MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	RESPONSIBLE PARTY IMPLEMENTATION/ MONITORING
AIR QUALITY/GREENHOUSE GASES			
 AIR QUALITY/GREENHOUSE GASES MM AQ-1: Construction-related GHG Emissions Reduction. The following measures shall be implemented during construction activities to reduce GHG emissions to the extent feasible. All portable diesel-powered construction equipment greater than 50 brake horsepower shall be registered with the State's portable equipment registration program OR shall obtain an SBCAPCD permit. Fleet owners of diesel-powered mobile construction equipment greater than 25 hp are subject to the CARB In-Use Off-Road Diesel-Fueled Fleets Regulation (Title 13, California Code of Regulations §2449). Off-road heavy-duty trucks shall comply with the State Off-Road Regulation. Off-road vehicles subject to the State Off-Road Regulation are limited to idling no more than five minutes. Idling of heavy-duty diesel trucks during loading and unloading shall be limited to five minutes, unless the truck engine meets the optional low-NOx idling emission standard, the truck is labeled with a clean-idle sticker, and it is not operating within 100 feet of a restricted area. Diesel equipment meeting the CARB Tier 3 or higher emission standards for off-road heavy-duty diesel engines should be used to the maximum extent feasible. 	Review of plans and specifications, field inspection during construction	During contractor mobilization and periodically during each construction period	RRWMD
• On-road heavy-duty equipment with model year 2010 engines or newer should be used to the maximum extent feasible.			
• Diesel powered equipment should be replaced by electric equipment whenever feasible. Electric auxiliary power units should be used to the maximum extent feasible.			

¹ Monitoring would be conducted by RRWMD's Environmental Engineering Planner, Project Engineer, landfill operations personnel, construction inspectors and/or qualified specialists under contract to RRWMD

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING	
AIR QUALITY/GREENHOUSE GASES (Continued)				
MM AQ-1: Construction-related GHG Emissions Reduction. The following measures shall be implemented during construction activities to reduce GHG emissions to the extent feasible.	Review of plans and specifications, field inspection	During contractor mobilization and periodically during	RRWMD	
• Equipment/vehicles using alternative fuels, such as compressed natural gas, liquefied natural gas, propane or biodiesel, should be used on-site where feasible.	during construction		ring construction each construction	
• Catalytic converters shall be installed on gasoline-powered equipment, if feasible.				
• All construction equipment shall be maintained in tune per the manufacturer's specifications.				
 The engine size of construction equipment shall be the minimum practical size. The number of construction equipment operating simultaneously shall be minimized through efficient management practices to ensure that the smallest practical number is operating at any one time. 				
• Construction worker trips should be minimized by requiring carpooling and by providing for lunch onsite.				
• Construction truck trips should be scheduled during non-peak hours to reduce peak hour emissions whenever feasible.				
• Proposed truck routes should minimize to the extent feasible impacts to residential communities and sensitive receptors.				
• Construction staging areas should be located away from sensitive receptors such that exhaust and other construction emissions do not enter the fresh air intakes to buildings, air conditioners, and windows.				
<u>Plan Requirements and Timing</u> : The above measures shall be included in the project's construction specifications and implemented throughout construction activities. <u>Monitoring</u> : RRWMD shall ensure these measures are fully implemented during the construction period.				

