

VIII. MITIGATION MONITORING PROGRAM

A. INTRODUCTION

The following mitigation measures have been recommended in this EIR. Requirements of Measure, Applicant Responsibilities, Party Responsible for Verification, Method of Verification, and Verification Timing are included for each mitigation measure, as shown in Table VIII-1 on the following pages.

B. MITIGATION MEASURES

Table VIII-1 on the following pages is structured to enable quick reference to mitigation measures and the associated monitoring program based on the environmental resource. The numbering of mitigation measures correlates with numbering of measures founding the analysis section of this EIR (refer to Section V).

**TABLE VIII-1
Mitigation Monitoring Program**

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
AESTHETIC RESOURCES					
AES/mm-1	Prior to initiation of any components of the proposed project, the applicant shall receive an initial Notice to Proceed from the County Department of Planning and Building. The Notice shall not be issued until all relevant mitigation measures and conditions of approval have been met. Additional Notices shall be required prior to initiation of each module	Comply with those measures required before proceeding with project components	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to initiation of any components of the proposed project
AES/mm-2	Prior to issuance of the Notices to Proceed, the applicant shall provide funding for an environmental monitor for all phases requiring environmental mitigation to ensure compliance with County Conditions of Approval and EIR mitigation measures. The environmental monitor shall be under contract to the County of San Luis Obispo. The monitor shall prepare a construction monitoring plan that will include (1) goals, responsibilities, authorities, and procedures for verifying compliance with environmental mitigations; (2) lines of communication and reporting methods; (3) daily and weekly reporting of compliance; (4) construction crew training regarding environmental sensitivities; (5) authority to stop work; and (6) action to be taken in the event of non-compliance.	Provide funds for a county-hired monitor	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of Notices to Proceed
AES/mm-3	Upon submittal to the Department of Planning and Building, the grading plans for the proposed project shall include the following:	Submit amended grading plans	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building	Upon submittal to the Department of Planning and

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<ul style="list-style-type: none"> a. All slopes constructed by the project shall be contour-graded and shall include variable slope angles ranging from 2:1 to 4:1 or flatter to reduce the uniform appearance of the embankments. b. Slope-rounding shall be used on all access roads and slope benches to eliminate sharp earthwork angles. c. All interim (five years or more) and finished slopes shall include 50 percent native shrubs in the erosion control seeding mix. Native shrubs shall include at least three different species and shall be the type found in the surrounding natural landscape. d. All concrete lined drainage ditches used on slope benches and access roads shall be colored dark brown-grey. 			Department	Building
AES/mm-4	<p>Upon submittal of the grading plans, the applicant shall show the following:</p> <ul style="list-style-type: none"> a. An earthen berm around the edges of the "top deck" to reduce visibility of equipment and trucks associated with the compost operations. b. The berm shall be contour-graded, use slope-rounding, be continuous, and include a variable height profile ranging from ten to 25 feet above the adjacent grade of the top deck. 	Modify grading plans to show earthen berms	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Upon submittal of the grading plans
AES/mm-5	Within one year of issuance of the grading permit, the berm required by AES/mm-4 shall be		County of San Luis Obispo		Within one year of issuance of the

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	constructed.				grading permit
AES/mm-6	<p>Prior to issuance of construction permits for the RRP, the applicant shall submit architectural and engineering plans to the Department of Planning and Building for review and approval. Plans shall include the following:</p> <p>Exterior colors of all new, expanded, and existing buildings and permanent equipment shall be limited to dark muted earth-tones. No reddish-browns shall be used and exterior colors shall be no brighter than six in chroma and value on the Munsell Color Scale on file in the Department of Planning and Building.</p>	Submit architectural and engineering plans	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of construction permits for the RRP
AES/mm-7	<p>Prior to issuance of construction permits for the RRP, the applicant shall submit landscape plans to the Department of Planning and Building for review and approval. Plans shall include the following:</p> <ul style="list-style-type: none"> a. The plans shall show screen planting along the western, southern, and eastern sides of the RRP. b. The screen plants shall include evergreen trees and shrubs for the purpose of screening the structures as seen from the surrounding area. Screen planting shall achieve a 100 percent screening of the structures at plant maturity. Trees shall be densely planted and shall be from a minimum 15-gallon container size. c. Mitigation trees and shrubs shall be maintained in perpetuity. 	Submit landscape plans	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of construction permits for the RRP

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
AES/mm-8	Prior to issuance of construction permits for the RRP , a cost estimate for a planting plan, installation of landscaping, and maintenance of landscaping for a period of ten years shall be prepared by a qualified individual (e.g., landscape contractor) and shall be reviewed and approved by the Department of Planning and Building. Prior to issuance of construction permits for the RRP, a performance bond, equal to the cost estimate, shall be posted by the applicant.	Submit cost estimate for to implement landscaping plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of construction permits for the RRP
AES/mm-9	To guarantee the success of the landscaping, the applicant shall retain a qualified individual (e.g., arborist, landscape architect/ contractor, nurseryman) to monitor the new trees' survivability and vigor until the trees are successfully established, and prepare monitoring reports, on an annual basis, for no less than ten years or until buildings are fully screened, whichever comes first. Based on the submittal of the initial planting letter, the first report shall be submitted to the County Environmental Coordinator one year after the initial planting and thereafter on an annual basis until the monitor, in consultation with the County, has determined that the initially-required vegetation is successfully established. Additional monitoring will be necessary if initially-required vegetation is not considered successfully established. The applicant, and successors-in-interest, agrees to complete any necessary remedial measures identified in the report(s) to maintain the population of initially planted vegetation and approved by the Environmental Coordinator.	Retain qualified consultant to implement landscape plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	One year after the submittal of the initial planting letter, and thereafter on an annual basis

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
AES/mm-10	<p>Upon submittal of the grading plans, the applicant shall show the following:</p> <ul style="list-style-type: none"> a. All stockpiles shall be contour-graded and shall include variable slope angles to reduce the uniform appearance of the embankments. b. Slopes shall employ mechanical erosion control methods such as erosion control blanket as necessary to prevent erosion on contour graded slopes. c. Slope-rounding shall be used on all access roads and slope benches to eliminate sharp earthwork angles. d. All interim and finished slopes shall include 50 percent native shrubs in the erosion control seeding mix. 	Submit modified grading plans	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Upon submittal of the grading plans
AES/mm-11	<p>Prior to submittal of construction permits for the entry monument sign, gate, and gatehouse, the applicant shall develop construction plans that include the following:</p> <ul style="list-style-type: none"> a. Exterior colors of the gatehouse shall be limited to dark muted earth-tones. No reddish-browns shall be used and exterior colors shall be no brighter than six in chroma and value on the Munsell Color Scale on file in the Department of Planning and Building. b. The proposed entry sign or monument shall be of an appropriate scale and proportion for the rural character and the two-lane highway setting. c. The proposed entry sign or monument shall utilize natural-appearing materials such as 	Develop construction plans	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to submittal of construction permits for the entry monument sign, gate, and gatehouse

