

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

238



**FROM:** Waste Management Department

**SUBMITTAL DATE:**  
February 23, 2015

**SUBJECT:** 2013 El Sobrante Landfill Annual Monitoring Report, District 1

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

1. Receive and file the 2013 El Sobrante Landfill Annual Report, dated December 2014; and
2. Direct the Clerk to ensure that a copy of the Annual Report is made available for public review at accessible locations.

**BACKGROUND:**

**Summary**

As stipulated in the Conditions of Approval of the Second El Sobrante Landfill Agreement (Agreement), the Administrative Review Committee (ARC), formed pursuant to Section 13 of the Agreement and composed of representatives from the Waste Management Department, Executive Office, and Planning Department, reviewed the 2013 El Sobrante Landfill Annual Monitoring Report (Report) to ensure that the landfill is being operated by Waste Management, Inc. (WMI), in conformance with the landfill's adopted Mitigation Monitoring Program (MMP). (continued)

Departmental Concurrence

  
Hans Kernkamp  
General Manager-Chief Engineer

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 0	\$ 0	\$ 0	\$ 0	Consent <input type="checkbox"/> Policy <input type="checkbox"/>
NET COUNTY COST	\$	\$	\$	\$	

**SOURCE OF FUNDS:** N/A **Budget Adjustment:**  
For Fiscal Year:

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

**APPROVE**

BY:   
Alex Gamm

County Executive Office Signature

**MINUTES OF THE BOARD OF SUPERVISORS**

- A-30
- Positions Added
- 4/5 Vote
- Change Order

Prev. Agn. Ref.:

District: 1

Agenda Number:

**COUNTY**  
**12-3**

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

**FORM 11: 2013 El Sobrante Landfill Annual Monitoring Report**

**DATE:** February 23, 2015

**PAGE:** Page 2 of 3

**BACKGROUND:**

**Summary (cont'd)**

The 2013 El Sobrante Landfill Annual Report represents a departure from the format of earlier reports. A staff report, included with the 2013 Annual Reports (see attached), details the change in process and format. The 2013 El Sobrante Landfill Annual Report consists of the following:

1) Annual Monitoring Report

- Provides annual updates for such topics as in-County and out-of-County tonnage, complaints, pending litigation, hours of operation, facility permits, etc.

2) Conditions of Approval Status Report

- Documents compliance with the Riverside County Board of Supervisors and Riverside County Transportation Department's Conditions of Approval imposed on USA Waste/WMI during the 1998 landfill Expansion Project.

3) Mitigation Monitoring Program Status Report

- Documents compliance with the mitigation measures adopted for the operation of the El Sobrante Landfill.

The ARC initially reviewed the draft 2013 Annual Report in August 2014. The Report was then submitted to the Citizens Oversight Committee (COC) to solicit comments. The COC met in October 2014 to review the draft Report, and provided comments, as documented in the attached Staff Report. The ARC met again in January 2015 to review the final Report.

The ARC made the following determinations in approving the 2013 Annual Report:

1. 2013 Annual Monitoring Report

- All ARC, COC, and staff comments/edits were addressed.

2. 2013 Conditions of Approval Status Report

- All ARC, COC, and staff comments/edits were addressed.

3. 2013 Mitigation Monitoring Program Status Report

- Compliance with Measure T-3 cannot be definitively determined in the 2013 Annual Report; however, monitoring data from WMI's GPS tracking program, "geo-fence", will be available for evaluation in the 2014 Annual Report. This will provide clarity regarding the routes of WMI/USA Waste's transfer truck fleet, which accounts for at least 60% of the transfer trucks utilizing the El Sobrante Landfill.
- With the exception of semi-yearly monitoring of recorded cultural resources within the landfill property, as required under mitigation measure C-4, USA Waste/WMI has submitted the required reports and documentation where applicable, to the agencies responsible for implementation/monitoring of the conditions and mitigation measures in accordance with the approved MMP. To address measure C-4, USA Waste shall begin monitoring and reporting as required, documenting compliance in future annual reports.
- Staff was directed to perform additional research regarding WMI's compliance with Measure W-14. Specifically, staff will review the Landfill Expansion EIR and 1994 Water Resources Technical Report, to determine the relationship, if any, with a proposed 'cut-off' wall and its application to Measure W-14.

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

**FORM 11: 2013 El Sobrante Landfill Annual Monitoring Report**

**DATE:** February 23, 2015

**PAGE:** Page 3 of 3

As required under Conditions of Approval 22(f) for the Agreement, the 2013 Annual Report was transmitted to the Board of Supervisors, as well as the COC, within 60 days of the ARC providing its determination for the 2013 Report. As stated in Conditions of Approval 14(b) for the Agreement, the COC will meet at least annually to review the Annual Report, as submitted by the ARC, and provide written comments to the Board, as deemed necessary. The COC met on January 29, 2015, to review the final Report, and had the following comments:

COC Comments:

WMI is non-compliant with Mitigation Measure T-3.

Staff Response:

Staff concurs with the ARC's determination regarding Mitigation Measure T-3.

Impact on Citizens and Businesses

No impacts on Citizens or Businesses.

# **El Sobrante Landfill**

## **2013 Annual Report**

**Prepared By:**

**Riverside County Waste Management Department**

**December 2014**

# Staff Report

## Introduction

The Riverside County Waste Management Department (RCWMD) is responsible for the monitoring and implementation of both the El Sobrante Landfill Mitigation Monitoring Plan (MMP), as well as the Second El Sobrante Landfill Agreement (Second Agreement), between the County of Riverside and USA Waste of California (USA Waste), a subsidiary of Waste Management Inc. (WMI). USA Waste/WMI is required to provide an annual report documenting their efforts in complying with the mitigation measures and conditions of approval, as identified in the MMP and Second Agreement.

The 2013 El Sobrante Landfill Annual Report represents a departure from the format of earlier reports. Previous annual reports contained information required under Exhibit "D" of the Second Agreement, as well as documented compliance with the MMP. This information was packaged together as one single report. In May 2014, USA Waste/WMI prepared the 2013 Annual Monitoring Report, which provided information based solely on the items listed on Exhibit "D" of the Second Agreement, excluding the implementation status of mitigation measures in the MMP, which was to follow as an independent document later in the year. RCWMD staff determined that preparing individual reports addressing Exhibit "D" and compliance with the MMP was acceptable; however, in order for the Administrative Review Committee (ARC) to make an informed decision on USA Waste/WMI's compliance with the mitigation measures and conditions of approval, an additional report specifically documenting compliance with the conditions of approval for the Second Agreement must be prepared, with the concurrent submittal of the three reports.

As such, the 2013 El Sobrante Landfill Annual Report consists of the following:

### 1) Annual Monitoring Report

- Provides annual updates for the items listed on Exhibit "D" of the Second Agreement, which include, but are not limited to, topics such as in-County and out-of-County tonnage, complaints, pending litigation, hours of operation, and facility permits.

### 2) Conditions of Approval Status Report

- Documents compliance with the Riverside County Board of Supervisors and Riverside County Transportation Department's Conditions of Approval imposed on USA Waste/WMI during the 1998 landfill Expansion Project.

### 3) Mitigation Monitoring Program Status Report

- Documents compliance with the mitigation measures adopted for the operation of the El Sobrante Landfill.

## **Review Process**

In June 2014, USA Waste/WMI provided RCWMD with drafts of the Annual Status Monitoring Report and Conditions of Approval Status Report. Upon RCWMD and Local Enforcement Agency (LEA) review, the reports were presented to the ARC during the August 28, 2014 ARC meeting. The ARC reviewed the reports, and then submitted the reports with staff comments to USA Waste/WMI for revision.

