

Mitigation Monitoring and Reporting Program Conditional Use Permit C-5512

Altamont Landfill and Resource Recovery Facility
Livermore, California

September 2000

Prepared For:

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**MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT NO. C-5512
FOR THE
ALTAMONT LANDFILL AND RESOURCE RECYCLING FACILITY**

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SECTION 1.0
PROGRAM OVERVIEW

1.0 PROGRAM OVERVIEW

1.1 BACKGROUND

The Altamont Landfill and Resource Recycling Facility (ALRRF) is a Class II/III disposal facility situated on approximately 2,170 acres. To-date operations have occurred in an area of approximately 232 acres. In order to provide continued refuse disposal services to it's clients, WMAC is developing additional capacity directly adjacent to the existing refuse disposal areas. This area is known as the Class II Expansion Area. The necessary environmental clearances including a settlement agreement with various opposition parties on the Environmental Impact Report (EIR) was recently worked out to allow the project to go forward. As a result, the Final EIR (Appendix A) and Conditional Use Permit (CUP) No. C-5512 (Appendix B) were certified/approved by the Alameda County Board of Supervisors in April 2000.

1.2 PURPOSE

The environmental assessment conducted in compliance with CEQA identified various impacts with the design and operation of the Class II Expansion area. Associated mitigation measures were then proposed to lessen and/or eliminate these impacts. These mitigation measures were developed as part of the EIR document and incorporated into the CUP No. C-5512, dated March 6, 2000. As required under the Public Resources Code (PRC), Section 21081.6, the lead agency is required to submit a Mitigation Monitoring and Reporting Program (MMRP), as part of the EIR.

Condition 84 of CUP No. C-5512 requires the operator, Waste Management of Alameda County (WMAC), to prepare and submit for review and approval the MMRP consistent with the mitigation measures developed as part of the environmental review conducted in support of the Class II Expansion Area.

This MMRPP reflects the final mitigation measures in the EIR and was prepared to comply with the PRC California Environmental Quality Act (CEQA), Title 14, Section 21081.6. CEQA requires adoption of a reporting or monitoring program for those measures or conditions placed on a project to mitigate or avoid adverse effects on

the environment. The law states that the monitoring or reporting program shall be designed to ensure compliance during project implementation. When implemented in conjunction with the local Enforcement Agency's (EA) conditions, environmental effects associated with the expansion of the landfill would be less than significant.

SECTION 2.0
PROGRAM CONDITIONS

2.0 PROGRAM CONDITIONS

Conditions of Approval Nos. 7 through 83 of CUP C-5512 have been identified as the measures to be implemented during the expansion of the landfill. Table 1 of the MMRP consists of the following five main components:

1. The CUP Condition Number.
2. A brief description of the condition.
3. The organization(s) who are responsible for implementation (e.g., the operator) and verification (e.g., the EA) of the action taken for the condition. The method that will be used to document or verify fulfillment or compliance with the condition (e.g., record review).
4. The monitoring frequency and duration with each condition.
5. The consequences of not complying with the condition (e.g., violation of the CUP).

The MMRP has been designed to be flexible. Changes to the compliance procedures may be necessary based upon recommendations made by those responsible for monitoring a condition of the CUP. The landfill operator will be responsible for implementing the MMRP.

**TABLE 1
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
IDENTIFICATION OF CONDITIONS**

CUP Condition No.	Summary Description of CUP Condition	Organization Responsible for:			Monitoring		Consequences of Non-Compliance
		Implementation	Verification	Verification Method	Frequency	Duration	
LAND USE							
7.	Buffer zones shall be retained around perimeter of the landfill footprint as shown on Exhibit 1.	WMAC/ALRRF	LEA	Annual Progress Report	Annual	Life of Project (LOP)	Violation of CUP
8.	Apply to Livermore Area Recreation and Park District to modify its 1991 Regional Trail Plan to recognize the proposed Class II Landfill Expansion Project.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report, Modify Regional Trail Plan	Annual	LOP	Violation of CUP
9.	Initiate closure activities when final grades are achieved and submit a program for restoration of the project site to agricultural capability for review by US Dept. of Agriculture, Soil Conservation Service.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report, Restoration Program Plan	Annual	LOP	Violation of CUP
10.	Provide reasonable funding for any study of the health and safety impacts of the ALRRF expansion on such development that the Alameda County Planning Department (ACPD) reasonable determines is necessary part of the Site Development Review (SDR).	WMAC/ALRRF	ACPD	Annual Progress Report	As needed	LOP	Violation of CUP
VISUAL							
11.	Conform with final grades and contours, as depicted in Exhibit 1.	WMAC/ALRRF	LEA	Annual Progress Report	Annual	LOP	Violation of CUP
12.	Continue to monitor and respond to community complaints from neighbors along Dyer Road, rangers, and users of Bethany Reservoir State Recreation Area for dust, stray litter, pests and other aesthetic effects on sensitive viewpoints.	WMAC/ALRRF	LEA	Annual Progress Report, Record Review	Continuous	LOP	Violation of CUP
12.	Transfer vehicles and direct-haul collection vehicles should be enclosed.	Truck owners	LEA	Observation	Continuous	During Active Operations	Violation of CUP
12.	Minimize the distance between tippers and the tip area to minimize airborne litter.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violation of CUP
	Promptly compact refuse to reduce amounts of blowing litter.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violation of CUP and SWFP

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		Implementation	Verification	Verification Method	Frequency	Duration	
12.	Install litter-control fence downwind of the fill area to trap airborne refuse.	WMAC/ALRRF	LEA	Observation	Continuous	LOP	Violation of CUP
13.	Soil stockpiles will be located within basins in existing topography, with heights not to exceed surrounding ridgelines.	WMAC/ALRRF	LEA	Observation	As Needed	LOP	Violation of CUP
13.	Seed larger stockpiles and cut surfaces that are not active for an extended period (more than one season).	WMAC/ALRRF	LEA	Observation	As Needed	Extended Period (more than one season)	Violation of CUP
HISTORIC/ ARCHAEOLOGICAL RESOURCES							
14.	Have qualified archaeologist complete recordation and investigation of known sites under requirements of the State Historic Preservation Officer.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report	As Needed	LOP	Violation of CUP
OTHER COMMUNITY SERVICES							
15.	Preclude unauthorized entry by persons or vehicles into the Class II landfill expansion. The site security measures may include posting a 24-hour guard, maintaining fencing around site perimeter, remote alarm systems for on-site buildings and maintain security lighting.	WMAC/ALRRF	LEA	Visual Observation, Records Review	Continuous	LOP	Violation of CUP
BIOLOGICAL RESOURCES							
16.	Set aside a total of 750 acres for biological habitat mitigation and buffer areas as depicted in Exhibit 1 (Land Dedication for Habitat Preserve).	WMAC/ALRRF	U.S. Fish and Wildlife Service (USFWS) and the City of Livermore	Annual Progress Report	One Time Event	One Time Event	Violation of CUP
16.	Establish a Trust Fund for the acquisition, operation and maintenance of the "Preserve" in an amount to be determined under agreement with the USFWS.	WMAC/ALRRF	U.S. Fish and Wildlife Service (USFWS) and the City of Livermore	Annual Progress Report	One Time Event	One Time Event	Violation of CUP