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	stone and/or wood. Material colors and finishes other than lettering and emblems shall be muted earth tones with low reflectivity.				
AES/mm-12	<p>Prior to issuance of construction permits for any new structures, the applicant shall submit lighting plans to the Department of Planning and Building for review and approval. Plans shall include the following:</p> <ul style="list-style-type: none"> a. The point source of all exterior lighting shall be shielded from off-site views. b. All required security lights shall utilize motion detector activation. c. Light trespass from exterior lights shall be minimized by directing light downward and utilizing cut-off fixtures or shields. d. Lumination from exterior lights shall be the lowest level allowed by public safety standards. e. Lighting shall not be directed such that it illuminates areas beyond the property line, or hills and slopes visible from offsite. f. Light standard heights shall be no higher than necessary. 	Submit lighting plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of construction permits for any new structures
AES/mm-13	<p>Prior to approval of any new construction permits, the applicant shall submit landscape plans to the Department of Planning and Building for review and approval. Plans shall include the following:</p> <ul style="list-style-type: none"> a. The landscape plan shall show screen planting along the entire length of the Landfill frontage along Highway 227. 	Submit modified landscape plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to approval of any new construction permits

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<ul style="list-style-type: none"> b. Planting shall include screening of the access road parallel to Highway 227 and the detention basin south of the existing entrance. c. The screen plants shall include evergreen trees and shrubs emphasizing natives and other species common in the area that are drought tolerant. Screen planting shall achieve a 100% screening density at plant maturity. Trees shall be planted from a minimum 15-gallon container size, except oak trees, 1/3 of which should be from 1-gallon container. d. Screening trees shall be planted in a manner that reflects natural growth. Straight rows and even spacing shall be avoided. e. Screening trees and shrubs shall be protected from browsing and burrowing animals, and maintained in perpetuity. 				
AIR QUALITY					
AQ/mm-1	<p>Prior to commencement of mass grading for module excavation, the applicant shall submit a Construction Activities Management Plan for review and approval by the SLOAPCD. This plan shall include, but not be limited to, the following Best Available Control Technology for diesel-fueled construction equipment:</p> <ul style="list-style-type: none"> a. Minimize the number of large pieces of construction equipment operating during any given period. b. Schedule construction related 	Submit CAMP to SLOAPCD	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and the SLOAPCD	Prior to commencement of mass grading for module excavation

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>truck/equipment trips during non-peak hours to reduce peak-hour emissions.</p> <p>c. Regularly maintain and properly tune all construction equipment according to manufacturer's specifications.</p> <p>d. Fuel all off-road and portable diesel powered equipment including, but not limited to: bulldozers, graders, cranes, loaders, scrapers, backhoes, generators, compressors, and auxiliary power units with CARB motor vehicle diesel fuel.</p> <p>e. Use 1996 or newer heavy duty off road vehicles for at least 75% of the mass grading related heavy equipment.</p> <p>f. Electrify equipment where possible.</p> <p>g. Use Compressed Natural Gas (CNG), liquefied natural gas (LNG), bio-diesel, or propane for on site mobile equipment instead of diesel-powered equipment.</p> <p>h. On and off-road diesel equipment shall not be allowed to idle for more than five minutes.</p> <p>i. To the greatest extent practicable, use Purinox or similar NOX reducing agents diesel fuel.</p> <p>j. To the greatest extent feasible, install catalytic reduction units heavy equipment performing this work.</p>				
AQ/mm-2	<p>Prior to issuance of the grading permit, a Dust Control Plan shall be prepared and submitted to the SLOAPCD for approval prior to commencement of construction activities. The Dust Control Plan shall:</p> <p>a. Use APCD-approved BMPs and dust</p>	Submit Dust Control Plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and the SLOAPCD	Prior to issuance of the grading permit

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>mitigation measures;</p> <ul style="list-style-type: none"> b. Prohibit fugitive dust from any applicable source beyond the property line. c. Prohibit fugitive dust from any applicable source that equals or exceeds 20 percent opacity for 3 minutes or more in any one hour. d. Provide for monitoring dust and construction debris during construction; e. Designate a person or persons to monitor the dust control program and to order increased watering or other measures as necessary to prevent transport of dust off-site. Duties should include holiday and weekend periods when work may not be in progress (but strong winds may blow); f. Provide the name and telephone number of such persons to the APCD prior to construction commencement; g. Identify complaint handling procedures; h. Fill out a daily dust observation log; and, i. Provide a list of all heavy-duty construction equipment operating at the site. The list shall include the make, model, engine size, and year of each piece of equipment. 				
AQ/mm-3	<p>Prior to issuance of the grading permit, the following mitigation measures shall be shown on all project plans and implemented during daily activities to reduce PM10 emissions during earth moving activities:</p> <ul style="list-style-type: none"> a. Reduce the amount of the disturbed area where possible. b. Water trucks or sprinkler systems shall be 	Show mitigation measures on grading plans	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the grading permit

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>used in sufficient quantities to prevent airborne dust from leaving the site. Increased watering frequency shall be required whenever wind speeds exceed 15 mph. Reclaimed (non-potable) water shall be used whenever possible.</p> <ul style="list-style-type: none"> c. All dirt stockpile areas shall be sprayed daily as needed. d. Exposed ground areas that are planned to be reworked at dates greater than one month after initial grading shall be sown with a fast-germinating native grass seed and watered until vegetation is established. e. All disturbed soil areas not subject to re-vegetation shall be stabilized using approved chemical soil binders, jute netting, or other methods approved in advance by the APCD. f. All roadways, driveways, sidewalks, etc. to be paved should be completed as soon as possible after initial site grading. In addition, building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. g. Vehicle speed for all construction vehicles shall be posted to not exceed 15 mph on any unpaved surface at the construction site. h. All trucks hauling dirt, sand, or other loose materials are to be covered or shall maintain at least two feet of free board (minimum vertical distance between top of load and top of trailer) in accordance with CVC Section 23114. i. Wheel washers shall be installed where 				