The revised reports, along with the Conditions of Approval Status Report<sup>1</sup>, were presented to the Citizens Oversight Committee (COC) during the October 8, 2014, COC meeting. The COC provided the following input:

1. **2013 Annual Monitoring Report**

The COC concurred with staff edits/comments as submitted and recommended that the Report be forwarded to the ARC for approval, subject to resolution of staff's edits/comments.

2. **2013 Conditions of Approval Status Report**

The COC concurred with staff edits/comments as submitted and recommended that the Report be forwarded to the ARC for approval, subject to resolution of staff's edits/comments.

3. **2013 Mitigation Monitoring Program Status Report**

The COC concurred with staff edits/comments as submitted, and with incorporation of the following comments, moved that the Report be presented to the ARC. Staff responses follow each COC comment.

**AQ-1**

The COC suggested including the third party technical report as well as referencing the 2012 Annual Report discussion on the measure.

**Staff Response**

The Technical Memorandum was added to the appendix and the status response was updated.

**AQ-12**

The COC requested clarification regarding the role of SCAQMD.

**Staff Response**

SCAQMD reviews the analysis prepared for AQ-12. The last analysis prepared was in 2004. In accordance with measure AQ-12, the County has requested that USA Waste/WMI prepare a new study re-evaluating alternative fueled engines for transfer truck operation. SCAQMD will review once available. With this update, changes to the status response are not necessary.

---

<sup>1</sup> Submitted to RCWMD in September 2014.

### **T-3**

The COC suggested adding an appendix that contains USA Waste/WMI notification letters and policies regarding avoidance of peak hour traffic on the SR91.

The COC questioned the peak hour analysis completed by USA Waste/WMI.

#### **Staff Response**

A sample notification letter was added to the appendix as well as applicable peak hour<sup>2</sup> traffic data for 2012-13. Data from the “geo-fence”, USA Waste/WMI’s GPS tracking tool for their transfer truck fleet, will be included in the appendix starting with the 2014 Annual Report.

Staff reviewed WMI’s peak hour evaluation and determined that the peak hour traffic data used in the analysis was incomplete. Only one year’s worth of data (a rolling 12 months) is stored on the computer system stationed in the WMI office at El Sobrante; therefore, WMI’s response to the measure was based on partial data. WMI was provided data covering the entire year and their response was revised accordingly. While staff concurs with the response, as revised, compliance with the Measure T-3 cannot be determined due to a lack of monitoring data (GPS). GPS data for USA Waste/WMI’s transfer fleet is available for inclusion in the 2014 Annual Report. Staff will continue to work with USA Waste/WMI to improve monitoring and reporting in order to conclusively determine compliance with this measure in future Annual Reports.

### **W-14**

The COC questioned if a cut-off wall identified in the 1994 Water Resources Technical Report that addressed ground water should be identified under this measure since the current practice departs from what was originally assessed.

#### **Staff Response**

The inclusion of a cut-off wall in the 1994 Water Resources Technical Report does not compel or commit USA Waste/WMI to construct the cutoff wall. It was identified but is not required. Rather than a cut-off wall, USA Waste/WMI installs sub-drains, as approved by the RWQCB. With this update, changes to the status response are not necessary.

### **Staff Recommendations**

After the October 2014 COC meeting, RCWMD worked with USA Waste/WMI to address remaining comments/edits. USA Waste/WMI provided the requested technical reports/memorandums, and incorporated staff’s suggested edits. RCWMD prepared the final drafts of the annual reports (including appendices), developed the 2013 Annual Report and Staff Report, as well as provided the following comments/recommendations:

#### **1. 2013 Annual Monitoring Report**

All ARC, COC, and staff comments/edits were addressed. **Staff recommends approval.**

---

<sup>2</sup> RCWMD sought a legal opinion from County Counsel determining the peak hours for use in Measure T-3. A memorandum to the COC from RCWMD, documenting the findings, is attached to this Annual Status Report.

2. 2013 Conditions of Approval Status Report

All ARC, COC, and staff comments/edits were addressed. **Staff recommends approval.**

3. 2013 Mitigation Monitoring Program Status Report

All ARC, COC, and staff comments/edits were addressed. As previously noted, compliance with Measure T-3 cannot be definitively determined in the 2013 Annual Report; however, monitoring data from WMI's GPS tracking program, "geo-fence", will be available for evaluation in the 2014 Annual Report. This will provide clarity regarding the routes of WMI/USA Waste's transfer truck fleet, which accounts for at least 60% of the transfer trucks utilizing the El Sobrante Landfill.

With the exception of semi-yearly monitoring of recorded cultural resources within the landfill property, as required under mitigation measure C-4, USA Waste/WMI has submitted the required reports and documentation where applicable, to the agencies responsible for implementation/monitoring of the conditions and mitigation measures in accordance with the approved MMP. To address measure C-4, USA Waste shall begin monitoring and reporting as required, documenting compliance in future annual reports. **Staff recommends approval.**




## **Attachments**

**Peak Hour Memorandum**



Riverside County  
**Waste Management Department**

*Hans W. Kernkamp, General Manager-Chief Engineer*

DATE: October 3, 2014  
TO: Citizens Oversight Committee (COC) Members  
FROM: Ryan Ross, Principal Planner   
RE: Peak Hours and the Boundaries of SR-91 related to Traffic; Mitigation Measure T-3; El Sobrante Landfill Expansion Environmental Impact Report (EIR)

---

**Issue:**

The Riverside County Waste Management Department (RCWMD) sought a legal opinion from County Counsel to clarify the peak hours and boundaries used in determining compliance with Mitigation Measure T-3. Measure T-3 requires that out of county transfer trucks hauling waste to and from the El Sobrante landfill using SR 91 shall do so during off-peak hours.

**Summary of Legal Opinion:**

**CEQA:** The previously certified EIR determined that no significant traffic impacts would occur as it relates to SR-91. Once all discretionary approvals for a project have been granted, future analysis or changes to mitigation are limited to future discretionary permits only, even if the circumstances surrounding the project have changed or new environmental information develops.

**Peak Hour:** There is no language in the EIR to establish a different definition for Peak Hour or that the Peak Hour would likely change at a future date or time. For mitigation drafted at the same time as the traffic impact report, the definition of Peak Hour for the SR91 would be the same for Mitigation Measure T-3 as utilized for the affected intersections (7:30 am to 8:30 am and 4:30 pm to 5:30 pm).

**SR91 Segment:** The traffic report and the EIR focus exclusively on the traffic data within Riverside County. Given the lead agency's authority focuses on mitigation under its jurisdiction, Mitigation Measure T-3 was developed for application within the Riverside County SR91 segment.

## **2013 Annual Monitoring Report**

# **El Sobrante Landfill Annual Monitoring Report**

**Reporting Period:  
January 1, 2013 through December 31, 2013**

**Prepared By:  
USA Waste of California, Inc.**

**December 2014**

## Introduction

The El Sobrante Landfill Annual Monitoring Report (AMR) for the period covering January 1, 2013 through December 31, 2013 has been prepared by USA Waste of California (USA Waste), a subsidiary of Waste Management Inc. (WMI), for the County of Riverside in compliance with the Second El Sobrante Landfill Agreement (Second Agreement), inclusive of any Amendments. Exhibit "D" of the Second Agreement requires submission of the AMR (see attached). Section 13.2 of the Second Agreement requires submittal of the Mitigation Monitoring Program (MMP) reports to the Administrative Review Committee (ARC). In addition, the ARC can request additional information regarding USA Waste's performance. The Riverside County Waste Management Department (RCWMD) (not the ARC) has requested that USA Waste prepare a third report, a Conditions of Approval (COA) report. RCWMD has advised that all three reports will form an Annual Status Report (ASR). In preparing the COA report, USA Waste noted that there was substantial overlap between the Conditions of Approval and Mitigation Measures, and that some of the Conditions of Approval address construction activities that were completed many years ago. As a result, preparation of a COA report in future years might not provide useful information to the ARC. The ASR is to be first reviewed by the County's Administrative Review Committee (ARC), a committee comprised of representation from the County's Planning Department, Waste Management Department, and Executive Office, and then submitted to the Citizen Oversight Committee (COC), a committee formed in 2003 pursuant to Condition of Approval No. 14.a. (Exhibit "F" of the Second Agreement). Condition of Approval No. 14.b. requires the COC to meet at least once annually to review the ASR, as submitted by the ARC.