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CONDITIONAL USE PERMIT C-5512
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CUP Condition No.	Summary Description of CUP Condition	Organization Responsible for:			Monitoring		Consequences of Non-Compliance
		Implementation	Verification	Verification Method	Frequency	Duration	
17.	Implement a mitigation program based on the Biological Assessment (LSA, 1995) and measures identified in the FEIR, such as: Surveys, reporting results to California Dept. of Fish and Game (DFG), USFWS and County Planning Director, obtaining Section 7 or equivalent permit.	WMAC/ALRRF	California DFG, USFWS	Annual Progress Report, Biological Mitigation Program Plan	Annual	LOP	Violation of CUP, Endangered Species Act
17.	Set aside in perpetuity, by recorded deed the 750 acres in Sections 15,16,17 and 21 as well as additional lands off-site for the remaining acreage needed.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report, Biological Mitigation Program Plan	One Time Event, Annual	One Time Event, Annual	Violation of CUP
18.	The MMRP shall be monitored annually for five years and meet California DFG and USFWS performance standards.	WMAC/ALRRF	EA, California DFG and USFWS	Annual Progress Report	Annual	LOP	Violation of CUP
	Conduct surveys at appropriate times of the year for various species, as specified in this condition.	WMAC/ALRRF	EA, California DFG and USFWS	Annual Progress Report	As required by the USFWS or the California DFG.	LOP	Violation of CUP
20.	Conduct pre-construction surveys at appropriate times of the year for various species, as specified in this condition.	WMAC/ALRRF	EA, California DFG and USFWS	Annual Progress Report	As required by the USFWS or the California DFG.	LOP	Violation of CUP
21.	Mitigation lands must be maintained on a long-term basis.	WMAC/ALRRF	EA, California DFG and USFWS	Annual Progress Report	Annual	LOP	Violation of CUP
22.	No unapproved chemicals shall be applied in areas used for mitigation habitat or in areas within one mile of known San Joaquin kit fox occurrences during construction or operational phases of the landfill. If rodent control is necessary, County-approved chemicals shall be used.	WMAC/ALRRF	LEA	Annual Progress Report	As needed	LOP	Violation of CUP

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		Implementation	Verification	Verification Method	Frequency	Duration	
23.	Soil stockpiles will be located in previously disturbed areas and attempt to minimize the area extent of the stockpiles.	WMAC/ALRRF	LEA	Observation	As Needed	LOP	Violation of CUP
24.	Vehicle traffic shall be restricted to established roads, and construction, storage and parking areas and not exceed 20 mph.	WMAC/ALRRF	LEA	Observation	Continuous	LOP	Violation of CUP
25.	Train employees on Kit fox recognition, biology, habitat requirements, legislative protection, and measures to reduce impacts to the species during project construction and operation.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report	Annual	LOP	Violation of CUP
26.	Submit a post-construction compliance report to USFWS within 45 days of completion of each major project component.	WMAC/ALRRF	USFWS	Annual Progress Report	Annual	LOP	Violation of CUP
27.	Closed landfill areas may be provided as part of the replacement mitigation habitat for the San Joaquin kit fox and various passerine species.	WMAC/ALRRF	EA, California DFG and USFWS	Annual Progress Report	Annual	LOP	Violation of CUP
WETLANDS							
28.	Implement a Wetlands Mitigation Plan based on the Conceptual Wetland Mitigation Plan, mitigation measures in the FEIR, and by permits issued by COE, USFWS, DFG, RWQCB and the County.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report, Wetlands Mitigation Plan	Annual	Until Wetlands Mitigation Plan is complete	Violation of CUP
29 and 30.	Monitoring of the replacement wetlands to assess meeting the performance standards of the Wetlands Mitigation Plan.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report, Wetlands Mitigation Plan	Every five years or until performance standards are met.	LOP	Violation of CUP
31.	Maintenance and monitoring of the wetlands.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report	Continuous	LOP	Violation of CUP
32.	ALRRF shall avoid existing ponds in the Phase 1 landfill area until replacement wetlands have been established.	WMAC/ALRRF	LEA, ACPD	Annual Progress Report	Continuous	LOP	Violation of CUP

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		Implementation	Verification	Verification Method	Frequency	Duration	
ALKALI SINK							
33, 34.	Implement a mitigation plan for the alkali sink wetlands based on the Conceptual Wetlands Mitigation Plan, mitigation measures in the FEIR and permits from COE, FWS, DFG, RWQCB and the County. Alkali sink wetlands will be monitored on a bi-annual basis pursuant to a monitoring plan approved by COE, DFG, FWS, and County.	WMAC/ALRRF	LEA, ACPD, USFWS, RWQCB	Annual Progress Report, Wetlands Mitigation Plan	Bi- Annual	LOP	Violation of CUP
35.	Any surface or groundwater delivered to the alkali sink shall be passed through detention basins to remove sediment. Untreated leachate delivered to the sink shall meet applicable water quality standards.	WMAC/ALRRF	LEA/RWQCB	Annual Progress Report	Annual	LOP	Violation of CUP
	Fence the alkali wetlands area to keep livestock out.	WMAC/ALRRF	LEA	Annual Progress Report	Annual	LOP	Violation of CUP
GEOLOGY/SOILS/SEISMIC							
37.	Design & construct landfill in accordance with CCR, Title 27 (formerly Titles 14 and 23) requirements for final cover design, final surface grades and continuing monitoring and maintenance to reduce potential impacts due to settlement.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report, Joint Technical Document (JTD)	Annual	LOP	Violation of CUP, SWFP, WDR's
38.	ALRRF shall conduct slope stability analyses for the design in accordance with CCR, Title 27 (formerly Titles 14 and 23) and stability shall be verified for each landfill cell and excavation.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report, JTD	One Time Event	During Active Operations and at Closure	Violation of CUP, SWFP, WDR's
39.	Proposed final topography included in the JTD (formerly known as a Report of Disposal Site Information), as part of a revised SWFP application.	WMAC/ALRRF	LEA	Annual Progress Report, JTD	One Time Event	Until SWFP is issued	Violation of CUP, SWFP
40.	Establish and monitor permanent survey monuments on and in the immediate vicinity of the landfill to monitor landfill settlement or lateral displacement.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report, JTD	Annual	During post-closure period	Violation of CUP

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CUP Condition No.	Summary Description of CUP Condition	Organization Responsible for:			Monitoring		Consequences of Non-Compliance
		Implementation	Verification	Verification Method	Frequency	Duration	
41, 42 and 43.	Conduct an investigation of fill slopes, closed slopes, cut slopes for instability after a significant rainfall of 6 inches. Provide recommendations to stabilize or minimize hazards of slope instability.	WMAC/ALRRF	LEA, RWQCB	Observation	Annual; Before and after rainy season; During rainfall event of more than 6 inches in 3 days	During Active Operations	Violation of CUP
44.	ALRRF shall design and construct the landfill in accordance with all federal and State requirements relative to seismic safety. Update the Earthquake Response Plan, as necessary.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report, Emergency Response Plan	One Time Event	Until SWFP and WDRs are issued	Violation of CUP, Non- issuance of SWFP and WDR
HYDROLOGY/WATER QUALITY							
45.a.b.c.	Prepare and submit leachate monitoring plan, groundwater monitoring plan, and vadose monitoring plan to RWQCB prior to WDR issuance.	WMAC/ALRRF	RWQCB	Annual Progress Report, Liquids Management Plan	Quarterly	LOP	Violation of CUP and WDR
45.d.	Implement appropriate corrective actions for leachate releases.	WMAC/ALRRF	RWQCB	Observation, Corrective Action Work Plan	Quarterly	LOP	Violation of CUP and WDR
45.e.	Submit a copy of the annual groundwater report to the Zoning Administrator.	WMAC/ALRRF	ACPD, RWQCB	Annual Monitoring Report	Annual	LOP	Violation of CUP and WDR
46.	ALRRF shall be designed and constructed to control drainage and erosion in accordance with the WDR's including surface water run-on and run-off controls. The drainage and erosion plan shall be submitted to the Zoning Administrator with review by Public Works. Begin construction within 10 days of receiving Zoning Administrator's approval.	WMAC/ALRRF	ACPD, RWQCB, PWD	Observation, Annual Progress Report, JTD	Annual	LOP	Violation of CUP and WDR
47.	ALRRF will be designed to accommodate springs under the liner and minimize cover erosion.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report, Engineering Plans	Annual	LOP	Violation of CUP, SWFP, WDR's
	The final grading and drainage design of the ALRRF will minimize cover erosion.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report, JTD	One Time Event	During Closure Construction	Violation of CUP, Approved Final Closure Plan

