

APPENDIX B
PROPOSED BEE CANYON GREENERY COMPOSTING OPERATION AT FRB LANDFILL
MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Measure	Implementing Action	Method of Verification	Timing of Verification	Verification Responsibility	Date Completed
Aesthetics					
(Aesthetics MM-1) For the water tanks that will be located on the composting site operations area, OC Waste & Recycling will ensure that the water tanks are either painted tan or a similar color or that when the tanks are ordered they will either be tan or a similar color that will blend in with the adjacent topography to reduce any aesthetics/viewshed impacts to residents using Portola Springs Community Park or to any other residents that are able to see the water tanks. In addition, the tanks will be painted with non-reflective paint.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	Prior to construction (ordering the water tanks) or during construction (painting the water tanks)	OCWR	
While the Mitigated Negative Declaration-Initial Study did not identify the following environmental topics as having significant environmental impacts, in order to further reduce the less than significant impacts for these environmental topics, OCWR has added the following Project Design Features and Operational Control Measures (PDF & OCM). All of these Project Design Features and Operational Control Measures included in this Mitigation Monitoring and Reporting Program will be incorporated into the Report of Composting Site Information (RCSI), to be reviewed and approved by the Orange County Health Care Agency, Environmental Health Division, acting in its capacity as the Orange County Solid Waste Local Enforcement Agency (LEA) for the California Department of Resources Recycling and Recovery (CalRecycle). The RCSI is the key engineering, permitting, construction and operations document that the LEA will rely upon when issuing the Solid Waste Facility Permit for the Bee Canyon Greenery Composting Operation.					
Air Quality – Dust Control					
(Air Quality-Dust Control PDF & OCM-1) Compost windrows will not be turned during high wind episodes exceeding wind speeds of 30 miles per hour in order to manage dust particulates.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Dust Control PDF & OCM-2) The compost operation entryway and often-traveled paths will be overlain with crushed rock or asphalt to prevent tracking of onsite materials and dust off-site.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	
(Air Quality-Dust Control PDF & OCM-3) Unpaved roads shall be watered as necessary to minimize visible dust. Alternatively, roads may be paved.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	

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<p>(Air Quality-Dust Control PDF & OCM-4) The composting operation will implement SCAQMD's Rule 403, requiring control of fugitive dust during construction and operations via best-available control measures. These measures include the following:</p> <ul style="list-style-type: none"> ○ Apply non-toxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (i.e., previously graded areas inactive for 10 days or more). ○ Water active sites at least twice daily (locations where grading is to occur shall be thoroughly watered prior to earthmoving). ○ Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 2 ft. (0.6 meter) of freeboard (vertical space between the top of the load and the top of the trailer) in accordance with the requirements of California Vehicle Code Section 23114. ○ Pave construction access roads at least 100 feet (30 meters) onto the site from the main road. ○ Reduce traffic speeds on all unpaved roads to 15 mph or less. 	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	
Air Quality – Odor Control					
<p>(Air Quality-Odor Control PDF & OCM -1) The composting operation will only accept green waste loads for composting that have already been processed off-site (i.e., chip, ground and screened) to remove contamination such as food waste prior to the processed green waste being delivered to the Bee Canyon Greenery. Pre-processing will reduce the potential for highly odorous loads.</p>	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
<p>(Air Quality-Odor Control PDF & OCM-2) Upon acceptance at the composting operation, prior to unloading, any highly odorous loads will be taken to the landfill working face for disposal.</p>	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	