## Landfill History

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. The landfill, which is owned and operated by USA Waste, started disposal operations in 1986. From 1986 to 1998, the landfill was operated pursuant to the original El Sobrante Landfill Agreement and its Amendments and one Addendum. On September 1, 1998, the Riverside County Board of Supervisors (BOS) approved the El Sobrante Landfill Expansion Project, a vertical and lateral expansion of the landfill, and entered into the Second Agreement, which became effective on September 17, 1998. The Second Agreement represents a public/private relationship between the owner/operator of the landfill and the County of Riverside and provides for the County's Waste Management Department to operate the landfill gate, to set the County rate for disposal at the gate with BOS approval, and to operate the Hazardous Waste Inspection Program.

The specific actions taken by the BOS on September 1, 1998 included the following:

- Adoption of Resolution No. 98-275, certifying the Environmental Impact Report (EIR), consisting of the Draft EIR (dated April 1994), the Final EIR (dated April 1996), and the Update to the Final EIR (dated July 1998).
- Adoption of 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.

The El Sobrante Landfill Expansion Project, for which the EIR (circulated under SCH No. 1990020076) was certified, included the following major elements:

- An increase in landfill disposal capacity to approximately 196.11 million cubic yards or approximately 109 million tons of municipal solid waste.
- An increase in the daily disposal capacity up to 10,000 tons.
- An increase in the landfill area to a total of 1,322 acres.
- An increase in the landfill footprint to 495 acres.
- An increase in the hours of operation, allowing 24-hour continuous operations, 7 days a week, for non-waste functions (i.e., application of daily cover, stockpiling of daily cover, site maintenance, grading, and vehicle maintenance) and allowing disposal operations from 4:00 AM to Midnight.

Pursuant to the Second Agreement, the “Start Date” for the El Sobrante Landfill Expansion Project and the terms of the Second Agreement was the date upon which all necessary approvals and/or permits were obtained. The following were considered the final approval/permits needed to trigger the “Start Date”:

- Issuance of Waste Discharge Requirements (WDRs) Order No. 01-53 from the Regional Water Quality Control Board (RWQCB), Santa Ana Region on July 21, 2001.
- Issuance of Solid Waste Facility Permit (SWFP) No. 33-AA-0217 from the Riverside County Environmental Health Department, Local Enforcement Agency (LEA) on August 6, 2001, following concurrence from the California Integrated Waste Management Board (CIWMB).

The Second Agreement has since been amended three times:

1. The First Amendment, approved by the BOS on July 1, 2003, amended the scope of the Expansion Project to allow the landfill operator to grind green waste for Alternative Daily Cover (ADC) and to add facilities to convert landfill gas to electricity.
2. The Second Amendment, approved by the BOS in March 2007, allowed for USA Waste to pursue the necessary approvals/permits to again amend the scope of the Expansion Project. Subject to further environmental review in compliance with the California Environmental Quality Act (CEQA) and BOS approval, the Second Amendment allowed for acceptance of waste material for disposal over a continuous 24-hour period and for the maximum daily capacity of 10,000 tons to be changed to a weekly disposal capacity of 70,000 tons. On March 31, 2009, the BOS adopted Resolution No. 2009-093, approving the revision to the landfill’s SWFP to allow the operational changes in the Second Amendment, certifying the Supplemental EIR (SCH #2007081054), and approving the corresponding MMP. The LEA later issued a revision to SWFP #33-AA-0217 on September 9, 2009, with concurrence from the CIWMB on August 18, 2009, which allowed for the operational changes in the Second Amendment (i.e., 70,000 tons per week, not exceeding 16,054 tons per day, and continuous 24-hour disposal) to be implemented on August 31, 2009.
3. In addition to revising some definitions in the Second Agreement to maintain consistency with environmental documents, the Third Amendment, considered by the COC on November 26, 2012 and approved by the BOS on December 18, 2012, modified 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, restricting the conveyor belt from being located within 295 feet of occupied residences and limiting hours for excavation and liner construction within 10 feet of the top of slope.

## Overview of Calendar Year 2013

### 2013 Permits/Approvals

In 2013, the landfill operator applied for a revised Title V operating permit from the South Coast Air Quality Management District (SCAQMD). The Title V permit, which was issued in January 2014, applies to facilities that have the potential to emit any criteria pollutant or hazardous air pollutant at levels equal to or greater than established emission thresholds for the South Coast air basin.

### 2013 Changes in Landfill Expansion Project Plan

In 2013, the El Sobrante Landfill continued to be developed in overall accordance with the Expansion Project first approved by the BOS in 1998 and with its SWFP and corresponding Joint Technical Document (JTD), last revised in 2009.

### 2013 Landfill Activities

In 2013, the active area for waste disposal operations continued to be in Phases 9B and 10, and the following construction activities related to landfill gas (LFG) management occurred at the El Sobrante Landfill:

- Trenching of three (3) new horizontal gas collection wells
- Relocation and installation of approximately 1,600 linear feet (LF) of above-grade 12-inch High Density Polyethylene (HDPE) header piping
- Excavation and relocation of approximately 100 LF of below-grade 30-inch HDPE header piping
- Installation of approximately 1,080 LF of below-grade 30-inch HDPE piping
- Installation of various wellheads, stub-outs, tie-ins, and valves
- Construction of road crossings

In addition, an existing 10,000 gallon Underground Storage Tank was removed in 2013 (replaced with a 20,000 gallon Above-Ground Storage Tank ).

No other landfill construction activities occurred in 2013.

### 2013 Days and Hours of Operation

In 2013, the El Sobrante Landfill received waste tonnage on 307 days. Excluding County holidays, the landfill was open six (6) days a week, Monday through Saturday, and closed on Sunday. The landfill, which has 24-hour disposal operations, was open from 4:00 AM on Monday to 6:00 PM on Saturday. The landfill was open to commercial haulers and the general public in accordance with the following schedule:

#### Days/Hours for Commercial Haulers

- Open six (6) days a week, Monday through Saturday
- Hours = 4:00 AM on Monday through 6:00 PM on Saturday

#### Days/Hours for General Public

- Open six (6) days a week, Monday through Saturday
- Hours = 6:00 AM through 6:00 PM daily

## **2013 Disposal Volumes**

During calendar year 2013, a total of approximately 1,962,124.94 tons of municipal solid waste was disposed at the El Sobrante Landfill. Of this amount, approximately 685,610.65 tons originated from Riverside County sources, and approximately 1,276,514.29 tons originated from out-of-County sources.

Based on 307 working days, an average of 6,391 (rounded to nearest whole number) tons of waste were received at the landfill on a daily basis in 2013.

## **Landfill Capacity Used in 2013 and Landfill's Remaining Capacity at End of 2013**

Landfill capacity is closely monitored at the El Sobrante Landfill to ensure that the landfill's operational efficiency is meeting WMI and community expectations. On an annual basis, the entire landfill is flown by an aerial survey company, and aerial topographic maps are prepared to calculate the remaining airspace or capacity of the landfill by comparing the existing landfill topography to the expected final landfill topography. To evaluate the compaction efficiency or density of the waste material in the landfill, an Airspace Utilization Factor (AUF) is used. The AUF (tons of waste per cubic yard of landfill airspace) is recorded as the total waste disposed within a known volume of landfill airspace in a given period of time. The AUF takes into account such factors as the use of ADC and soil cover, waste settlement, and waste composition.