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>vehicles enter and exit unpaved roads onto streets, or wash off trucks and equipment leaving the site.</p> <p>j. Streets shall be swept at the end of each day if visible soil material is carried onto adjacent paved roads. Water sweepers with reclaimed water shall be used when feasible.</p> <p>k. Permanent dust control measures shall be implemented as soon as possible following completion of any soil disturbing activities</p>				
AQ/mm-4	During operations, the applicant shall maintain monthly compliance logs verifying that all equipment and operations continue to comply with the APCD requirements.	Maintian compliance logs	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	During operations
AQ/mm-5	<p>Prior to commencement of demolition activities at the existing entrance area, the applicant shall:</p> <p>a. Notify the APCD at least ten working days prior to commencement of any demolition activities;</p> <p>b. Conduct an Asbestos survey by a Certified Asbestos Inspector;</p> <p>c. Use applicable disposal and removal requirements for any identified asbestos containing material; and,</p> <p>d. Contact the SLOAPCD Enforcement Division prior to final approval of any demolition activity.</p>	Notify and comply with APCD regulations	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and the SLOAPCD	Prior to commencement of demolition activities at the existing entrance area
AQ/mm-6	The applicant shall continue to use Best Management Practices to minimize odorous gas generation, and shall implement the following odor control procedures throughout the life of the	Continue to use BMP for odor control	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Throughout the life of the operation as long as the tonnage remains at 300 tpd

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>operation as long as the tonnage remains at 300 tpd or less.:</p> <p>Odor-Screening and Load-Checking Procedures As garbage arrives at the facility, the loader operator shall screen materials to assess the potential for the production of objectionable odors. If necessary, the facility operator would implement one or more of the following measures:</p> <ul style="list-style-type: none"> a. Within four hours of receipt, bury loads that produce objectionable odors; b. Blending or cover materials producing objectionable odors; and/or, c. Quickly treat garbage capable of producing objectionable odors with a neutralizing agent such as lime, or other suitable agent within four hours of delivery and additionally, as needed. <p>Good Housekeeping Procedures The landfill operator shall implement the following housekeeping and operational procedures:</p> <ul style="list-style-type: none"> a. Prior to the rainy season (i.e., by October 1st of each year), the landfill facility operator shall undergo pre-season site preparation to ensure that conditions that could result in ponding are minimized or eliminated; and, b. If ponding occurs after a rain, the puddles shall be treated with lime or other suitable 				<p>or less.</p>

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>material and the feature causing the ponding shall be eliminated.</p> <p>Odor Complaint Response System</p> <ul style="list-style-type: none"> a. The landfill operator shall designate an "odor impact coordinator" who would be responsible for responding to any complaints about odors; b. Establish a telephone hotline for nearby receptors to contact the landfill facility. Complaints shall be recorded in writing and provided to the LEA and the air district for review as requested; c. The odor impact coordinator shall immediately notify the LEA of any odor-related complaints; d. The odor impact coordinator shall coordinate with the air district, CIWMB and the LEA to make any necessary operational and/or technical modifications necessary to minimize the likelihood of future odors. 				
BIOLOGICAL RESOURCES					
BR/mm-1	<p>At the time of application for the grading permit, the applicant shall submit an Oak Woodland Restoration Plan to be reviewed and approved by the County Department of Planning and Building. Oak woodland restoration shall be accomplished through one of three methods, 1) replanting of oak trees removed from the oak woodland, 2) providing for the protection of oak woodland habitat in perpetuity through acquisition or donation of a conservation easement that includes at least 2000 square feet</p>	<p>Submit Oak Woodland Restoration Plan</p>	<p>County of San Luis Obispo</p>	<p>Compliance shall be verified by the County Planning and Building Department</p>	<p>At the time of application for the grading permit</p>

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>per tree removed; 3) providing funds to the California Wildlife Conservation Board to be used for the purchase of Oak Woodland Conservation Easements. If option 1 is selected, it may account for no more than 50% of the required mitigation required for oak woodland impacts and mitigation measures BR/mm-2 would apply. Option 3 shall only be allowed if it is clearly infeasible to accomplish options 1 and/or 2.</p>				
BR/mm-2	<p>The Oak Woodland Restoration Plan shall include the following:</p> <ul style="list-style-type: none"> a. The number of oaks trees removed as a result of oak woodland impacts and the number replaced at a minimum 4:1 ratio. Impacted trees shall be replaced at a 2:1 ratio. b. Replacement oak trees shall be from regionally or locally collected seed stock grown in vertical tubes or deep one-gallon tree pots. Four-foot diameter shelters shall be placed over each oak tree to protect it from deer and other herbivores, and shall consist of 54-inch tall welded wire cattle panels (or equivalent material) and be staked using T-posts. Wire mesh baskets, at least two feet in diameter and two feet deep, shall be use below ground. Planting during the warmest, driest months (June through September) shall be avoided. The plan shall provide a species-specific planting schedule. If planting occurs outside this time period, a landscape and irrigation plan 	Submit Oak Woodland Restoration Plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	At the time of application for the grading permit

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>shall be submitted prior to permit issuance and implemented upon approval by the county.</p> <p>c. Replacement oak trees shall be planted no closer than 20 feet on center and shall average no more than four planted per 2,000 square feet. Trees shall be planted in random and clustered patterns to create a natural appearance. Replacement trees shall be planted in natural appearance. As feasible, replacement trees shall be planted in a natural setting on the north side of and at the canopy/dripline edge of existing mature native oak trees; on north-facing slopes; within drainage swales (except when riparian habitat present); where topsoil is present; and away from continuously wet areas (e.g., lawns, irrigated areas, etc). Replanting areas shall be either in native topsoil or areas where native topsoil has been reapplied. A seasonally timed maintenance program, which includes regular weeding (hand removal at a minimum of once early fall and once early spring within at least a three-foot radius from the tree or installation of a staked "weed mat" or weed-free mulch) and a temporary watering program, shall be developed for all oak tree planting areas. A qualified arborist/botanist shall be retained to monitor the acquisition, installation, and maintenance of all oak trees to be replaced. Replacement trees shall be monitored and maintained by a qualified arborist/botanist</p>				