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		Implementation	Verification	Verification Method	Frequency	Duration	
PUBLIC HEALTH & SAFETY							
49.	Implement existing Special Waste Program (SWP) and update, as necessary, for new designated wastes.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report	Continuous or as needed	During Active Operations	Violation of CUP, SWFP and WDRs
50.	Refuse disposal vehicles at the ALRRF are subject to inspection and approval/rejection by the EA. Trucks carrying dusty material shall be covered during transport.	WMAC/ALRRF; Truck owners	LEA	Inspection/Observation	Random	During Active Operations	Violation of CUP
51.	Develop and adopt handling provisions for those designated wastes not included in the JTD.	WMAC/ALRRF	LEA, RWQCB	Annual Progress Report, Handling Procedures, Observation	Continuous	During Active Operations	Violation of CUP, WDR's
52.	ALRRF shall comply with 27 CCR, Section 20590 (formerly 14 CCR, Section 17670) which states that operating and maintenance personnel shall wear and use appropriate safety equipment as required by the EA. 27 CCR, Section 20610 (formerly 14 CCR, Section 17672) which stipulates that site operation and maintenance personnel be adequately trained in subjects pertinent to safety, health, environmental controls and emergency procedures.	WMAC/ALRRF	LEA	Observation	Continuous	LOP	Violation of CUP, SWFP
53.	Workers shall not be allowed to eat near the active landfill. Food and beverages shall only be consumed away from active landfill areas, or inside an enclosure such as an office building or mobile trailer.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violation of CUP
54.	All aspects of the ALRRF Health and Safety Program shall be applied to the Class II Expansion area. The Plan will be revised, as necessary.	WMAC/ALRRF	LEA	Annual Progress Report, Update Health & Safety Program Plan	Continuous	LOP	Violation of CUP

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CUP Condition No.	Summary Description of CUP Condition	Organization Responsible for:			Monitoring		Consequences of Non-Compliance
		Implementation	Verification	Verification Method	Frequency	Duration	
55.	All aspects of the ALRRF Emergency Management (EM) Program shall be applied to the Class II Expansion area.	WMAC/ALRRF	LEA, ACPD, Alameda County Fire Dept.	Annual Progress Report, Update EM Program Plan	Continuous	LOP	Violation of CUP
56.	Develop and maintain a low-flammability buffer zone or fire break around the perimeter of the working area to isolate the landfill from the surrounding grasslands.	WMAC/ALRRF	LEA, Alameda County Fire Dept.	Annual Progress Report, Observation	Prior to summer, Annual	LOP	Violation of CUP
57.	Vector and Bird Control Plan for Class II Expansion shall be approved by LEA.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violation of CUP
58, 59.	Adapt and apply the Hazardous Waste Exclusion Plan (HWEP)/Load-check Program. The Plan shall be approved by LEA prior to implementation in the Class II Expansion Area.	WMAC/ALRRF	LEA	Annual Progress Report, HWEP	Annual for HWEP; Continuous for Load-check Program	During Active Operations	Violation of CUP, SWFP, WDR's
TRAFFIC/CIRCULATION							
60. 61. 62. 63. 64. 65.	ALRRF shall work with Alameda County Waste Management Authority (WMA), Tri-Valley Alameda County Transportation Council (TACTC), City of Livermore, and County Public Works Dept. (PWD) to evaluate a proportional share of cost to mitigate cumulative roadway capacity and level of service impacts in the project study area.	WMAC/ALRRF	LEA, WMA, TACTC, City of Livermore, PWD	Observation	Continuous	During Active Operations	Violation of CUP
66.	No more than 50 total refuse truck trips per hour may arrive at ALRRF between (6:45 a.m. and 8:45 a.m.) and 10 total refuse trucks between 4:30 p.m. to 5:30 p.m.	WMAC/ALRRF	LEA	Observation, Records Review	Continuous	During Active Operations	Violation of CUP
67.	Average weight of wastes delivered by truck for disposal will not be less than 20 tons, exclusive of refuse trucks originating from the San Ramon Unit.	WMAC/ALRRF	LEA	Records Review	Monthly	During Active Operations	Violation of CUP
68.	Ensure that mud and other foreign material not tracked onto public roadways by vehicles using the facility. Notify Public Works for required clean-up.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violation of CUP

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		Implementation	Verification	Verification Method	Frequency	Duration	
69.	Transfer trucks travelling to and from the site shall be restricted to the state or interstate freeway systems. This condition provides specific exceptions.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violation of CUP
AIR QUALITY							
70.	Control fugitive dust per Bay Area Air Quality Management District (BAAQMD) regulations, as applicable to landfill operations.	WMAC/ALRRF	BAAQMD, LEA	Observation	Quarterly Weekly	During Active Operations	Violation of BAAQMD regulations and CUP
71.	Prepare and implement a construction and operation Dust Mitigation Program (DMP), in conjunction with the BAAQMD that would achieve a minimum dust control efficiency of approx. 75%. Specific components of the Plan are included in this condition.	WMAC/ALRRF	LEA, BAAQMD	Observation, DMP	Continuous	During Active Operations	Violation of BAAQMD regulations and CUP
	Keep all operating equipment well-tuned and regularly services to minimize exhaust emissions and establish a regular and frequent check-up and service/maintenance program.	WMAC/ALRRF	LEA	Annual Progress Report	Monthly	During Active Operations	Violation of CUP
73.	Compliance with BAAQMD Regulation 8, Rule 34 regarding control of Nox emissions from gas-powered turbines. Revise the Landfill Gas Management Plan (LFGMP) for Fill Area 1 to include the Class II Expansion area,	WMAC/ALRRF	LEA, BAAQMD	Annual Progress Report, LFGMP	Annual	LOP	Violation of BAAQMD regulations and CUP
74.	Use all reasonably collectable and deliverable landfill gas for the production of electricity in an electrical generating facility.	WMAC/ALRRF	LEA, BAAQMD	Records Review	Continuous	LOP	Violation of CUP
75.	Ensure optimal operation of the gas collection system with maintenance and monitoring as determined by the BAAQMD. The gas collections system shall be constructed and operated pursuant to BAAQMD permits. Implement BACT on applicable emission sources.	WMAC/ALRRF	LEA, BAAQMD	On-site inspections, Records Review	Quarterly	LOP	Violation of BAAQMD Permit and CUP