Using the AUF for 2013 operations (approximately 0.962 ton/cubic yard) and the amount of 1,962,125 tons of waste disposed in 2013, approximately 2,039,631 cubic yards of capacity were used in 2013. The landfill's remaining airspace at the end of 2013 is estimated to be approximately 176,848,527 cubic yards, in excess of 170,000,000 remaining tons. Assuming 91 percent of this capacity is available for trash (approximately 160,932,160 cubic yards or 154,816,738 tons), the landfill continues to have in excess of 55 years of capacity at current tonnage projections.

## **Origin of Non-County Waste Disposal Volume in 2013**

Non-County waste received at the El Sobrante Landfill must be delivered in transfer trucks, or transfer-like trucks to mitigate traffic impacts. A transfer-like truck is one that transports a volume of waste to the landfill similar in size and weight to a transfer truck. Two examples of a transfer-like truck are the Heil Star System and the WMS Pod Trucks.

During 2013, non-county waste was primarily delivered to the El Sobrante Landfill from the facilities identified below. These facilities are inspected twice a year by the LEA.

- Azusa Material Recovery Facility, Waste Transfer Station, Azusa, CA
- Carson Transfer Station, Carson, CA
- CLARTS (Central Los Angeles Recycling & Transfer Station), Los Angeles, CA
- Grand Central Recycling and Transfer Station, City of Industry, CA
- Palomar Transfer Station, Carlsbad, CA
- Southgate Transfer Station, Southgate, CA
- West Valley Transfer Station, Fontana, CA

During calendar year 2013, the following out-of County communities delivered more than 1,000 tons of municipal solid waste to the El Sobrante Landfill:



- Anaheim
- Arcadia
- Azusa
- Baldwin Park
- Bell Gardens
- Carlsbad
- Carson
- Chino
- Claremont
- Colton
- Commerce
- Compton
- Diamond Bar
- Duarte
- El Monte
- El Segundo
- Fontana
- Gardena
- Huntington Park
- Industry
- Irwindale
- La Puente
- La Verne
- Lomita
- Long Beach
- Los Angeles (City)
- Los Angeles (County)
- Lynwood
- Manhattan Beach
- Montclair
- Oceanside
- Ontario
- Orange (City)
- Palos Verdes Estate
- Pasadena
- Pechanga Tribal Land
- Pomona
- Rancho Cucamonga
- Rancho Palos Verdes
- Redondo Beach
- Rialto
- Rolling Hills Estate
- San Bernardino (City)
- San Bernardino (County)
- San Diego (City)
- San Diego (County)
- San Dimas
- Santa Clarita
- South Gate
- Torrance
- Upland
- Vernon
- Walnut
- West Covina

For calendar year 2013, the El Sobrante Landfill also received miscellaneous volumes of municipal solid waste (10 tons to less than 1,000 tons) through transfer stations and through direct haul from private haulers from the following out-of-County communities:

- Adelanto
- Agoura Hills
- Alhambra
- Apple Valley
- Arizona
- Artesia
- Barstow
- Bell
- Bellflower
- Beverly Hills
- Bradbury
- Brea
- Burbank
- Cerritos
- Chino Hills
- Chula Vista
- Costa Mesa
- Covina
- Cudahy
- Culver City
- Del Mar
- Downey
- El Cajon
- Encinitas
- Fullerton
- Garden Grove
- Glendale
- Glendora
- Grand Terrace
- Hawthorne
- Hermosa Beach
- Hesperia
- Highland
- Huntington Beach
- Inglewood
- Irvine
- Kern County
- La Habra Heights
- La Mirada
- Laguna Niguel
- Lake Forest
- Lakewood
- Lawndale
- Loma Linda
- Los Alamitos
- Malibu
- Maywood
- Monrovia
- Montebello
- Monterey Park
- Morongo Tribe
- Needles
- Nevada
- Newport Beach
- Norwalk
- Orange (County)
- Paramount
- Pico Rivera
- Placentia
- Redlands
- Rosemead
- San Gabriel
- San Leandro
- Santa Ana
- Santa Fe Springs
- Santa Monica
- Sierra Madre
- Signal Hill
- Soboba Tribe
- Solana Beach
- South El Monte
- Temple City
- Tuolumne County
- Twenty-9 Palms
- Victorville
- West Hollywood
- Westminster
- Whittier
- WM-North State Env
- WMIE-G.O.R. Truck
- Yorba Linda
- Yucaipa
- Yucca Valley

## Projected Waste in 2014

In 2014, it is projected that there will be an approximately 5.75 percent increase in disposal tonnage, with total disposal tonnage expected to be in range of 2,075,000 tons. Of this amount, the in-County disposal tonnage for 2014 is projected to be approximately 765,000 tons, while out-of-County tonnage is expected to be in the range of 1,310,000 tons.

## **Closure/Post Closure Trust**

No funds were withdrawn from the Closure/Post-Closure Trust for these activities during 2013, and at the end of the calendar year, the market value of the El Sobrante Landfill Trust was approximately \$19,891,931.

## **Local Mitigation Trust Account**

The Local Mitigation Trust, created pursuant the Second Agreement with a deposit of \$150,000 by USA Waste, is for mitigation projects in the local areas surrounding the landfill as recommended by the COC. In 2004, the COC recommended that the entire Local Mitigation Fund be utilized for County efforts to cleanup illegal dumping in the Temescal Valley area along the I-15 corridor from El Cerrito Road south to Lake Street. The BOS approved the COC recommendation on October 19, 2004. At the end of 2008, approximately one-half of the Trust Account had been used in this effort. In 2009, working collaboratively with the County's Code Enforcement Department, the COC recommended that an allocation not to exceed \$10,000 be used toward implementing the Clean Money Youth-Based Fundraising Program in the First and Second Supervisorial Districts. The BOS approved this recommendation on September 1, 2009. At the end of January 2011, approximately \$1,500 remained of the budget allocated for the Clean Money Program and its cleanup events. In March of 2011, the Board of Supervisors approved, per the recommendation of the COC, an additional allocation of \$10,000 to this program. At the end of 2011, the Local Mitigation Trust Account had a balance of approximately \$72,000. In 2012, approximately \$4,000 of the budget allocated for the Clean Money Program was spent on cleanup events, leaving a balance of approximately \$68,000 remaining in the Local Mitigation Trust Account. In 2013, approximately \$2,500 of the budget allocated for the Program was spent on one cleanup event, leaving a remaining balance of approximately \$65,500.

## **General Liability Insurance**

The Certificate of Insurance is an attachment to the AMR.

## **Regulatory Agency Issues**

During 2013, the El Sobrante Landfill was regularly inspected by regulatory agencies, which include the LEA, CalRecycle, the Regional Water Quality Control Board - Santa Ana Region (RWQCB-SAR), and the SCAQMD. The landfill did not have any unresolved compliance issues from these regulatory agencies at the end of 2013. There were also no public complaints registered with the LEA for lighting, noise, or odor.

## **Pending Litigation**

There is no pending litigation against the El Sobrante Landfill.