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>for at least seven years or until the trees have successfully established as determined by the County Environmental Coordinator. Annual monitoring reports will be prepared by a qualified arborist/botanist and submitted to the County by October 15 each year.</p> <p>d. The restored area shall be at a minimum equal in size to the area of oak woodlands lost of disturbed</p>				
BR/mm-3	<p>Prior to approval of the Notice to Proceed, the applicant shall record a conservation easement that protects 2000 square feet of existing oak woodland habitat for each tree removed from the oak woodland in perpetuity. The conservation easement shall be controlled by a qualified conservation organization. Potential conservation organizations include but are not limited to: The Nature Conservancy, San Luis Obispo Land Conservancy, or Greenspace the Cambria Land Trust. This mitigation measure may be used to satisfy all the mitigation requirement for this impact, although if the replanting option is not implemented, the area required for protection by this mitigation measure would be 50 percent larger.</p>	Record conservation easement	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to approval of the Notice to Proceed
BR/mm-4	<p>If the applicant is not able to establish a conservation easement, the applicant shall provide funding to the California Wildlife Conservation Board to be used for the purchase of Oak Woodland Conservation Easements. The final funding amount shall include \$970.00 for each tree removed. This mitigation measure may be used to satisfy all the mitigation</p>	Provide funding to conservation organization	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to approval of the Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	requirement for this impact.				
BR/mm-5	<p>Prior to ground disturbance for each of the project components in the expansion area (within seven days), to avoid conflicts with nesting birds or roosting bats, construction activities shall not be allowed unless a county-approved, qualified biologist has surveyed the impact zone and determined that no nesting or roosting activities will be adversely impacted. At such time, if any evidence of nesting activities is found, the biologist will determine if any construction activities can occur during the nesting period and to what extent. The results of the surveys will be passed immediately to the County Department of Planning and Building, possibly with recommendations for variable buffer zones, as needed, around individual nests. The applicant agrees to incorporate those recommendations.</p> <p>If work occurs between September 1 and March 1, within seven days of ground disturbance or tree removal/trimming activities, a survey for wintering raptors shall be conducted. If surveys do not locate wintering raptors, construction activities may be conducted. If wintering raptors are located, construction activities shall observe a 500-foot buffer for the wintering location(s). A pre-construction survey report shall be submitted to the County Department of Planning and Building immediately upon completion of the survey. The report shall detail appropriate fencing or flagging of the buffer zone and make recommendations on additional monitoring</p>	Conduct nesting bird surveys	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to ground disturbance for each of the project componenets in the expansion area

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	requirements.				
BR/mm-6	<p>Prior to issuance of the Notice to Proceed, the applicant shall submit a Wetland and Riparian Habitat Restoration plan that covers impacts to all state and federal wetlands onsite. The plan shall describe wetland restoration and revegetation efforts, and identify the location onsite where those efforts will occur. The plan shall be submitted along with verification from the appropriate regulatory agencies (i.e., ACOE, CDFG, RWQCB) that necessary permits have been obtained. The plan shall include the following measures, at minimum, unless other equivalent measures are approved by regulatory agencies:</p> <ol style="list-style-type: none"> a. Avoid federal and state wetlands and provide with protective construction and erosion control fencing, to the extent feasible. b. Mitigate impacts to federal wetlands at a 3:1 ratio. Mitigation for impacts to federal wetlands shall be performed onsite. c. Mitigate impacts to state wetlands at a 1:1 ratio. Mitigation for impacts to state wetlands shall be performed onsite d. Mitigate impacts to riparian vegetation at a 1:1 ratio. Impacts to riparian habitat shall be mitigated onsite through restoration and enhancement of degraded stream channel and riparian habitat onsite. e. Impacts to non-wetland waters require mitigation at a 1:1 ratio, that is, one linear 	Submit a Wetland and Riparian Habitat Restoration Plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department, the ACOE, CDFG, and the RWQCB	Prior to issuance of the Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>foot of non-wetland waters restored or created for linear foot disturbed or removed.</p> <p>f. On a monthly basis, the applicant shall inspect the ephemeral drainages just south of the proposed expansion area for accumulated trash. Any trash in, or in the vicinity of, the drainage shall be collected from this area, removed, and properly disposed.</p> <p>g. The plan shall include a cost estimate of the costs associated with implementation of these measures.</p>				
BR/mm-7	<p>To guarantee the success of the riparian and wetland mitigation, prior to issuance of the Notice to Proceed, the applicant shall post a bond with the County Department of Planning and Building in the amount determined in BR/mm-6, number 7. The bond shall not be released until mitigation requirements have been met, as determine by the County Department of Planning and Building, in consultation with applicable regulatory agencies.</p>	Post a bond	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the Notice to Proceed
BR/mm-8	<p>Prior to issuance of the Notice to Proceed, the applicant shall prepare an Oak Tree Inventory, Avoidance, and Protection Plan as outlined herein. The plan shall be reviewed by a County-approved biologist and/or arborist, and shall include the following items:</p> <p>a. Comprehensive Oak Tree Inventory. This shall include the following information:</p> <p>1. An inventory of all oak trees at least five</p>		County of San Luis Obispo		Prior to issuance of the Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>inches in diameter at breast height within 50 feet of all proposed impact areas. All inventoried trees shall be shown on maps. The species, diameter at breast height, location, and condition of these trees shall be documented in data tables.</p> <ol style="list-style-type: none"> 2. Identification of trees that will be retained, removed, or impacted. This information shall be shown on maps and cross-referenced to data tables described in item a. 3. The location of proposed structures, utilities, driveways, grading, retaining walls, outbuildings, water and wastewater facilities, and impervious surfaces shall be shown on maps. The applicant shall clearly delineate the building sites/building control lines containing these features on the project plans. 4. All reasonable efforts shall be made to maintain the historic drainage patterns and flow volumes in the vicinity of these oak trees. If not feasible, the drainage plan shall clearly show which trees would be receiving more or less drainage. <p>b. Oak Tree Avoidance Measures. Grading and development within proposed lots shall avoid the removal of oak trees to the maximum extent possible. Such activities shall minimize potential disturbance to oaks and their associated root zones to the maximum extent possible, within final sits plans requiring concurrence from county</p>				

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>staff to ensure compliance with this provision.</p> <p>c. Oak Tree Protection Guidelines. Tree protection guidelines and a root protection zone shall be established and implemented for each tree to be retained that occurs within 50 feet of impact areas. The following guidelines shall be included:</p> <ol style="list-style-type: none"> 1. A qualified arborist shall determine the critical root zone for each retained tree on a case-by-case basis, based upon tree species, age, and size. This area is generally defined as 1.0 to 1.5 times its diameter at breast height. At a minimum, the critical root zone shall be the distance from the trunk to the drip line of the tree. 2. All trees to remain within 50 feet of construction or grading activities shall be marked for protection (e.g., with flagging) and their root zone fenced prior to any grading. Grading, utility trenching, compaction of soil, or placement of fill shall be avoided within these fenced areas. If grading in the root zone cannot be avoided, retaining walls shall be constructed to minimize cut and fill impacts. Care shall be taken to avoid surface roots within the top 18 inches of soil. If any roots must be removed or exposed, they shall be cleanly cut and not left exposed above the ground surface. The project arborist shall approve any work within the root protection zone. 				

