

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

932



**FROM:** Waste Management Department

**SUBMITTAL DATE:**  
November 30, 2012

**SUBJECT:** Third Amendment to the Second El Sobrante Landfill Agreement

**RECOMMENDED MOTIONS:** That the Board of Supervisors:

1. Consider the Addendum to the Final Environmental Impact Report (EIR) for the El Sobrante Landfill; and
2. Adopt the revised Mitigation Monitoring Program (MMP) for the El Sobrante Landfill; and
3. Approve and authorize Chairman to sign the Third Amendment to the Second El Sobrante Landfill Agreement

**BACKGROUND:** The El Sobrante Landfill is an existing Class III, non-hazardous municipal solid waste (MSW) landfill located at 10910 Dawson Canyon Road, easterly of Interstate 15 and Temescal Canyon Road, in the Temescal Canyon area of unincorporated Riverside County. The landfill has been in operation since 1986 and represents a public/private partnership between the Riverside County Waste Management Department (Department) and USA Waste of California, Inc. (USA Waste), a subsidiary of Waste Management, Inc. (WMI). USA Waste is the owner/operator of the landfill, while the Department operates the scale house and implements a load check program. (Continued)

  
Hans W. Kernkamp, General Manager-Chief Engineer


<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ N/A	In Current Year Budget:	N/A
	Current F.Y. Net County Cost:	\$ N/A	Budget Adjustment:	N/A
	Annual Net County Cost:	\$ N/A	For Fiscal Year:	N/A

<b>SOURCE OF FUNDS:</b> N/A	<b>Positions To Be Deleted Per A-30</b>	<input type="checkbox"/>
	<b>Requires 4/5 Vote</b>	<input type="checkbox"/>

**C.E.O. RECOMMENDATION:**

**APPROVE**  
**APPROVE** BY:   
**Alex Gann**

**County Executive Office Signature**

FORM APPROVED COUNTY COUNSEL  
BY:  12/1/12  
DATE  
MICHELLE CLACK  
Departmental Concurrence

Consent     Policy  
 Consent     Policy

Dept't Recomm.:  
 Per Exec. Ofc.:

**Prev. Agn. Ref.:** 10.1 (9/1/98); 12.2 (7/1/03); 12.1 (3/13/07); 12.2 (10/30/07)

**District:** 1/1

**Agenda Number:**

**12.2**

ATTACHMENTS FILED  
WITH THE CLERK OF THE BOARD

The landfill is open continuously from 4:00 a.m. on Monday to 6:00 p.m. on Saturday, with disposal operations permitted to occur 24 hours per day, 7 days per week. While the El Sobrante Landfill is permitted to operate 24 hours per day, excavation and liner construction activities in new landfill cells are limited to the hours of 8:00 a.m. to 5:00 p.m., Monday through Saturday, pursuant to Noise Mitigation Measure N-1 of the El Sobrante Landfill MMP. Excavation and liner construction activities in new landfill cells involve the use of a conveyor belt system for movement of soil and the use of heavy diesel equipment (e.g., bull dozers, scrapers, grading equipment).

**PROJECT DESCRIPTION:** In order to increase operational efficiencies at an existing 24 hour operation, the Third Amendment to the Second El Sobrante Landfill Agreement (Third Amendment) modifies the hours allowed for existing and future excavation and liner construction activities in new landfill cells from 8:00 a.m. to 5:00 p.m., Monday through Saturday, to 7:00 a.m. to 10:00 p.m., Monday through Saturday, with the following restrictions (based on recommendations in the attached Noise Assessment, dated February 9, 2012):

- The conveyor belt system shall not be located less than 295 feet from occupied residences; and
- Excavation and liner construction of new cells within 10 feet of the top of slope will be limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Saturday.

Noise Mitigation Measure N-1 of the El Sobrante Landfill MMP will be revised to reflect the proposed changes, with restrictions, to allowable hours for existing and future excavation and liner construction activities in new landfill cells. The Third Amendment also revises definitions to clean up administrative inconsistencies with the Second Agreement and subsequent CEQA documents.

The Third Amendment was presented to the El Sobrante Landfill Citizens Oversight Committee (COC) on November 26, 2012. The COC had no comments.

**ENVIRONMENTAL ANALYSIS:** Based on the Draft EIR (1994) and the Final EIR (certified September 1, 1998) for the El Sobrante Landfill Expansion Project, the noise effects associated with excavation and liner construction activities were assessed using the noise criteria of 65 dBA established in the Noise Element of the former Riverside County Comprehensive General Plan and were found to be less than significant when limited to the hours of 7:00 a.m. to 10:00 p.m., Monday through Saturday. The mitigation measure reducing these hours to 8:00 a.m. to 5:00 p.m. was added during the public hearing process on the El Sobrante Landfill Expansion Project from 1996 to 1998.

In 2006, Riverside County adopted Ordinance No. 847, the County's Noise Ordinance, which established countywide standards regulating noise. Although the El Sobrante Landfill is exempt from Ordinance No. 847 pursuant to Section 2.a. and Section 2.h. because it is a Public Facility and construction activities will occur more than ¼ of a mile from inhabited dwellings, a noise assessment (dated February 9, 2012) was prepared by Mestre Greve Associates (a Division of Landrum & Brown) to determine if the landfill's existing and future cell excavation and construction activities can comply with the maximum noise levels (i.e., 55 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m. and 45 dBA during the nighttime hours of 10 p.m. to 7 a.m.) established pursuant to Section 4 of Ordinance No. 847 for non-exempt projects in the vicinity of occupied residences.

The noise assessment concluded that the current hours and days allowed for excavation and cell construction activities (i.e., 8:00 a.m. to 5:00 p.m., Monday through Saturday) could be extended in compliance with noise levels and other provisions established pursuant to the Ordinance No. 847 without creating significant impacts on the nearest residential community along Dawson Canyon Road.

By complying with Ordinance No. 847, the proposed project will not exceed the CEQA thresholds for determining significant noise impacts established in the Noise Element of the County's General Plan. Based on the substantial evidence provided in the Noise Assessment, the proposed changes will not result in new significant environmental effects or in a substantial increase in the severity of significant effects previously identified in the certified EIR for the El Sobrante Expansion project, including the SEIR; therefore, a subsequent EIR, as described in §15162 of the *CEQA Guidelines*, is not required, and an Addendum to the EIR (copy attached) was prepared pursuant to §15164 of the *CEQA Guidelines*.

**Consistency with Riverside County General Plan, Zoning, and Other Applicable Environmental Plans or Policies**

The El Sobrante Landfill is partially within both the Lake Mathews/Woodcrest and Temescal Canyon Area Plans, which designate the El Sobrante Landfill site as Public Facility (PF) and Open Space-Conservation Habitat (OS-CH) land uses. The PF land use designation policies specifically allow landfill operations and protect landfills from encroachment of incompatible land uses.

The majority of the site is zoned Residential Agricultural-10 acre minimum (R-A-10), along with small portions zoned Rural Residential (R-R) and Light Agriculture - one acre minimum (A-1-1). However, as a "public project" under the provisions of Section 18.2.a.b.(1) of the Riverside County Land Use Ordinance No. 348, the proposed project is not subject to zoning requirements.

Other environmental plans or policies that apply to the El Sobrante Landfill and proposed project include the El Sobrante Multiple Species Habitat Conservation Plan (MSHCP) and the Riverside Countywide Integrated Waste Management Plan (CIWMP). In July 2001, USA Waste prepared a MSHCP for the El Sobrante Landfill. Preparation of the El Sobrante MSHCP was required pursuant to mitigation measures imposed on the landfill as part of the Expansion EIR. The MSHCP permits certain activities to occur on-site, including all waste management activities associated with landfill operations, and the implementation of certain El Sobrante MSHCP conservation measures. The proposed project will not impede any conservation measures established within the MSCHP. As such, the proposed project is consistent with the MSHCP.

The El Sobrante Landfill is consistent with the goals and policies of the CIWMP. The goals of the Siting Element of the CIWMP address the need for providing long-term disposal capacity and economically and environmentally safe operation of the landfill system.

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THIRD AMENDMENT TO  
SECOND EL SOBRANTE LANDFILL AGREEMENT  
A PUBLIC-PRIVATE PROJECT  
between  
COUNTY OF RIVERSIDE  
and  
USA WASTE OF CALIFORNIA, INC.

This Third Amendment to the Second El Sobrante Landfill Agreement (hereinafter "Third Amendment") is entered into by and between the COUNTY OF RIVERSIDE, CALIFORNIA (hereinafter called "COUNTY") and USA WASTE OF CALIFORNIA, INC., a Delaware corporation (hereinafter called "USA WASTE") and at times collectively referred to as "Parties."

RECITALS

- A. WHEREAS, the COUNTY and USA WASTE entered into that certain Second El Sobrante Landfill Agreement dated September 1, 1998, (hereinafter called "Second Agreement"); and,
- B. WHEREAS, the Second Agreement was amended in accordance with the First Amendment to the Second Agreement dated June 20, 2003, and subsequently amended in accordance with the Second Amendment to the Second Agreement dated March 13, 2007; and,
- C. WHEREAS, the development of the El Sobrante Landfill has proceeded in accordance with the Second Agreement, as amended, and is currently operating; and,
- D. WHEREAS, COUNTY and USA WASTE desire to provide additional hours for existing and future excavation and liner construction activities.

1           **NOW, THEREFORE**, in consideration of the matters recited above and of the mutual  
2 covenants hereinafter contained and for other good and valuable consideration, the receipt and  
3 sufficiency of which is hereby acknowledged, the Parties agree as follows:

4           1.       Section 1.1.10 of the Second Agreement is hereby amended in its entirety and  
5 replaced with the following:

6                   "1.1.10. "Environmental Impact Report" and "EIR" mean the Environmental  
7 Impact Report, State Clearinghouse No. 90020076 re: El Sobrante Landfill  
8 Expansion certified by the Board on August 18, 1998, and consisting, in its  
9 entirety, of the Draft Environmental Impact Report dated April 1994, the Final  
10 Environmental Impact Report dated April 1996, the Update to the Final EIR dated  
11 July 1998, as well as any subsequent CEQA documents prepared to update or  
12 amend the "EIR", including but not limited to, Notices of Exemption, Addendum,  
13 and Supplemental or Subsequent EIRs."

14           2.       The following is added to Section 11.10 of the Second Agreement:

15                   "(d) Existing and future excavation and liner construction activities in new landfill  
16 cells shall be allowed to occur from 7:00 a.m. to 10:00 p.m. Monday through  
17 Saturday, with the following restrictions:

18                           (i) the conveyor belt system shall not be located less than 295 feet from  
19 residences; and

20                           (ii) excavation and liner construction of new landfill cells within ten (10)  
21 feet of the top of slopes will be limited to the hours of 7:00 a.m. to 6:00  
22 p.m. Monday through Saturday."

23           3.       The following is added to Section 2 of Exhibit "F" of the Second Agreement: "The  
24 MMP includes any changes adopted as part of a revision to the EIR."  
25

1 4. The following is added to section 2.7 of the Second Agreement:

2 "2.7.1. Third Amendment Costs. USA WASTE shall within thirty (30) days of  
3 receiving an invoice from COUNTY, deposit with COUNTY monies sufficient to  
4 cover all costs that COUNTY incurred in acting as the CEQA Lead Agency for  
5 the Third Amendment, including but not limited to, consultant fees, legal fees,  
6 and other direct and indirect costs."

7 5. COUNTY and USA WASTE acknowledge and agree that the provisions of  
8 Section 16.2 of the Second Agreement entitled "Third Party Litigation Concerning  
9 Agreement" also apply with respect to any claim, action or proceeding to attack,  
10 set aside, void or annul the approval of this Third Amendment or the associated  
11 addendum to the EIR.

12 6. Release and Hold Harmless. The Parties agree to release and hold each other  
13 harmless with respect to any subject matters related to this Third Amendment  
14 including, but not limited to, the associated environmental studies and documents  
15 and to amend the respective release provisions found in subsections (a) and (c)  
16 of section 12 in the Second Amendment by adding the following:

17 (a) In consideration for the release granted by USA WASTE, COUNTY  
18 hereby releases, discharges and holds USA WASTE harmless from any  
19 and all claims, liabilities, demands and causes of action, known or  
20 unknown, likely or unlikely, which it may have or claim to have against  
21 USA WASTE related to the subject matter of this Third Amendment  
22 including, but not limited to, the associated environmental studies and  
23 documents.

24 (c) In consideration for the release granted by COUNTY, USA WASTE  
25 hereby releases, discharges and holds COUNTY harmless from any and  
all claims, liabilities, demands and causes of action, known or unknown,

1                   likely or unlikely, which it may have or claim to have against COUNTY  
2                   related to subject matter of this Third Amendment and associated  
3                   environmental studies and documents.

4                   7.    Any action at law or in equity brought by a party hereto for the purpose of  
5                   enforcing, construing or determining the validity of any provision of this Third  
6                   Amendment shall be filed in the Courts of Riverside County, State of California,

7                   8.    The persons executing this Third Amendment hereby warrant and represent that  
8                   they have the authority to execute this Third Amendment and have the authority  
9                   to bind the respective Parties to this Third Amendment.

10                  9.    Except to the extent modified by this Third Amendment, all other terms and  
11                  conditions of the Second Agreement, First Amendment and Second Amendment  
12                  remain in full force and effect as originally written.

13                  10.   The effective date of this Third Amendment is the date the Parties sign the Third  
14                  Amendment. If the Parties sign the Third Amendment on more than one date,  
15                  then the last date the Third Amendment is signed by a party shall be the effective  
16                  date.

17                  11.   This Third Amendment may be signed in counterparts, with all such counterparts  
18                  taken together constituting a single original.

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1 **IN WITNESS WHEREOF**, the Parties hereto have executed this Third Amendment on the day  
2 and year set forth below.

3  
4 COUNTY OF RIVERSIDE

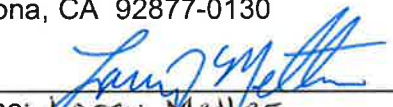
USA WASTE OF CALIFORNIA, INC.

10910 Dawson Canyon Road

P.O. Box 77908

Corona, CA 92877-0130

8 By: \_\_\_\_\_  
John Tavaglione  
9 Chairman, Board of Supervisors

By:   
Name: Larry Metter  
Title: President - Southern California Area

10 Date: \_\_\_\_\_

Date: 11/9/12

11 RECOMMENDED FOR APPROVAL

12  
13 By:   
Name: Hans Kernkamp  
14 Title: General Manager-Chief Engineer

15 Date: 11/2/12

16 ATTEST:

17  
18 By: \_\_\_\_\_  
19 Clerk of the Board

20  
21 APPROVED AS TO FORM  
PAMELA J. WALLS  
22 COUNTY COUNSEL

23 By:   
24 Michelle P. Clack, Deputy



# Addendum to the Final EIR

**ADDENDUM  
TO  
EL SOBRANTE LANDFILL EXPANSION PROJECT  
ENVIRONMENTAL IMPACT REPORT (EIR)**

**(Comprised of April 1994 Draft EIR, April 1996 Final EIR, July 1998 Update to Final EIR),  
INCLUDING SUPPLEMENTAL EIR (SEIR)**

**SUBJECT:** Addendum to El Sobrante Landfill Expansion Project EIR (State Clearinghouse [SCH] No. 1990020076), including SEIR (SCH No. 2007081054)

**PROJECT:** Third Amendment to the Second El Sobrante Landfill Agreement to Change Hours for Existing and Future Excavation and Liner Construction Activities in New Landfill Cells

**PROJECT SPONSOR:** USA Waste of California (Subsidiary of Waste Management Inc.), Owner/Operator of El Sobrante Landfill

**PROJECT LOCATION:** El Sobrante Landfill, 10910 Dawson Canyon Road, located easterly of Interstate 15 and Temescal Canyon Road, approximately 7 miles southeast of City of Corona in Temescal Canyon area of unincorporated Riverside County, California

**PROJECT DESCRIPTION:** The project is a proposal to amend the Second El Sobrante Landfill Agreement to revise the hours allowed for existing and future excavation and liner construction activities in new landfill cells from 8:00 a.m. to 5:00 p.m., Monday through Saturday, to 7:00 a.m. to 10:00 p.m., Monday through Saturday, with the following restrictions: a) the conveyor belt system shall not be located less than 295 feet from occupied residences; and b) excavation and liner construction of new cells within 10 feet of the top of slope will be limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Saturday.