**Annual Monitoring Report**  
**Attachments**

**Exhibit D**

**Certificate of Liability Insurance**

**Landfill Phasing Plan**

EXHIBIT "D"  
EL SOBRANTE LANDFILL  
ANNUAL MONITORING REPORT

1. Date of Report: Reporting Period:
2. Permits obtained, extended or modified:
3. Tons of Waste placed in Landfill during reporting period:
4. Cubic yards of material placed in Landfill during the reporting period:
5. Changes in Project Plan during reporting period:
6. Amount of County Waste received during reporting period:
7. Amount of Non-County Waste received during reporting period:
8. Average daily rate of tonnage during reporting period:
9. Average daily tonnage as of last thirty (30) days of reporting period:
10. Current hours of operation:
11. Current State requirement for trust balance:
12. Current State requirement for contributions to Closure/Post-Closure trust:
13. Amount contributed to State Closure/Post-Closure trust during reporting period:
14. Amount withdrawn from Closure-Post-Closure trust during reporting period:
15. Sources of Non-County Waste during reporting period:
16. Sources of Non-County Waste during last thirty (30) days of reporting period:
17. Estimated maximum tons per day of Non-County Waste to be received during next reporting period:
18. Estimated tons per day of County Waste to be received during next reporting period:
19. Amount contributed to Road Improvement Trust during reporting period:
20. Insurance carrier for comprehensive general liability policy: (Attach certificate)
21. List any unresolved complaints from:
  - (a) LEA;
  - (b) California Integrated Waste Management Board;
  - (c) RWQCB-SAR;
  - (d) SCAQMD.
22. List any pending litigation involving the Landfill:



# CERTIFICATE OF LIABILITY INSURANCE

1/1/2015

DATE (MM/DD/YYYY)  
12/11/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: ACE American Insurance Company		22667
INSURER B: Indemnity Insurance Co of North America		43575
INSURER C: ACE Property & Casualty Insurance Co		20699
INSURER D:		
INSURER E:		
INSURER F:		

INSURED  
1300299 WASTE MANAGEMENT HOLDINGS, INC. & ALL AFFILIATE  
RELATED & SUBSIDIARY COMPANIES INCLUDING:  
EL SOBRANTE LANDFILL  
10910 DAWSON CANYON ROAD  
CORONA CA 92883

COVERAGES CERTIFICATE NUMBER: 10564019 REVISION NUMBER: XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU INCLUDED <input checked="" type="checkbox"/> ISO FORM CG 0001 1207 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:	Y	Y	HDO G2732924A	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 5,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 5,000,000 GENERAL AGGREGATE \$ 6,000,000 PRODUCTS - COMP/OP AGG \$ 6,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MMT I108816025	1/1/2014	1/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	Y	Y	XOO G27054961	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 15,000,000 AGGREGATE \$ 15,000,000 \$ XXXXXXXX
B A A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	Y N/A	WLR C47876345 (AOS) WLR C47876357 (AZ,CA&MA) SCF C47876369 (WI)	1/1/2014 1/1/2014 1/1/2014	1/1/2015 1/1/2015 1/1/2015	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 3,000,000 E.L. DISEASE - EA EMPLOYEE \$ 3,000,000 E.L. DISEASE - POLICY LIMIT \$ 3,000,000
A	<input checked="" type="checkbox"/> EXCESS AUTO LIABILITY	N	Y	XSA H08816013	1/1/2014	1/1/2015	COMBINED SINGLE LIMIT \$9,000,000 (EACH ACCIDENT)

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 BLANKET WAIVER OF SUBROGATION IS GRANTED IN FAVOR OF CERTIFICATE HOLDER ON ALL POLICIES WHERE AND TO THE EXTENT REQUIRED BY WRITTEN CONTRACT WHERE PERMISSIBLE BY LAW. CERTIFICATE HOLDER IS NAMED AS AN ADDITIONAL INSURED (EXCEPT FOR WORKERS' COMP/EL) WHERE AND TO THE EXTENT REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER 10564019 COUNTY OF RIVERSIDE RIVERSIDE COUNTY WASTE RESOURCES MANAGEMENT DISTRICT 14310 FREDERICK STREET MORENO VALLEY CA 92553	CANCELLATION See Attachment  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
--	--

**POLICY NUMBER: HDO G2732924A  
ENDT. #38**

**COMMERCIAL GENERAL LIABILITY**

**NOTICE: THESE POLICY FORMS AND THE APPLICABLE RATES ARE EXEMPT FROM THE FILING REQUIREMENTS OF THE NEW YORK INSURANCE LAW AND REGULATIONS. HOWEVER, THE FORMS AND RATES MUST MEET THE MINIMUM STANDARDS OF THE NEW YORK INSURANCE LAW AND REGULATIONS.**

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED – OWNERS, LESSEES OR  
CONTRACTORS (FORM B)**

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART**

**SCHEDULE**

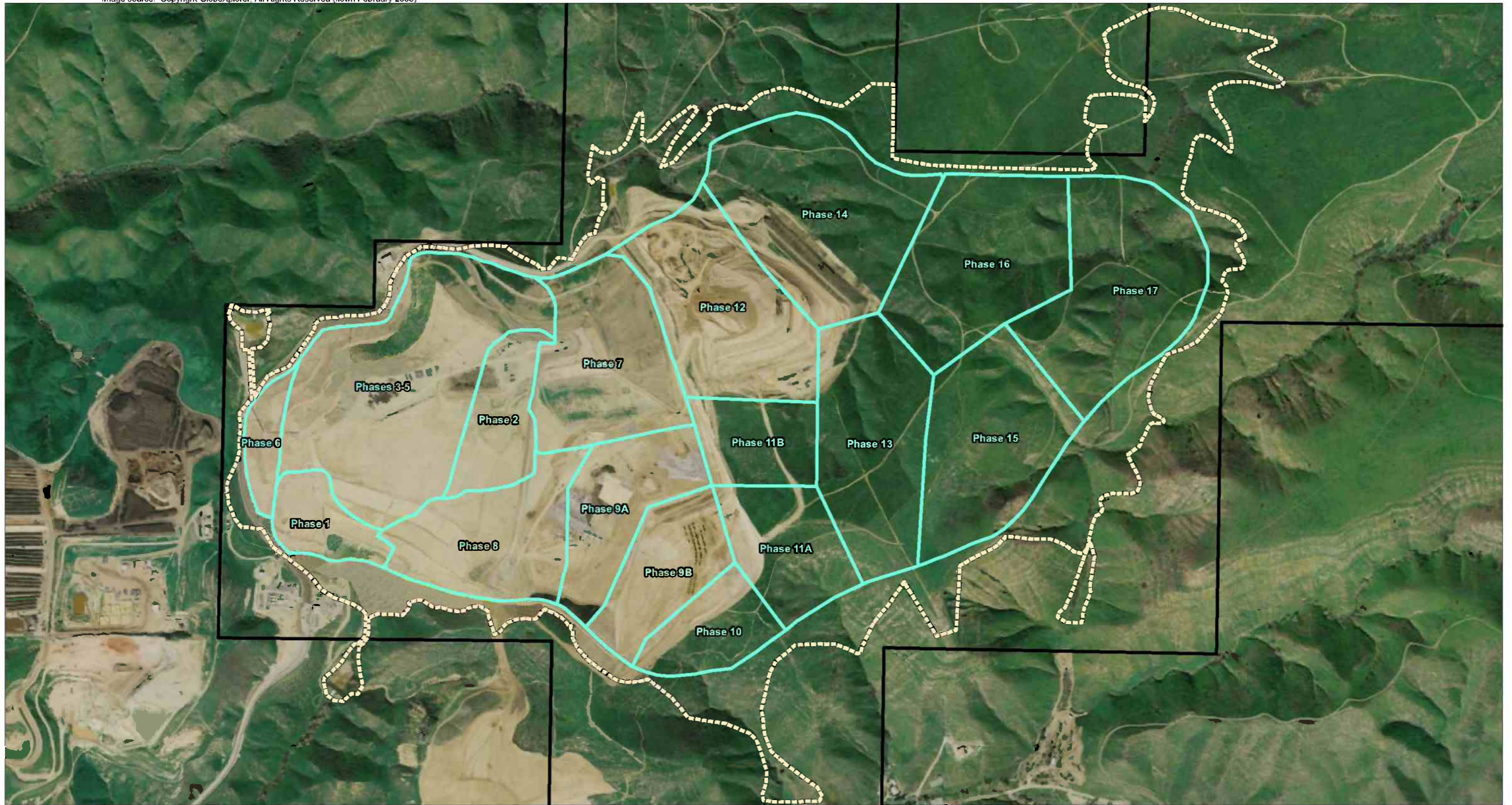
**Name of Person or Organization:** COUNTY OF RIVERSIDE AND RIVERSIDE COUNTY WASTE  
RESOURCES MANAGEMENT DISTRICT