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>3. Unless previously approved by the county, the following activities are not allowed within the root zone of existing or newly planted oak trees: year-round irrigation (no summer watering, unless "establishing" new tree or native compatible plants for up to three years); grading (includes cutting and filling of material); compaction (e.g., regular use of vehicles); placement of impermeable surfaces (e.g., pavement); disturbance of soil that impacts roots (e.g., tilling).</p> <p>4. The applicant shall minimize trimming of oak trees to remain on-site. Removal of larger lower branches should be minimized to 1) avoid making tree top heavy and more susceptible to "blow-overs", 2) reduce having larger limb cuts that take longer to heal and are much more susceptible to disease and infestation, 3) retain wildlife habitat values associated with the lower branches, 4) retain shade to keep summer temperatures cooler (retains higher soil moisture, greater passive solar potential, provides better conditions for oak seedling volunteers) and 5) retain the natural shape of the tree. The amount of trimming (roots or canopy) done in any one season shall be limited as much as possible to reduce tree stress/shock (ten percent or less is best, 25 percent maximum). If trimming is necessary, the applicant shall use a certified arborist</p>				

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	when removing limbs. Unless a hazardous or unsafe situation exists, major trimming shall be done only during the summer months.				
BR/mm-9	Prior to all ground-disturbing activities, a qualified biologist shall provide pre-construction training to all workers involved in site activities. This training shall consist of instruction on special-status species with potential to occur on the property and their habitats. Workers shall be instructed as to appropriate contacts and how to proceed if special-status species on the project site are observed.	Provide pre-construction training	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to all ground-disturbing activities
BR/mm-10	A biological monitor qualified to capture and move legless lizards shall be present during all initial ground-disturbing activities. The monitor shall capture and relocate silvery legless lizards disturbed during tree clearance and initial site grading. In addition, the monitor shall rake loose soil within oak woodlands prior to excavation to find and move legless lizards. Efforts shall focus on relocation of silvery legless lizards to safe habitat outside the expansion area.	Have biological monitor present during ground disturbance	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	During all initial ground disturbing activities
BR/mm-11	Within two weeks prior to initiation of project components, a qualified biologist shall conduct a pre-construction survey for roosting bats. If bats are not found, tree and/or building removal can proceed. If bats are observed, bat exclusion measures shall be instituted prior to disturbance. If maternal bat colonies are found they shall not be disturbed until young bats have left the site. Subsequently bat exclusion measures shall be instituted prior to disturbance.	Perform [pre-construction survey for bats	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Within two weeks prior to initiation of project components

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
BR/mm-12	<p>Prior to vegetation removal and grading in the drainage area, a qualified biologist shall conduct a pre-construction survey for Southwestern pond turtles to find and relocate to safe habitat any turtles present in the expansion area. Southwestern pond turtle surveys identification shall occur again if activity in the drainage stops for more than one year before commencing again.</p>	<p>Perform pre-construction survey for pond turtles</p>	<p>County of San Luis Obispo</p>	<p>Compliance shall be verified by the County Planning and Building Department</p>	<p>Prior to vegetation removal and grading in the drainage area</p>
BR/mm-13	<p>A pre-construction survey shall be conducted within 30 days prior to construction or grading for each of the following activities - the RRP, the new entrance road, the earthen noise berm, and Modules 11 through 16 to identify if badgers are using the site. The results of the survey shall be sent to the County Department of Planning and Building. If the pre-construction survey finds potential badger dens, they shall be inspected to determine whether they are occupied. The survey shall then be expanded to cover the entire property, and shall examine both old and new dens. If it is not feasible to completely inspect potential badger dens from the entrance, a fiber optic scope shall be used to examine the entire den. Inactive dens shall be excavated by hand with a shovel to prevent re-use of dens during construction.</p> <p>To avoid disturbance and the possibility of direct take of adults and nursing young, no grading shall occur within 100 feet of active badger dens between February and July. Between July 1 and February 1, all potential badger dens shall be inspected to determine if badgers are present. If</p>	<p>Perform pre-construction survey for badgers and dens</p>	<p>County of San Luis Obispo</p>	<p>Compliance shall be verified by the County Planning and Building Department</p>	<p>Within 30 days prior to construction or grading for each of the following activities - the RRP, the new entrance road, the earthen noise berm, and Modules 11 through 16</p>

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	badger dens are found on the property during the pre-construction survey, the CDFG wildlife biologist for the area shall be contacted to review current allowable management practices such as establishing buffers around dens, and relocating badgers.				
BR/mm-14	Prior to issuance of the Notice to Proceed, the Obispo Indian Paintbrush Mitigation and Monitoring Plan (MMP) that has been prepared for this project (Althouse and Meade, 2007c) shall be revised and a proposed new offsite location for the mitigation shall be identified. The new site shall be protected in perpetuity and be located as close to the projectsite as feasible. Mitigation shall consist of seed collection onsite and direct sowing at the identified offsite location. Mitigation will be deemed complete when an annual count of Obispo Indian paintbrush reaches levels comparable to baseline site conditions identified during initial surveys of the expansion area performed by Althouse and Meade,. The MMP shall be approved by the County Department of Planning and Building and the CDFG prior to issuance of the grading permit.	Update the Obispo Indian Paintbrush MMP	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the Notice to Proceed
CLIMATE CHANGE/GREENHOUSE GAS EMISSIONS					
GHG/mm-1	The Landfill shall not emit more than 38,896 GHGe tonnes per year (2007 level) for the life of the project. Bi-annually, the applicant shall submit a report to the Department of Planning and Building and SLOAPCD describing GHG emission control programs implemented at the Landfill. The report shall describe control program components, predicted and actual	Submit GHG report	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and the SLOAPCD	

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>emission reductions, and calculate current emission rates at the Landfill. The report shall also identify successes and failures in the program and recommend methods for improving the programs in future years.</p>				
GHG/mm-2	<p>Prior to issuance of the Notice to Proceed for each subsequent module, 10 through 16, the applicant shall verify compliance with GHG/mm-1. Compliance shall be determined in conjunction with SLOAPCD and based on the feasibility of GHG control measures available to the applicant at the time of excavation.</p> <p>Potential GHG Control Strategies There are a number of methods that the applicant may incorporate into the project to reduce or offset GHG emissions from the Landfill. These are described below. It is anticipated that because this field is currently developing, new measures may also be available as GHG regulations and associated technologies develop. Mitigation measure GHG/mm-1 has been written to allow the applicant and regulatory agencies flexibility in determining which method may be most appropriate based on available technology, emerging regulation, and economic feasibility.</p> <p>1. Increased Capture Efficiency. The analysis above assumes that approximately 85 percent of the GHGs resulting from decomposition of Landfill waste are captured. If the capture rate can be improved, significant reductions in GHG</p>	Verify compliance with GHG measures	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and the SLOAPCD	Prior to issuance of the Notice to Proceed for each subsequent Module, 10 through 16

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>surface emissions could be made. For example, if the capture rate had reached 90 percent in 2007, the GHG emissions resulting from leakage would drop by approximately 5,000 tonnes in 2007. Capture rates may be increased through more aggressive engineering of the landfill gas capture system, or through implementation of bioreactor technology. A bioreactor is a landfill process in which a disposal area is entirely covered in plastic sheeting to maximize methane capture. Water is also added to the waste to speed decomposition and methane production. Ultimately, the waste creates the same amount of methane as it would in a traditional landfill, but it is generated more quickly and is more likely to be captured rather than leak from the surface. It has been estimated that capture rates may be as high as 95 percent with bioreactor technology. Utilizing this technology, however, may have secondary impacts, including increased water consumption and visual impacts.</p> <p>2. Increased Diversion of Organic Material. Food waste and other organic products that cannot now be recycled generally represent about 20 percent of the waste stream in a landfill. This material is generally buried in landfills where it eventually degrades to methane. Collecting food waste is technically feasible and is currently being</p>				