**PURPOSE:** This Addendum to the El Sobrante Expansion Project EIR, including the SEIR, is being prepared pursuant to §15164 of the *California Environmental Quality Act (CEQA) Guidelines*, which allows for the lead agency to "prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in §15162 calling for preparation of a subsequent EIR have occurred." The Riverside County Waste Management Department on behalf of Riverside County, as lead agency, has evaluated the proposed project and the previously certified EIR, including the SEIR, and determined that a subsequent EIR is not required, because the project as described is not a substantial change requiring major revisions of the previous EIR, and will not result in new significant environmental effects or in a substantial increase in the severity of previously identified significant effects. There have also not been any substantial changes with respect to the circumstances under which this project and the EIR, including the SEIR, for the expansion project were undertaken, nor has there been any new information discovered of substantial importance that would affect the proposed project.

## BACKGROUND:

1. The El Sobrante Landfill is an existing municipal solid waste landfill, which started disposal operations in 1986.
2. Land uses surrounding the El Sobrante Landfill include vacant land to the north, west and east, mining, industrial, and commercial operations to the west and southwest, and rural residential land uses to the south.
3. On September 1, 1998, the Riverside County Board of Supervisors (BOS) took the following actions with respect to the vertical and lateral expansion of the El Sobrante Landfill:
  - Adopted Resolution No. 98-275, certifying the EIR (SCH No. 1990020076), consisting of the Draft EIR (dated April 1994), the Final EIR (dated April 1996), and the Update to the Final EIR (dated July 1998).
  - Adopted Resolution No. 98-276, approving the El Sobrante Landfill Expansion Project and the Second El Sobrante Landfill Agreement, adopting Conditions of Approval and a Mitigation Monitoring Program (MMP) and making Findings of Fact.
    - Entered into the Second El Sobrante Landfill Agreement (Second Agreement) with USA Waste.
4. The First Amendment to the Second Agreement was approved by the BOS on July 1, 2003, which allowed WMI to install electrical generating equipment to convert landfill gas and to grind green waste onsite.
5. The Second Amendment to the Second Agreement, allowing for USA Waste to seek regulatory approvals for proposed operational changes, setting disposal rates, along with other provisions, was approved by the BOS on March 13, 2007.
6. On March 31, 2009, the BOS adopted Resolution No. 2009-093, certifying a Supplemental EIR (SCH No. 2007081054), and approving the corresponding MMP, that allowed for operational changes to the El Sobrante Landfill Expansion Project.
7. Pursuant to the landfill's Solid Waste Facility Permit (SWFP 33-AA-0217 issued September 9, 2009), the El Sobrante Landfill Expansion Project, for which the EIR and SEIR were certified, is comprised of the following major components:
  - An increase in landfill capacity to approximately 209.91 cubic million yards.
  - An increase in disposal capacity to 70,000 tons per week, not exceeding 16,054 tons per day of municipal solid waste.
  - An increase in the hours and days of operation to 24-hour continuous operations, 7 days a week.
8. Community noise levels are measured in terms of the "A-weighted decibel (loudness of sound)" or dBA.

9. Based on the Draft EIR (1994) and the Final EIR (1996) for the Expansion Project, the noise effects associated with excavation and liner construction activities were assessed using the noise criteria of 65 dBA established in the Noise Element of the former Riverside County Comprehensive General Plan and were found to be less than significant when limited to the hours of 7 a.m. to 10 p.m., Monday through Saturday. The mitigation measure reducing these hours to 8 a.m. to 5 p.m. was added by the Planning Commission during the public hearing process on the Expansion Project from 1996 to 1998.
10. In October 2003, the BOS adopted the Riverside County General Plan, one part of the Riverside County Integrated Project (RCIP). The Noise Element is a mandatory component of the General Plan, establishing countywide policies, standards, criteria, guidelines, and planning tools to assess the effects of noise on public health and welfare, especially on noise-sensitive receptors or land uses (i.e., residences), and to determine compatibility between adjacent land uses with respect to noise.
11. In 2006, Riverside County adopted Ordinance No. 847, the County's Noise Ordinance. This ordinance established countywide standards regulating noise.

#### **FINDINGS ON PROJECT:**

1. While the El Sobrante Landfill operates 24 hours per day from 4 a.m. on Monday through 6 p.m. on Saturday, excavation and liner construction activities in new landfill cells are limited to the hours of 8:00 a.m. to 5:00 p.m., Monday through Saturday, pursuant to Noise Mitigation Measure N-1 of the El Sobrante Landfill MMP.
2. Excavation and liner construction activities in new landfill cells currently involve the use of a conveyor belt system for movement of soil and the use of heavy diesel equipment (e.g., bull dozers, scrapers, grading equipment).
3. The project is a proposal to amend the Second Agreement to change the hours allowed for excavation and liner construction activities in new landfill cells as follows:  
  
*Excavation and liner construction of new landfill cells shall be limited to the hours of 7:00 a.m. to 10:00 p.m., Monday through Saturday, with the following restrictions: a) the conveyor belt system shall not be located less than 295 feet from occupied residences; and b) excavation and liner construction of new cells within 10 feet of the top of slope shall be limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Saturday.*
4. Mitigation Measure N-1 of the El Sobrante Landfill MMP will be revised to reflect the hours (including conditions) for excavation and liner construction activities as stated in #3 above.
5. While it is not intended that new cell excavation and construction activities will operate continuously within the proposed time frames, the proposed time frames provide greater flexibility to the landfill operator and its contractors in scheduling equipment and personnel, offer economic incentives and savings, and take advantage of daylight hours during daylight savings time.
6. According to Section 2.a. of Ordinance No. 847, "[F]acilities owned or operated by or for a governmental agency" are "exempt from the provisions of this ordinance.." The El

Sobrante Landfill is a public project and has a land use designation of "Public Facility (PF)" under the Riverside County General Plan.

7. Section 2(h) of Ordinance No. 847 exempts "p[P]rivate construction projects located one-quarter (1/4) of a mile or more from an inhabited dwelling." The planned landfill phase limits where construction activities will occur are slightly more than ¼ of a mile from inhabited dwellings.
8. While excavation and cell construction in new landfill cells is not planned outside existing and future phase limits, which are more than ¼ mile from inhabited dwellings, the boundary of the property owned by the landfill operators does extend within ¼ mile of inhabited dwellings. Section 2(i) of Ordinance No. 847 exempts construction for projects within ¼ mile of an inhabited dwelling when the following is met:
  - Construction does not occur between the hours of 6 p.m. and 6 a.m. during the months of June through September.
  - Construction does not occur between the hours of 6 p.m. and 7 a.m. during the months of October through May.
9. Noise Element Policy 4.1 prohibits facility-related noise received by any sensitive use (i.e., residences) from exceeding the worst-case noise levels of 45 dBA during nighttime hours (10 p.m. to 7 a.m.) and 65 dBA during daytime hours (7 a.m. and 10 p.m.), and Policy 3.5 requires that an acoustical analysis be prepared for all projects that are noise-producing. Accordingly, a noise assessment (see attached *Noise Assessment for the El Sobrante Landfill*, dated February 9, 2012, and *Addendum*, dated April 18, 2012) was prepared by Mestre Greve Associates (a Division of Landrum & Brown) to determine if the landfill's existing and future cell excavation and construction activities can comply with both the worst-case noise levels established in the Noise Element and with the more restrictive and maximum exterior noise levels (i.e., 55 dBA during the daytime hours of 7 a.m. to 10 p.m. and 45 dBA during the nighttime hours of 10 p.m. to 7 a.m.) established pursuant to Section 4 of Ordinance No. 847 for non-exempt projects in the vicinity of occupied residences.
10. Ambient noise measurements for existing, short-term cell excavation and construction activities were measured at six residential sites along Dawson Canyon Road while construction was underway in Phase 11A of the landfill and, for Site 3, which has direct line-of-sight, and for Sites 4, 5, and 6, while the conveyor was in operation. These noise measurements were based on source noise measurements taken on the landfill site; for the conveyor belt system, the source noise measurement was taken at 75 feet away, and for construction in Phase 11A where two, heavy-duty diesel dozers were in operation, the source noise measurements were taken at 225 feet. In all cases, landfill operations had no effect on overall noise levels, and noise from construction activities were less than the maximum nighttime noise level of 45 dBA. This is consistent with Noise Element Policy 4.1 and based on Ordinance No. 847, there would be no restriction on the hours for these existing activity levels.
11. Utilizing these current noise measurements, noise levels were then projected to determine the worst-case scenario for future cell excavation and construction activities. There are no plans to move the conveyor from its current location along the south edge of Phase 10, but, for worst-case, it was assumed that it would be moved into locations less than ¼ mile from occupied residences. To calculate potential, future cell excavation

and construction noise levels in Phase 11A (current construction area) and in Phase 15 (worst case area), it was assumed that 10 pieces of heavy equipment would be operating, instead of two.

12. Under the worst-case scenario, the attached noise assessment found that, if the conveyor was relocated to within 933 feet of occupied residents, it could be operated up to 24 hours a day and not exceed the maximum nighttime criteria of 45 dBA. If a future conveyor were to be placed within 295 feet to 933 feet of occupied residences, it could be operated during the hours of 7 a.m. to 10 p.m. to comply with the daytime maximum noise level of 55 dBA established pursuant to Ordinance No. 847.
13. Under the worst-case scenario of using 10 pieces of heavy equipment in Phase 11A and Phase 15, the attached noise assessment found that, in all cases, except within 10 feet of top of slope, cell excavation and construction activities could be conducted during the hours of 7 a.m. to 10 p.m. to be consistent with Noise Element Policy 4.1 and comply with the daytime maximum noise level of 55 dBA established pursuant to the Ordinance No. 847.
14. While the maximum daytime noise level of 55 dBA is exceeded when cell excavation and construction activities occur within 10 feet of the top of slope at three of the four sites potentially impacted by noise from these activities, the ambient L<sub>max</sub> noise levels at these three sites are the same with and without these activities, which range from 67.2 to 69.0 dBA. In this case, it is proposed to restrict these activities to the strictest standard for private construction projects within ¼ mile of occupied residences, even though these activities, whether public or private, are located more than ¼ mile from occupied residences and, therefore, exempt under the ordinance; namely, excavation and liner construction of new cells within 10 feet of the top of slope will be limited to the hours of 7:00 a.m. to 6:00 p.m.
15. While Noise Ordinance No. 847 does not preclude construction activities from occurring on Sundays, cell excavation and construction activities will be further limited to Monday through Saturday.
16. The proposed Project will not result in noise levels that exceed the maximum exterior noise levels (i.e., 55 dBA during the daytime hours of 7 a.m. to 10 p.m. and 45 dBA during the nighttime hours of 10 p.m. to 7 a.m.) established pursuant to Section 4 of Ordinance No. 847 for non-exempt projects in the vicinity of occupied residences. By complying with Ordinance No. 847, the proposed project will not exceed the thresholds for determining significant noise impacts established in the Noise Element of the County's General Plan.
17. The proposed Project will not result in new significant environmental effects or in a substantial increase in the severity of significant effects previously identified in the certified EIR for the El Sobrante Expansion Project, including the SEIR, and, therefore a subsequent EIR, as described in §15162 of the *CEQA Guidelines*, is not required, and an Addendum to the EIR, including the SEIR, can be prepared pursuant to §15164 of the *CEQA Guidelines*.

If there are any questions regarding the above matter, please contact Ryan Ross at the Riverside County Waste Management Department at (951) 486-3200.

**Hans Kernkamp, General Manager – Chief Engineer  
Riverside County Waste Management Department**

By:   
\_\_\_\_\_

Ryan Ross

Title: Principal Planner

Date: 12-18-12

# Noise Assessment



Noise Assessment  
For The  
**EL SOBRANTE LANDFILL**  
COUNTY OF RIVERSIDE

Prepared For:

**Waste Management**

10910 Dawson Canyon Road  
Corona, CA 92883

Submitted By:

**Mestre Greve Associates**  
**Division of Landrum & Brown**

Fred Greve P.E.  
27812 El Lazo Road  
Laguna Niguel, CA 92677  
949•349•0671

February 9, 2012  
Supplement Added April 18, 2012

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## **1.0 EXISTING SETTING**

### **1.1 Project Description**

The El Sobrante Landfill is an existing municipal solid waste landfill, located at 10910 Dawson Canyon Road, easterly of Interstate 15 and Temescal Canyon Road, approximately seven (7) miles southeast of the City of Corona in the Temescal Canyon area of unincorporated Riverside County. While the landfill is currently open continuously from 4:00 a.m. on Monday to 6:00 p.m. on Saturday, disposal operations are permitted to occur 24 hours per day, 7 days per week. However, excavation and liner construction activities are limited to 8:00 a.m. to 5:00 p.m. Monday through Saturday, pursuant to Noise Mitigation Measure N-1 in the El Sobrante Landfill Mitigation Monitoring Plan (MMP).

This noise assessment has been prepared on behalf of USA Waste of California, the owner and operator of the landfill, to determine whether the hours allowed for excavation and liner construction activities, which involve the use of a conveyor belt system for movement of soil and the use of heavy diesel equipment (e.g., bull dozers, scrapers, grading equipment), can be extended beyond the hours and days currently established. Noise levels for both current and future excavation/liner construction operations were analyzed using noise levels and standards established pursuant to the Riverside County Noise Ordinance No. 847. Current noise measurements were taken on-site and at three residential sites while construction was underway in Phase 11A of the landfill (see Exhibit 1). Utilizing these current noise measurements, noise levels were then projected to determine the worst-case scenario for future excavation and liner construction activities.

This report presents the results of the noise study analysis and includes recommendations under which the hours and days could be extended for both current and future excavation/liner construction operations at the El Sobrante Landfill in compliance with the County's Noise Ordinance.

### **1.2 Background Information on Noise**

#### ***1.2.1 Noise Criteria Background***

Sound is technically described in terms of the loudness (amplitude) of the sound and frequency (pitch) of the sound. The standard unit of measurement of the loudness of sound is the decibel (dB). Decibels are based on the logarithmic scale. The logarithmic scale compresses the wide range in sound pressure levels to a more usable range of numbers in a manner similar to the Richter scale used to measure earthquakes. In terms of human response to noise, a sound 10 dB higher than another is judged to be twice as loud; and 20 dB higher four times as loud; and so forth. Everyday sounds normally range from 30 dB (very quiet) to 100 dB (very loud).

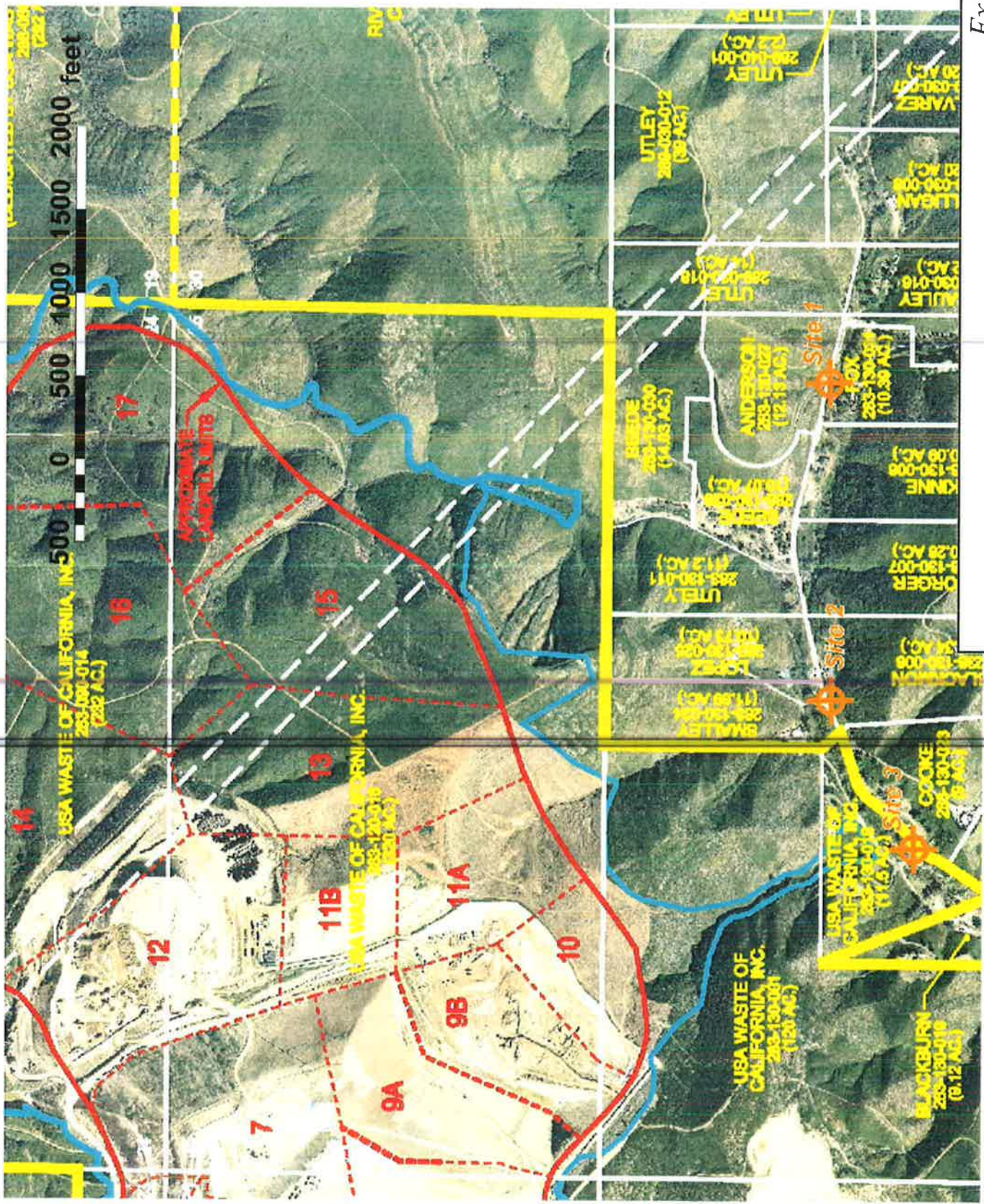


Exhibit 1  
 Landfill Cells and Measurement Sites

Since the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale has been devised to relate noise to human sensitivity. The A-weighted decibel scale (dBA) performs this compensation by discriminating against frequencies in a manner approximating the sensitivity of the human ear. Community noise levels are measured in terms of the "A-weighted decibel," abbreviated dBA. Exhibit 2 provides examples of various noises and their typical A-weighted noise level.