(If no entry appears above, information required to complete this endorsement would be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

CG 20 10 11 85

Copyright, Insurance Services Office, Inc., 1984



-  Plan Area
-  Expansion Phases
-  Expansion Limits



## **2013 Conditions of Approval Status Report**



**El Sobrante Landfill  
2013 Conditions of Approval  
Status Report**

**December 2014**

## Transportation Department Conditions of Approval:

1. Upon permit approval, USA Waste shall immediately amend their operating plan to require all trucks hauling out of county imported waste to exclusively utilize the Temescal Canyon Road Interchange at 1-15 for access to and from the landfill site.

**Status:** This Condition of Approval is substantially the same as Mitigation Measure T-4. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

2. Within 90 days of permit approval, the applicant shall pay a Traffic Signal Mitigation Fee in accordance with Riverside County Ordinance No. 748. Said fee shall be based upon industrial/per net acre. The project net acreage is 4.5 acres. The remaining acreage is not subject to mitigation at this time. (See Table 1 for estimated costs)

**Status:**

No activity in 2013. All plan check and mitigation fees were paid prior to road construction in 2003.

3. Within three (3) months after the Start Date, USA Waste shall commence construction of and diligently pursue the completion of the following road improvements:

- a. An additional lane in each direction on Temescal Canyon Road from I-15 Northbound on/off-ramps to the El Sobrante Access Road. The structural section of the additional lanes shall satisfy a Traffic Index of 11.5.

**Status:**

No activity in 2013, construction was completed in 2003.

- b. Eight-foot paved shoulder on the west side of Temescal Canyon Road adjacent to the intersection of Temescal Canyon Road and the El Sobrante Access Road.

**Status:**

No activity in 2013, construction was completed in 2003

- c. Improvements of the intersection of Temescal Canyon Road/El Sobrante Access Road to provide the following intersection geometrics and any required widening:

Westbound: One right turn lane and one left turn lane on the El Sobrante Access Road. This improvement to be accomplished in conjunction with the improvements to the lower portion of the El Sobrante Access Road as required by Condition No. 3d.

Southbound: None

Northbound: Extend existing right turn lane on Temescal Canyon Road.

**Status:**

No activity in 2013, construction was completed in 2003

- d. Improve the lower portion of the El Sobrante Access Road (from the intersection of Temescal Canyon Road to the cul-de-sac) so that it will meet a Traffic Index of 11.5, and so that it complies with Standard 106-B for improved drainage protection from the 100-year, 24-hour storm, or as approved by the Director of the County Transportation Department. The improvement of the lower portion of the Access Road shall be designed based on direction of the Riverside County Flood Control District and maximum water depth of 9 inches across the Access Road, generally as depicted in the attached exhibit -"Proposed Conceptual Access Road Improvements." Coldwater Wash Channel improvements and rock slope protection shall continue southeasterly from the access road along the entire length of Temescal Canyon Road to the Hydro-Conduit driveway as approved by the Transportation Department.

**Status:**

No activity in 2013, construction was completed in 2003

- e. The applicant shall construct the following traffic signals (these signals are over and above the Traffic Signal Mitigation Fee payment made by the applicant pursuant to County Ordinance No. 748, and are not subject to credit or reimbursement):  
Temescal Canyon Road (E/W) at:
  - i. El Sobrante Access Road.
  - ii. I-15 Northbound on/off ramps (as approved by Caltrans).
  - iii. I-15 Southbound on/off ramps (as approved by Caltrans).

**Status:**

No activity in 2013, construction was completed in 2003

4. Within three (3) months after the Start Date, USA Waste or its successor-in-interest shall initiate construction and diligently pursue to completion the following road improvements at the intersections of Temescal Canyon Road with Southbound and Northbound 1-15 on/off ramps to provide the following intersection geometries, including any required widening or as approved by Caltrans and the Riverside County Transportation Department.

Eastbound: An additional through lane on Temescal Canyon Road between Southbound and Northbound on/off-ramps.

Westbound: An additional through lane on Temescal Canyon Road between Southbound and Northbound on/off-ramps, and one right turn lane from Temescal Canyon Road onto Northbound on-ramp.

Southbound: One left turn lane on off-ramp.

Northbound: An additional lane on on-ramp.

**Status:**

No activity in 2013, construction was completed in 2003

5. Within 90 days following the end of calendar year in which the total tonnage of waste landfilled at El Sobrante exceeds 1,440,000 tons, USA Waste shall establish and be responsible for a Development Monitoring Program which shall include the following:

- a. Consult with and obtain clearance from Caltrans District 8 and the South Coast Air Quality Management District to assure compliance and coordination with the Regional Mobility and Air Quality Management Plans.

**Status:**

No activity in 2013, plan submitted in 2003 and is included in the appendix.

- b. Develop a program to minimize in and outbound transfer trucks during peak hours.

**Status:**

The 2007 Second Amendment to the Second Agreement revised Section 11.10(b) to require commercially reasonable efforts to schedule deliveries during off peak hours, and to require a specified tonnage of waste to be received during night-time hours. All deliveries from Waste Management companies have been notified of this requirement and are encouraged to deliver during night-time hours. In addition, an electric "geofence" has been established to track internal deliveries and all transfer vehicles are discouraged from using SH91 during peak hour traffic as identified in the EIR.

- c. A construction traffic control plan for offsite, public roads shall be developed to control construction-related traffic impacts during periodic construction of landfill cells to reduce construction related traffic impacts to local residents and businesses.

**Status:**

No construction in 2013.

## **Riverside County Conditions of Approval:**

1. USA WASTE OF CALIFORNIA, INC. ("USA WASTE") or its successor-in-interest shall defend, indemnify, and hold harmless the County of Riverside, its agents, officers, and employees from any claim, action, or proceeding against the County of Riverside or its agents, officers, or employees to attack, set aside, void or annul an approval of the County of Riverside, its advisory agencies, appeal boards or legislative body concerning Environmental Impact Report for the El Sobrante Landfill Expansion Project (State Clearinghouse No. 90020076) and the Second El Sobrante Landfill Agreement. The County of Riverside will promptly notify USA WASTE or its successor-in-interest of any such claim, action, or proceeding against the County of Riverside and will cooperate fully in the defense. If the County fails to promptly notify USA WASTE or its successor-in-interest of any such claim, action, or proceeding or fails to cooperate fully in the defense, USA WASTE or its successor-in-interest shall not, thereafter, be responsible to defend, indemnify, or hold harmless the County of Riverside.

### ***Status:***

No activity in 2013, no litigation was filed challenging the approval of the County or the EIR.

2. These Conditions and those mitigation measures outlined in the EIR shall be implemented and monitored in accordance with the MMP. USA WASTE or its successor-in-interest shall comply with the MMP.

### ***Status:***

Compliance with Measure T-3 cannot be definitively determined in the 2013 Annual Report; however, monitoring data from WMI's GPS tracking program, "geo-fence", will be available for evaluation in the 2014 Annual Report. This will provide clarity regarding the routes of WMI/USA Waste's transfer truck fleet, which accounts for at least 60% of the transfer trucks utilizing the El Sobrante Landfill.