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		Implementation	Verification	Verification Method	Frequency	Duration	
76.	Verify the absence of landfill gas build up prior to any construction activity in all areas known to have potential for gas accumulation (areas within 1,000 ft. of landfill footprint). Monitor all on-site buildings for methane.	WMAC/ALRRF	LEA, BAAQMD	Observation, Records Review	Prior to Construction	LOP	Violation of CUP, SWFP
77.	All site personnel shall be trained in the purpose of the landfill gas monitoring system and proper response; document such training.	WMAC/ALRRF	LEA	Annual Progress Report	Annual	LOP	Violation of CUP
78.	Modify landfill gas monitoring and control systems during the post-closure maintenance period to reflect changing adjacent land uses per 27 CCR, Section 20921(d) (formerly 14 CCR, Section 17783(d))	WMAC/ALRRF	LEA, BAAQMD	Annual Progress Report	Annual	During post-closure period	Violation of CUP, SWFP
79.	Control odors per 27 CCR, Section 20760 and/or BAAQMD permit to ensure no major odor leaks to the atmosphere.	WMAC/ALRRF	LEA/ BAAQMD	Olfactory Observation	Continuous	LOP	Violations of CUP, SWFP, BAAQMD permit
80.	Cover excessively odorous wastes immediately.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violations of CUP.
NOISE							
81.	All internal combustion engines on equipment used at the site and for roadway construction shall be equipped with mufflers. All equipment shall be maintained in good mechanical condition so as to minimize noise from faulty engines, transmissions or other components.	WMAC/ALRRF	LEA	Observation	Continuous	During Active Operations	Violation of CUP
82.	Residences along Altamont Pass Road shall be retrofitted to reduce exterior noise levels to 45 dBA Ldn prior to filling operations in the Class II expansion area.	WMAC/ALRRF	LEA, ACPD	Observation	Annual, when request is made or complaint is filed	During Active Operations	Violation of CUP
83.	ACPD staff shall consider the potential noise exposure from landfill activities and require site and/or building design features to keep noise at acceptable levels.	WMAC/ALRRF	ACPD	Annual Progress Report	As Needed	During Active Operations	Violation of CUP

Note: Verification of compliance, which is implemented by the LEA through visual inspection and/or a review of ALRRF records, will be incorporated into the Annual Progress Report. This verification will be the inclusion of the LEA's routine (monthly) inspection reports.