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(Air Quality-Odor Control PDF & OCM-3) Upon acceptance at the composting operation, if any highly odorous loads are inadvertently unloaded, OCWR will collect the loads and take the material to the landfill working face for disposal.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-4) Green waste will be delivered to the composting operation on an as-needed basis to reduce green waste odors.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-5) OCWR will not select or use any additives or amendments in the composting operation that are either highly odorous by themselves, are highly odorous when added to the compost piles, or are highly odorous over time during the active or curing phases of the composting operation.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-6) OCWR will comply with SCAQMD Rules 1133 and 1133.3 for green waste composting.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-7) Incoming pre-processed materials will be stored on-site no longer than 48 hours. PGM and processed agricultural material will be loaded into a dump truck by a front loader as soon as possible and delivered to the active composting area, where the material will then be placed into new compost piles by a front loader.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-8) The feedstock materials will be formed into elongated piles/open windrows, with dimensions not exceeding 12 feet in height, 20 feet in length and 100 feet long for composting with the addition of moisture as needed by the on-site water truck. Newly constructed compost windrows will initially be covered with at least 6 inches of finished compost within 24 hours of formation as required by SCAQMD Rule 1133.3. For the first 15 days after initial windrow formation, within six hours before turning, water will be applied as necessary to ensure the pile meets the wetness criteria described in Rule 1133.3. During this period, the temperature of each compost pile will be taken every day.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	

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<p>(Air Quality-Odor Control PDF & OCM-9) Active compost shall be maintained under aerobic conditions at a temperature of 55 degrees Celsius (131 degrees Fahrenheit) or higher for the Process to Further Reduce Pathogens (PFRP) period of 15-days or longer as specified in 14 CCR 17868.3(b)(3) utilizing wheeled loaders or a windrow turner. During the period when the compost is maintained at 55 degrees Celsius (131 degrees Fahrenheit) or higher, there shall be a minimum of five turnings of the windrow.</p>	<p>Issuance of Solid Waste Facility Permit by LEA</p>	<p>Verification by OCWR Composting Facility Superintendent</p>	<p>During operations</p>	<p>OCWR</p>	
<p>(Air Quality-Odor Control PDF & OCM-10) OCWR has prepared an Odor Impact Minimization Plan (OIMP) for the proposed composting operation in compliance with 14 CCR 17863.4. The OIMP is included as Appendix E to the Mitigated Negative Declaration for the composting operation. All odor control measures included in the OIMP are hereby incorporated into this Mitigation Monitoring and Reporting Program. Per the OIMP, each operating day, designated site personnel shall assess and evaluate the perimeter of the composting operation area and landfill boundary for objectionable odors. Best management practices (BMPs) and good housekeeping measures will be implemented to minimize the release of objectionable odors. BMPs include:</p> <ul style="list-style-type: none"> ○ Maintaining adequate heat in the piles through appropriate pile density, limiting turning frequency and/or pile dimensions. ○ Provide adequate moisture throughout the active composting process. ○ Frequent monitoring of temperature and moisture content assures composting conditions are within acceptable parameters. <p>Good housekeeping measures that will be implemented include:</p> <ul style="list-style-type: none"> ○ Clearing spilled materials between windrows. ○ Eliminating areas with the potential for ponding water. 	<p>Issuance of Solid Waste Facility Permit by LEA</p>	<p>Verification by OCWR Composting Facility Superintendent</p>	<p>During operations</p>	<p>OCWR</p>	

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<ul style="list-style-type: none"> ○ Maintaining reasonably sized stockpiles of incoming feedstock by deploying it into windrows within 72 hours. 					
<p>(Air Quality-Odor Control PDF & OCM-11) The OIMP requires that OCWR implement the following steps in the event that objectionable odors are detected at the composting operation site:</p> <ul style="list-style-type: none"> ○ Stop all operations if they are causing off-site odor impacts until the source of the odors is identified, corrected and the odor migration ceases. ○ Designated site personnel shall investigate likely source of odors. ○ Designated site personnel shall determine wind patterns and direction at the time odor was detected. ○ Based on the intensity of odor nuisance, designated site personnel shall determine if odor has travelled off-site by surveying the perimeter of the composting facility and vicinity of potential off-site receptors. ○ If the source of odors is found to be the composting operation, determine if on-site management practices (e.g., mixing odiferous materials with sawdust or other bulking agent, turning the windrows less frequently, remove odiferous materials and dispose of them in the landfill, etc.) could remedy any odor problems and immediately take steps to remedy the situation. ○ Determine whether or not the odor has moved off-site and if so, if it significant enough to warrant contacting the adjacent neighbors and/or the LEA. ○ If it has been determined that odor has moved off-site, the incident shall be recorded in the compost daily operational logbook which shall include all actions and activities taken to resolve or minimize odor nuisance for future reference and operational considerations. 	<p>Issuance of Solid Waste Facility Permit by LEA</p>	<p>Verification by OCWR Composting Facility Superintendent</p>	<p>During operations</p>	<p>OCWR</p>	