During the January 14, 2015, ARC meeting, staff was directed to perform additional research regarding WMI's compliance with Measure W-14. Specifically, staff will review the Landfill Expansion EIR and 1994 Water Resources Technical Report, to determine the relationship, if any, with a proposed 'cut-off' wall and its application to Measure W-14.

With the exception of semi-yearly monitoring of recorded cultural resources within the landfill property, as required under mitigation measure C-4, USA Waste has submitted the required reports and documentation where applicable, to the agencies responsible for implementation/monitoring of the conditions and mitigation measures in accordance with the approved MMP. To address measure C-4, USA Waste shall begin monitoring and reporting as required, documenting compliance in future annual reports.

3. USA WASTE or its successor-in-interest shall comply with the conditions set forth in the County Transportation Department letter, dated March 27, 1998, a copy of which is set forth as a portion of Exhibit "E" of the Agreement.

### ***Status:***

USA WASTE is in compliance with the County Transportation Department conditions identified in "Exhibit E" of the Agreement.

4. The development of the El Sobrante Landfill Expansion Project shall be in accordance with the mandatory requirements of all applicable Riverside County ordinances and shall conform substantially with the project description in the EIR (State Clearinghouse No. 90020076), as filed in the office of the Riverside County Waste Management Department.

**Status:**

This Condition of Approval is the same as Mitigation Measure L-1. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

5. 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, design, system or action, provided that:
  - a) Such material, design, system or action complies with all applicable Federal, State, and local regulations; and,
  - b) 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,
  - c) The General Manager-Chief Engineer of the Riverside County Waste Management Department, 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.

**Status:**

This Condition of Approval is the same as Mitigation Measure W-14. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

6. 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.

**Status:**

This Condition of Approval is the same as Mitigation Measure T-2. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

7. Out-of-County waste from Los Angeles County, Orange County, and San Diego County shall be transported to the El Sobrante Landfill by transfer trucks, and not packer trucks.

**Status:**

This Condition of Approval is the same as Mitigation Measure T-1. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

8. Out-of-County waste from San Bernardino County may be transported to the El Sobrante Landfill by packer truck up until July 1, 2000, at which time the waste from San Bernardino County shall be transported by transfer trucks.

**Status:**

Except as noted below, all waste deliveries from San Bernardino County in 2013 were in transfer trucks. Minor amounts from public customers or small commercial haulers may enter from time to time, as allowed by the RCWMD scale attendants.

9. a. 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.

b. If it is determined that this liner system alternative 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 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.

**Status:**

This Condition of Approval is the same as Mitigation Measure W-8. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

10. The final cover of the landfill shall conform to Subtitle D and CCR Title 23 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 Riverside County Waste Management Department, the California Integrated Waste Management Board, Regional Water Quality Control Board, the U.S. Fish and Wildlife Service, and the California Department of Fish and Game.

**Status:**

This Condition of Approval is the same as Mitigation Measure W-10. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

11. Prior to any offsite grading, USA WASTE or its successor-in-interest shall obtain and record appropriate offsite easements.

**Status:**

This Condition of Approval is the same as Mitigation Measure L-2. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

12. Prior to construction and construction/operation activities, the following pre-monitoring measures shall be implemented to avoid or lessen boundary concentrations of NO<sub>2</sub>:

- a. 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.
- b. 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.

**Status:**

This Condition of Approval is the same as Mitigation Measure AQ-11. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

13. During construction and construction/operation activities, the following post-monitoring measures shall be implemented to avoid or lessen boundary concentrations of NO<sub>2</sub>:

- a. If monitoring determines that the 1-hour NO<sub>2</sub> standard (i.e., 470 ug/m<sup>3</sup>) is being approached (i.e., within 95 percent of the standard or approximately 450 ug/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.
- b. 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.
- c. 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).
- d. Construction scheduling will be slowed to reduce daily equipment usage.
- e. Hours of construction with designated pieces of equipment (e.g., scrapers) shall be constrained to occur outside of peak adverse meteorological conditions.

**Status:**

This Condition of Approval is the same as Mitigation Measure AQ-11. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

14a. A Citizen Oversight Committee shall be formed by the Board of Supervisors pursuant to Board Policy A-21 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 represent the affected communities of interest.

**Status**

This Condition of Approval is the same as Mitigation Measure L-3. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

- b. The Citizen Oversight Committee shall meet at least once annually to review the Annual Status Report submitted by the Administrative Review Committee, which will include all the 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.

**Status:**

This Condition of Approval is the same as Mitigation Measure L-4. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

- 15a. 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 EI 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% of the change in the Consumer Price Index (CPI) starting in the year 2002.

**Status:**

This Condition of Approval is the same as Mitigation Measure W-15. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

- b. 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 Riverside County Waste Management Department. The Trustee shall be required to report quarterly to the Department on all fund activity and balances.

**Status:**

This Condition of Approval is the same as Mitigation Measure W-16. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

16. Except for vehicles collecting waste in the immediate vicinity of the landfill, USA WASTE's or its successor's-in-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 I-15 and the landfill access road for all trips (both inbound and outbound), except in the event of a closure of the on/off ramps at Temescal Canyon Road and 1-15.

**Status:**

This Condition of Approval is the same as Mitigation Measure T-5. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

17. Wherever feasible, temporary earthen or landscape berms, or other structures or measures, shall be utilized to reduce potential noise and glare impacts on surrounding residents from nighttime activities at the working face of the landfill. Any measures implemented for this purpose shall be subject to annual review by the Citizen Oversight Committee.

**Status:**

This Condition of Approval is substantially the same as Mitigation Measures A-6 and N-7. A discussion of status will be provided in those portions of the 2013 Mitigation Monitoring Program Status Report.

18. USA WASTE or its successor-in-interest shall include the County in all aspects of the Section 7 Consultation and Streambed Alteration processes and shall work cooperatively with the County in developing the final agreement with the appropriate federal and state agencies that will allow a portion of the trust fund monies to be used to satisfy other County obligations or goals related to multi-species habitat acquisition and management.

**Status:**

This Condition of Approval is substantially the same as Mitigation Measure B-16. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

- 19a. In the event any official or employee for USA WASTE or its successor-in-interest or any environmental or design professional hired by USA WASTE or its successor-in-interest, is indicted by a grand jury, named as a defendant in a felony complaint filed in any court in the United States, or is otherwise alleged to have participated in any criminal activity directly or indirectly associated with the solid waste management business, activities or operations of USA WASTE or its successor-in-interest, USA WASTE or its successor-in-interest shall provide notice thereof to the County within 7 days of such indictment, complaint or allegation. Such notice shall contain a description of the indictment, complaint or allegation, as well as a copy of such indictment or complaint or other matters of public record related thereto. In addition to the foregoing, USA WASTE or its successor-in-interest shall provide the County with copies of any reports required to be prepared by USA WASTE or its successor-in-interest pursuant to federal securities laws, including quarterly and annual reports.

**Status:**

USA Waste has no such matters to report.

- b. In the event any official or employee for USA WASTE or its successor-in-interest or any environmental or design professional hired by USA WASTE or its successor-in-interest, who has direct responsibility for any phase of the development or operations at El Sobrante Landfill, including but not by way of limitation, any similar personnel for USA WASTE or its successor-in-interest having a responsibility for transferring or delivering waste to the Project, is convicted, indicted by a Grand Jury, or named as a defendant in a felony complaint filed in the Superior Court or a complaint filed in Federal Court associated with conduct of doing business for USA WASTE or its successor-in-interest, this person shall upon written request from the County be immediately removed from any assignment whatsoever, directly associated with the development or operation of the El Sobrante Landfill during the pendency of trial and/or following conviction.

**Status:**

USA Waste has no such matters to report.

- c. In the event any director, official or employee of USA WASTE or its successor-in-interest ever be convicted of a felony associated with the solid waste management business, said director, official or employee will be immediately terminated.