			PARTY
MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES			
MM 01-EIR-05 BIO-7 (Revised): Habitat Restoration. To compensate for native habitats disturbed by the expansion, a County-approved biologist shall prepare and implement a revegetation plan (e.g., a ratio of not less than 3:1 for each disturbed acre) for oak woodland and coastal sage scrub habitats. A County-approved biologist shall prepare and implement a restoration/revegetation plan (e.g., a ratio of not less than 3:1 for each disturbed acre) for chaparral habitat. The plan shall utilize native plants and seed stock from locally obtained sources to the maximum extent feasible and also shall take into account requirements for maintaining the integrity of the landfill and cover system. If suitable area for restoring chaparral habitat is not available for all of the habitat acreage required as mitigation for the Tajiguas Landfill Expansion Project, a portion of the habitat may be replaced out-of-kind with coastal sage scrub at a 4:1 ratio as determined by the Restoration Consultant in consultation with RRWMD. Species selection shall be dependent upon the nature of the habitat. Plan Requirements and Timing: A revegetation or restoration plan for the landfill shall be prepared and where appropriate included in the landfill closure plan to be provided to the LEA, CalRecyle and the Regional Water Quality Control Board. Where feasible, the plan shall be implemented as each acre of habitat is removed or as a part of phased closure. Restoration shall occur on the Landfill property or at Baron Ranch. Monitoring: RRWMD shall ensure the plan is prepared and	Review of the revegetation plan and field inspection during and following plan implementation	Following revegetation plan preparation and during phased closure	RRWMD
implemented. MM BIO-1(a): Minimize Impacts to Adjacent Habitats. To prevent inadvertent damage to sensitive habitats outside of the Capacity Increase Project Area, the construction disturbance area shall be clearly delineated on the project construction plans and in the field by staking, flagging or equivalent methods. Plan Requirements and Timing: The Capacity Increase Impact Area boundary shall be delineated on construction plans prior to requests for construction bids. Field delineation shall occur prior to beginning ground disturbing activities or vegetation removal. Monitoring: RRWMD shall monitor for compliance.	Review of construction plans and field inspection	Prior to the initiation of each construction phase	RRWMD and Contractor

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
MM BIO-1(b): Control of Highly Invasive Plants. RRWMD shall monitor the project area and where feasible control infestations of plants identified as highly invasive by the California Invasive Plant Council. Invasive plants shall not be used in the erosion control hydroseed mix or in final closure revegetation seed mix. Plan Requirements and Timing: An approved non-invasive hydroseed mix shall be included in the contractor specifications and the Joint Technical Document prepared for the Solid Waste Facilities Permit. Monitoring: RRWMD shall monitor for compliance.	Review of Joint Technical Document and contractor specifications for inclusion of appropriate non- invasive hydroseed mixes, field inspection to monitor for invasive plant species	Review of seed mixes prior to each seeding event, field inspection to monitor for invasive plant species	RRWMD

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
 Clearing and grubbing of areas of native habitat or areas immediately adjacent to native habitat shall avoid the migratory bird and raptor breeding season (February 1 to August 15). If construction in these areas cannot be avoided during this period, a nest survey within the area of impact and a 200-foot buffer for passerines and any available raptor nesting areas within 500 feet shall be conducted by a qualified biologist no earlier than 14 days and no later than 5 days prior to any native habitat removal or ground disturbance to determine if any nests are present. Surveys will be repeated as needed if the vegetation removal occurs over an extended period. If an active nest is discovered during the survey, a buffer of 200 feet for migratory birds or 500 feet for raptors (or as determined by the biologist based on a field assessment) would be established around the nest. No construction activity may occur within this buffer area until a biologist determines that the nest is abandoned, or fledglings are adequately independent from the adults. Plan Requirements and Timing: The survey(s) shall be conducted by a qualified biologist and the measures shall be included in the project's plans and specifications and implemented during the entire construction period. Monitoring: RRWMD shall ensure these measures are fully implemented during the construction period. 	Review of project plans and specifications, and bird survey reports, field inspection of any buffer areas during construction	Prior to any ground disturbance, during the bird breeding season (nesting and monitoring) and periodically during each construction period	RRWMD and contractor