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<ul style="list-style-type: none"> Do not start operations again (i.e., accepting additional green waste in temporary storage area, placement and formation of new windrows) until the wind and meteorological conditions are favorable and will not promote off-site odors. 					
<p>(Air Quality-Odor Control PDF & OCM-12) Per the OIMP, the following complaint response protocols will be implemented:</p> <ul style="list-style-type: none"> All odor complaints received from potential receptors and/or regulators shall be recorded in the facility operational logbook and complaint log. Designated site personnel shall contact complainant and/or regulator to obtain details of the complaint such as name, time, location and nature or characteristics of odors. Designated site personnel shall notify appropriate regulators of the complaint. Designated site personnel shall investigate and implement methods in assessing odor impacts. Designated site personnel shall immediately implement additional or appropriate measures to minimize odors. Once the OIMP measure or measures have been implemented and the odor has been minimized, designated site personnel shall follow up with complainant. 	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
<p>(Air Quality-Odor Control PDF & OCM-13) The FRB Landfill maintains an on-site meteorology station that monitors wind direction, wind speed, temperature, and relative humidity. Data from this station will be used to help monitor conditions at the composting operation if an odor issue arises and also prior to an odor issue occurring.</p>	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	

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(Air Quality-Odor Control PDF & OCM-14) For the composting operation, OCWR will establish contingency plans for operating downtime (e.g., equipment malfunction, power outage).	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-15) OCWR shall post telephone numbers at the entrance of the composting facility to allow members of the public to contact the OCWR composting facility superintendent to report odor complaints.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-16) Should processed green material arrive at the composting operation with noticeable odors, options for reducing odors would include but are not limited to the following: reject highly odorous loads and landfill the material; eliminate troublesome or contaminated feedstocks; mix materials upon receipt (i.e., to increase material porosity); stockpile bulking agents or high carbon amendments; make smaller piles; blanketing odorous material with a six inch to one-foot layer of bulking agent, high carbon amendments or finished compost.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-17) Should processed green material in the temporary unloading and storage area begin to generate odors, options for reducing odors would include but are not limited to the following: expedite material processing; first in, first out processing; reduce the size of material stockpiles; blanketing odorous material with a six inch to one-foot layer of bulking agent, high carbon amendments or finished compost; reduce the volume of incoming materials; identify alternative facilities for incoming materials.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-18) Should processed green material begin to generate odors during mixing and material handling, options for reducing odors would include but not be limited to the following: create windrow piles that are sufficiently blended; combine materials to achieve a high carbon to nitrogen ratio (greater than 30 to 1); create piles with good porosity; ensure that mixing areas/activities are located as far as possible from sensitive receptors; reduce mixing/materials handling activity during stagnant air conditions; reduce mixing/materials handling activity when	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	