SECTION 3.0
PROGRAM IMPLEMENTATION ACTIVITIES

3.0 PROGRAM IMPLEMENTATION ACTIVITIES

The following provides a description of ALRRF activities that will be implemented in order to comply with Conditions 7 through 83 of the CUP No. C-5512. The condition number, a brief description and the implementation activity are indicated below.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
LAND USE		
7.	Buffer zones shall be retained around perimeter of the landfill footprint as shown on Exhibit 1.	Review current topographic map and survey in field, as necessary, for verification of buffer zones around the perimeter of the landfill footprint in accordance with Exhibit I of the CUP.
8.	Apply to Livermore Area Recreation and Park District (LARPD) to modify its 1991 Regional Trail Plan to recognize the proposed Class II Landfill Expansion Project.	Meet with LARPD to determine changes to 1991 Regional Trail Plan (RTP) to reflect Expansion Area. Provide necessary information to modify the 1991 RTP.
9.	Initiate closure activities when final grades are achieved and submit a program for restoration of the project site to agricultural capability for review by US Dept. of Agriculture, Soil Conservation Service.	Prepare End Use Restoration Plan for submittal to the U.S. Department of Agriculture, Soil Conservation Service. Utilize landscape architect to develop restoration program to promote agricultural end-use.
10.	Provide reasonable funding for any study of the health and safety impacts of the ALRRF expansion on such development that the Alameda County Planning Department (ACPD) reasonable determines is necessary part of the Site Development Review (SDR).	Meet with ACPD to establish initial fund balance to conduct health and safety studies based on potential impacts of the landfill expansion and deemed necessary as part of the SDR.
VISUAL		
11.	Conform with final grades and contours, as depicted in Exhibit 1.	Review final grading plan to verify that filling is being conducted in accordance with grades and contours as depicted in Exhibit I of the CUP. Make necessary changes to achieve consistence with Exhibit 1 final grades and contours.
12.	Continue to monitor and respond to community complaints from neighbors along Dyer Road, rangers, and users of Bethany Reservoir State Recreation Area for dust, stray litter, pests and other aesthetic effects on sensitive viewpoints.	Monitor and respond to complaints related to dust, litter, pest and other aesthetic effects from the specified community neighbors. Document complaints and response activities.
12.	Transfer vehicles and direct-haul collection vehicles should be enclosed.	Post signage and notify existing and new haulers regarding enclosure (cover loads) of transfer and direct-haul collection vehicles entering the site.
12.	Minimize the distance between tippers and the tip area to minimize airborne litter.	Implement litter control procedures including, but not limited to, minimizing the distance between the tippers and tipping area.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
12.	Promptly compact refuse to reduce amounts of blowing litter.	Compact refuse promptly throughout the operating day as unloading occurs.
12.	Install litter-control fence downwind of the fill area to trap airborne refuse.	Install litter-control fencing downwind of the fill area. Maintain tall litter fence along downwind perimeter of fill areas.
13.	Soil stockpiles will be located within basins in existing topography, with heights not to exceed surrounding ridgelines.	Inspect stockpile areas on a routine basis. Place/construct soil stockpiles at low points. Maximum stockpile elevations will be set below surrounding ridgelines.
13.	Seed larger stockpiles and cut surfaces that are not active for an extended period (more than one season).	Implement seeding activities on open cut and fill areas where no fill and/or construction activities will take place for 180 days or longer.
HISTORIC/ ARCHAEOLOGICAL RESOURCES		
14.	Have qualified archaeologist complete recordation and investigation of known sites under requirements of the State Historic Preservation Officer (SHPO).	As landfill development continues, contract a qualified archaeologist to investigate known sites. Prepare recordation of investigation results in accordance with the SHPO.
OTHER COMMUNITY SERVICES		
15.	Preclude unauthorized entry by persons or vehicles into the Class II landfill expansion. The site security measures may include posting a 24-hour guard, maintaining fencing around site perimeter, remote alarm systems for on-site buildings and maintain security lighting.	Continue on-site security measures to prevent unauthorized entry by persons or vehicles onto the site. Expand security fencing as landfill development continues.
BIOLOGICAL RESOURCES		
16.	Set aside a total of 750 acres for biological habitat mitigation and buffer areas as depicted in Exhibit 1 (Land Dedication for Habitat Preserve).	Enter into a Conservation Agreement with the U.S. Fish and Wildlife Service (USFWS) and the Livermore Recreation Park District and/or the East Bay Regional Park District regarding the Habitat Preserve (Preserve).
16.	Establish a Trust Fund for the acquisition, operation and maintenance of the Preserve in an amount to be determined under agreement with the USFWS.	Met with USFWS to determine objectives of operation and maintenance of the Preserve. Establish a Trust Fund for the Preserve based on agreement with the USFWS.
17.	Implement a mitigation program based on the Biological Assessment (LSA, 1995) and measures identified in the FEIR, such as: Surveys, reporting results to California Dept. of Fish and Game (DFG), USFWS and County Planning Director, obtaining Section 7 or equivalent permit.	Prepare and implement a Biological Mitigation and Monitoring Program Plan.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
17.	Set aside in perpetuity, by recorded deed the 750 acres in Sections 15,16,17 and 21 as well as additional lands off-site for the remaining acreage needed.	Record deed for 750 acres as specified in condition.
18.	The MMRP shall be monitored annually for five years and meet California DFG and USFWS performance standards and success criteria.	Review MMRP implementation activities annually for the first five years after implementation to verify that California DFG and USFWS performance standards and requirements have been met.
19.	Conduct surveys at appropriate times of the year for various species, as specified in this condition.	Contract with biological firm to conduct special wildlife surveys for species identified in the EIR and known to occur in the vicinity of the expansion area as approved by the USFWS or DFG.
20.	Conduct pre-construction surveys at appropriate times of the year for various species, as specified in this condition.	Known species surveys will be conducted prior to construction of each new refuse cell within the expansion area. The surveys will be conducted seasonally based on species type, as approved by the USFWS or the DFG.
21.	Mitigation lands must be maintained on a long-term basis.	Develop and implement a long-term maintenance program for the mitigation lands. Contract with consultant to hand the long-term maintenance responsibility with approval by the USFWS, DFG and County.
22.	No unapproved chemicals shall be applied in areas used for mitigation habitat or in areas within one mile of known San Joaquin kit fox occurrences during construction or operational phases of the landfill. If rodent control is necessary, County-approved chemicals shall be used.	Implement rodent control program at the site including the feasibility of rodenticide or herbicide application. ALRRF will obtain approval of program from the ACPD.
23.	Soil stockpiles will be located in previously disturbed areas and attempt to minimize the area extent of the stockpiles.	Inspect stockpile areas on a routine basis.
24.	Vehicle traffic shall be restricted to established roads, and construction, storage and parking areas and not exceed 20 mph.	ALRRF will continue activities outlined in the current Traffic Control Program and make adjustments to plan as landfill is developed. Program will reflect internal road usage, parking and storage restriction as well as on-site speed limits. Onsite staff will be trained and appropriate signage posted.
25.	Train employees on Kit Fox recognition, biology, habitat requirements, legislative protection, and measures to reduce impacts to the species during project construction and operation.	Conduct "special wildlife species" training for site personnel specific to the Kit Fox. Training will include recognition and protection. ALRRF will develop measures to reduce impacts to species with use of a biologist.
26.	Submit a post-construction compliance report to USFWS within 45 days of completion of each major project component.	Prepare and submit a Post-Construction Compliance Report to the USFWS upon final closure of each area of the ALRRF.
27.	Closed landfill areas may be provided as part of the replacement mitigation habitat for the San Joaquin kit fox and various passerine species.	Review and determine possibility of utilized closed landfill (or parts thereof) for Kit Fox replacement habitat.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
WETLANDS		
28.	Implement a Wetlands Mitigation Plan based on the Conceptual Wetland Mitigation Plan, mitigation measures in the FEIR, and by permits issued by COE, USFWS, DFG, RWQCB and the County.	Finalize Conceptual Wetlands Mitigation Plan and implement.
29 and 30.	Monitoring of the replacement wetlands to assess meeting the performance standards of the Wetlands Mitigation Plan.	ALRRF will conduct monitoring of replacement wetlands in accordance with the Wetlands Mitigation Plan. Monitoring will be conducted for a minimum of 5 years from implementation or until performance standards are met.
31.	Maintenance and monitoring of the wetlands. Select a qualified private consultant to assume that responsibility, subject to approval by the COE and County.	Select and contract a biological consultant to conduct monitoring and maintenance of the wetlands areas. Evaluate existing data to determine if monitoring needs to be continued beyond 5 years.
32.	ALRRF shall avoid existing ponds in the Phase 1 landfill area until replacement wetlands have been established.	Evaluate replacement wetlands with special regard to the California tiger salamander. Existing ponds will not be disturbed until replacement wetlands have been established.
ALKALI SINK		
33, 34.	Implement a mitigation plan for the alkali sink wetlands based on the Conceptual Wetlands Mitigation Plan, mitigation measures in the FEIR and permits from COE, FWS, DFG, RWQCB and the County. Alkali sink wetlands will be monitored on a bi-annual basis pursuant to a monitoring plan approved by COE, DFG, FWS, and County.	Finalize Conceptual Wetlands Mitigation Plan and implement mitigation plan for the alkali sink wetlands.
35.	Any surface or groundwater delivered to the alkali sink shall be passed through detention basins to remove sediment. Untreated leachate delivered to the sink shall meet applicable water quality standards.	ALRRF will desilt waters used to establish/maintain the alkali sink wetlands. Any untreated leachate will be analyzed prior to delivery into the alkali sink.
36.	Fence the alkali wetlands area to keep livestock out.	Install fencing around the alkali sink wetlands area.
GEOLOGY/SOILS/SEISMIC		
37.	Design & construct landfill in accordance with 27 CCR (formerly Titles 14 and 23) requirements for final cover design, final surface grades and continuing monitoring and maintenance to reduce potential impacts due to settlement.	An updated JTD or amendments as related to the final landfill design requirements, including a final grading plan. ALRRF will maintain and revise as necessary permit documentation and plans to comply with 27 CCR.
38.	ALRRF shall conduct slope stability analyses for the design in accordance with 27 CCR (formerly Titles 14 and 23) and stability shall be verified for each landfill cell and excavation.	All engineering design plans for the site will be developed in consideration of seismic characterization. ALRRF will contract with a consultant to perform slope stability analyses as required under 27 CCR as applicable to the proposed design.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
39.	Proposed final topography included in the JTD (formerly known as a Report of Disposal Site Information), as part of a revised SWFP application.	Prepare updated final grading plan for inclusion in the JTD and submit to the appropriate regulatory agencies for review and approval.