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	RESPONSIBLE PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
MM BIO-3: Rare Plant Replacement. Santa Barbara honeysuckle plants within the previously undisturbed area shall be replaced at a minimum 2:1 ratio (estimated 100 plants). Cuttings and/or fruit shall be taken from plants to be removed and grown in a native plant nursery as container plants, if feasible, or obtained commercially from the Gaviota Coast area. These plants shall be planted at undeveloped areas of the Landfill property or Baron Ranch in suitable habitat areas and maintained as needed to ensure at least 50 Santa Barbara honeysuckle plants survive in the long-term. Plan Requirements and Timing: A Santa Barbara honeysuckle replacement plan shall be prepared by a qualified restoration specialist. The plan shall include maintenance and monitoring of replacement plants, and implemented as needed to ensure viable cuttings are taken prior to removal of any Santa Barbara honeysuckle plants or are acquired commencially. Santa Barbara honeysuckle replacement requirements shall be included in the project's plans and specifications. Monitoring: RRWMD shall ensure this measure is fully implemented, including taking cuttings, propagation, planting and maintenance.	Review of plans and specifications, and the Santa Barbara honeysuckle replacement plan, field inspections during cutting/fruit collection, plant propagation, planting and maintenance	Prior to ground disturbance, and during planting and maintenance	RRWMD

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
MM BIO-4a: Crotch's Bumblebee Training and Construction Phasing. A Crotch's bumblebee environmental awareness training for all operations staff and construction contractors involved in the project shall be conducted prior to the start of construction. The training shall be conducted by a qualified biologist and include general and site-specific information such as: avoiding unnecessary disturbance or damage to floral resources and potential nest sites outside of the project area; discussion of federal and state regulations that protect candidate bumble bees, their legal implications, and the necessity of compliance; and protocols for reporting sightings of candidate bumble bees on site. Where feasible, vegetation removal and/or grubbing of coastal sage scrub vegetation (including black sage scrub, California buckwheat scrub and California brittle-bush scrub (see Figure 4.3-2) within the Capacity Increase Project area shall be phased to minimize impacts. RRWMD shall consult with CDFW regarding the need for an Incidental Take Permit and other feasible avoidance measures. Plan Requirements and Timing: This requirement shall be reflected in all construction plans and specifications. Monitoring: RRWMD shall ensure consultation with CDFW occurs and the information is included on the plans and the RRWMD construction manager shall ensure bumblebee habitat removal is phased to limit/avoid impacts.	Review of construction plans and specifications, field inspection during vegetation removal	During vegetation removal	RRWMD

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
 MM BIO-4b: Crotch's Bumblebee Habitat Replacement. To mitigate for the loss of foraging habitat, habitat replacement shall be conducted by: Inclusion of deerweed (Acmispon glaber), native sages (Salvia ssp.), native thistles (Cirsium ssp.), native snapdragons (Antirrhinum ssp.), native phacelias (Phacelia ssp.), native lupines (Lupinus ssp.) native milkweeds (Asclepias ssp.), native buckwheat (Eriogonum ssp.) and native clovers (Trifolium ssp.) in seed mixes applied to the cut slopes that will not be a part of the capacity increase area as part of erosion control. Restoration/enhancement of 10.2 acres (at a minimum 1:1 ratio) of non-native or disturbed native vegetation at the Landfill and/or Baron Ranch using the above plant species and others suitable as pollen and/or nectar sources for Crotch's bumblebee. If a suitable restoration/enhancement site is not available at the Landfill property or Baron Ranch, habitat replacement may occur at another site approved by CDFW. Where feasible, foraging resources shall be planted in continuous single species patches (rather than intermixing the species) to provide readily available contiguous nectar sources to improve foraging success. Plant selection to provide bumblebee foraging resources shall consider the use of species with non-overlapping peak flowering periods to ensure a constant availability of pollen and/or nectar sources during the foraging and nesting period. To support nesting, creation of potential nesting habitat using piles of field stones, brush, hay, or logs that supply dark, dry cavities for bumblebees to nest. Avoiding the use of pesticides such as glyphosate on restored areas or other areas of potential habitat at the Landfill and at Baron Ranch. Reducing foraging competition and potential for spread of disease by eliminating the placement of honeybee hives at Baron Ranch. 	Review of seed mixes and the Crotch's bumblebee habitat replacement plan, and field inspection of restoration/enhance ment activities	Upon completion of the Crotch's bumblebee habitat replacement plan, and during implementation of restoration/enhancem ent activities	RRWMD