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>done in other communities. The food waste can be biodigested either anaerobically for fuel production or aerobically in static piles or ag bags. Food waste collection could potentially be implemented on a phased basis (e.g., starting with grocery stores and restaurants) and then integrated into home disposal. Besides significantly reducing future land fill methane production, this measure could reduce the amount of soil excavation and cover required each year, thereby reducing equipment operation emissions. It could also prolong landfill life.</p> <p>3. Development of Onsite Renewable Energy. The applicant could mitigate for the increased electrical consumption through development of renewable energy, such as wind or solar, onsite.</p> <p>4. Operate Diesel Fleet on Biodiesel Fuels. Biodiesel has a favorable energy and global warming profile, because it returns over three times the energy required to produce it (NREL, 2003). Since Biodiesel contains almost no sulfur, it is also compatible with add-on NOX control devices (catalytic converters). According to the National Renewable Energy Laboratory, "significant reductions of particulate matter, carbon monoxide, and hydrocarbon emissions can be achieved with biodiesel use." The applicant could choose to convert a portion or all of the diesel fleet to biodiesel fuels to</p>				

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>mitigate for the increased diesel consumption associated with the project.</p> <p>5. Cap and Trade Programs. In some instances a project or business cannot fully reduce its on-site emissions to an insignificant level. In these cases, regulatory bodies have implemented a system of trading emissions, whereby one source is reduced (through controls, retiring old equipment, etc.) and the other source is allowed to build or operate. Since GHGs are not a localized phenomenon, viable and verifiable emissions reduced at any source will provide a net overall benefit.</p> <p>6. As a part of GHG/mm-1, the applicant could develop a GHG program independently or as part of a larger market. Pending federal and state legislation will initiate cap and trade programs where by the Landfill could purchase emission credits from various industrial sources. The applicant could also work with SLOAPCD to develop an offset program, similar to the ones already developed (i.e., bus buyback, transit support) to mitigate for other air quality impacts.</p>				
CULTURAL RESOURCES3					
PR/mm-1	Prior to issuance of the initial Notice to Proceed, the applicant shall submit for the review and approval by the Department of Planning and Building, a Paleontological Monitoring and	Submit Paleontological Monitoring Plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the initial Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>Recovery Plan (PRMP). The plan shall include the following, at minimum:</p> <ol style="list-style-type: none"> 1. List of personnel involved in the monitoring activities; 2. Clear identification of what portions of the project (e.g. phases, areas of the site, types of activities) require monitoring; 3. Description of how the monitoring shall occur; 4. Description of frequency of monitoring (e.g. full-time, part-time, spot checking); 5. Description of what resources are expected to be encountered; 6. Description of circumstances that would result in the “work diversion” at the project site; 7. Description of procedures for diverting work on the site and notification procedures; 8. Description of monitoring reporting procedures; 9. Disposition of collected materials; 10. Proposed analysis of results of data recovery and collected materials, including timeline of final analysis results; and, 11. Description of the applicant’s responsibilities. The project proponent is responsible to bear all costs associated with this mitigation plan including preparation of specimens to the curation standards of the repository and curation fees, as applicable. 				
PR/mm-2	During all applicable ground disturbing construction activities, the applicant shall implement the PMRP measures as delineated in	Implement the PMRP	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building	During all applicable ground disturbing construction

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	the PMRP.			Department	activities
PR/mm-3	Upon completion of each Module, 10 through 16, and upon completion of excavation associated with the RRP, the County-approved paleontologist shall submit a report to the Department of Planning and Building summarizing all monitoring/mitigation activities, confirming that all recommended mitigation measures have been met, and including analysis of all discoveries per the PMRP. In the event that any of the grading/excavation activities occur concurrently, completion reports can be combined.	Submit final report	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Upon completion of each Module, 10 through 16, and upon completion of excavation associated with the RRP
AR/mm-1	<p>Prior to issuance of the Notice to Proceed, the applicant shall submit for the review and approval by the Department of Planning and Building, an Archaeological Monitoring and Recovery Plan (AMRP). The plan shall include, at minimum:</p> <ol style="list-style-type: none"> 1. List of personnel involved in the monitoring activities; 2. Clear identification of what portions of the project (e.g., phases, areas of the site, types of activities); 3. Description of how the monitoring shall occur; 4. Description of monitoring frequency; 5. Description of what resources are expected to be encountered; 6. Description of circumstances that would result in the "work diversion" at the project site; 	Submit an AMRP	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	7. Description of procedures for diverting work on the site and notification procedures; 8. Description of monitoring reporting procedures; 9. Disposition of collected materials; 10. Proposed analysis of results of data recovery and collected materials, including timeline of final analysis results; and, 11. Project proponent's responsibilities (the project proponent is responsible for all costs associated with this mitigation plan including preparation of specimens and curation fees).				
AR/mm-2	During all applicable ground disturbing construction activities, the applicant shall implement the AMRP measures.	Implement the AMRP	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	During all applicable ground disturbing construction activities
GEOLOGY AND SOILS					
GEO/mm-1	Prior to issuance of the grading permit, the project Soils Engineer shall review the final grading plans for the Landfill expansion, the RRP, the compost runoff and detention basins, the stockpiles, the new access road, and the new entrance, to verify conformance with the 2007 California Building Code, Appendix Chapter 33 of the 2001 California Building Code, Title 19 of the County of San Luis Obispo Building and Construction Ordinance, and other applicable standards. Recommendations regarding gradients for temporary and permanent slopes, special consideration to areas of fill over cut, and the need for terraces in temporary slopes shall be provided as	Have soils engineer review grading plans	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the grading permit