40.	Establish and monitor permanent survey monuments on and in the immediate vicinity of the landfill to monitor landfill settlement or lateral displacement.	ALRRF will place survey and settlement monuments in accordance with 27 CCR. The monuments will be surveyed as required under 27 CCR.
41, 42 and 43.	Conduct an investigation of fill slopes, closed slopes, cut slopes and offsite slopes for instability after a significant rainfall of 6 inches. Provide recommendations to stabilize or minimize hazards of slope instability.	ALRRF will conduct inspections of all slope areas of the site routinely and after each significant rainfall of 6 inches or more. Based on the results of field investigations, ALRRF will recommend and implement activities to stabilize slope enhanced erosion control to promote stability.
44.	ALRRF shall design and construct the landfill in accordance with all federal and State requirements relative to seismic safety. Update the Earthquake Response Plan, as necessary.	ALRRF will prepare or update the Earthquake Response Plan.
HYDROLOGY/WATER QUALITY		
45.a.b.c.	Prepare and submit leachate monitoring plan, groundwater monitoring plan, and vadose monitoring plan to RWQCB prior to WDR issuance.	ALRRF will prepare and submit a Liquids Management Plan (LMP). The LMP will be submitted to the RWQCB prior to issuance of the WDR's for the expansion area.
45.d.	Implement appropriate corrective actions for leachate releases.	A Corrective Action Work Plan for the expansion area will be developed as required under 27 CCR. A financial mechanism to provide corrective action will be established for the expansion area.
45.e.	Submit a copy of the annual groundwater report to the Zoning Administrator.	The Annual Water Quality Groundwater Monitoring Reports, including monitoring results for the expansion area, will be submitted to the Zoning Administrator and the RWQCB.
46.	ALRRF shall be designed and constructed to control drainage and erosion in accordance with the WDR's including surface water run-on and run-off controls. The drainage and erosion plan shall be submitted to the Zoning Administrator with review by the Public Works Dept. (PWD). Begin construction within 10 days of receiving Zoning Administrator's approval.	The surface water drainage control system plans and erosion control procedures developed for the site will be submitted to the Zoning Administrator for review by Public Works Department.
47.	ALRRF will be designed to accommodate springs under the liner and minimize cover erosion.	An extensive hydrogeologic investigation has been completed to identify springs. The waste containment system design will be designed to accommodate any springs observed during excavation activities.
48.	The final grading and drainage design of the ALRRF will minimize cover erosion.	Site grading, surface water control features and erosion control procedures have been and will continue to be implemented to minimize erosion.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
PUBLIC HEALTH & SAFETY		
49.	Implement existing Special Waste Program (SWP) and update, as necessary, for new designated wastes.	Implement and update the SWP, including an identification process for new designated wastes and characterizing each customer waste stream.
50.	Refuse disposal vehicles at the ALRRF are subject to inspection and approval/rejection by the EA. Trucks carrying dusty material shall be covered during transport.	ALRRF will continue refuse vehicle inspection procedures for covered loads and non-acceptance of prohibited materials.
51.	Develop and adopt handling provisions for those designated wastes not fully described in the JTD.	Develop and implement special waste handling program in accordance with regulatory requirements.
52.	ALRRF shall comply with 27 CCR, Section 20590 (formerly 14 CCR, Section 17670) which states that operating and maintenance personnel shall wear and use appropriate safety equipment as required by the EA. 27 CCR, Section 20610 (formerly 14 CCR, Section 17672) which stipulates that site operation and maintenance personnel be adequately trained in subjects pertinent to safety, health, environmental controls and emergency procedures.	ALRRF will continue site personnel training in the areas of health and safety and environmental control systems management. All operations and maintenance site personnel will be provided with appropriate safety equipment.
53.	Workers shall not be allowed to eat near the active landfill. Food and beverages shall only be consumed away from active landfill areas, or inside an enclosure such as an office building or mobile trailer.	Employees will be restricted to designated areas for breaks and lunch and be informed of restrictions regarding eating near the active landfill.
54.	All aspects of the ALRRF Health and Safety Program shall be applied to the Class II Expansion area. The Plan will be revised, as necessary.	The ALRRF Health and Safety Program will be updated as necessary and implemented for operations in the expansion area.
55.	All aspects of the ALRRF Emergency Management (EM) Program shall be applied to the Class II Expansion area.	ALRRF will adapt the EM Program to the Class II expansion area.
56.	Develop and maintain a low-flammability buffer zone or fire break around the perimeter of the working area to isolate the landfill from the surrounding grasslands.	Conduct routine clearances of vegetation in the specified fire break areas. Expand fire breaks as site is developed and operations move into the expansion area.
57.	Vector and Bird Control Plan for Class II Expansion shall be approved by LEA.	Continue vector and bird control activities for the Class II expansion area. These activities will be outlined in a JTD prepared in support of disposal operations in the expansion area. The EA will review and approve the JTD.
58, 59.	Adapt and apply the Hazardous Waste Exclusion Plan (HWEP)/Load-check Program. The Plan shall be approved by LEA prior to implementation in the Class II Expansion Area.	Adapt the current HWEP/Load-check Program for the expansion area.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
TRAFFIC/CIRCULATION		
60. 61. 62. 63. 64. 65.	ALRRF shall work with Alameda County Waste Management Authority (ACWMA), Tri-Valley Alameda County Transportation Council (TACTC), City of Livermore, and County PWD to evaluate a proportional share of cost to mitigate cumulative roadway capacity and level of service impacts in the project study area.	In cooperation with the County PWD, ACWMA, TACTC and the City of Livermore, Waste Management shall provide funding for their proportional share of costs to implement mitigation of traffic and roadway impacts. The cumulative traffic impact mitigation fees proportionate to ALRRF will be provided per Order 0-88-77.
66.	No more than 50 total refuse truck trips per hour may arrive at ALRRF between (6:45 a.m. and 8:45 a.m.) and 10 total refuse trucks between 4:30 p.m. to 5:30 p.m.	ALRRF will routinely evaluate inflow rates between 6:45 and 8:45 am. The results of the traffic inflow evaluation will determine the need to work with customers to reduce traffic flow below 50 total refuse trucks between these hours of operations. Conduct a records review in relation to traffic count of refuse trucks during the peak a.m. and p.m. periods.
67.	Average weight of wastes delivered by truck for disposal will not be less than 20 tons, exclusive of refuse trucks originating from the San Ramon Unit.	ALRRF will routinely conduct a review of records in relation to the average weight of refuse trucks.
68.	Ensure that mud and other foreign material not tracked onto public roadways by vehicles using the facility. Notify Public Works for required clean-up.	Conduct visual observations and inspections for mud and other foreign material, which may be tracked onto public roads by vehicles using the landfill. Implement road cleaning activities as necessary and notify PWD of cleanup.
69.	Transfer trucks travelling to and from the site shall be restricted to the state or interstate freeway systems. This condition provides specific exceptions.	All customers delivering waste via transfer trucks will be notified of requirement to utilize only state and interstate freeways when traveling to the ALRRF.
AIR QUALITY		
70.	Control fugitive dust per Bay Area Air Quality Management District (BAAQMD) regulations, as applicable to landfill operations.	Continue dust control activities currently in-place at site and as operations move into the expansion area. Performance criteria for evaluating dust control procedures will be based on BAAQMD regulations.
71.	Prepare and implement a construction and operation Dust Mitigation Program (DMP), in conjunction with the BAAQMD, that would achieve a minimum dust control efficiency of approx. 75%. Specific components of the Plan are included in this condition.	Prepare and implement a construction and operation DMP in conjunction with the BAAQMD. Monitor effectiveness of DMP and adjust procedures as necessary to achieve 75% efficiency.
72.	Keep all operating equipment well-tuned and regularly services to minimize exhaust emissions and establish a regular and frequent check-up and service/maintenance program.	Continue maintenance programs for all on-site operating equipment to minimize exhaust emissions due to poor maintenance.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
73.	Compliance with BAAQMD Regulation 8, Rule 34 regarding control of NOx emissions from gas-powered turbines. Revise the Landfill Gas Management Plan (LFGMP) for Fill Area 1 to include the Class II Expansion area.	Adapt current LFGMP to include expansion area.
74.	Use all reasonably collectable and deliverable landfill gas for the production of electricity in an electrical generating facility.	ALRRF will routinely assess landfill gas data for effectiveness of the landfill gas-to-energy facility to maximize production from all available landfill gas.
75.	Ensure optimal operation of the gas collection system with maintenance and monitoring as determined by the BAAQMD. The gas collection system shall be constructed and operated pursuant to BAAQMD permits. Implement BACT on applicable emission sources.	Continue monitoring and maintenance of the landfill gas collection system pursuant to BAAQMD requirements. Continue surface emissions monitoring. Evaluate landfill gas data for effectiveness of the system and compliance with BAAQMD permits. ALRRF will implement BACT for applicable emission sources based on routine monitoring results.
76.	Verify the absence of landfill gas build up prior to any construction activity in all areas known to have potential for gas accumulation (areas within 1,000 ft. of landfill footprint). Monitor all on-site buildings for methane.	Continue landfill gas monitoring of areas within 1,000 feet of landfill footprint and all on-site structures for methane.
77.	All site personnel shall be trained in the purpose of the landfill gas monitoring system and proper response; document such training.	Continue training of site personnel to handle and respond to the landfill gas monitoring system and the methane alarms. Training will continue to be documented.
78.	Modify landfill gas monitoring and control systems during the post-closure maintenance period to reflect changing adjacent land uses per 27 CCR, Section 20921(d) (formerly 14 CCR, Section 17783(d))	The landfill gas monitoring and control systems will be modified, as necessary, during the post-closure maintenance period to accommodate changing on-site and adjacent land uses as required by 27 CCR and other application regulations.
79.	Control odors per 27 CCR, Section 20760 and/or BAAQMD permit to ensure no major odor leaks to the atmosphere.	Continue odor control activities in accordance with BAAQMD requirements and 27 CCR.
80.	Cover excessively odorous wastes immediately.	ALRRF will immediately cover excessively odorous wastes as observed during active operations.
NOISE		
81.	All internal combustion engines on equipment used at the site and for roadway construction shall be equipped with mufflers. All equipment shall be maintained in good mechanical condition so as to minimize noise from faulty engines, transmissions or other components.	ALRRF will continue to install and provide proper maintenance of mufflers on all motorized vehicles/equipment used at the site.
82.	Residences along Altamont Pass Road shall be retrofitted to reduce exterior noise levels to 45 dBA Ldn prior to filling operations in the Class II expansion area.	Prior to implementation of filling operations in the expansion area, ALRRF will evaluate the need to retrofit homes along Altamont Pass Road to reduce exterior noise levels to 45 dBA Ldn.