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
<u>Plan Requirements and Timing</u> : A Crotch's bumblebee Habitat Replacement Plan shall be prepared by a qualified restoration biologist with input from an entomologist knowledgeable about the life history, habitat requirements and appropriate foraging resources for the bumblebee. The plan shall include the items listed above and other measures (as appropriate) identified by the restoration biologist and entomologist. The plan shall be submitted to CDFW for review and approval and implemented following construction. <u>Monitoring</u> : RRWMD shall ensure the Habitat Replacement Plan is prepared and implemented, pesticides are not used and honeybee hives are not in use at Baron Ranch.	Review of seed mixes and the Crotch's bumblebee habitat replacement plan, and field inspection of restoration/enhance ment activities	Upon completion of the Crotch's bumblebee habitat replacement plan, and during implementation of restoration/enhancem ent activities	RRWMD
MM BIO-4c: Crotch's Bumblebee Habitat Usage Study. A Habitat Usage Study shall be developed and implemented to determine the post-restoration bumblebee use of the habitat replacement areas discussed in MM BIO-4b. Plan Requirements and Timing: A plan for the Habitat Usage Study shall be designed by a qualified entomologist and implemented by a qualified biologist or entomologist. The plan shall be reviewed and approved by CDFW. The timing and duration of the survey(s) for habitat usage shall be established in the plan and a report shall be provided including observations and recommendations for adaptive management. A copy of the report shall be submitted to CDFW. Monitoring: RRWMD shall ensure the plan is developed and implemented.	Review of the habitat usage study plan, and the completed study	Upon completion of the habitat usage study plan	RRWMD

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	RESPONSIBLE PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
 MM BIO-5: CRLF Avoidance Measures. The following measures required by the HCP and ITP shall be fully implemented to minimize potential take of CRLF associated with construction activities. A USFWS-approved biologist shall be used for all surveys and monitoring. Environmental sensitivity training shall be provided for all Landfill staff and contractors. Protocols for capturing and relocating any CRLF observed at the Landfill shall be followed. Ground disturbing activities during the rainy season shall be prohibited between sunset and sunrise. CRLF surveys to detect CRLF following all rain events of 0.1 inches or greater and relocation of any observed CRLF to protected areas of Arroyo Quemado shall be conducted. CRLF surveys shall be conducted prior to mechanical ground disturbance in vegetated areas and protective buffers established if any are found. Equipment operators working outdoors in the rainy season shall search around and under their equipment and stored materials before starting the equipment and again if the equipment has been idle for 60 minutes. Where possible, construction activities will be completed in a manner to prevent creating depression where water can pond and if ponding occurs the area will be surveyed prior to continuing construction in the ponded area. During the rainy season, all steep-walled holes, open trenches and other excavations 12 inches or deep or greater will be covered each night of provided with escape ramps. Excavations will be inspected before they are backfilled. Vehicles travelling on the Landfill and to work areas shall observe posted speed limits (15 mph) at all times. Refueling and maintenance of equipment and vehicles shall be conducted at least 60 feet from Pila Creek and the sedimentation basins and any vehicle or equipment operating within the Pila Creek channel shall be free of leaks. 	Review of project plans and specifications, field inspection prior to and during construction	Prior to construction (plan review, biological surveys, worker training), during construction as indicated	RRWMD and contractor