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>necessary. As applicable, plans shall be amended to include these provisions and shall be adhered to during all grading and construction activities.</p>				
GEO/mm-2	<p>Prior to issuance of the grading permit, a sedimentation and erosion control plan shall be submitted for review and approval by the Departments of Planning and Building, and Public Works. The plan shall address erosion control during all phases of grading. Drainage shall discharge in a nonerosive manner away from improvements and, where slopes are present, away from the toes of the slopes. The applicant shall also provide verification of continued compliance with NPDES requirements, and provide a copy of the approved SWPPP, as applicable.</p>	<p>Prepare and submit a sedimentation and erosion control plan</p>	<p>County of San Luis Obispo</p>	<p>Compliance shall be verified by the County Planning and Building Department</p>	<p>Prior to issuance of the grading permit</p>
GEO/mm-3	<p>Prior to issuance of the grading permit or building permits for proposed structures, the applicant shall submit a soils engineering report(s) prepared by a Soils Engineer. The report shall conform to Sections 1802.2 through 1802.6 (or other applicable sections) of the 2007 California Building Code, and Appendix Chapter 33 of the 2001 California Building Code, as adopted by the County of San Luis Obispo. The soils reports shall address expansion potential and, if determined to be warranted, provide appropriate recommendations for expansive soil mitigation. The recommendations presented in the soils engineering report shall be implemented during construction.</p>	<p>Submit a soils engineering report(s) prepared by a Soils Engineer</p>	<p>County of San Luis Obispo</p>	<p>Compliance shall be verified by the County Planning and Building Department</p>	<p>Prior to issuance of the grading permit or building permits for proposed structures</p>

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
GEO/mm-4	During construction, the Soils Engineer shall observe grading operations, and any unusual subsurface conditions encountered during grading should be brought to his/her attention. Recommendations regarding mitigation shall be provided by the Soils Engineer on an as-needed basis and implemented by the applicant. Such recommendations may include, but are not limited to, backdrains, intercept drains, or diversion ditches.	Ensure Soils Engineer observes grading operations, and any unusual subsurface conditions	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	During construction on an as needed basis
GEO/mm-5	Prior to issuance of construction permits for habitable structures founded on fill materials derived from Monterey formation bedrock, radon gas testing shall be conducted by a certified professional. The results shall be submitted to the County Department of Planning and Building. In the event that radon gas is determined to be present, buildings shall be designed and constructed in accordance with Environmental Protection Agency (EPA) guidelines for minimizing impacts associated with radon gas exposure.	Test for radon gas by a certified professional	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of construction permits for habitable structures founded on fill materials derived from Monterey formation bedrock
GEO/mm-6	Prior to issuance of the grading or building permits for proposed structures, the applicant shall submit a soils engineering report(s) prepared by a Soils Engineer. The report shall conform to Sections 1802.2 through 1802.6 (or other applicable sections) of the 2007 California Building Code, and Appendix Chapter 33 of the 2001 California Building Code, as adopted by the County of San Luis Obispo. The report shall provide seismic parameters for use in design. Plans for structures that shall be designed in accordance with the seismic parameters	Submit a soils engineering report(s) prepared by a Soils Engineer	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the grading or building permits for proposed structures

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	presented in the soils engineering report and the applicable sections of the California Building Code.				
GEO/mm-7	<p>Plans for landfill expansion modules shall be in accordance with the recommendations presented by Shaw Environmental, Inc (Shaw, 2007). These recommendations include, but are not limited to:</p> <ul style="list-style-type: none"> • Maximum waste elevation for interim slopes shall be 340 feet unless the geosynthetic clay liner (GCL) is encapsulated with a second geomembrane layer. • Maximum interim waste sideslopes shall not exceed 3.5 horizontal to one vertical. • Encapsulating the toe area of the western and southern perimeters of the expansion area with a second geomembrane layer for a distance of 200 feet from the toe of the slope; the GCL on the sideslope should also be encapsulated. 	Prepare plans for landfill expansion modules shall be in accordance with the recommendations presented by Shaw Environmental, Inc	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department, the IWMB, and the RWQCB	Prior to issuance of the grading or building permits
GEO/mm-8	Prior to issuance of the Notice to Proceed, the applicant shall submit a report(s) of slope stability analysis addressing the stockpile slopes and basins. The recommendations of the report shall be implemented during construction. The report shall include, but not be limited to, a numerical slope stability analysis under seismic conditions and, for the ponds, under the conditions that would be present in the event of seepage from the ponds; and specific recommendations for stabilization, including but not limited to, decreasing slope angles,	Submit a report(s) of slope stability analysis addressing the stockpile slopes and basins.	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	decreasing slope heights, utilization of retention systems, and slope reinforcement.				
GEO/mm-9	New basins shall be designed with sufficient freeboard to accommodate the seiche waves, or in such a manner that overtopping of basins can occur without damage to downslope areas due to flooding or erosion. The assessment should be conducted by a qualified civil engineer.	Design new basins with sufficient freeboard	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the Notice to Proceed
HAZARDS AND HAZARDOUS MATERIALS					
HAZ/mm-1	To encourage legal disposal of waste material, prior to relocation of the household hazardous waste, E-waste, and U-waste facility, the applicant shall notify users of the facility of the change, via the phone system, internet and through onsite signage, which materials may be accepted at the new facility, and when the new facility will be open to accept them.	Notify users of the facility of the change in hours	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to relocation of the household hazardous waste, E-waste, and U-waste facility
HAZ/mm-2	Prior to issuance of the Notice to Proceed, the applicant shall submit to the Department of Planning and Building, an updated litter control plan. The plan shall be approved by the Department of Planning and Building and the CIWMB, and be posted on the Landfill website. The plan shall include at a minimum: 1. Descriptions of current litter control practices; 2. Provisions for bi-monthly trash pick-up on neighboring properties. Residents within one mile of the landfill shall be contacted annually and provided the dates of scheduled fugitive trash pick-up for the coming year. The phone number of the litter	Submit an updated litter control plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and the CIWMB	Prior to issuance of the Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	<p>control staff at the Landfill shall be provided. Neighbors shall be able to contact the Landfill within one week of the scheduled date, to request pick-up of fugitive trash on their property.</p> <p>3. Requirements for litter control fences to be installed around the downwind perimeter of the Landfill that are a minimum of six feet tall.</p> <p>4. Requirements for portable litter control fences installed near working faces to be a minimum of ten feet tall.</p> <p>5. Descriptions of the litter barrier proposal (permanent and temporary) for construction of each proposed new module. Barriers and working face should be oriented to address prevailing winds.</p> <p>6. Contact information so that the public can reach agency staff (CIWMB, County Code Enforcement, CHP, Sheriff) in the event that the Landfill does not comply with control measures or to report illegal dumping.</p> <p>7. Require fencing along the proposed drainage that restricts trash from entering the drainage from the Landfill and entrance road, but allows for the passage of wildlife, as necessary.</p>				
HAZ/mm-3	The applicant shall update the litter control program, at minimum, every five years, unless more frequent updates are required by the Department of Planning and Building or the CIWMB, to address any continued deficiencies.	Update the litter control program, at minimum, every five years,	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Every 5 years, unless more frequent updates are required by the Department of Planning and Building or the CIWMB