Sound levels decrease as a function of distance from the source as a result of wave divergence, atmospheric absorption and ground attenuation. As the sound wave form travels away from the source, the sound energy is dispersed over a greater area, thereby dispersing the sound power of the wave. Atmospheric absorption also influences the levels that are received by the observer. The greater the distance traveled, the greater the influence and the resultant fluctuations. The degree of absorption is a function of the frequency of the sound as well as the humidity and temperature of the air. Turbulence and gradients of wind, temperature and humidity also play a significant role in determining the degree of attenuation. Intervening topography can also have a substantial effect on the effective perceived noise levels.

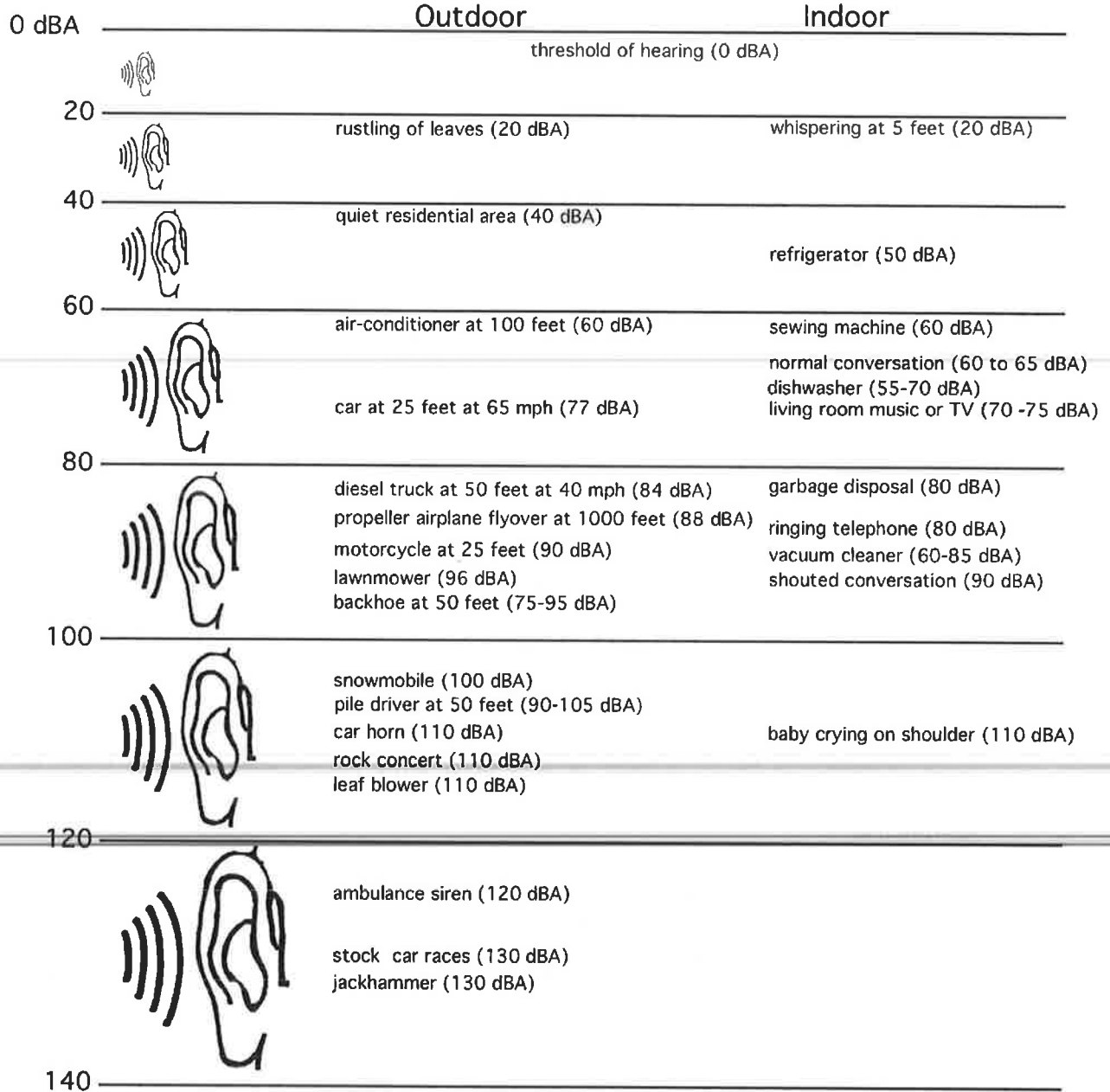
Noise has been defined as unwanted sound and it is known to have several adverse effects on people. From these known effects of noise, criteria have been established to help protect the public health and safety and prevent disruption of certain human activities. This criteria is based on such known impacts of noise on people as hearing loss, speech interference, sleep interference, physiological responses and annoyance. Each of these potential noise impacts on people are briefly discussed in the following narratives:

**HEARING LOSS** is not a concern in community noise situations of this type. The potential for noise induced hearing loss is more commonly associated with occupational noise exposures in heavy industry or very noisy work environments. Noise levels in neighborhoods, even in very noisy airport environs, are not sufficiently loud to cause hearing loss.

**SPEECH INTERFERENCE** is one of the primary concerns in environmental noise problems. Normal conversational speech is in the range of 60 to 65 dBA and any noise in this range or louder may interfere with speech. There are specific methods of describing speech interference as a function of distance between speaker and listener and voice level.

**SLEEP INTERFERENCE** is a major noise concern for traffic noise. Sleep disturbance studies have identified interior noise levels that have the potential to cause sleep disturbance. Note that sleep disturbance does not necessarily mean awakening from sleep, but can refer to altering the pattern and stages of sleep.

**PHYSIOLOGICAL RESPONSES** are those measurable effects of noise on people that are realized as changes in pulse rate, blood pressure, etc. While such effects can be induced and observed, the extent is not known to which these physiological responses cause harm or are sign of harm.



Sources: League For The Hard Of Hearing, www.lhh.org  
 Handbook of Noise Control, McGraw Hill, Edited by Cyril Harris, 1979  
 Measurements by Mestre Greve Associates

*Exhibit 2*  
**Typical Noise Levels**

**ANNOYANCE** is the most difficult of all noise responses to describe. Annoyance is a very individual characteristic and can vary widely from person to person. What one person considers tolerable can be quite unbearable to another of equal hearing capability.

### 1.3 Noise Criteria

A noise ordinance is designed to control unnecessary, excessive and annoying sounds from one parcel of land impacting another parcel of land. Noise ordinance requirements cannot be applied to mobile noise sources when traveling on public roadways, because Federal and state laws preempt their control. However, a noise ordinance does apply to both mobile and stationary noise sources on private lands. Riverside County Ordinance No. 847 comprises the County's Noise Ordinance.

The El Sobrante Landfill is a public project and has a land use designation of "Public Facility (PF)" under the Riverside County General Plan. As a public facility, the most relevant section of the ordinance that applies to the landfill is Section 2(a), which states that "Facilities owned or operated by or for a governmental agency" are "exempt from the provisions of this ordinance." Similarly, Section 2(h) exempts "p[P]rivate construction projects located one-quarter (1/4) of a mile or more from an inhabited dwelling." While the boundary of the property owned by the landfill operators does extend within ¼ mile of inhabited dwellings, the planned landfill phases where construction activities will occur are slightly more than ¼ of a mile from inhabited dwellings. Therefore, existing and future excavation and liner construction activities at the landfill are technically exempt from the noise provisions in the County's Noise Ordinance, because the landfill is a public facility and construction activities will be more than ¼ mile from the inhabited dwellings.

Section 2(i) limits construction for projects within ¼ mile of an inhabited dwelling. It exempts construction when the following is met:

1. Construction does not occur between the hours of 6 p.m. and 6 a.m. during the months of June through September; and
2. Construction does not occur between the hours of 6 p.m. and 7 a.m. during the months of October through May.

Section 4 of the ordinance limits activities that are not exempt. The ordinance limits the noise level based on the receiving land use. For occupied residential property, the limits are that the maximum sound level (L<sub>max</sub>) should not exceed 55 dBA during the day (7 a.m. to 10 p.m.) and 45 dBA during the nighttime (10 p.m. to 7 a.m.). Regardless of the fact that the landfill is exempt, this noise study was conducted to determine whether the landfill's existing and future excavation and construction activities can comply with the maximum noise levels established pursuant to Section 4 of the County's Noise Ordinance for the residences near the landfill.

### 1.4 Existing Noise Measurements

The existing noise levels in the vicinity of the El Sobrante Landfill were determined on the basis of two sets of measurements. The first set of noise levels were measured at three locations along

Dawson Canyon Road, as previously shown on Exhibit 1, to determine ambient noise levels and to determine if landfill construction activities were creating high levels of noise. Sites 1, 2, and 3 are located approximately 2990 feet, 1810 feet, and 1980 feet from Phase 11A, respectively. A second group of measurements were taken at the landfill to determine source noise levels of the conveyor and heavy equipment.

**1.4.1 Ambient Noise Measurements**

Three short-term noise measurements were taken along Dawson Canyon Road. Sites 1 and 2 were measured between 2:00 p.m. and 4:00 p.m. on November 7, 2011. Site 3 was delayed because the conveyor was not operating and was measured on November 15 at 1:30 p.m. Measurements at all sites were performed using a Brüel & Kjær Model 2236 automated digital noise data acquisition system and sound meter mounted on a tripod. During the measurements a large windscreen covered the microphone to dampen out the effect of unwanted wind-generated noise. For each measurement site, 20 to 30 minutes of data were collected and field notes were made. Before and after the measurements were taken, a Brüel & Kjær 4231 calibrator with certification traceable to the National Institute of Standards and Technology was used to calibrate the sound meter to ensure that the measured sound level readings were accurate. At the conclusion of each set of measurements, the Leq, Lmin, Lmax, L1.7, L8.3, L25 and L50 values for the full time period were written down on a data sheet. Prevailing weather conditions were noted. Table 1 shows the results of the measurements.

**Table 1 Existing Noise Measurements (dBA)**

Site	Date	Time	Leq	Lmax	L1.7	L8.3	L25	L50	Lmin
1	11-7-11	2:11 pm	45.1	68.7	55.5	49.0	41.5	35.0	26.1
2	11-7-11	2:44 pm	50.0	67.2	60.0	56.0	44.0	39.5	30.7
3	11-15-11	1:30 pm	50.0	69.0	59.0	51.5	45.5	39.5	32.1

The noise levels for all three sites were fairly consistent. The noise levels were representative of a quiet suburban area, but were not representative of a pristine rural environment. The landfill operations had virtually no effect on the overall noise levels. Any noise that was heard of the landfill was at the lower end of the noise range. Each of the noise measurements is discussed in more detail below.

**Site 1: Most Easterly Site Near 11985 Dawson Canyon Road.**

The monitoring location was the most easterly residence. It was selected because it is fairly distant from current landfill construction activities, but could be affected by activities in the future. Many noise sources contributed to the noise environment at this site including high jets, low general aviation aircraft, birds, trees rustling, distant regular gun shots, a truck on a nearby lot, and cars passing on the road. The highest noise levels were caused by aircraft flying overhead and by a truck on Dawson Canyon Road. The landfill construction activities were heard for less than a minute during the 22 minute measurement. Backup beepers and diesel engine noise could be heard in the 27 to 29 dBA range. These levels are close to the minimum noise level recorded for the entire period.



### **Site 2: Middle Site Near 11581 Dawson Canyon Road**

Noise sources heard at this site again included overhead planes, car pass-bys on Dawson Canyon Road, and a truck on a nearby lot. Construction operations at the landfill were more audible at this site than at Site 1. Construction operations could be heard roughly 1/3 of the time. The noise levels from the landfill were generally in the 34 to 39 dBA range and were attributed to the use of diesel equipment. During one period, construction operations rose to the 41 to 43 dBA range. Still these noise levels were in the quieter half of the noise measurements made at this site.

### **Site 3: Westerly Site Near Mailboxes**

Noise sources at this site included car traffic on Dawson Canyon Road, aircraft flyovers, and workers installing a chain length fence at a nearby lot. The conveyor belt system was in operation during this measurement period. Construction activities at the landfill could not be heard at this site. This site has an unobstructed view up the hill to the conveyor belt system. The conveyor was heard a couple of times briefly. The noise levels for the conveyor were in the 36 to 37 dBA range, which is near the minimum noise levels measured for this site.

In summary, the landfill construction activities could occasionally be heard at the measurement sites, but the noise levels for the construction activities were very low and always near the lower end of the noise levels experienced at the sites.

## **1.4.2 Source Noise Measurements**

Source noise measurements were made at the landfill to determine the noise levels associated with the conveyor and with the heavy equipment. The same measurement equipment was used as was used for the ambient noise measurements. The L<sub>max</sub> was the critical noise level measured since the noise ordinance focuses on the L<sub>max</sub> level. The conveyor system was measured at 75 feet and had a source noise level of 66.9 dBA (L<sub>max</sub>). Two pieces of heavy equipment were in operation and were measured at a distance of 225 feet. The source noise level for the two heavy duty diesel dozers was 80.5 dBA (L<sub>max</sub>). This noise level is consistent with measurements that our firm has made before, and is consistent with noise levels documented by the U.S. EPA.

## **1.5 Potential For Adverse Noise Impacts**

The potential for future adverse noise impacts from excavation and cell construction in other phases of the landfill was considered by using the source noise measurements for both the conveyor system and heavy diesel equipment.

### **1.5.1 Conveyor Belt Noise**

The conveyor currently extends along the south edge of Phase 10 of the landfill. There are no plans to extend the conveyor beyond this location. The conveyor is currently approximately 1,778 feet from Site 3, and would be exempt from the ordinance since it is more than ¼ mile (1,320 feet) away. However, the following analysis is presented to show that the conveyor can

comply with the ordinance even if plans for the conveyor are changed, and it is moved closer to residences.

The noise level for the conveyor system at measurement Site 3, which appears to be the worst case location for existing operations since it has a very clear line-of-sight to the conveyor, was 37 dBA (Lmax). This level is well below the nighttime 45 dBA (Lmax) criteria set in the County's Noise Ordinance. Therefore, there should be no limitations on its operation.

In the event that plans for the conveyor change, and it is extended into areas of the landfill outside the planned phases, locations that were less than ¼ mile from residences were considered. Based on the existing noise measurements and additional calculations, the noise levels were projected to be less than the nighttime 45 dBA (Lmax) criteria at all locations more than 933 feet from the conveyor and to be less than the daytime criteria of 55 dBA (Lmax) at locations more than 295 feet from the conveyor (see Appendix). Therefore, the conveyor could be allowed to operate 24 hours per day provided it was more than 933 feet from occupied residences. Likewise, the conveyor could be allowed to operate during the daytime hours of 7 a.m. to 10 p.m. provided it is more than 295 feet from occupied residences.

### **1.5.2 Heavy Construction Equipment**

Noise measurements indicate that two pieces of heavy equipment operating at 225 feet in Phase 11A resulted in a noise level of 80.5 dBA (Lmax). This equipment is either barely audible or not audible at the residences along Dawson Canyon Road. A big reason that the equipment is so quiet at the residences is that cell construction and excavation is occurring at least 30 feet below the top edge of the ridge. That is, the top edge of the landfill acts like a giant noise barrier for the equipment operating down in the cell.