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING
BIOLOGICAL RESOURCES (Continued)			
<u>Plan Requirements and Timing</u> : These requirements (and others) are documented in the ITP and HCP and shall be included in the construction plans and specifications. <u>Monitoring</u> : RRWMD shall ensure compliance with the ITP and HCP and complete the required annual reporting	Review of project plans and specifications, field inspection prior to and during construction	Prior to construction (plan review, biological surveys, worker training), during construction as indicated	RRWMD and contractor
HAZARDS & HAZARDOUS MATERIALS			
MM HAZ-1: Hazardous Materials Assessment and Remediation. Prior to earth disturbing activities within the Landfill maintenance and storage area, a preliminary assessment of areas within the project footprint where historical hazardous materials use occurred shall be conducted to identify the potential presence of contaminated soil. A soil sampling and management plan shall be developed to provide guidance for the delineation of the contaminated area and proper identification, handling, on-site management, treatment and disposal of contaminated soil that may be encountered during construction activities. If contaminated soil is identified, the contaminated area shall be delineated, construction work shall not be initiated in the contaminated area and the soil management plan implemented. The soil management plan shall be modified as needed to fully address the soil contamination found. If the results of the soil assessment identify contaminants that exceed threshold levels, affected soils shall be remediated to the satisfaction of the Environmental Health Services Division. Plan Requirements and Timing: These measures shall be included in the required soil management plan, project's plans and specifications and implemented prior to excavation of the proposed Phase IV waste fill area. Monitoring: RRWMD shall ensure these measures are implemented and review the results of the preliminary assessment, the work plan and soil management plan. If contaminated soil is identified, RRWMD shall verify that soil remediation is completed as per Environmental Health Services Division requirements.	Review of project plans and specifications, review of the results of the preliminary assessment, review of the soil management plan, field inspection during plan implementation	Prior to construction (preliminary assessment, soil management plan review) and during construction (plan implementation) as indicated	RRWMD

MITIGATION REQUIREMENTS AND TIMING	METHOD OF MONITORING ¹	TIMING OF MONITORING	PARTY IMPLEMENTATION/ MONITORING
CULTURAL RESOURCES			
MM CR-1: Cultural Resources Awareness Program and Evaluation and Protection of Discovered Resources. A worker cultural resources awareness program shall be implemented for the project. Prior to any ground-disturbing activity, RRWMD shall provide an initial cultural resources sensitivity training session to all project employees, contractors, subcontractors, and other workers prior to their involvement in any ground-disturbing activities, with subsequent training sessions to accommodate new personnel becoming involved in the project. The program may be conducted together with other environmental or safety awareness and education programs for the project, provided that the program elements pertaining to cultural resources are provided by a qualified archaeologist. In the event that archaeological resources are exposed during construction, all earth disturbing work within the vicinity of the find shall be temporarily suspended or redirected until a professional archaeologist has been retained to evaluate the nature and significance of the find pursuant to a Phase 2 investigation. The RRWMD shall be notified immediately of any such find. The find shall be appropriately documented through a Phase 3 data recovery program and/or avoided if deemed necessary by a qualified archaeologist. If human remains are unearthed, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the NAHC. Plan Requirements and Timing. The above measures shall be reflected in the contract specifications for the Capacity Increase Project. The cultural resources awareness program shall be implemented prior to any project-related ground disturbance. Resource evaluation and protection (as appropriate) shall be initiated if evidence of cultural resources is observed during pro	Review of plans and specifications, field inspection during earthwork, review of archeological reports and field inspection if resources or remains are found	Prior to ground disturbance and during construction as indicated	RRWMD and contractor
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MITIGATION REQUIREMENTS AND TIMING NOISE	METHOD OF MONITORING ¹	TIMING OF MONITORING	RESPONSIBLE PARTY IMPLEMENTATION/ MONITORING
 MM N-1: Blasting Hours and Notification Blasting shall be limited to the hours of 7 a.m. to 4 p.m. Local residents shall be notified of the blasting schedule at least one week in advance through direct mailing or emailing to all residences located within two miles of the Landfill property. 	Review of plans and specifications, and blasting notifications	At least one week before planned blasting	RRWMD
<u>Plan Requirements and Timing</u> : Blasting hours restrictions shall be included on the construction plans and specifications and be in effect during the entire construction period. <u>Monitoring</u> : RRWMD staff shall verify blasting activities have been noticed and comply with operating hours restrictions.			