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
HAZ/mm-4	Prior to Issuance of the Notice to Proceed, the applicant shall develop educational materials regarding Pine pitch Canker and SOD for public and private customers dropping off greenwaste at the Landfill. The information shall include descriptions of the distribution of the diseases, how to identify it, management practices for dealing with infected trees, and disposal guidelines. Material shall be produced in coordination with the County Agriculture Department.	Develop educational materials regarding Pine pitch Canker and SOD	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to Issuance of the Notice to Proceed
HAZ/mm-5	During all future operation of the Landfill, the applicant shall continue the falcon program unless another, more effective measure is implemented after approval by the County Department of Planning and Building.	Continue the falcon program	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	During all future operation of the Landfill
HAZ/mm-6	Prior to issuance of the Notice to Proceed, the applicant shall provide verification that a Fire Prevention, Control, and Mitigation Plan has been developed/amended to the satisfaction of CAL FIRE. Prior to final inspection or second notice to proceed, all required elements of this plan shall be installed.	Verify that a Fire Prevention, Control, and Mitigation Plan has been developed/amended	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and CALFIRE	Prior to issuance of the Notice to Proceed
NOISE					
NS/mm-1	Prior to issuance of the Notice to Proceed, the applicant shall submit for review and approval, a Noise Mitigation Plan addressing identified potential noise impacts to residential uses on the southeastern boundary of the facility through construction of an earthen berm. The plan shall be prepared by a qualified acoustical consultant. The berm shall be tall enough to interrupt line of site between the southeastern property line and	Submit for review and approval, a Noise Mitigation Plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	heavy equipment noise sources within the disposal area at the full height of each module. The berm landscaping shall be coordinated with the proposed landscape plan and Aesthetic Resources mitigation measures.				
NS/mm-2	Prior to initiation of proposed activities, including the relocation of the entrance, module excavation, etc., the applicant shall have completely implemented the Noise Mitigation Plan.	Implement the Noise Mitigation Plan.	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to initiation of proposed activities, including the relocation of the entrance, module excavation, etc.,
NS/mm-3	Within 30 days after the new entrance is opened, the applicant shall submit an updated noise assessment prepared by a qualified noise consultant that assesses the effectiveness of NS/mm-1. If NS/mm-1 is found to be ineffective, the consultant shall provide recommendations to improve the performance of the noise berm to meet County thresholds. These recommendations shall be implemented within 60 days of County approval of the assessment.	Submit an updated noise assessment prepared by a qualified noise consultant	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Within 30 days after the new entrance is opened
NS/mm-4	Prior to issuance of the Notice to Proceed, the applicant shall revise the proposed grading plans relocating a portion of the proposed stockpile to existing Stockpile 2, adjacent to proposed Module 10, and the remainder to existing Stockpile 3. Additional material associated with Module excavation may be temporarily stockpiled adjacent to existing Module 8 and proposed Module 11, as necessary.	Revise the proposed grading plans relocating a portion of the proposed stockpile	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the Notice to Proceed
NS/mm-5	Within one year of issuance of the initial Notice to Proceed, the entire Compost Operation shall be moved to the proposed new location.	Move the Compost Operation to the new location	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Within one year of issuance of the initial Notice to Proceed

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
NS/mm-6	Prior to relocation of the RRP the applicant shall redesign the facility so that it is at least partially enclosed. The southwestern side may be left open to facilitate delivery and sorting of materials.	Redesign the RRP so that it is at least partially enclosed.	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to relocation of the RRP
NS-mm-7	Within 30 days after completion of the project components (except module construction), the applicant shall submit an updated noise assessment prepared by a qualified noise consultant, that assesses the effectiveness of NS/mm-1 through 6. If the measures are found to be ineffective, the consultant shall provide recommendations to improve the performance of the measures to meet County thresholds. These recommendations shall commence within 60 days of County approval of the assessment.	Submit an updated noise assessment prepared	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Within 30 days after completion of the project components (except module construction)
TRANSPORTATION AND CIRCULATION					
TC/mm-1	<p>Prior to issuance of construction permits for the new entrance, the applicant shall provide verification to the Department of Public Works that the proposed improvements meet or exceed Caltrans standards for Highway 227. Specifically, the improvements shall include, but not be limited to the following:</p> <ol style="list-style-type: none"> 1. The southbound left turn and northbound acceleration lanes on Highway 227 shall be designed to accommodate a high percentage of large vehicles. 2. The proposed driveway shall be designed to maximize the availability of sight distance for vehicles exiting the Landfill (minimize potential impact to vehicles on Highway 	Provide verification to the Department of Public Works that the proposed improvements meet or exceed Caltrans standards	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department, Public Works, and Caltrans	Prior to issuance of construction permits for the new entrance

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
	227). 3. The proposed off-site improvements shall be designed to minimize any potential conflict with vehicles at the intersection of Highway 227 and Patchett Road.				
WATER RESOURCES					
WR/mm-1	Prior to issuance of the initial Notice to Proceed, the applicant shall install meters on all proposed water supply wells.	Install meters on all proposed water supply wells	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the initial Notice to Proceed
WR/mm-2	To ensure the Landfill can meet demands during peak use periods from their onsite system, prior to issuance of the initial Notice to Proceed, Weir Well #3 or an equivalent water source shall be brought online. The additional well shall be capable of sustained pumping of approximately 16 gpm. Verification of capacity shall be in the form of a 72-hour pump test. This mitigation does not preclude the applicant from using winery wastewater to the extent it is suitable for dust control, and available.	Bring Weir well #3 or equivalent online	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	Prior to issuance of the initial Notice to Proceed
WR/mm-3	The required Dust Control Plan (AQ/mm-2) shall incorporate non-water based dust control methods to the maximum extent feasible. The Plan shall identify all roads and other portions of the site where permanent dust control such as paving, using chemical soil stabilizers, or seeding shall be incorporated.	Incorporate non-water based dust control methods to the maximum extent feasible into the dust control plan	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and the SLOAPCD	Prior to issuance of the initial Notice to Proceed
WR/mm-4	Proposed detention basins shall be designed to retain stormwater for use onsite as dust control or as irrigation water for the Compost Operation.	Design retention basins to retain stormwater for dust control or irrigation	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and Public Works	

Mitigation Measure	Requirements of Measure	Applicant Responsibilities	Party Responsible for Verification	Method of Verification	Verification Timing
WR/mm-5	The new well location shall avoid cultural resources identified in this EIR. All protected, sensitive resources and revegetation areas shall be avoided as well.	Avoid cultural resources	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department	
WR/mm-6	Prior to issuance of construction permits, the applicant shall provide verification to the County Planning and Building Department that it has been permitted by the Environmental Health Division to function as a "non transient, non-community water system," or that it has been granted an exemption to this standard.	Be permitted by the Environmental Health Division to function as a "non transient, non-community water system," or that it has been granted an exemption to this standard.	County of San Luis Obispo	Compliance shall be verified by the County Planning and Building Department and Environmental Health	Prior to issuance of construction permits

This page intentionally left blank.