To calculate potential noise levels in the future in Phase 11A, it was assumed that 10 pieces of heavy equipment would be operating instead of the two measured, and the source noise levels were adjusted accordingly. The noise levels for ten pieces of heavy equipment operating in Phase 11A (current construction area) and Phase 15 (worst case area) were calculated for measurement Sites 1 and 2. (Site 3 was not calculated because it is not impacted by construction noise.) It should be noted that both of these phases are currently planned with their extents greater than ¼ mile from inhabited dwellings. Therefore, construction for these phases would be exempt from the noise ordinance.

The noise levels were calculated based on the equipment operating at the top of slope and at various elevations below the top of slope. Results can be found below in Table 2. Noise levels above 55 dBA (Lmax) are shown in bold. The noise levels decrease rapidly once the equipment is 10 feet or more below the top of slope. This is because the top of slope acts like a noise barrier or soundwall. Noise has to bend around the top of slope to reach the receptors, and the more that it has to bend the greater the reduction.

**Table 2 Noise Levels For 10 Pieces of Heavy Equipment (dBA Lmax)**

	Phase 11A	Phase 15
<b>Site 1</b>		
Equipment at Top of Grade	57.9	59.4
Equipment 10' Below Grade	50.6	51.5
Equipment 20' Below Grade	44.8	45.9
Equipment 30' Below Grade	42.0	43.3
<b>Site 2</b>		
Equipment at Top of Grade	62.0	61.5
Equipment 10' Below Grade	52.6	52.3
Equipment 20' Below Grade	47.7	47.3
Equipment 30' Below Grade	45.5	45.1

Table 2 shows that once the equipment is 10 feet or more below the top of slope the noise levels are less than 55 dBA (Lmax). That is, heavy construction equipment, even with 10 pieces operating simultaneously, will be below the daytime noise ordinance criteria of 55 dBA (Lmax) when it is 10 feet or more below the top of slope. As noted in the table, it is only when heavy equipment is operating on top of the slope that the 55 dBA (Lmax) criteria is likely to be exceeded. As soon as the heavy equipment starts operating 10 feet or more below the top edge of the slope, then the construction activities are in compliance with the most stringent daytime noise requirements of the County's Noise Ordinance and should be allowed to operate anytime within the hours that are identified as daytime in the noise ordinance (i.e., 7 a.m. to 10 p.m.).

Table 3 shows the Lmax noise levels with and without the landfill operations. The Lmax noise levels during the ambient noise measurements were caused by aircraft flyovers and drive-bys on Dawson Canyon Road. The landfill operations did not contribute to these noise levels. The Lmax noise levels generated by landfill construction operations will be well below the ambient noise levels, and therefore, the ambient noise level based on the Lmax scale used in the County ordinance will not be changed.

**Table 3 Noise Levels (Lmax) With and Without the Landfill Construction**

Site	Without Landfill Construction	With Landfill Construction
1	68.7	68.7
2	67.2	67.2
3	69.0	69.0

## 2.0 Results and Recommendations

Based on this noise assessment, the current hours and days allowed for excavation and cell construction activities (i.e., 8 a.m. to 5 p.m., Monday through Saturday) could be extended in compliance with noise levels and/or other provisions established pursuant to the Riverside County Noise Ordinance No. 847 and without creating significant impacts on the nearest residential community along Dawson Canyon Road.

### 2.1 Conveyor Belt System

The noise study found that excavation activities related to the conveyor belt system for soil movement in its current location along the south side of Phase 10 of the landfill could be operated up to 24 hours a day and not exceed the nighttime maximum noise level of 45 dBA (Lmax) established to determine impacts on surrounding occupied residential land uses. While there are no plans to operate the conveyor 24 hours per day or to extend the conveyor into areas outside of planned phases of the landfill, which are located more than ¼ mile from residences, the study found that even if the conveyor was located 933 feet or more from residences, it could still be operated up to 24 hours a day and not exceed the maximum nighttime criteria of 45 dBA. If a future conveyor were to be placed within 295 feet to 933 feet of residences, it could be operated during the hours of 7 a.m. to 10 p.m. to comply with the daytime maximum noise level of 55 dBA (Lmax) established pursuant to the County's Noise Ordinance.

### 2.2 Heavy Equipment Usage

The noise study found that the operation of up to 10 pieces of heavy equipment used in excavation and liner construction in any of the planned phases of landfill development could comply with the maximum daytime criteria of 55 dBA (Lmax) within the hours of 7 a.m. to 10 p.m. established pursuant to the County's Noise Ordinance, except in the case of equipment operation at the top of slope. It is important to note, however, that while the daytime noise level is exceeded at the top of slope, the ambient Lmax noise levels are the same with and without landfill construction. In addition, because the landfill is a public project and because the planned phases are located more than ¼ of a mile from residences, equipment operation at the top of slope is exempt from complying with the maximum daytime criteria of 55 dBA (Lmax) established for non-exempt operations. It is still recommended that the hours of equipment operation at the top of slope be limited in accordance with the provisions of the County's Noise

Ordinance that apply to private construction projects within  $\frac{1}{4}$  mile of residences to ensure that potential noise impacts from this source are not significant; that is, construction equipment usage at the top of slope will not occur between the hours of 6 p.m. and 6 a.m. during the months of June through September and will not occur between the hours of 6 p.m. and 7 a.m. during the months of October through May.

# APPENDIX

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**BARRIER PREDICTION WORKSHEET, POINT SOURCE**

**EL SOBRIANTE LANDFILL - CONVEYOR BELT**

Noise Level of  dBA at  feet

Critical Freq. (Hz)

Noise Level at 50'

To get other noise levels,  
Put in Distances

Dist.	dBA
5	90.4
100	64.4
1000	44.4
1380	41.6

To get other distances,  
Put in other noise levels.

dBA	Dist.
55	295
50	525
45	933
40	1,660

Lot	Source Elevation	Distance To Wall	Base Of Wall	Dist. To Observer	Pad Elevation	Observer Height	Wall Height	***Barrier Reduction***	Noise Level (dBA)
WM3 - Current Location	1418	1768	1038	1778	1038	5	0.0	0.0	39.4

37 for field meas.

Note: Source noise level based on Lmax measurement of conveyor in use.

**BARRIER PREDICTION WORKSHEET, POINT SOURCE**

**EL SOBRIANTE LANDFILL - HEAVY EQUIPMENT**

Noise Level of	80.5	dBA	at	225.0	feet
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Critical Freq. (Hz)	500
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Noise Level at 50'	93.6
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To get other noise levels,  
Put in Distances

Dist.	dBA
50	93.6
100	87.5
1000	67.5
1380	64.7

To get other distances,  
Put in other noise levels.

dBA	Dist.
70	754
55	4,238
60	2,383
65	1,340

Lot	Source Elevation	Distance To Wall	Base Of Wall	Dist. To Observer	Pad Elevation	Observer Height	Wall Height	***Barrier Reduction***	Noise Level (dBA)
<b>Cell 11 - No Barrier Effect</b>									
WM1 Cell 11A	1425	3040	1080	3045	1080	5	0.0	0.0	57.9
WM2 Cell 11A	1425	1876	1072	1886	1072	5	0.0	0.0	62.0
<b>Down 10 Feet</b>									
WM1 Cell 11A	1425	50	1425	3045	1080	5	0.0	7.3	50.6
WM2 Cell 11A	1425	50	1425	1886	1072	5	0.0	9.5	52.6
<b>Down 20 Feet</b>									
WM1 Cell 11A	1415	50	1425	3045	1080	5	0.0	13.0	44.8
WM2 Cell 11A	1415	50	1425	1886	1072	5	0.0	14.4	47.7
<b>Down 30 Feet</b>									
WM1 Cell 11A	1405	50	1425	3045	1080	5	0.0	15.9	42.0
WM2 Cell 11A	1405	50	1425	1886	1072	5	0.0	16.5	45.5
<b>Cell 15 - No Barrier Effect</b>									
WM1 Cell 15	1425	2546	1080	2556	1080	5	0.0	0.0	59.4
WM2 Cell 15	1425	2002	1072	2012	1072	5	0.0	0.0	61.5
<b>Cell 15 - 10 Feet Down</b>									
WM1 Cell 15	1425	50	1425	2556	1080	5	0.0	7.9	51.5
WM2 Cell 15	1425	50	1425	2012	1072	5	0.0	9.1	52.3
<b>Cell 15 - 20 Feet Down</b>									
WM1 Cell 15	1415	50	1425	2556	1080	5	0.0	13.5	45.9
WM2 Cell 15	1415	50	1425	2012	1072	5	0.0	14.2	47.3
<b>Cell 15 - 30 Feet Down</b>									
WM1 Cell 15	1405	50	1425	2556	1080	5	0.0	16.1	43.3
WM2 Cell 15	1405	50	1425	2012	1072	5	0.0	16.4	45.1

Note: Source noise level based on measurement of 2 graders operating at landfill, extrapolated for 10 pieces of equipment.



# **Addendum**

## **Supplemental Noise Sites for El Sobrante Landfill**

**April 18, 2012**

## 1.0 Introduction

Three additional noise measurements were made near the El Sobrante Landfill. These sites were measured and analyzed pursuant to the requests of residences. The same methodology for the measurements and assessment techniques were used as for the sites in the main body of the report. The locations of the additional sites are shown in Exhibit S-1.

## 2.0 Additional Noise Measurements

Three additional sites were measured, and are referred to as Sites 4, 5, and 6. Sites 4, 5, and 6 are located approximately 1,747 feet from Phase 10, 2,236 feet from Phase 15, and 4,659 feet from Phase 15, respectively.

Three short-term noise measurements were taken along Dawson Canyon Road. The sites were measured between 11 a.m. and noon on April 12, 2012. Table 1 shows the results of the measurements.

**Table S-1 Existing Noise Measurements (dBA)**

Site	Time	Leq	Lmax	L1.7	L8.3	L25	L50	Lmin
4	11:50 am	41.4	54.7	46.5	43.5	41.5	40.0	36.6
5	11:22 am	49.4	68.7	57.5	52.0	45.0	41.0	35.1
6	11:33 am	43.2	53.9	50.5	47.0	43.5	41.0	32.3

The noise levels for all three sites were fairly consistent. The noise levels were representative of a quiet suburban area, but were not representative of a pristine rural environment. The landfill operations had virtually no effect on the overall noise levels. Any noise that was heard of the landfill was at the lower end of the noise range. Each of the noise measurements is discussed in more detail below.

### **Site 4: Near Cooke Residence.**

Many noise sources contributed to the noise environment at this site including high aircraft, birds, and distant motorcycles. The highest noise levels were caused by aircraft flying overhead. Backup beepers and conveyor noise could be heard but only when distant motorcycle and bird noise was at a minimum. These levels are close to the minimum noise level recorded for the entire period.

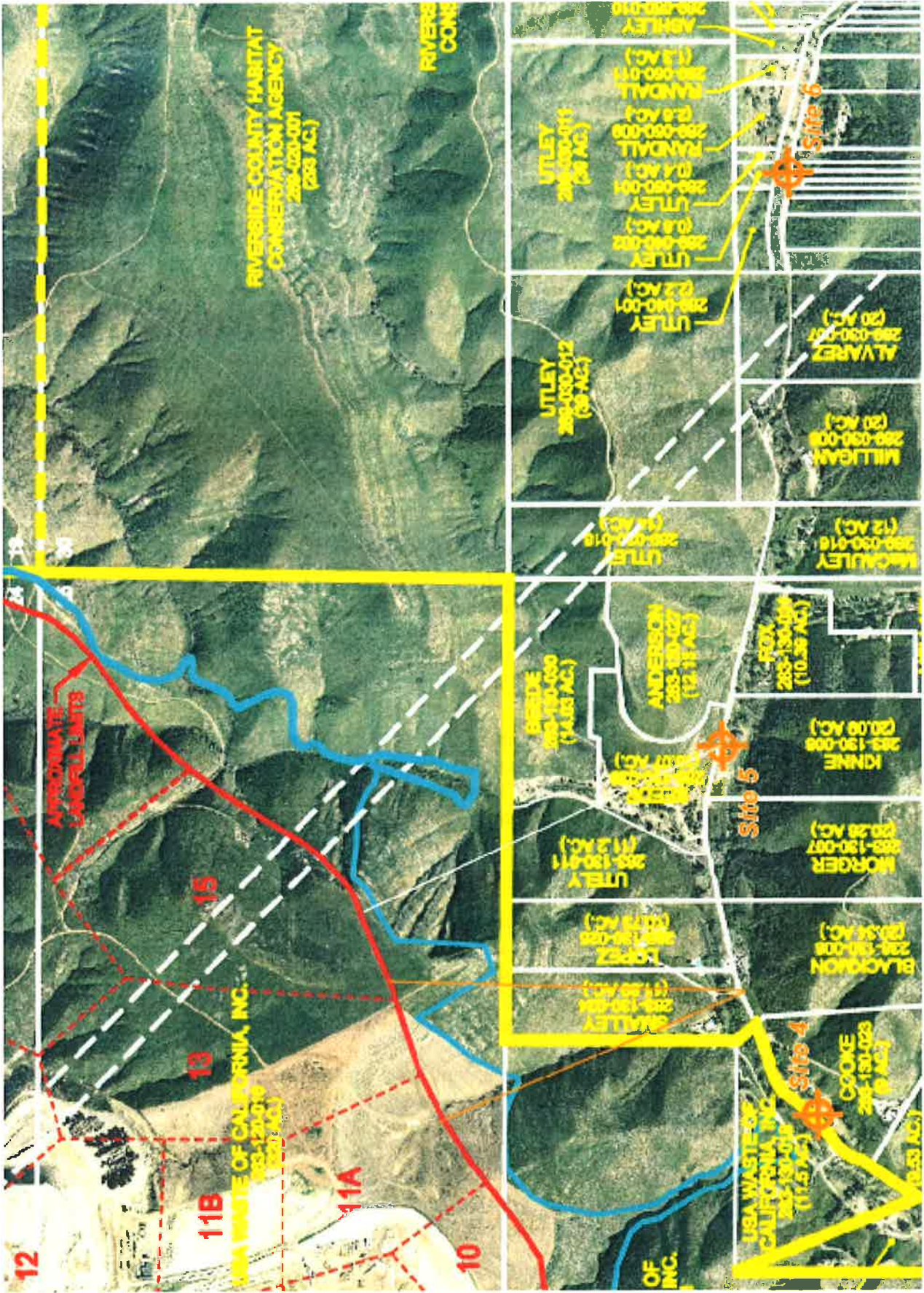


Exhibit S-1  
 Supplemental Measurement Sites

#### **Site 5: Near Kinne Residence**

Noise sources heard at this site again included overhead planes and jets, a car pass-by on Dawson Canyon Road, leaves rustling in a breeze, and a distant dog barking. Conveyor noise could be heard, but only during the absolute quietest periods. Other construction noise was not audible.

#### **Site 6: Near Randall Residence**

Noise sources at this site included birds, a distant dog, and high aircraft. The maximum noise level was due to a distant dog barking. Construction activities at the landfill could not be heard at this site.

In summary, the landfill construction activities could occasionally be heard at the measurement sites, but the noise levels for the construction activities were very low and always near the lower end of the noise levels experienced at the sites.

### **3.0 Potential For Adverse Noise Impacts**

The potential for future adverse noise impacts from excavation and cell construction in other phases of the landfill was considered by using the source noise measurements for both the conveyor system and heavy diesel equipment.

#### **3.1 Conveyor Belt Noise**

The conveyor currently extends along the south edge of Phase 10 of the landfill. There are no plans to extend the conveyor beyond this location. The conveyor is currently approximately 1,747 feet from Site 4, and would be exempt from the ordinance since it is more than  $\frac{1}{4}$  mile (1,320 feet) away. However, the following analysis is presented to show that the conveyor can comply with the ordinance even if plans for the conveyor are changed, and it is moved closer to residences.

The noise level for the conveyor system at measurement Site 3, which appears to be the worst case location for existing operations since it has a very clear line-of-sight to the conveyor, was approximately 37 dBA (Lmax). (The conveyor noise levels for Site 4 were slightly less than were measured for Site 3.) This level is well below the nighttime 45 dBA (Lmax) criteria set in the County's Noise Ordinance. Therefore, there should be no limitations on its operation.

In the event that plans for the conveyor change, and it is extended into areas of the landfill outside the planned phases, locations that were less than  $\frac{1}{4}$  mile from residences were considered. Based on the existing noise measurements and additional calculations, the noise levels were projected to be less than the nighttime 45 dBA (Lmax) criteria at all locations more than 933 feet from the conveyor and to be less than the daytime criteria of 55 dBA (Lmax) at locations more than 295 feet from the conveyor (see Appendix). Therefore, the conveyor could be allowed to operate 24 hours per day provided it was more than 933 feet from occupied

residences. Likewise, the conveyor could be allowed to operate during the daytime hours of 7 a.m. to 10 p.m. provided it is more than 295 feet from occupied residences.

