back Canyon” Expansion Configurations
Tajiguas is located in a high fire hazard area. The disposal of municipal solid waste, “hot loads” in waste disposal trucks, “hot loads” disposed of at the landfill, the use of heavy equipment, and the operation of a landfill gas recovery system, have the potential to result in fire safety issues at the site. The potential for fire safety or fire suppression impacts in regards to the proposed landfill expansion configurations at Tajiguas will be evaluated in the EIR.
• Redirect waste to other existing in-County landfills
  - Foxen Canyon Landfill
  - City of Lompoc Landfill
  - City of Santa Maria Landfill
  - Vandenberg Air Force Base Landfill (a federal facility)
• Expansion of other in-County landfills - (i.e., Foxen Canyon Landfill)
• New in-County landfill sites
• Redirect waste to an out-of-County landfill (via truck and/or rail)
  - Use of existing transfer station
  - New transfer station
• Alternative waste management technologies (in combination with another waste-disposal alternative)
  - Increased source reduction
  - Increased recycling and green waste composting
  - Waste transformation
  - Waste-to-energy
• No Project
  - Since waste would still be generated and require management under this alternative, the No Project alternative would require one of the alternatives listed above to occur.

************
Recreation
“Front Canyon” or “Back Canyon” Expansion Configurations
Public recreation areas closest to Tajiguas are Refugio and El Capitan State Parks, located approximately four and seven miles east of the site, respectively. Implementation of either of the landfill expansion configurations would not have the potential to adversely affect these parks. Continued waste disposal operations at the site may have the potential to conflict with trails that may be planned in the site area. Potential recreation impacts of the landfill expansion configurations will be evaluated in the EIR.

Aesthetics
“Front Canyon” or “Back Canyon” Expansion Configurations
Changes in topography at Tajiguas resulting from site grading, the construction of new landfill slopes, the modification of existing sedimentation basin(s) and/or the construction of a new sedimentation basin for the expansion of the landfill may have the potential to result in visual impacts to public view sheds, such as along U.S. Highway 101. Litter from the landfill also has the potential to result in visual impacts. Potential aesthetic impacts of the proposed landfill expansion configurations will be evaluated in the EIR.

Housing
“Front Canyon” or “Back Canyon” Expansion Configurations
The proposed landfill expansion configurations would not result in substantial population growth or employment opportunities, and no residences would be removed by the proposed project. Potential impacts to housing from either of the landfill expansion configurations are not anticipated to be significant and will not be evaluated in the EIR. [Impacts on “housing” relate to the loss of existing housing units, not compatibility of the landfill expansion with existing residences. Refer to the Land Use section regarding issues of compatibility.]

Public Health and Safety
“Front Canyon” or “Back Canyon” Expansion Configurations
The potential for unintentional disposal of hazardous wastes at the landfill, the generation and migration of landfill gas resulting from the decomposition of organic waste, and the storage of fuel and other hazardous materials at the site, have the potential to result in public health and safety impacts. Potential public health and safety impacts of the landfill expansion configurations will be evaluated in the EIR.

ALTERNATIVES
In addition to the evaluation of potential environmental impacts that may result from the 15-year capacity expansion of Tajiguas, the EIR will evaluate alternatives to the project at Tajiguas. The objective of this analysis will be to identify and evaluate a range of reasonable alternatives that have the potential to accomplish the basic objectives of the project while eliminating or reducing potential significant environmental impacts associated with the project.

At a minimum, alternatives that will be considered in the EIR include the following:

- Reduced Project - (e.g., smaller waste footprint, reduced vertical and/or lateral expansion)
- Tajiguas 25-Year Landfill Expansion Project - (e.g., Tajiguas 25-year “Front Canyon” and 25-year “Back Canyon” Landfill Expansion Configurations)
"FRONT CANYON" EXPANSION CONFIGURATION
SITE VICINITY MAP

TAJIGUAS LANDFILL EXPANSION
SANTA BARBARA, CALIFORNIA

REFERENCE: TOPO WAS GENERATED FROM U.S.G.S. DEM DATA, LANDFILL FOOTPRINT AND EXPANSION CONFIGURATION WERE PROVIDED BY SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE AND UTILITIES DIVISION.
"BACK CANYON" EXPANSION CONFIGURATION SITE VICINITY MAP

TAJIGUAS LANDFILL EXPANSION
SANTA BARBARA, CALIFORNIA

TRC FIGURE 4

REFERENCE: TOPO WAS GENERATED FROM U.S.G.S. DEM DATA. LANDFILL FOOTPRINT AND EXPANSION CONFIGURATION WERE PROVIDED BY SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE AND UTILITIES DIVISION.
"FRONT CANYON"
EXPANSION CONFIGURATION
CROSS SECTIONS

TAJIGUAS LANDFILL EXPANSION
SANTA BARBARA, CALIFORNIA

REFERENCE: EXPANSION CONFIGURATION PROVIDED BY SANTA BARBARA
COUNTY DEPARTMENT OF PUBLIC WORKS SOLID WASTE AND
UTILITIES DIVISION.