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wind is in the direction of sensitive receptors; mist water or odor neutralizer at dust generation points.					
(Air Quality-Odor Control PDF & OCM-19) Should processed green material begin to generate odors during the composting process, options for reducing odors would include but not be limited to the following: turn regularly to re-invigorate the composting process; maintain sufficient moisture in windrows; avoid over-watering windrows; make smaller windrows to increase passive aeration; increase porosity and bulk density; consider blanketing odorous materials with a six-inch to one-foot layer of bulking agent; make piles on a one-foot bed of overs to increase airflow; reduce turning/material handling activities when winds are blowing in the direction of nearby receptors; diligently manage and monitor the composting process.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-20) Should processed green material begin to generate odors during screening, options for reducing odors would include but not be limited to the following: reduce screening activities during stagnant air conditions; reduce screening activities when wind is in the direction of nearby receptors; use mist water or neutralizer at dust generation points.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-21) Should processed green material begin to generate odors from water ponding after a rain event, options for reducing odors would include but not be limited to the following: inspect piles after major rain events; grade the site to eliminate puddles, depressions and wheel ruts where water collects; absorb ponded water with wood chips/other absorbent, fill potholes with soil/pad material.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-22) Should processed green material begin to generate odors after as a result of uncomposted material in aisles between the windrows, options for reducing odors would include but not be limited to the following: clean aisles of spilled material (particularly at the end of each day; mechanically sweep paved areas at the end of each shift; apply water and/or neutralizer to reduce dust during dry conditions.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	

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(Air Quality-Odor Control PDF & OCM-23) Should processed green material begin to generate odors during curing, options for reducing odors would include but not be limited to the following: increase processing time prior to moving to curing; decrease curing pile size; review moisture content of in-process compost; aerate curing piles; screen after curing to maintain porosity.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Air Quality-Odor Control PDF & OCM-24) Should collected leachate and storm water in the lined pond begin to generate odors, options for reducing odors would include but not be limited to the following: review NPDES procedures to minimize storm water contact with organic materials; remove particles from water draining into the lined pond; filter stormwater through a filter berm or sock; clean out lined pond during the dry season; reapply collected leachate and storm water to active compost piles; install aeration system.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
Hazards and Hazardous Materials – Hazardous Waste Exclusion and Control					
(Hazards and Hazardous Materials – Hazardous Waste Exclusion and Control PDF & OCM-1) The existing hazardous waste exclusion and load-checking program for the FRB Landfill will also be used for the proposed composting operation. Loads are inspected both at the fee booth and during unloading. If any hazardous materials are discovered in loads at the fee booth, the hauler will be turned away from the landfill and provided with information regarding acceptable hazardous waste disposal facilities. Any hazardous wastes that are discovered after unloading, if safe to handle, will be stored at the temporary hazardous waste storage area at the landfill, before being transported off-site by a certified hazardous waste hauler for proper disposal.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
Hazards and Hazardous Materials – Exclusion of Unacceptable Solid Wastes					
(Hazards and Hazardous Materials – Exclusion of Unacceptable Solid Wastes PDF & OCM-1) For the composting operation, all green waste materials received will be processed, ground and screened prior to delivery to the composting operation. This will eliminate most non-green waste solid waste materials prior to delivery to the composting operation. However, if contaminated loads are received at the composting operation that contain food wastes or other unacceptable solid wastes, these loads will be immediately	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	