### 3.2 Heavy Construction Equipment

Previous noise measurements indicate that two pieces of heavy equipment operating at 225 feet in Phase 11A resulted in a noise level of 80.5 dBA (Lmax). This equipment is either barely audible or not audible at the residences along Dawson Canyon Road. A big reason that the equipment is so quiet at the residences is that cell construction and excavation is occurring at least 30 feet below the top edge of the ridge. That is, the top edge of the landfill acts like a giant noise barrier for the equipment operating down in the cell.

To calculate potential noise levels in the future, it was assumed that 10 pieces of heavy equipment would be operating instead of the two measured, and the source noise levels were adjusted accordingly. The noise levels for ten pieces of heavy equipment operating in Phase 15 (worst case area) were calculated for measurement Sites 5 and 6. (Site 4 was not calculated because it is not impacted by construction noise.) It should be noted that this phase is currently planned with the limits greater than ¼ mile from inhabited dwellings. Therefore, construction for this phase would be exempt from the noise ordinance.

The noise levels were calculated based on the equipment operating at the top of slope and at various elevations below the top of slope. Results can be found below in Table 2. Noise levels above 55 dBA (Lmax) are shown in bold. The noise levels decrease rapidly once the equipment is 10 feet or more below the top of slope. This is because the top of slope acts like a noise barrier or soundwall. Noise has to bend around the top of slope to reach the receptors, and the more that it has to bend the greater the reduction.

**Table S-2 Noise Levels For 10 Pieces of Heavy Equipment (dBA Lmax)**

Phase 15	
<b>Site 5</b>	
Equipment at Top of Grade	<b>60.6</b>
Equipment 10' Below Grade	52.1
Equipment 20' Below Grade	46.8
Equipment 30' Below Grade	44.3
<b>Site 6</b>	
Equipment at Top of Grade	<b>54.2</b>
Equipment 10' Below Grade	48.5
Equipment 20' Below Grade	42.5
Equipment 30' Below Grade	38.9

Table 2 shows that once the equipment is 10 feet or more below the top of slope the noise levels are less than 55 dBA (Lmax) for Site 5. Even with the equipment at top of slope, Site 6 will not have noise levels that exceed 55 dBA. This result is similar to the results for Sites 1 and 2. For Sites 1 and 2 noise levels did not exceed 55 dBA (Lmax) when the equipment was 10 feet below the top of slope.

Table 3 shows the Lmax noise levels with and without the landfill operations. The Lmax noise levels during the ambient noise measurements were caused by aircraft flyovers and drive-bys on Dawson Canyon Road. The landfill operations did not contribute to these noise levels. The Lmax noise levels generated by landfill construction operations will be well below the ambient noise levels for Sites 4 and 5, and therefore, the ambient noise level based on the Lmax scale used in the County ordinance will not be changed. The ambient noise level was very low for Site 6. With construction equipment operating at the top of slope, the Lmax noise level may be increased by 0.3 dB, which is so small that it would not be perceptible.

## **APPENDIX FOR SUPPLEMENT**

**Table S-3 Noise Levels (Lmax) With and Without the Landfill Construction**

Site	Without Landfill Construction	With Landfill Construction
4	54.7	54.7
5	68.7	68.7
6	53.9	54.2

#### **4.0 Results and Recommendations**

The results for Sites 4, 5, and 6 are nearly identical to the previous results for Sites 1, 2, and 3. Therefore, the recommendations in the main body of the report are still appropriate.



**BARRIER PREDICTION WORKSHEET, POINT SOURCE**

**EL SOBRAWANTE LANDFILL - HEAVY EQUIPMENT**

Noise Level of	80.5	dBA	at	225.0	feet
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Critical Freq. (Hz)	500
---------------------	-----

Noise Level at 50'	93.6
--------------------	------

To get other noise levels,  
Put in Distances

Dist.	dBA
50	93.6
100	87.5
1000	67.5
1380	64.7

To get other distances,  
Put in other noise levels.

dBA	Dist.
70	754
55	4,238
60	2,383
65	1,340

Lot	Source Elevation	Distance To Wall	Base Of Wall	Dist. To Observer	Pad Elevation	Observer Height	Wall Height	***Barrier Reduction***	Noise Level (dBA)
<b>Cell 15 - No Barrier Effect</b>									
WM5 Cell 15	1425	2226	1084	2236	1084	5	0.0	0.0	60.6
WM6 Cell 15	1425	4649	1153	4659	1153	5	0.0	0.0	54.2
<b>Cell 15 - 10 Feet Down</b>									
WM5 Cell 15	1425	50	1425	2236	1084	5	0.0	8.5	52.1
WM6 Cell 15	1425	50	1425	4659	1153	5	0.0	5.6	48.5
<b>Cell 15 - 20 Feet Down</b>									
WM5 Cell 15	1415	50	1425	2236	1084	5	0.0	13.8	46.8
WM6 Cell 15	1415	50	1425	4659	1153	5	0.0	11.7	42.5
<b>Cell 15 - 30 Feet Down</b>									
WM5 Cell 15	1405	50	1425	2236	1084	5	0.0	16.2	44.3
WM6 Cell 15	1405	50	1425	4659	1153	5	0.0	15.3	38.9

Note: Source noise level based on measurement of 2 graders operating at landfill, extrapolated for 10 pieces of equipment.



# Mitigation Monitoring Program

# MITIGATION MONITORING PROGRAM

for the

*EL SOBRANTE LANDFILL*

---

*Lead Agency:*

**Riverside County Waste  
Management Department**

14310 Frederick Street  
Moreno Valley, CA 92553  
Ph: (951) 486-3200

March 31, 2009

**Revised December 18, 2012**

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## Mitigation Monitoring Program

### I. BACKGROUND

The California Environmental Quality Act (CEQA) requires that a Lead Agency establish a program to monitor and report on mitigation measures adopted as part of the environmental review process to avoid or reduce the severity and magnitude of potentially significant environmental impacts associated with project implementation. CEQA (Public Resources Code Section 21081.6(a)(1)) requires that a Mitigation Monitoring Program (MMP) be adopted at the time that the agency determines to carry out a project for which an EIR has been prepared, to ensure that mitigation measures identified in the EIR are fully implemented.

As documented in the SEIR for the El Sobrante Landfill SWFP Revision, new or expanded mitigation measures were not required in association with the proposed Project, because it was determined that the proposed Project would not result in any new impacts to the environment that were not previously accounted for, and mitigated by, a previous EIR (Expansion EIR) for the El Sobrante Landfill Expansion Project (SCH No. 1990020076), certified by the Riverside County Board of Supervisors on September 1, 1998.

Since certification of the El Sobrante Landfill Expansion Project EIR in 1998, several of the mitigation requirements associated with the Expansion project have since been fulfilled, while others reflect on-going or yet-to-be fulfilled requirements imposed by the Expansion EIR to reduce potential impacts to a level below significance. Pursuant to CEQA Guidelines §15097, the following *Mitigation Monitoring Plan*, provides the mitigation measures that remain in effect with approval of the proposed Project.

### II. MMP OVERVIEW

1. This MMP will be overseen by the Riverside County Waste Management Department (RCWMD). RCWMD will be responsible for maintaining and reviewing the monitoring records. Up-to-date copies of compliance records, in addition to copies of pertinent plans, report and permits, will be maintained on file at RCWMD.
2. The MMP has been designed to be flexible. As monitoring progresses, changes to compliance procedures may be necessary based on recommendations by those responsible for the MMP. As changes are made, new monitoring compliance procedures and records will be developed and incorporated into the MMP.
3. Mitigation measures have been numbered within each environmental category (e.g., G-1, Geology, Soils and Seismicity). The following abbreviations are used in this MMP to designate the environmental categories as included in the Expansion EIR:
  - A = Aesthetics
  - AQ = Air Quality
  - B = Biological Resources
  - C = Cultural Resources
  - G = Geology, Soils and Seismicity
  - L = Land Use and Land Use Plans
  - N = Noise
  - P = Paleontological Resources
  - T = Transportation and Circulation
  - U = Public Services and Utilities
  - W = Water Resources

4. In addition to RCWMD, various other local, state and federal agencies are responsible for monitoring the implementation of the mitigation measures included in this Program. The following agencies abbreviations are used in this Program to designate the responsible agencies:
- CDFG = California Department of Fish and Game
  - CIWMB = California Integrated Waste Management Board
  - LEA = Local Enforcement Agency
  - RCBSD = Riverside County Building and Safety Department
  - RCEHA = Riverside County Environmental Health Agency
  - RCFCD = Riverside County Flood Control District
  - RCFD = Riverside County Fire Department
  - RCPD = Riverside County Planning Department
  - RCTD = Riverside County Transportation Department
  - RCWMD = Riverside County Waste Management Department
  - RWQCB = Regional Water Quality Control Board
  - SCAQMD = South Coast Air Quality Management District
  - USFWS = U.S. Fish and Wildlife Service

### **III. REPORTS/PERMITS TO BE FILED**

1. As the designated lead agency for Riverside County for EI Sobrante, RCWMD shall maintain copies of pertinent reports, plans, and permits associated with the mitigation measures. For each mitigation measure, the "Implementation and Timing" column in Section 4 of this MMP specifies reports/permits which will be provided to RCWMD. Table 1 is a summary list of these documents by environmental category. Documents as noted under the "General" category (e.g., Solid Waste Facilities Permit) include supporting technical documents and permits.
2. RCWMD will also maintain copies of supplemental documentation associated with specific mitigation measures. As noted in Section 4, additional documentation applicable to individual measures will be forwarded to RCWMD by the responsible agencies.

**Table 1  
Reports/Permits to be Filed with the  
Riverside County Waste Management Department**

<b>Environmental Category</b>	<b>Document</b>
General	<ul style="list-style-type: none"> <li>• Solid Waste Facility Permit (SWFP)</li> <li>• Waste Discharge Requirements (WDRs)</li> <li>• Report of Disposal Site Information (RDSI)</li> <li>• Report of Waste Discharge (ROWD)</li> </ul> <div style="text-align: right; margin-top: -10px;">                     } Joint Technical Document                 </div>
Geology, Soils and Seismicity	<ul style="list-style-type: none"> <li>• Final Grading Plans</li> <li>• Post-Earthquake Inspection Plan</li> <li>• Blasting Study (if required)</li> <li>• Blasting Notifications (Sheriffs/Fire Depts., Neighbors)</li> </ul>
Water Resources	<ul style="list-style-type: none"> <li>• Approved Drainage Plan</li> <li>• Stormwater Pollution Prevention Plan</li> <li>• Landfill Gas Collection System Plan</li> <li>• Groundwater Monitoring Well Plan</li> <li>• Landfill Cover Design</li> </ul>
Biological Resources	<ul style="list-style-type: none"> <li>• Multispecies Restoration Plan and Implementation Plan</li> <li>• Memorandum of Agreement with USFWS, CDFG, RCHCA, and County</li> <li>• Landfill Lighting Plans</li> <li>• Predator Monitoring and Control Plan</li> </ul>
Land Use and Land Use Plans	<ul style="list-style-type: none"> <li>• No Reports/Permits Required to be Filed with RCWMD</li> </ul>
Air Quality	<ul style="list-style-type: none"> <li>• No Reports/Permits Required to be Filed with RCWMD</li> </ul>
Noise	<ul style="list-style-type: none"> <li>• Landfill Operating Plans</li> </ul>
Aesthetics	<ul style="list-style-type: none"> <li>• Multispecies Restoration Plan and Implementation Plan</li> <li>• Building Plans</li> <li>• Lighting Plans</li> </ul>
Cultural Resources	<ul style="list-style-type: none"> <li>• Archaeological Monitoring Reports</li> <li>• Archaeological Discovery Reports</li> </ul>
Paleontological Resources	<ul style="list-style-type: none"> <li>• Paleontological Monitoring Program</li> <li>• Fossil Inventory Report</li> </ul>
Public Services and Utilities	<ul style="list-style-type: none"> <li>• Fire Protection/Revegetation Management Plan</li> <li>• Lighting Plans</li> <li>• Wastewater System Plans</li> </ul>



**EI Sobrante Landfill SWFP Revision**

**Mitigation Monitoring Program**

**IV. MITIGATION MONITORING REQUIREMENTS**

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
<b>Aesthetics</b>			
A-1	To assure visual screening of landfill operations and facilities, a phased closure and restoration plan shall be implemented. The closure and restoration plan shall utilize Riversidian sage scrub consistent with native vegetation in nearby undisturbed areas of the Gavilan Hills to minimize visual impacts to surrounding views.	USFWS, CDFG	Multispecies Restoration Plan and Implementation Plan to be reviewed and approved by USFWS and CDFG prior to closure of the initial phase of the expanded landfill.  Ongoing monitoring and reporting to be conducted in accordance with the approved Restoration Plan and Implementation Plan through landfill operation and postclosure monitoring period.
A-2	Development shall be phased such that only approximately 20 acres are disturbed at any one time. Riversidian sage scrub restoration activities shall be similarly phased.	RCWMD, LEA	RCWMD and LEA to review phasing plans and inspect the landfill upon their discretion.
A-3	Landfill-associated facilities and structure exteriors (including rooftops) and signage shall be of a color consistent with the surrounding area.	RCBSD	RCBSD to review and approve building plans prior to issuance of building permits.
A-4	A plan that assures the removal or approved use of landfill-associated facilities, structures, and signage shall be approved by the CIWMB, as part of the Post-closure Plan.	LEA, CIWMB	Postclosure Monitoring Plan to be reviewed and approved by LEA and CIWMB prior to phased closure.
A-5	Outdoor lighting associated with the access road, administration building, and scales shall be directed toward the ground and shall be shielded. Portable lighting used for landfill operations (i.e., working face of the landfill) shall be shielded and directed toward the working area.	LEA	LEA to inspect lighting upon their discretion.
A-6	Wherever feasible, temporary earthen or landscape berms, or other structures or measures, shall be utilized to provide visual screening of operations at the working face and to reduce potential glare impacts on surrounding residences from nighttime activities at the working face of EI Sobrante. Any measures implemented for this purpose shall be subject to annual review by the Citizen Oversight Committee.	LEA	LEA to inspect lighting upon their discretion.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
A-7	<p>A plan that assures the removal of litter associated with the proposed project shall be approved by the CIWMB prior to the issuance of a SWFP.</p> <p>USA Waste or its successor-in-interest shall be responsible for the control and cleanup of litter and debris from the landfill and/or waste-hauling vehicles along the landfill access road to its intersection with Temescal Canyon Road, and along Temescal Canyon Road from the intersection with Interstate 15 (I-15) to the intersection with Weirick Road. At a minimum, USA Waste or its successor-in-interest shall inspect and remove litter and debris from these roadways on a weekly basis and within 48 hours upon receipt of notice of complaint.</p>	LEA, CIWMB	Litter program to be included in the JTD and reviewed and approved by the LEA and CIWMB prior to issuance of the SWFP.
<b>Air Quality</b>			
AQ-1	<p>The following activities shall occur based on SCAQMD Rule 1150.1 - Control of Gaseous Emissions from Active Landfills:</p> <ul style="list-style-type: none"> <li>Landfill gas collection and thermal destruction systems shall be provided and operated.</li> <li>Landfill gas destruction system shall be constructed using best available control technology (BACT). Improved combustion technology (e.g., boiler) shall be installed at the time that the continued use of current technology flares would exceed SCAQMD standards for stationary sources. (Final EIR).</li> <li>A network of landfill gas monitoring probes shall be installed to identify potential areas of subsurface landfill gas migrations.</li> <li>The project includes a landfill gas barrier layer (i.e., 10- to 20-mil high-density polyethylene [HDPE] or polyvinyl chloride [PVC] sheeting) as part of the intermediate cover and final cover system. This gas barrier layer is not required by Subtitle D and would minimize excess air infiltration and fugitive landfill gas emissions, and would increase landfill gas collection efficiency.</li> </ul>	LEA, SCAQMD	<p>LEA and SCAQMD to review and approve the Authority to Construct (ATC) and the Permit to Operate (PTO) prior to construction of each phase.</p> <p>LEA and SCAQMD to inspect landfill gas collection and monitoring system upon system installation and upon agency discretion through landfill operation.</p> <p>LEA and SCAQMD to review quarterly and annual monitoring/testing reports.</p>