CUP Condition No.	Summary Description of CUP Condition	Program Implementation Activity
83.	ACPD staff shall consider the potential noise exposure from landfill activities and require site and/or building design features to keep noise at acceptable levels.	In concert with ACPD, ALRRF will develop and implement noise reducing features (including structural design and grading) features to minimize noise levels.

SECTION 4.0
ANNUAL PROGRESS REPORTING

4.0 ANNUAL PROGRESS REPORTING

Condition No. 84 of CUP C-5512 requires that an annual progress report will be prepared and submitted to the Alameda County Planning Department (ACPD) Director and the EA for concurrent review at the beginning of each calendar year. The operator shall respond to and report on the status of each condition of the CUP. Table 2 of the MMRP will provide the basis of the annual report and is also included in this document. Table 2 will be completed by the operator indicating the actions implemented at the ALRRF to comply with conditions of CUP C-5512.

The MMRP requires that the operator pay Alameda County full costs incurred for review, approval, administration, monitoring and inspection of all programs. The amount does not include routine costs of the EA program(s) mandated by other responsible agencies. The operator will deposit a minimum of \$10,000, which is to be maintained at that level, in trust, to the Treasurer of Alameda County for MMRP review and related monitoring costs.

The ACPD may use its employees, employees of the Planning Department, other agencies or private consultants, as needed to conduct such reviews, inspections and administration to ensure satisfactory implementation and enforcement of these measures and may include hiring additional personnel on a part-time or full-time basis. When required by the ACPD, the operator shall post additional cash deposit, as determined to be necessary, to cover estimated costs to satisfy this requirement.

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
LAND USE			
7	Buffer zones shall be retained around perimeter of the landfill footprint as shown on Exhibit 1.		DOC:
8	Apply to Livermore Area Recreation and Park District to modify its 1991 Regional Trail Plan to recognize the proposed Class II Landfill Expansion Project.		DOC:
9	Initiate closure activities when final grades are achieved and submit a program for restoration of the project site to agricultural capability for review by US Dept. of Agriculture, Soil Conservation Service.		DOC:
10	Provide reasonable funding for any study of the health and safety impacts of the ALRRF expansion on such development that the Alameda County Planning Department (ACPD) reasonable determines is necessary part of the Site Development Review (SDR).		DOC:
VISUAL			
11	Conform with final grades and contours, as depicted in Exhibit 1.		DOC:
12	Continue to monitor and respond to community complaints from neighbors along Dyer Road, rangers, and users of Bethany Reservoir State Recreation Area for dust, stray litter, pests and other aesthetic effects on sensitive viewpoints.		DOC:

DOC - Date of Compliance

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
12	Transfer vehicles and direct-haul collection vehicles should be enclosed.		DOC:
12	Minimize the distance between tippers and the tip area to minimize airborne litter.		DOC:
12	Promptly compact refuse to reduce amounts of blowing litter.		DOC:
12	Install litter-control fence downwind of the fill area to trap airborne refuse.		DOC:
13	Soil stockpiles will be located within basins in existing topography, with heights not to exceed surrounding ridgelines.		DOC:
13	Seed larger stockpiles and cut surfaces that are not active for an extended period (more than one season).		DOC:
HISTORIC/ARCHAEOLOGICAL RESOURCES			
14	Have qualified archaeologist complete recordation and investigation of known sites under requirements of the State Historic Preservation Officer.		DOC:
OTHER COMMUNITY SERVICES			
15	Preclude unauthorized entry by persons or vehicles into the Class II landfill expansion. The site security measures may include posting a 24-hour guard, maintaining fencing around site perimeter, remote alarm systems for on-site buildings and maintain security lighting.		DOC:

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
BIOLOGICAL RESOURCES			
16	Set aside a total of 750 acres for biological habitat mitigation and buffer areas as depicted in Exhibit 1 (Land Dedication for Habitat Preserve).		DOC:
16	Establish a Trust Fund for the acquisition, operation and maintenance of the "Preserve" in an amount to be determined under agreement with the USFWS.		DOC:
17	Implement a mitigation program based on the Biological Assessment (LSA, 1995) and measures identified in the FEIR, such as: Surveys, reporting results to California Dept. of Fish and Game (DFG), USFWS and County Planning Director, obtaining Section 7 or equivalent permit.		DOC:
17	Set aside in perpetuity, by recorded deed the 750 acres in Sections 15,16,17 and 21 as well as additional lands off-site for the remaining acreage needed.		DOC:
18	The MMRP shall be monitored annually for five years and meet California DFG and USFWS performance standards.		DOC:
19	Conduct surveys at appropriate times of the year for various species, as specified in this condition.		DOC:
20	Conduct pre-construction surveys at appropriate times of the year for various species, as specified in this condition.		DOC:

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
21	Mitigation lands must be maintained on a long-term basis.		DOC:
22	No unapproved chemicals shall be applied in areas used for mitigation habitat or in areas within one mile of known San Joaquin kit fox occurrences during construction or operational phases of the landfill. If rodent control is necessary, County-approved chemicals shall be used.		DOC:
23	Soil stockpiles will be located in previously disturbed areas and attempt to minimize the area extent of the stockpiles.		DOC:
BIOLOGICAL RESOURCES			
24	Vehicle traffic shall be restricted to established roads, and construction, storage and parking areas and not exceed 20 mph.		DOC:
25	Train employees on Kit fox recognition, biology, habitat requirements, legislative protection, and measures to reduce impacts to the species during project construction and operation.		DOC:
26	Submit a post-construction compliance report to USFWS within 45 days of completion of each major project component.		DOC:
27	Closed landfill areas may be provided as part of the replacement mitigation habitat for the San Joaquin kit fox and various passerine species.		DOC:

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
WETLANDS			
28	Implement a Wetlands Mitigation Plan based on the Conceptual Wetland Mitigation Plan, mitigation measures in the FEIR, and by permits issued by COE, USFWS, DFG, RWQCB and the County.		DOC:
29 and 30	Monitoring of the replacement wetlands to assess meeting the performance standards of the Wetlands Mitigation Plan.		DOC:
31	Maintenance and monitoring of the wetlands.		DOC:
32	ALRRF shall avoid existing ponds in the Phase 1 landfill area until replacement wetlands have been established.		DOC:
ALKALI SINK			
33 and 34	Implement a mitigation plan for the alkali sink wetlands based on the Conceptual Wetlands Mitigation Plan, mitigation measures in the FEIR and permits from COE, FWS, DFG, RWQCB and the County. Alkali sink wetlands will be monitored on a bi-annual basis pursuant to a monitoring plan approved by COE, DFG, FWS, and County.		DOC:
35	Any surface or groundwater delivered to the alkali sink shall be passed through detention basins to remove sediment. Untreated leachate delivered to the sink shall meet applicable water quality standards.		DOC:

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
36	Fence the alkali wetlands area to keep livestock out.		DOC:
GEOLOGY/SOILS/SEISMIC			
37	Design & construct landfill in accordance with CCR, Title 27 (formerly Titles 14 and 23) requirements for final cover design, final surface grades and continuing monitoring and maintenance to reduce potential impacts due to settlement.		DOC:
38	ALRRF shall conduct slope stability analyses for the design in accordance with CCR, Title 27 (formerly Titles 14 and 23) and stability shall be verified for each landfill cell and excavation.		DOC:
39	Proposed final topography included in the JTD (formerly known as a Report of Disposal Site Information), as part of a revised SWFP application.		DOC:
40	Establish and monitor permanent survey monuments on and in the immediate vicinity of the landfill to monitor landfill settlement or lateral displacement.		DOC:
41, 42 and 43	Conduct an investigation of fill slopes, closed slopes, cut slopes for instability after a significant rainfall of 6 inches. Provide recommendations to stabilize or minimize hazards of slope instability.		DOC:

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
GEOLOGY/SOILS/SEISMIC			
44	ALRRF shall design and construct the landfill in accordance with all federal and State requirements relative to seismic safety. Update the Earthquake Response Plan, as necessary.		DOC:
HYDROLOGY/WATER QUALITY			
45a, b. and c.	Prepare and submit leachate monitoring plan, groundwater monitoring plan, and vadose monitoring plan to RWQCB prior to WDR issuance.		DOC:
45d.	Implement appropriate corrective actions for leachate releases.		DOC:
45e.	Submit a copy of the annual groundwater report to the Zoning Administrator.		DOC:
HYDROLOGY/WATER QUALITY			
46	ALRRF shall be designed and constructed to control drainage and erosion in accordance with the WDR's including surface water run-on and run-off controls. The drainage and erosion plan shall be submitted to the Zoning Administrator with review by Public Works. Begin construction within 10 days of receiving Zoning Administrator's approval.		DOC:
47	ALRRF will be designed to accommodate springs under the liner and minimize cover erosion.		DOC:
48	The final grading and drainage design of the ALRRF will minimize cover erosion.		DOC:

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
CONDITIONAL USE PERMIT C-5512
ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
PUBLIC HEALTH & SAFETY			
49	Implement existing Special Waste Program (SWP) and update, as necessary, for new designated wastes.		DOC:
50	Refuse disposal vehicles at the ALRRF are subject to inspection and approval/rejection by the EA. Trucks carrying dusty material shall be covered during transport.		DOC:
51	Develop and adopt handling provisions for those designated wastes not included in the JTD.		DOC:
52	ALRRF shall comply with 27 CCR, Section 20590 (formerly 14 CCR, Section 17670) which states that operating and maintenance personnel shall wear and use appropriate safety equipment as required by the EA. 27 CCR, Section 20610 (formerly 14 CCR, Section 17672) which stipulates that site operation and maintenance personnel be adequately trained in subjects pertinent to safety, health, environmental controls and emergency procedures.		DOC:
53	Workers shall not be allowed to eat near the active landfill. Food and beverages shall only be consumed away from active landfill areas, or inside an enclosure such as an office building or mobile trailer.		DOC:

**TABLE 2
MITIGATION MONITORING AND REPORTING PROGRAM
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ANNUAL PROGRESS REPORT**

YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
PUBLIC HEALTH & SAFETY			
54	All aspects of the ALRRF Health and Safety Program shall be applied to the Class II Expansion area. The Plan will be revised, as necessary.		DOC:
55	All aspects of the ALRRF Emergency Management (EM) Program shall be applied to the Class II Expansion area.		DOC:
56	Develop and maintain a low-flammability buffer zone or fire break around the perimeter of the working area to isolate the landfill from the surrounding grasslands.		DOC:
57	Vector and Bird Control Plan for Class II Expansion shall be approved by LEA.		DOC:
58 and 59	Adapt and apply the Hazardous Waste Exclusion Plan (HWEP)/Load-check Program. The Plan shall be approved by LEA prior to implementation in the Class II Expansion Area.		DOC:
TRAFFIC/CIRCULATION			
60 - 65	ALRRF shall work with Alameda County Waste Management Authority (WMA), Tri-Valley Alameda County Transportation Council (TACTC), City of Livermore, and County Public Works Dept. (PWD) to evaluate a proportional share of cost to mitigate cumulative roadway capacity and level of service impacts in the project study area.		DOC:

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YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
TRAFFIC/CIRCULATION			
66	No more than 50 total refuse truck trips per hour may arrive at ALRRF between (6:45 a.m. and 8:45 a.m.) and 10 total refuse trucks between 4:30 p.m. to 5:30 p.m.		DOC:
67	Average weight of wastes delivered by truck for disposal will not be less than 20 tons, exclusive of refuse trucks originating from the San Ramon Unit.		DOC:
68	Ensure that mud and other foreign material not tracked onto public roadways by vehicles using the facility. Notify Public Works for required clean-up.		DOC:
69	Transfer trucks travelling to and from the site shall be restricted to the state or interstate freeway systems. This condition provides specific exceptions.		DOC:
AIR QUALITY			
70	Control fugitive dust per Bay Area Air Quality Management District (BAAQMD) regulations, as applicable to landfill operations.		DOC:
71	Prepare and implement a construction and operation Dust Mitigation Program (DMP), in conjunction with the BAAQMD that would achieve a minimum dust control efficiency of approx. 75%.. Specific components of the Plan are included in this condition.		DOC:

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YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
72	Keep all operating equipment well-tuned and regularly services to minimize exhaust emissions and establish a regular and frequent check-up and service/maintenance program.		DOC:
73	Compliance with BAAQMD Regulation 8, Rule 34 regarding control of Nox emissions from gas-powered turbines. Revise the Landfill Gas Management Plan (LFGMP) for Fill Area 1 to include the Class II Expansion area.		DOC:
74	Use all reasonably collectable and deliverable landfill gas for the production of electricity in an electrical generating facility.		DOC:
75	Ensure optimal operation of the gas collection system with maintenance and monitoring as determined by the BAAQMD. The gas collections system shall be constructed and operated pursuant to BAAQMD permits. Implement BACT on applicable emission sources.		DOC:
76	Verify the absence of landfill gas build up prior to any construction activity in all areas known to have potential for gas accumulation (areas within 1,000 ft. of landfill footprint). Monitor all on-site buildings for methane.		DOC:
77	All site personnel shall be trained in the purpose of the landfill gas monitoring system and proper response; document such training.		DOC:

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YEAR: _____

CUP Condition No.		Status of Condition Action	Verified By
78	Modify landfill gas monitoring and control systems during the post-closure maintenance period to reflect changing adjacent land uses per 27 CCR, Section 20921(d) (formerly 14 CCR, Section 17783(d)).		DOC:
79	Control odors per 27 CCR, Section 20760 and/or BAAQMD permit to ensure no major odor leaks to the atmosphere.		DOC:
80	Cover excessively odorous wastes immediately.		DOC:
NOISE			
81	All internal combustion engines on equipment used at the site and for roadway construction shall be equipped with mufflers. All equipment shall be maintained in good mechanical condition so as to minimize noise from faulty engines, transmissions or other components.		DOC:
82	Residences along Altamont Pass Road shall be retrofitted to reduce exterior noise levels to 45 dBA Ldn prior to filling operations in the Class II expansion area.		DOC:
83	ACPD staff shall consider the potential noise exposure from landfill activities and require site and/or building design features to keep noise at acceptable levels.		DOC:

SECTION 5.0

REFERENCES

5.0 REFERENCES

1. Public Resources Code, Title 14, Section 21081.6.
2. Conditional Use Permit No. C-5512, Altamont Landfill and Resource Recycling Facility, Class II Expansion Project, dated March 9, 2000.
3. January 2000, Revised Final Environmental Impact Report, Altamont Landfill Use Permit C-5512, Environmental Science Associates.
4. Conditional Use Permit No. C-5512, Altamont Landfill and Resource Recycling Facility, Class II Expansion, Environmental Impact Report, Volume I and II, dated September 29, 1995.