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collected and transported to the landfill working face for disposal.					
Hazards and Hazardous Materials – Fire Prevention and Protection					
(Hazards and Hazardous Materials-Fire Prevention and Protection PDF & OCM-1) OCWR shall provide fire prevention, protection and control measures, including, but not limited to, temperature monitoring of windrows and piles, adequate water supply for fire suppression, and the isolation of potential ignition sources from combustible materials. A strip of sufficient width of cleared land must be maintained along the perimeter of site operations to act as a fire barrier or break. OCWR will consult with OCFA to determine the size of the fire break.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Hazards and Hazardous Materials-Fire Prevention and Protection PDF & OCM-2) The composting operation will be designed and operated to meet all Orange County Fire Authority (OCFA) fire flow and fire safety requirements. This will include but not be limited to the spacing between windrows; the number, width and length of fire lanes; the distance of the windrows and material storage areas to flammable vegetation, a water tank, water pumps, water lines and fire hydrants.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Hazards and Hazardous Materials-Fire Prevention and Protection PDF & OCM-3) All 20-foot wide compost pile areas will be surrounded by 20-foot wide fire access lanes. Perimeter roads will be a minimum width of 20 feet and expand to a minimum width of 40 feet at hydrant locations to accommodate fire response.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
Hydrology and Water Quality					
(Hydrology and Water Quality PDF & OCM-1) Prior to construction of storm water containment and treatment facilities and prior to grading of the composting operation project site, OCWR shall prepare a Storm Water Pollution Prevention Plan (“SWPPP”) to obtain coverage under the State-wide general construction storm water pollution National Pollutant Discharge Elimination System (“NPDES”) permit. The BMPs outlined in the SWPPP shall be implemented in project construction and operations.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	Prior to construction	OCWR	

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<p>BMPs are used to control surface water runoff, erosion and siltation at the project site during the construction of the proposed facility. Typical BMPs are listed below:</p> <ul style="list-style-type: none"> - Fuel delivery or dispensing will be observed by facility personnel. Fuel delivery or dispensing that is not observed by facility personnel is prohibited. - Vehicles and equipment will be kept in good working order. Equipment and vehicles with leaks are to be repaired promptly by trained mechanics. - Equipment and parts with a potential to impact storm water are to be placed under tarps as needed during storm events. - Spills will be reported and proper spill response procedures will be promptly implemented. Should such a situation occur, soils affected by spills and leaks from landfill equipment will be removed. Proper clean-up procedures will first involve removal of the impacted soil layer. The soil will then be placed in 55-gallon drums for off-site treatment and disposal. - Berms, silt fences, sandbags, hay bales, wattle-wattles, geotextiles and straw mats will be installed during construction to reduce erosion. - BMPs include both non-structural and structural controls. Non-structural controls will include BMPs such as preventative maintenance, proper materials handling, spill prevention and control and litter control. Structural controls would include BMPs such as overhead coverage, secondary containment, roof gutters, paved surfaces designed to maintain positive drainage and curbs. 					
<p>(Hydrology and Water Quality PDF & OCM-2) Prior to operation of the composting operation, OCWR shall apply for coverage under the State-wide general storm water NPDES permit for industrial facilities or apply for an individual facility storm water NPDES permit.</p>	<p>Issuance of Solid Waste Facility Permit by LEA</p>	<p>Verification by OCWR Composting Facility Superintendent</p>	<p>Prior to operations</p>	<p>OCWR</p>	

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(Hydrology and Water Quality PDF & OCM-3) OCWR shall conduct quarterly sampling and testing of windrow leachate and runoff for the presence of any hazardous substances at concentrations above those effluent standards set forth in the project's NPDES permit.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Hydrology and Water Quality PDF & OCM-4) OCWR shall fully contain all surface water runoff and leachate resulting from the composting operation. Collected surface water runoff and leachate will be collected on-site from the composting operation lined pond, and reused with the composting operation.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Hydrology and Water Quality PDF & OCM-5) Testing of finished compost (i.e., after the curing process is complete) for pathogens, metals and physical contamination will be performed in accordance with California Code of Regulations Title 14 requirements.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Hydrology and Water Quality PDF & OCM-6) Although OCWR has no plans to use additives or amendments as part of the composting operation at this time, should this change in the future, any additives or amendments that will be used shall be non-toxic and subject to the approval of the RWQCB and the LEA prior to their use.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	
(Hydrology and Water Quality PDF & OCM-7) For the Bee Canyon Greenery, the site will be graded such that the center of each compost pile will be located on a high point and the compost deck will be graded at 2 percent toward the access lanes which will be graded at 2 percent to the northeast, as shown on Figure 5 , conveying flows to an approximate 15.84-acre feet lined composting operation pond, that will be constructed to capture storm water runoff and leachate from the composting operation. The composting operation lined pond dimensions were determined based on National Oceanic and Atmospheric Administration (NOAA) precipitation data based for a 25-year, 24-hour storm event (per Order WQ 2015-0121-DWQ, General Waste Discharge Requirements for Composting Operations) and the appropriate tributary boundary of the compost area. In addition, in accordance with standard engineering practices, the pond will be designed to accommodate an additional two feet of freeboard above the water level of the design storm event to accommodate waves and splashing from water flows.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During operations	OCWR	