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
AQ-2	<ul style="list-style-type: none"> <li>• Monitoring of landfill gas concentrations at perimeter probes, gas collection system headers, landfill surface, and in ambient air downwind of the landfill shall be conducted in accordance with applicable regulations.</li> <li>• Annual emissions testing of inlet and exhaust gases from the landfill gas destruction system shall be conducted to evaluate gas destruction efficiency.</li> <li>• The gas collection system shall be adjusted and improved based on quarterly monitoring and annual stack testing results.</li> </ul> <p>The following activities shall occur based on SCAQMD Rule 403 - Fugitive Dust:</p> <ul style="list-style-type: none"> <li>• Emission controls necessary to assure that dust emissions are not visible beyond the landfill property boundary shall be implemented.</li> <li>• New cell construction and cell closure activities shall not occur simultaneously.</li> <li>• The Rule 403 Fugitive Dust Emissions Control Plan for the landfill, approved by SCAQMD in May 1993, shall be adhered to. The plan itemized various control strategies for dust emissions from earthmoving, unpaved road travel, storage piles, vehicle track-out, and disturbed surface areas, including watering, chemical stabilizers, revegetation, and operational controls or shutdown for implementation during both normal and high wind conditions.</li> <li>• Rule 403 Fugitive Dust Emissions Control Plan shall be revised on an annual basis.</li> </ul>	LEA, SCAQMD	LEA and SCAQMD to review inspection reports and to conduct inspections upon agency discretion.  SCAQMD to review and approve annual revisions of the Rule 403 Dust Emission Control Plan.
AQ-3	<p>The following mitigation measures exceed current regulatory requirements and shall be incorporated by design, construction, and operation:</p> <ul style="list-style-type: none"> <li>• PM<sub>10</sub> monitoring stations and an onsite meteorological station shall be installed and operated, as agreed in consultation with the SCAQMD.</li> <li>• Where feasible, landfill roads shall be paved.</li> <li>• Portions of paved roads abutting unpaved haul truck</li> </ul>	LEA, SCAQMD	LEA and SCAQMD to review construction plans prior to construction of each phase.  LEA and SCAQMD to conduct inspection upon agency discretion.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
AQ-4	<ul style="list-style-type: none"> <li>traffic areas shall be routinely swept and/or washed.</li> <li>Onsite vehicles shall be routinely maintained.</li> </ul> <p>In the event monitoring indicates that permissible levels of PM<sub>10</sub> are being exceeded, some combination of the following dust control measures shall be implemented:</p> <ul style="list-style-type: none"> <li>Washing of truck wheels.</li> <li>Routing paved access roads away from directions that result in property boundary impacts.</li> <li>Curtailing specific activities (e.g., new phase construction) when conditions are unfavorable for fugitive PM<sub>10</sub> control.</li> </ul>	LEA, SCAQMD	LEA and SCAQMD to review inspection reports prepared by USA Waste upon agency discretion.  LEA and SCAQMD to conduct onsite inspection during construction and through landfill operation upon agency discretion.
AQ-5	<p>The following activities would occur based on SCAQMD Regulation XIII - New Source Review:</p> <ul style="list-style-type: none"> <li>Control devices for stationary emission sources shall be provided which satisfy BACT requirements.</li> <li>NOx, ROG, SOx, and PM<sub>10</sub> emissions from stationary sources shall be offset according to SCAQMD requirements for essential public services.</li> </ul>	SCAQMD	SCAQMD to review and approve the ATC and PTO prior to installation of air emission control devices.
AQ-6	<p>The following activity shall occur based on SCAQMD Regulation XIV - Toxics and Other Noncriteria Pollutants:</p> <ul style="list-style-type: none"> <li>Control devices for stationary emission sources shall be provided which assure that emissions of potentially carcinogenic and/or toxic compounds do not result in unacceptable health risks downwind of the landfill.</li> </ul>	SCAQMD	SCAQMD to review and approve the ATC and PTO prior to installation of air emission control devices.
AQ-7	Onsite vehicles shall be routinely maintained.	SCAQMD	SCAQMD to review USA Waste vehicle maintenance records upon discretion of agency.
AQ-8	Heavy construction equipment shall use low sulfur fuel (<0.05 percent by weight) and shall be properly tuned and maintained to reduce emissions.	SCAQMD	USA Waste to specify sulfur content conditions in contracts for fuel, and maintain contracts on file. SCAQMD to review files upon agency discretion.
AQ-9	Construction equipment shall be fitted with the most modern emission control devices.	SCAQMD	USA Waste to keep records documenting onsite vehicle compliance. SCAQMD to review records upon agency discretion.
AQ-10	The project shall comply with SCAQMD Rule 461 which establishes requirements for vapor control from the transfer of fuel from the fuel truck to vehicles.	SCAQMD	USA Waste to keep records documenting compliance. SCAQMD to review records upon agency discretion.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
AQ-11	<p>Prior to construction and construction/operation activities, the following premonitoring measures shall be implemented to avoid or lessen boundary concentrations of NO<sub>2</sub>:</p> <ul style="list-style-type: none"> <li>• Normal landfill operations and cell construction/closure activities shall be preplanned to avoid potentially adverse alignments (both horizontally and vertically) during anticipated periods of meteorological conditions which could result in the greatest property boundary concentration.</li> <li>• During periods when both disposal and construction activities are occurring, downwind property line monitoring of NO<sub>2</sub> shall be implemented for wind and stability conditions which could result in the highest boundary concentrations.</li> </ul> <p>During construction and construction/operation activities, the following postmonitoring measures shall be implemented to avoid or lessen boundary concentrations of NO<sub>2</sub>:</p> <ul style="list-style-type: none"> <li>• If monitoring determines that the 1-hour NO<sub>2</sub> standard (i.e., 470 µg/m<sup>3</sup>) is being approached (i.e., within 95 percent of the standard or approximately 450 µg /m<sup>3</sup>), construction or cell closure activities shall be curtailed until the appropriate tiered mitigation measures can be implemented, or until adverse meteorological conditions no longer exist.</li> <li>• The waste placement and/or clay preparation areas shall be moved to a preplanned alternative working location to separate emissions from clay placement construction emissions.</li> <li>• Construction procedures shall be configured such that operations requiring heavy equipment do not occur simultaneously (e.g., clay placement and protective soil placement by scrapers will not be done during periods with adverse meteorological conditions).</li> <li>• Construction scheduling will be slowed to reduce</li> </ul>	LEA, SCAQMD	<p>LEA and SCAQMD to review inspection reports prepared by USA Waste upon agency discretion.</p> <p>LEA and SCAQMD to conduct onsite inspection during construction and through landfill operation upon agency discretion.</p>

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
AQ-12	<p>daily equipment usage.</p> <ul style="list-style-type: none"> <li>Hours of construction with designated pieces of equipment (e.g., scrapers) shall be constrained to occur outside of peak adverse meteorological conditions.</li> </ul> <p>Within three years of start date [July 1, 2001], USA Waste or its successor-in-interest shall submit to the County of Riverside an evaluation of the technological and economical feasibility of using natural gas fuel or other alternative fuel in transfer trucks. The technological feasibility of the evaluation shall include review comments by the South Coast Air Quality Management District. The evaluation shall be subject to County approval. If the County finds that natural gas fuel or other alternative fuel in transfer trucks is technologically and economically feasible, USA Waste or its successor-in-interest shall develop and implement a program to phase-in transfer trucks capable of using these fuels. The program shall be subject to County approval. If the County concludes that transfer trucks capable of using alternative fuels are not technologically and economically feasible, USA Waste or its successor-in-interest shall periodically reevaluate the feasibility of using alternative fuels in transfer trucks. Such reevaluations shall be at least every three (3) years. USA Waste or its successor-in-interest shall, however, conduct such a reevaluation anytime deemed appropriate by County.</p>	RCWMD	<p>The feasibility studies of alternative fuels for transfer trucks to be submitted by USA Waste to RCWMD in accordance with the schedule included in this measure.</p> <p>Alternative fueled transfer trucks to be phased-in by USA Waste upon a determination that they are technologically and economically feasible.</p>
AQ-13	<p>The project shall provide the required emission reductions of NO<sub>x</sub> and ROG sufficient to cause no net increase of project emissions.</p>	SCAQMD, RCWMD	<p>Prior to the fourth quarter of each calendar year, USA Waste will estimate maximum project emission rates of NO<sub>x</sub> and ROG for the upcoming calendar year. USA Waste will also adjust the emission estimates for SCAQMD Priority Reserve emission reduction credits (ERCs) and baseline emission rates at the currently permitted waste disposal rate of 4,000 tons per day.</p> <p>USA Waste will provide written proof of acquisition of NO<sub>x</sub> and ROG ERCs in a quantity at least equal</p>

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
AQ-14	USA Waste shall amend its Policies and Procedures Manual at the landfill to require that heavy construction and operating equipment at the landfill shall not idle for longer than 15 minutes.	RCWMD	<p>to the difference between the adjusted emission rates (see above) and the SCAQMD emission rate thresholds for facility operations.</p> <p>The information described above will be incorporated as part of the Annual Mitigation Monitoring Program Status Report and provided to the SCAQMD and RCWMD at least 90 days prior to the start of each calendar year.</p> <p>USA Waste to keep records documenting compliance. SCAQMD and RCWMD to review records upon agency discretion.</p> <p>USA Waste to keep records documenting compliance. RCWMD to review records upon its discretion.</p>
<b>Biological Resources</b>			
B-1	Development shall be phased so that the area to be disturbed shall be minimized. Restoration of previously disturbed areas shall be performed in accordance with the <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement, both dated July 2001, and any approved modifications or amendments thereto.	USFWS, CDFG, ACOE, RWQCB, RCWMD	Ongoing monitoring and reporting to be conducted in accordance with the approved <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement through landfill operation and postclosure monitoring period.
B-2	Areas within the landfill limits of disturbance shall be restored with Riverside sage scrub in accordance with the <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement, both dated July 2001, and any approved modifications or amendments thereto.	USFWS, CDFG, ACOE, RWQCB, RCWMD	Ongoing monitoring and reporting to be conducted in accordance with the approved <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement through landfill operation and postclosure monitoring period.
B-3	Dudleya salvaging and restoration shall be performed in accordance with the <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement, both dated July 2001, and any approved modifications or amendments thereto.	USFWS, CDFG, ACOE, RWQCB, RCWMD	Ongoing monitoring and reporting to be conducted in accordance with the approved <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement through landfill operation and postclosure monitoring period.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
B-4	<p>Prior to disturbance to wetland/riparian areas, a wetland compensation and mitigation plan shall be developed in consultation with the ACOE, if a 404 Permit is required, the CDFG, pursuant to Section 1603 of the California Fish and Game Code, the RWQCB, pursuant to 401 Water Quality requirements and/or policies to protect wetlands, and the USFWS, if consultation is triggered pursuant to Section 7 of the Endangered Species Act. Mitigation of riparian habitats shall be targeted at a 3:1 ratio with compensation of 6.36 acres. Target mitigation of an additional 1.28 acres of riparian herb vegetation shall be at a 1:1 ratio. Final determination of mitigation ratios shall be made subsequent to onsite evaluation by the ACOE, CDFG, RWQCB, and/or USFWS and shall not be unreasonable or arbitrary.</p> <p>Activities to mitigate the disturbance to wetlands may include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Identification and assessment of sites and specific riparian mitigation measures along Temescal Wash.</li> <li>• Enhancement of degraded areas within existing channels.</li> <li>• Weed removal to improve existing riparian habitat.</li> <li>• Potential purchase of offsite riparian habitat.</li> </ul>	<p>USFWS, CDFG, ACOE, RWQCB, RCWMD</p>	<p>The wetland compensation and mitigation plan to be developed in consultation with the USFWS and CDFG. The final determination of wetland mitigation ratios to be made by the USFWS, ACOE, and CDFG.</p> <p>Ongoing monitoring and reporting to be conducted in accordance with the approved wetland compensation and mitigation plan through landfill operation and post-closure monitoring period.</p>
B-5	<p>Activities to mitigate the disturbance to wetlands may include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Identification and assessment of sites and specific riparian mitigation measures along Temescal Wash.</li> <li>• Enhancement of degraded areas within existing channels.</li> <li>• Weed removal to improve existing riparian habitat.</li> <li>• Potential purchase of offsite riparian habitat.</li> </ul>	<p>USFWS, CDFG, ACOE, RWQCB, RCWMD</p>	<p>The wetland compensation and mitigation plan to be developed in consultation with the USFWS and CDFG. The final determination of wetland mitigation ratios to be made by the USFWS, ACOE, and CDFG.</p> <p>Ongoing monitoring and reporting to be conducted in accordance with the approved wetland compensation and mitigation plan through landfill operation and post-closure monitoring period.</p>
B-6	<p>The purchase of offsite riparian/wetland habitat shall be incorporated into the mitigation plan in the event that the ACOE Section 404 permit and CDFG Section 1603 agreement process conclude that onsite enhancement and offsite mitigation along Temescal Wash could not provide sufficient compensation for disturbance to onsite riparian habitat. If this mitigation were implemented, surveys shall be conducted in coordination with USFWS and CDFG to identify offsite riparian habitat that would be suitable for purchase as mitigation for onsite habitat disturbance. Considerations shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• Proximity to landfill site.</li> <li>• Similarity of adjacent habitat.</li> </ul>	<p>USFWS, CDFG, ACOE</p>	<p>The wetland compensation and mitigation plan to be developed in consultation with the USFWS, CDFG, and ACOE.</p> <p>The purchase of offsite riparian/wetland habitat, if such purchase is required, to be incorporated into the wetlands compensation and mitigation plan developed in consultation with the USFWS, CDFG, and ACOE.</p>



Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
B-7	<ul style="list-style-type: none"> <li>• Management plans.</li> <li>• Comparability.</li> <li>• Sustainability.</li> <li>• Cost.</li> </ul> <p>Wetland/riparian habitat mitigation shall be implemented in accordance with all permits, approvals, and/or agreements as may be required by ACOE, CDFG, RWQCB, and/or USFWS.</p>	ACOE, CDFG, RQOCB, USFWS	Ongoing monitoring and reporting to be conducted in accordance with the approved wetland compensation and mitigation plan through landfill operation and postclosure monitoring period.
B-8	Landfill personnel shall be instructed as to the requirement for and importance of restoration of completed areas of the site.	USFWS, CDFG	USA Waste to instruct personnel and to provide copy of training materials to the USFWS and CDFG prior to closure of the initial phase of the expanded landfill.
B-9	Approximately 406 acres of undisturbed open space, upon which a Declaration of Conservation Covenants and Restrictions has been recorded in favor of CDFG and USFWS, shall be maintained and managed for the benefit of Covered Species, pursuant to federal and state incidental take permits and the <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement, both dated July 2001, and any approved modifications or amendments thereto.	RCWMD	Ongoing monitoring and reporting to be conducted in accordance with the approved <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement through landfill operation and postclosure monitoring period.
B-10	Pursuant to Section 5 of the Agreement, USA Waste or its successor-in-interest shall pay the County a per ton charge for the deposit of Non-County waste at El Sobrante Landfill, \$1.50 of which shall be utilized for multi-species habitat acquisition and management, including planning and research activities, as provided in Section 10.7 of the Agreement and as approved by the Board of Supervisors on September 1, 1998. Monies to be utilized for multi-species purposes shall be deposited in a trust fund administered by the Executive Officer of the County.	RCWMD	Landfill scales to be operated by RCWMD ongoing through the operation of the landfill.  RCWMD to collect \$1.50/ton and disburse funds to appropriate agencies, ongoing through the operation of the landfill.
B-11	In the unlikely event that out-of-County waste ceases to be disposed of at El Sobrante, use of the 60 million tons of air space currently allocated for out-of-County waste shall include the requirement for payment of \$1.00 per ton for multispecies habitat acquisition and management.	RCWMD	Landfill scales to be operated by RCWMD ongoing through the operation of the landfill.  RCWMD to collect \$1.00/ton for in-County waste in the event that out-of-County waste ceases to be disposed of at the landfill, and disburse funds to appropriate agencies, ongoing through the operation of the landfill.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
B-12	Lighting at the working face shall be downcast and shielded to minimize reflection, and shall be directed inward toward the landfill.	RCWMD	RCWMD to conduct inspections at their discretion. of the landfill.
B-13	A predator monitoring and control plan shall be implemented in accordance with the <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement, both dated July 2001, and any approved modifications or amendments thereto.	USFWS, CDFG	Ongoing monitoring and reporting to be conducted in accordance with the approved <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement through landfill operation and postclosure monitoring period.
B-14	Brush clearing and habitat removal in each phase of landfill expansion will not be allowed to occur between February 1 and August 15, pursuant to the <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement, both dated July 2001, and any approved modifications or amendments thereto.	USFWS, CDFG	USFWS and CDFG to review landfill development phasing plans prior to construction of each phase.  USFWS and CDFG to monitor landfill site habitat and landfill development per discretion of the respective agencies.
B-15	When the landfill expansion is complete (i.e., after closure of all phases and at the end of the postclosure monitoring maintenance period [currently a minimum of 30 years]), including all restoration activities in accordance with the <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement, both dated July 2001, and any approved modifications or amendments thereto.	RCWMD	Ongoing monitoring and reporting to be conducted in accordance with the approved <i>Multiple Species Habitat Conservation Plan for the El Sobrante Landfill</i> and its Implementing Agreement through landfill operation and postclosure monitoring period.
B-16	USA Waste or its successor-in-interest shall continue to include the County in all aspects of future permitting processes involving USFWS, pursuant to Section 7 of the Endangered Species Act, CDFG, pursuant to Section 1603	RCWMD	Upon the request of the County, USA Waste will cooperate in discussions with the USFWS regarding the development of an agreement that allows a portion of the multispecies mitigation monies to be