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Noise Control					
(Noise Control PDF & OCM-1) Construction activities will be limited to between the hours of 7:00 a.m. and 7:00 p.m. on weekdays and between the hours of 9:00 a.m. and 6:00 p.m. on Saturdays. The County of Orange shall have the discretion to permit construction activities to occur outside of the allowable hours if compelling circumstances warrant such an exception (e.g., weather conditions to pour concrete).	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction	OCWR	
(Noise Control PDF & OCM-2) Construction contractors shall limit haul truck deliveries to the same hours specified for construction equipment (between the hours of 7:00 a.m. and 7:00 p.m. on weekdays and between the hours of 9:00 a.m. and 6:00 p.m. on Saturdays (except in the case of urgent necessity)). The contractor shall prepare a haul route exhibit for review and approval by OCWR prior to commencement of construction activities. The haul route exhibit shall design delivery routes to minimize the exposure of sensitive land uses or residential dwellings to delivery truck-related noise. Per the County's Cooperative Agreement with the City of Irvine, the designated access roads to the FRB Landfill are I-405, I-5, Sand Canyon Avenue, Portola Parkway and Bee Canyon Access Road. These same roadways will be used by vehicles going to and from the composting operation during both the construction and operational phases of the project.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	
(Noise Control PDF & OCM-3) All construction equipment shall use noise-reduction features (e.g., mufflers and engine shrouds) that are no less effective than those originally installed by the manufacturer.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	
(Noise Control PDF & OCM-4) Trucks hauling building materials to construction sites can be sources of noise and vibration intrusion if the haul routes pass through residential neighborhoods on streets with bumps or potholes. During both the construction and operational phases of the project, OCWR shall be responsible for repairing the bumps and potholes on Bee Canyon Access Road in order to prevent this additional source of construction and operational noise in residential areas. Bumps and potholes on Portola Parkway and Sand Canyon Avenue are repaired during routine maintenance performed by the City of Irvine.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	

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(Noise Control PDF & OCM-5) All trucks, windrow turners, loaders and any other heavy equipment used during both the construction and operational phases of the project shall be operated with properly operating and well-maintained mufflers.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	
(Noise Control PDF & OCM-6) Truck drivers shall turn off engines when not in use; diesel trucks servicing the project shall not idle for more than five (5) minutes.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	
(Noise Control PDF & OCM-7) OCWR shall post telephone numbers at the entrance of the composting facility to allow members of the public to contact the OCWR composting facility superintendent to report noise complaints.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	
(Noise Control PDF & OCM-8) The construction contractor shall locate equipment staging in areas that will create the greatest distance between construction-related noise sources and most noise-sensitive receptors nearest the project site during all project construction.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction	OCWR	
(Noise Control PDF & OCM-9) The construction contractor shall place all stationary construction equipment so that the emitted noise is directed away from the sensitive receptors nearest the project site.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction	OCWR	
Transportation					
(Transportation PDF & OCM-1) Trucks going to and coming from the composting operation will be required to use the same roadways that waste hauling vehicles use for accessing the landfill operation. These authorized roadways include I-405, I-5, Sand Canyon Avenue, Portola Parkway and Bee Canyon Access Road.	Issuance of Solid Waste Facility Permit by LEA	Verification by OCWR Composting Facility Superintendent	During construction and operations	OCWR	