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
	of the California Fish and Game Code, ACOE 404 permitting, and RWQCB, pursuant to 401 Water Quality requirements and/or policies to protect wetlands.		used for research and planning.
<b>Cultural Resources</b>			
C-1	Prior to grading, a Society of Professional Archaeologists (SOPA)-certified archaeologist(s) shall be retained, at the expense of the project, to provide surface collection, mapping, and test excavations for identified archaeological sites. If the sites are determined to be important, the resources within these sites shall be either preserved or a data recovery excavation shall be conducted.	RCPD	RCPD to determine appropriate action based on archaeologist's findings during each landfill expansion phase.
C-2	In the event that additional archaeological sites are uncovered during initial grading, work shall be redirected and an archaeologist shall be retained at the expense of the project, to evaluate the importance of the site and, if necessary, shall develop and implement an appropriate data recovery program. The archaeologist shall be allowed to redirect grading in the area of exposed resources until inspection, evaluation, and recovery activities are completed.	RCPD	RCPD to review reports submitted by the approved archaeologist upon discovery of additional resource sites.  RCPD to approve commencement of grading activities upon completion of resource evaluation/recovery.
C-3	Routine road or stormwater facilities, maintenance or other land-altering activities in the vicinity of sites shall be monitored by a SOPA-certified archaeologist to prevent inadvertent disturbance or loss of important resources.	RCPD	RCPD to review semiannual monitoring reports submitted by the approved archaeologist.  RCPD to determine appropriate action based on archaeologist's findings during each landfill expansion phase.
C-4	The status of the sites shall be monitored on a semi-yearly basis to assure that incidental disturbance or recreational collection of resources has not occurred.	RCPD	RCPD to review semiannual monitoring reports submitted by the approved archaeologist.  RCPD to determine appropriate action based on archaeologist's findings during each landfill expansion phase.
C-5	Archaeological materials recovered during surface collections, subsurface excavations, and monitoring shall be curated in perpetuity at a regional repository approved by the County. Expenses for curation shall be borne by	RCPD	RCPD to approve regional repository prior to surface collections of cultural resources.  RCPD to review semiannual monitoring reports

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
	the project.		submitted by the approved archaeologist.
C-6	While the archaeological sites that will be affected by the proposed project are not expected to include human remains or burial artifacts, should such items be discovered during subsurface testing or data recovery, or if such items are discovered at unknown sites during construction or operation of the proposed action, project-related earthmoving activities shall be redirected away from the area. A SOPA-certified archaeologist shall consult with the County and representatives of local Native American groups regarding removal and re-interment.	RCPD	RCPD to maintain inventory list of materials curated from the site, upon initial surface collection and upon discovery of any additional resource sites. RCPD to review semiannual monitoring reports submitted by the approved archaeologist. Archaeologist to notify RCPD upon finding human remains or burial artifacts. RCPD to consult with Native American Groups and determine appropriate action upon discovery of human remains or burial artifacts.
C-7	The approved archaeological mitigation measures shall be affixed to all copies of the project grading plans.	RCBSD	RCBSD to attach measures upon approval of grading plans and prior to issuance of grading permits.
<b>Geology, Soils and Seismicity</b>			
G-1	The landfill and associated structures shall be designed and constructed to withstand the expected ground motions and potential effects of seismic ground shaking.	RCBSD, LEA, RWQCB, CIWMB	Building plans to be reviewed and approved at the discretion of RCBSD prior to issuance of grading permits (building permits for structure). Building to be inspected at the discretion of the RCBSD prior to occupancy certification. Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase. Landfill to be inspected at the discretion of the LEA and RWQCB prior to initiation of operations of the landfill expansion and through the life of the expansion.
G-2	Final exterior waste fill slopes shall not be steeper than 1.75:1 with a minimum of one 15-foot wide bench for every 50-feet of vertical height.	LEA, RWQCB, CIWMB	Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
G-3	A slope or foundation stability report shall be prepared by a registered civil engineer or certified engineering geologist. The report must indicate at least a 1.5 factor of safety for the critical slope under dynamic conditions, or appropriate factor of safety in accordance with applicable regulations.	LEA, RWQCB, CIWMB	Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion. Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase. Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.
G-4	In lieu of achieving a 1.5 factor of safety under dynamic conditions, a more rigorous analytical method that provides a quantified estimate of the magnitude of movement may be employed.	LEA, RWQCB, CIWMB	Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.
G-5	Significant slopes (including cut, fill, and waste prism slopes greater than 20 feet high and steeper than 3:1) shall be designed to comply with RWQCB and CIWMB requirements for the identified maximum probable earthquake peak acceleration.	LEA, RWQCB, CIWMB	Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion. Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.
G-6	RWQCB and CIWMB requirements shall be complied with, and the final cover surface slopes shall be limited to 3:1, based on seismic considerations, with intermediate fill stage heights limited to 70 feet, with 15-foot wide benches to improve stability, unless subsequent analyses verify the acceptability of steeper slopes or greater fill heights. Under no circumstance, however, shall the final exterior waste fill slope be steeper than 1.75:1 (see G-2 above).	LEA, RWQCB, CIWMB	Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.
G-7	Slope buttresses shall be provided, if necessary, to increase slope stability and reduce deformations.	LEA, RWQCB, CIWMB	Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.
G-8	Parameters developed by geosynthetic and geotechnical testing shall be included in the analysis of liner systems on side slopes. Residual strength values (i.e., after shearing)	LEA, RWQCB, CIWMB	Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion. Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
G-9	<p>shall be used, unless control of peak strengths can be demonstrated.</p> <p>A post-earthquake inspection plan shall be submitted to the RWQCB and CIWMB, for approval which provides for detailed site inspection after an earthquake of magnitude (M) 5.0 or greater within 25 miles of the site to determine the integrity of landfill structures and systems. The plan shall identify appropriate measures which may be initiated to correct earthquake-related damage. Also, a routine inspection plan shall be developed and implemented by a registered certified engineer to examine slope conditions.</p>	LEA, RWQCB, CIWMB	<p>Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.</p> <p>The LEA and RWQCB to review and approve plan for the landfill prior to issuance of the SWFP.</p> <p>Routine inspections to be conducted by a registered engineer or registered geologist in accordance with the approved plan.</p>
G-10	<p>If geotechnical investigations reveal the need for blasting for a specific landfill phase, a blasting study shall be conducted in compliance with County requirements. If such a study is necessary, it shall be conducted by a licensed engineer and submitted to the County Engineering Geologist for approval.</p>	RCPD	<p>County Engineering Geologist (RCPD) to determine potential necessity for blasting study prior to approval of each landfill expansion phase.</p>
G-11	<p>If isolated saturated bedrock conditions are encountered in cut slopes, appropriate drainage systems shall be installed. These systems could consist of weep systems, subdrain systems, or the flattening of excavated cut slopes to improve slope stability.</p>	LEA, RWQCB, CIWMB	<p>Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.</p> <p>Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.</p>
G-12	<p>Landfill liners shall be placed over the side slopes, and surface water runoff control systems (e.g., V-ditches at the top of slopes) shall be constructed to prevent uncontrolled flow down the face of the slopes.</p>	LEA, RWQCB, CIWMB	<p>Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.</p> <p>Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.</p>
G-13	<p>Structural fills shall be built above ground water and compacted in place to a specific high relative density.</p>	LEA, RWQCB, CIWMB	<p>Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.</p>
G-14	<p>Expansive index testing shall be performed to verify the</p>	LEA, RWQCB,	<p>Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.</p> <p>Landfill design to be reviewed at the discretion of the</p>

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
	suitability of native soils for fill materials. If testing indicates a potential for high expansiveness in the soil, such soils shall be either treated (e.g, mixed with non-expansive soils) or removed.	CIWMB	LEA, RWQCB, and CIWMB prior to construction of each phase.  Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.
G-15	Blasting shall be conducted in compliance with local building code requirements to prevent damage to structures and new construction from seismic waves generated during blasting.	RCPD	County Engineering Geologist (RCPD) to approve independent, qualified consultant to monitor blasting operation prior to construction of each landfill phase which will involve blasting.
G-16	Only state-licensed blasters shall be used to design, supervise, and detonate explosives on the site.	RCPD	County Engineering Geologist (RCPD) to verify state-licensing of contractor prior to each blasting operation.
G-17	Seismic monitoring of each blast shall be conducted by an independent, qualified consultant.	RCPD	County Engineering Geologist (RCPD) to approve monitoring consultant prior to each construction phase requiring blasting.
G-18	There shall be no onsite storage of explosives. Explosives shall be transported to the site by the licensed blaster on an as-needed basis.	RCPD	Consultant to provide information to the RCPD upon request during construction phases requiring blasting.  County Engineering Geologist (RCPD) to monitor blasting operations and verify that there is no onsite storage of explosives through each construction phase and ongoing operation of the landfill.
G-19	USA Waste shall inform the Riverside County Sheriffs Department (Sheriffs Dept.) and the Riverside County Fire Department (Fire Dept.) prior to blasting.	RCPD	County Engineering Geologist (RCPD) to confirm notification of Sheriff's and Fire Departments prior to each construction phase involving blasting.
G-20	USA Waste shall notify neighbors within 1,000 feet of potential blasting areas prior to a blasting episode.	RCPD	County Engineering Geologist (RCPD) to receive copies of notifications and copy of distribution list from USA Waste prior to each blasting operation.
G-21	A record of each blast shall be retained for at least three years and shall be submitted to the County Building and Safety Department as requested by the Building and Safety Director.	RCBSD	Upon completion of each blasting phase, state-licensed blaster to provide reports to USA Waste for record maintenance.  USA Waste to provide copies of blasting records to the RCBSD upon request.
G-22	Preblast inspections shall be made by a civil engineer licensed by the State of California of residences and facilities existing at the time of landfill permit approval	RCPD	County Engineering Geologist (RCPD) to review inspection report prior to initial blasting operation.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
G-23	<p>and located within 1,000 feet of potential blasting areas.</p> <p>A letter containing a general description of the blasting operations and precautions, including the blast-warming whistle signals that are required by the State of California Construction Safety orders, shall be sent to residents within a one-half mile radius of the landfill operations by USA Waste in accordance with applicable regulations.</p>	RCPD	County Engineering Geologist (RCPD) to review and approve letter and distribution prior to initial blasting operation.
G-24	<p>Blasting complaints, if any, shall be recorded by USA Waste as to complainant, address, data, time, nature of the complaint, name of the person receiving the complaint, and the complaint investigation conducted. Complaint records shall be made available to the County Engineering Geologist, Planning Department, and Building and Safety Department.</p>	RCPD, RCBSD, LEA	County Engineering Geologist, RCPD, RCBSD, and LEA to review complaints upon discretion of each respective department.
<b>Land Use and Land Use Plans</b>			
L-1	<p>The development of El Sobrante Landfill Expansion shall be in accordance with the mandatory requirements of all applicable County ordinances and shall conform substantially with the project description in the EIR (State Clearinghouse No. 90020076), as filed in the office of the RCWMD.</p>	RCWMD, RCPD	The plans for the development of the landfill are to be reviewed and approved by RCWMD and RCPD to assure compliance with applicable County ordinances.
L-2	<p>Prior to any offsite grading, USA Waste or its successor-in-interest shall obtain and record appropriate offsite easements.</p>	RCWMD	Recorded easements for offsite areas to be provided to RCWMD prior to grading for each area.
L-3	<p>A Citizen Oversight Committee shall be formed by the Board of Supervisors upon approval of the project. The Citizen Oversight Committee shall be composed of a total of five (5) members, whose term of service will be established upon formation of the committee. Three (3) of the five (5) members will be appointed by the Supervisor of the district in which the landfill is located. Of these three (3), two (2) members must reside within a three (3) mile radius of the landfill property. One (1) member shall be a representative from a corporate operation within a three (3) mile radius of the landfill property. The remaining two (2) members will be appointed by the entire Board of Supervisors and shall be chosen at large to</p>	County Board of Supervisors	<p>The Citizen Oversight Committee to be established by the Board of Supervisors.</p> <p>The Citizen Oversight Committee to meet at least once annually.</p>



Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
L-4	represent the affected communities of interest. The Citizen Oversight Committee shall meet at least once annually to review the Annual Status Reports that will be submitted by an Administrative Review Committee which will include all reports and data that will be provided by USA Waste or its successor-in-interest and shall submit written comments on the project to the Board of Supervisors as they deem necessary.	County Board of Supervisors	The Citizen Oversight Committee to be established by the Board of Supervisors.  The Citizen Oversight Committee to meet at least once annually.
<b>Noise</b>			
N-1	Excavation and liner construction of new landfill cells shall be limited to the hours of <del>8:00 a.m. to 5:00 p.m.; Monday through Saturday, 7:00 a.m. to 10:00 p.m., Monday through Saturday, with the following restrictions:</del> a) the conveyor belt system shall not be located less than 295 feet from occupied residences; and b) excavation and liner construction of new cells within 10 feet of the top of slope will be limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Saturday.	LEA	USA Waste to provide operating plans to the LEA prior to excavation and linear construction of new landfill cells.  LEA to monitor construction operations at its discretion throughout the excavation and construction of the liner.
N-2	Landfill equipment working on the outside slopes of the landfill shall be limited to the hours of 8:00 a.m. to 5:00 p.m.	LEA	USA Waste to provide operating plans to the LEA prior to excavation and linear construction of new landfill cells.  LEA to monitor construction operations at its discretion throughout the excavation and construction of the liner.
N-3	Construction equipment shall use industrial-grade mufflers to reduce noise emission.	LEA	USA Waste to keep records documenting onsite vehicle compliance. LEA to review records upon agency discretion.
N-4	Blasting shall be postponed during temperature inversions and unfavorable wind conditions (wind blowing toward residences).	RCPD	LEA to inspect vehicles upon agency discretion. Licensed blasting contractor to monitor climatic conditions and postpone blasting in adverse conditions. As appropriate, contractor shall document climatic conditions in blast records to be maintained by USA Waste.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
N-5	Drilling and blasting shall be conducted between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, and will not occur on federal, state, and local holidays.	RCPD	County Engineering Geologist (RCPD) to coordinate with blasting contractor to assure suspension of blasting during unfavorable conditions. County Engineering Geologist (RCPD) to respond to noise complaints, if any, during construction of each landfill expansion phase requiring blasting.
N-6	Acoustic blankets shall be used around drilling operations to reduce potential drilling noise.	RCPD	County Engineering Geologist (RCPD) to monitor operations during construction of each landfill expansion phase requiring blasting.
N-7	Wherever feasible, temporary earthen or landscape berms, or other structures or measures, shall be utilized to reduce potential noise impacts on surrounding homeowners from nighttime activities at the working face of El Sobrante. Any measures implemented for this purpose shall be subject to annual review by the Citizen Oversight Committee.	LEA	USA Waste to keep records of measure implemented to reduce potential nighttime noise impacts to surrounding homeowners.  LEA to inspect the landfill at its discretion and respond to noise complaints, if any.
<b>Paleontological Resources</b>			
P-1	A qualified paleontologist shall be retained, at the expense of the project, to monitor ongoing grading or other extensive activities in the Silverado Canyon and Lake Mathews formations. The monitoring program shall reflect the County's intent to research, recover, and preserve significant paleontological resources.	RCPD	RCPD to review and approve monitoring program submitted by paleontologist prior to issuance of grading permits.
P-2	In the event that significant paleontological resources are uncovered during excavation, earthmoving and/or grading, work shall be redirected from the area until an appropriate data recovery program can be developed and implemented.	RCPD	RCPD to be notified of discovery (by paleontologist) and enforce direction of grading activity, as necessary, through each phase of landfill construction.
P-3	Recovered fossils shall be cleaned, cataloged, and identified to the lowest taxon possible. A report containing monitoring results, including an itemized list of fossils, shall be submitted to the County. A copy shall accompany the fossils to an appropriate repository.	RCPD	RCPD to maintain copies of fossil inventory to be prepared and submitted by the approved paleontologist in accordance with the approved monitoring plan.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
P-4	Collected fossils shall be curated at a public institution with an educational/research interest in the material. The expenses shall be borne by the project.	RCPD	RCPD to approve repository upon collection of fossils during initial construction phase.  RCPD to verify submittal of monitoring results and fossil inventory to the repository upon completion of initial construction phase and subsequent phases.
P-5	The approved paleontologic mitigation measures shall be affixed to all copies of the project grading plans.	RCBSD	RCBSD to attach measures upon approval of grading plans and prior to issuance of grading permits.
<b>Traffic and Circulation</b>			
T-1	Out-of-County waste from Los Angeles County, Orange County, San Bernardino County, and San Diego County shall be transported to El Sobrante by transfer trucks.	RCWMD, LEA	RCWMD and LEA to monitor out-of-County waste receipt at landfill scales.
T-2	Transportation of out-of-County waste from areas other than Los Angeles County, Orange County, San Bernardino County, and San Diego County shall not be permitted without additional environmental review and approval.	RCWMD, LEA	RCWMD and LEA to monitor out-of-County waste receipt at landfill scales.
T-3	Transfer trucks hauling waste from out-of-County to El Sobrante that use State Route (SR) 91 shall travel to and from the landfill during off-peak hours for SR 91.	RCWMD, RCTD	USA Waste to provide truck routing and scheduling information to RCWMD and RCTD.
T-4	Vehicles delivering waste from out-of-County to be disposed at El Sobrante shall utilize on all trips (both inbound and outbound) only that portion of Temescal Canyon Road between its intersection with 1-15 and the landfill access road, except in the event of a closure of the on- and/or offramps at Temescal Canyon Road and 1-15.	RCWMD, RCTD	USA Waste to provide truck routing and scheduling information to RCWMD and RCTD.
T-5	Except for vehicles collecting waste in the immediate vicinity of El Sobrante, USA Waste's or successor's-interest collection vehicles delivering waste from in-County to be disposed at El Sobrante shall utilize only that portion of Temescal Canyon Road between its intersection with 1-15 and the landfill access road for all trips (both inbound and outbound), except in the event of a closure of the on-and/or off-ramps at Temescal Canyon Road and 1-15.	RCWMD, RCTD	USA Waste to provide truck routing and scheduling information to RCWMD and RCTD.
<b>Public Services and Utilities</b>			
U-1	Access roads/streets shall be wide enough to	RCTD	RCTD to approve road improvement plans and

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
	accommodate movement and parking without hindering the flow of traffic. Roadway modifications shall be designed to provide smooth and orderly traffic flow and shall be well lighted.		inspect completed improvements prior to construction of the initial landfill expansion phase.
U-2	Warning or caution signs shall be placed on Temescal Canyon Road and the El Sobrante access road to indicate the presence of slow-moving traffic/trucks.	RCTD	RCTD to review and approve proposed traffic control devices prior to construction of the initial landfill expansion phase.  RCTD to inspect devices upon installation.
U-3	Upon assignment of a numbered street address by the County, the project entrance shall be clearly marked with address numbers.	RCTD	RCTD to inspect address numbers prior to construction of the initial landfill expansion phase.
U-4	Buildings shall be constructed with fire retardant roofing material as approved by the County Fire Department.	RCBSD	Building plans to be reviewed and approved by the RCBSD prior to issuance of building permits.
U-5	Water mains and fire hydrants providing required fire flows shall be constructed subject to approval by the County Fire Department.	RCFD	RCBSD to inspect buildings upon completion. RCFD to review and approve water system plans prior to issuance of building permits.
U-6	Prior to approval of any development plan for lands adjacent to open space areas, a fire protection/revegetation management plan shall be submitted to the Riverside County Fire Department for review and comment.	RCFD	RCFD to review And approve protection/revegetation plan prior to the construction of each phase.
U-7	Landfill equipment operators, waste transfer vehicle drivers, and landfill personnel assigned to nighttime operations shall have appropriate training for night operation of heavy equipment.	LEA	USA Waste to maintain records and provide verification of appropriate employee training to LEA upon request.
U-8	Portable lights shall be used at the working face to provide a safe working environment during nighttime operations.	LEA	The LEA to inspect the site at their discretion.
U-9	The landfill access road and onsite roads to the working face shall be equipped with reflectors, reflective cones, reflective barriers and signs.	LEA	LEA to review and approve proposed traffic control devices prior to construction of the initial landfill expansion phase.  LEA to inspect devices upon installation and throughout operation of landfill per agency discretion.
U-10	Public access to the landfill shall be restricted to the hours	LEA	LEA to inspect site records at its discretion to assure

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
U-11	of 6:00 a.m. to 6:00 p.m. Installation of low flow toilets, faucets, and showers.	RCBSD	hours of operation are enforced. RCBSD to review and approve building and facility plans prior to issuance of building permits.
U-12	Wastewater shall go to the Lee Lake Treatment Facility, which makes water available for reuse.	RCWMD, RCEHA	RCBSD to inspect buildings upon completion. RCWMD and RCEHA to review and approve wastewater system plans prior to construction of the initial phase of the expansion.
<b>Water Resources</b>			
W-1	Drainage structures, such as the perimeter drainage channels, sedimentation basins, leachate evaporation ponds, stormwater retention basins, and collection pipes and ditches, shall be inspected and maintained on a regular basis.	RCFCD, RWQCB, LEA	Improvements to be inspected upon construction and ongoing through the life of the expansion at the discretion of RCFCD, LEA, and RWQCB.
W-2	Regular monitoring (and possibly testing) of perimeter drainage channels and retention ponds shall be completed to assure that discharged stormwater does not contain contaminants from the landfill.	RCFCD, RWQCB	RCFCD and RWQCB to review USA Waste records and conduct monitoring and/or testing per discretion of their respective jurisdictions.
W-3	A Stormwater Pollution Prevention Plan (SWPPP) shall be prepared. It shall include a Spill Prevention and Response Plan and a monitoring plan. The facility shall implement "best management practices" as required by NPDES.	RWQCB	SWPPP to be reviewed and approved by RWQCB prior to issuance of the SWFP.
W-4	Leachate shall be collected by the leachate collection and removal system (LCRS) installed at the base of each landfill cell. Such leachate shall be sampled regularly and, if necessary, treated prior to use for dust control on lined areas of the landfill.	LEA, RWQCB, CIWMB	Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase. Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.
W-5	Stormwater runoff that falls on the active working face of the landfill shall be diverted to a collection sump and reused for dust control on lined areas of the landfill. The sump for stormwater runoff from the active working face shall be designed to hold the runoff from the 100-year, 24-hour storm.	LEA, RWQCB, CIWMB	Landfill design to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase. Landfill to be inspected at the discretion of the LEA and RWQCB through the life of the expansion.
W-6	Drainage improvements shall be designed and constructed to provide all-weather access to the landfill.	RCTD, RCFCD	RCTD and RCFCD to review drainage improvement plan for landfill access prior to construction of such

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
W-7	<p>To reduce the quantity of water used, the following measures shall be implemented:</p> <ul style="list-style-type: none"> <li>• Low-flow plumbing fixtures shall be installed for onsite facilities.</li> <li>• Washwater for cleaning equipment at the operations and maintenance center shall be collected and recycled, and reused for washing or dust control.</li> <li>• Stormwater that falls on the active working face of the landfill shall be collected and used for dust control.</li> </ul>	RCBSD	<p>improvements. RCBSD to review building plans (and washing facility plans) at its discretion prior to issuance of building permits.  RCBSD to inspect facilities at its discretion upon construction.</p>
W-8	<p>The liner system for the expansion of El Sobrante shall meet the following requirements:</p> <ul style="list-style-type: none"> <li>• The liner system (inclusive of the bottom liner and the sideslope liner) of the landfill shall exceed the requirements of Subtitle D and California Code of Regulations (CCR) Title 27 and shall be composed of the alternative bottom liner (identified as Alternative Bottom Liner B2) and the alternative sideslope liner (identified as Sideslope Liner Alternative S2), which are both described and evaluated in Evaluation of Liner System Alternatives, El Sobrante Landfill Expansion, Riverside County, California, prepared by GeoSyntec Consultants and dated February 1998.</li> <li>• If it is determined that this liner system will not meet the requirements of the regulatory agencies, a substitute liner system must be approved by the regulatory agencies, and evidence of such a determination shall be forwarded to the El Sobrante Landfill Administrative Review Committee of Riverside County. In this event, the substitute liner system shall be composed of a bottom liner and a sideslope liner that are at least equal to Alternative Bottom Liner B2 and Sideslope Liner Alternative S2, respectively, and must be approved by the Administrative Review Committee.</li> </ul>	LEA, RWQCB, CIWMB	<p>Linear design of each expansion phase to be reviewed at the discretion of the LEA, RWQCB, and CIWMB prior to construction of each phase.  Liners to be inspected at the discretion of RWQCB upon installation and prior to receiving waste for each expansion phase.</p>

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
W-9	Landfill gas collectors shall be placed as compacted lifts of waste are finished. Once sufficient waste has been placed above the collectors to prevent air intrusion, the collectors shall be used for active landfill gas extraction.	LEA, RWQCB, CIWMB, SCAQMD	Landfill gas collection system to be reviewed at the discretion of the LEA, RWQCB, CIWMB, and SCAQMD prior to construction of each phase.  LEA, RWQCB, and SCAQMD to review landfill gas monitoring reports (provided by USA Waste) and inspect systems. Report review to be conducted periodically and inspections upon agency discretion.
W-10	The final cover of the landfill shall conform to Subtitle D and CCR Title 27, and shall consist of a minimum of four (4) feet of vegetative layer in accordance with the augmented cover described in the EIR (State Clearinghouse No. 90020076). Any change from the augmented cover shall require clearance from the RCWMD, the California Integrated Waste Management Board (CIWMB), Regional Water Quality Control Board (RWQCB), the U.S. Fish and Wildlife Service (USFWS), and the California Department of Fish and Game (CDFG).	LEA, RWQCB	Cover system to be reviewed at the discretion of the LEA and RWQCB prior to closure of each phase.  Cover to be inspected at the discretion of the RWQCB upon installation.
W-11	In accordance with applicable regulations, landfill gas shall be monitored at the landfill perimeter and in the vadose zone.	LEA, RWQCB, SCAQMD	Monitoring reports to be submitted to and reviewed by the LEA, RWQCB, and SCAQMD ongoing through operation of the landfill, and during the postclosure monitoring period.
W-12	"Point of compliance" ground water monitoring wells, as required by CCR Title 27, shall be installed along the downgradient perimeter of the landfill footprint, pursuant to a monitoring plan approved by the RWQCB. These wells shall be sampled on a quarterly basis beginning one year prior to landfilling each respective cell, and will provide a secondary warning of a leak in the liner system.	LEA, RWQCB	LEA and RWQCB to review and approve location of ground water monitoring wells prior to issuance of SWFP and WDRs.  LEA and RWQCB to review quarterly monitoring reports beginning one year prior to landfilling each respective cell.
W-13	If leachate or landfill gas generated by the landfill expansion were determined to be a potential risk to ground water, a corrective action plan shall be developed and implemented in conjunction with the RWQCB as required by CCR Title 27.	LEA, RWQCB, SCAQMD	Leachate and landfill gas monitoring reports to be reviewed quarterly by the LEA, RWQCB, and SCAQMD.  As necessary, corrective action plan to be developed and implemented in consultation with RWQCB.
W-14	Whenever a specified material, design, system or action is required by the project or any exhibit thereto, USA Waste or its successor-in-interest may substitute such material,	RCWMD, LEA, RWQCB	Design of each expansion phase to be reviewed at the discretion of the LEA, RWQCB, and RCWMD prior to construction of each phase.

Mitigation No.	Mitigation Measure	Responsible Agencies	Implementation and Timing
	<p>design, system or action, provided that: (Board of Supervisors) Such material, design, system or action complies with applicable Federal, State, and local regulations; and, Any Federal, State or local regulatory agency having jurisdiction has approved the use of the material, design, system or action for similar facilities (i.e., Class III landfills); and, The General Manager - Chief Engineer of the RCWMD, with concurrence of the appropriate regulatory agency(ies), has determined that such material, design, system or action is technically equal, or superior to, those required in these conditions.</p>		<p>Construction of each phase of the expansion to be inspected at the discretion of LEA, RWQCB and RCWMD prior to receiving waste for each expansion phase.</p>
W-15	<p>USA Waste or its successor-in-interest shall deposit 50 cents per ton into a Third Party, Environmental Impairment Trust, which fund shall be established and maintained throughout the life of the project. Any balance in the existing fund contributed by USA Waste or its successor-in-interest under the First El Sobrante Landfill Agreement, as amended, shall continue to accrue with deposits from all waste delivered to the site on or after the start date, including interest earnings on the funds, until the fund has reached a total of \$2,000,000, at which time deposits may be discontinued until withdrawals cause the fund to fall below the \$2,000,000 cap. The cap shall increase annually by 90 percent of the change in the Consumer Price Index (CPI) starting in the year 2002.</p>	RCWMD	<p>An Environmental Impairment Trust to be established upon receipt of the SWFP for the landfill.  Funds to be withdrawn from the Environmental Impairment Trust only for environmental remediation purposes with the approval of USA Waste and the RCWMD.</p>
W-16	<p>Monies may be withdrawn from the Environmental Impairment Trust only for environmental remediation purposes with approval by USA Waste or its successor-in-interest and the General Manager - Chief Engineer of the RCWMD. The Trustee shall be required to report quarterly to the Department on all fund activity and balances.</p>	RCWMD	<p>An Environmental Impairment Trust to be established upon receipt of the SWFP for the landfill.  Funds to be withdrawn from the Environmental Impairment Trust only for environmental remediation purposes with the approval of USA Waste and the RCWMD.</p>



# Notice of Determination

**COUNTY OF RIVERSIDE  
WASTE MANAGEMENT DEPARTMENT  
NOTICE OF DETERMINATION**

**TO:**

Office of Planning and Research (OPR)  
1400 Tenth Street  
Room 121  
Sacramento, CA 95814

X County Clerk  
County of Riverside

For County Clerk's Use Only:

**FROM:**

Riverside County  
Waste Management Department  
14310 Frederick Street  
Moreno Valley, CA 92553

**SUBJECT:** Filing of Notice of Determination in Compliance with Section 15094 of the California Environmental Quality Act, CEQA Guidelines (California Code of Regulations, Title 14, Chapter 3)

**Project Title:** Third Amendment to the Second El Sobrante Landfill Agreement to Change Hours for Existing and Future Excavation and Liner Construction Activities in New Landfill Cells

**State Clearinghouse (SCH) No.:** 1990020076 & 2007081054 **Contact:** Ryan Ross **Area Code/No. Ext.:** 951/486-3280

**Project Applicant/Property Owner & Address:** USA Waste Services of California, Inc.  
10910 Dawson Canyon Road, Corona, CA 92883-5020

**Project Location:** The facility is located in an unincorporated area of Riverside County at 10910 Dawson Canyon Rd, Corona, CA- east of Interstate 15, Temescal Canyon Road, south of Cajalco Road, and north of Dawson Canyon in Western Riverside County (Portions of Sections 23, 24, 25, and 26, Township 4S, Range 6W and Portions of Section 19; Township 4S; Range 5W).

**Project Description:** The project is a proposal to amend the Second El Sobrante Landfill Agreement to revise the hours allowed for existing and future excavation and liner construction activities in new landfill cells from 8:00 a.m. to 5:00 p.m., Monday through Saturday, to 7:00 a.m. to 10:00 p.m., Monday through Saturday, with the following restrictions: a) the conveyor belt system shall not be located less than 295 feet from occupied residences; and b) excavation and liner construction of new cells within 10 feet of the top of slope will be limited to the hours of 7:00 a.m. to 6:00 p.m., Monday through Saturday.

**This is to advise that the Riverside County Board of Supervisors has approved the above-referenced project on December 18, 2012 and has made the following determinations regarding that project:**

1. The project will not have a significant effect on the environment, because impacts were avoided or previously mitigated through mitigation measures adopted as part of the Expansion EIR and Supplemental EIR (SCH No. 1990020076 & 2007081054).
2. An Addendum to the Final EIR was prepared and certified for this project pursuant to the provisions of the CEQA.
3. No new mitigation measures were made a condition of the approval of this project.
4. A mitigation monitoring program, prepared pursuant to Public Resource Code §21081.6 and CEQA Guidelines §15096, was originally adopted for this project. One mitigation measure (N-1) was modified as part of the proposed project.
5. An updated Mitigation Monitoring Program was adopted with approval of this project.
6. Findings and a Statement of Overriding Considerations were not adopted for the proposed project since significant impacts were not identified.

**This is to certify that the Addendum to the Final EIR and record of project approval is available to the general public at: Riverside County Waste Management Department, 14310 Frederick Street, Moreno Valley, CA 92553**

**Signature:**  **Title:** Principal Planner **Date:** December 18, 2012

**Verified By:** \_\_\_\_\_ **Title:** Clerk of the Board **Date:** \_\_\_\_\_

<b>RIVERSIDE COUNTY BOARD SEAL:</b>	<b>TO BE COMPLETED BY OPR</b> Date Received for Filing and Posting at OPR:
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