**Status:**

USA Waste has no such matters to report.

- 20a. Within three (3) years of the Start Date, 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.

- b. 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 re-evaluate the feasibility of using alternative fuels in transfer trucks. Such re-evaluations shall be at least every three (3) years. USA WASTE or its successor-in-interest shall, however, conduct such a re-evaluation anytime deemed appropriate by the County.

**Status:**

This Condition of Approval is the same as Mitigation Measure AQ-12. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

21. USA WASTE or its successor-in-interest shall consult with Caltrans regarding the length of the left turn lane on the southbound off ramp from 1-15 to Temescal Canyon Road. The length of the left turn lane shall be sufficient to assure that trucks in the left turn lane do not interfere with vehicles in the right turn lane of the off ramp.

**Status:**

No activity in 2013, road improvements completed in 2003.

22. The Administrative Review Committee (formed pursuant to Section 13 of the Second El Sobrante Landfill Agreement) shall have the following functions:
- a. Review and approval of minor changes to the landfill site plan and/or project plan, which are exempt under the California Environmental Quality Act (CEQA). Changes to the landfill site plan and/or project plan that require revisions to the landfill's operating permits or that require additional CEQA analysis must be reviewed and approved by the Board of Supervisors and the appropriate regulatory agencies.
  - b. Review Mitigation Monitoring Reports submitted by USA WASTE or its successor-in-interest.
  - c. Require USA WASTE or its successor-in-interest to submit additional information regarding performance at the landfill for review.
  - d. Solicit and consider input received from the Citizens Oversight Committee.
  - e. Solicit input from technical experts necessary to perform the review.
  - f. Within 60 days of its annual meeting, the Administrative Review Committee will submit an annual report to the Board of Supervisors and the Citizens Oversight Committee regarding the conformance status of USA WASTE or its successor-in-interest with the conditions imposed on the project. A copy of the Annual Status Report is to be made available for public review at accessible locations.

**Status:**

No minor changes to the landfill site plan were submitted to Administrative Review Committee (ARC) in 2013. In 2013, the ARC reviewed the 2012 Annual Status Reports, solicited comments from the COC, and submitted the Annual Report to the Board of Supervisors.

- 23a. 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, along Temescal Canyon Road between the landfill access road and the intersection of Interstate 15 (I-15) and Temescal Canyon Road.
- b. 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 or complaint.

**Status:**

This Condition of Approval is substantially the same as Mitigation Measure A-7. A discussion of status will be provided in that portion of the 2013 Mitigation Monitoring Program Status Report.

# **Conditions of Approval Status Report**

## **Appendix**

### **County Transportation Department Condition #5**

**Development Monitoring Program- URS Memorandum**



**EL SOBRANTE LANDFILL**

PO Box 77908  
10910 Dawson Canyon Road  
Corona, CA 92877-0130  
(909) 277-1740  
(909) 277-1861 Fax

November 5, 2003

Ms. Leslie Likins  
Riverside County Waste Management Department  
14310 Frederick Street  
Moreno Valley, CA 92553

Subject: Transmittal of the Development Monitoring Program for minimizing transfer truck volume during peak traffic periods, El Sobrante Landfill, Corona, California.

Dear Ms. Likins:

Condition number five of the Transportation Department, March 27, 1998, letter referenced as Exhibit "E" of the Second Agreement, requires the El Sobrante Landfill to develop a program to minimize in and outbound transfer trucks during peak hours.

In order to comply with condition number 5, El Sobrante contracted with the consulting firm URS to conduct a status report and develop a monitoring program. I apologize that this report is being delivered late, but we had extreme difficulty in getting Caltrans District 8 and the South Coast Air Quality Management District to understand our needs and to respond in a timely manner.

Based on the information contained within the report, it is apparent that an ongoing Development Monitoring Program is unwarranted. Therefore, El Sobrante Landfill believes this condition to be complete and will not be developing an ongoing Development Monitoring Program.

Enclosed are three copies of the transportation Development Monitoring Program for the El Sobrante Landfill. If you have any question please call me at (909) 277-5103.

Sincerely,

A handwritten signature in green ink that reads "Damon De Frates". The signature is written in a cursive style and is positioned above the printed name.

Damon De Frates  
District Manager



# Memo

1615 Murray Canyon Road, Suite 1000  
San Diego, CA 92108  
(619) 294-9400 Tel  
(619) 293-7920 Fax

---

**Date:** August 7, 2003  
**To:** Mr. Damon DeFrates, Waste Management  
**From:** Sam Morrissey, URS  
**Subject:** Development Monitoring Program for the El Sobrante Landfill

---

This report documents the Development Monitoring Program for the El Sobrante Landfill site in Riverside County. The preparation of a Development Monitoring Program was specified as a condition of approval for the expansion of the El Sobrante Landfill in 1996 and required the following transportation related conditions of approval:

1. Consultation with Caltrans District 8 and the South Coast Air Quality Management District (SCAQMD) to assure compliance and coordination with the Regional Mobility and Air Quality Management Plans.
2. Development of a program to minimize in and outbound transfer trucks during peak hours.
3. Development of a construction traffic control plan for offsite, public roads to control construction-related traffic impacts during periodic construction of El Sobrante Landfill cells to reduce construction related traffic impacts to local residents and businesses.

This memorandum describes the compliance to the three conditions of approval listed above.

## **1.0 Transportation Related Condition of Approval - Item 1**

*"Consultation with Caltrans District 8 and the South Coast Air Quality Management District (SCAQMD) to assure compliance and coordination with the Regional Mobility and Air Quality Management Plans."*

The Regional Mobility Plan (produced by the Southern California Association of Governments) as well as the Air Quality Management Plan (produced by SCAQMD) have been reviewed, and were found to contain no specific requirements pertaining to the traffic generated by the El Sobrante Landfill. Representatives from Caltrans District 8 and the SCAQMD were consulted and contact information and associated correspondence materials are included in **Appendix A**. A summary of the discussions with both Caltrans District 8 and SCAQMD is provided as follows:

### Discussions with Caltrans District 8

(Contact: Rosa Clarke, Caltrans District 8, 909.383.6908)

Caltrans District 8 staff reviewed information related to the El Sobrante Landfill, including documents and portions of the 1996 EIR document (Final Environmental Impact Report, EL Sobrante Landfill

Expansion, State Clearinghouse No. 90020076, April 1996) and correspondence produced in 1997. Caltrans District 8 issued no comments on the 1996 EIR, and subsequent correspondence issued in 1997 stated that the El Sobrante Landfill was in compliance and all mitigation measures for the state highway system had been provided, as specified in the 1996 EIR. All improvements to the intersections of Temescal Canyon Road at the Interstate 15 northbound and southbound ramps having been provided, as well as all additional improvements to the Interstate 15 ramps. Based on this finding, the El Sobrante Landfill is in compliance and conformance with Caltrans District 8.

Discussions with South Coast Air Quality Management District  
(Contact: Yvonne Sells, SCAQMD, 909.396.3287)

SCAQMD staff reviewed the Air Quality Management Plan (AQMP) and agreed that no element of the AQMP is applicable to El Sobrante Landfill site traffic. SCAQMD staff suggested that Caltrans District 8 staff should be consulted in order to ensure that the El Sobrante Landfill had provided all mitigation measures stipulated in the Conditions of Approval that resulted from the 1996 EIR. Based on this finding, the El Sobrante Landfill is in compliance and conformance with SCAQMD.

**CONCLUSION:** Based on discussions and coordination with Caltrans District 8 and the South Coast Air Quality Management District, the El Sobrante Landfill is in compliance with and consistent with the requirements of the Regional Mobility and Air Quality Management Plans and appropriate clearance has been indicated by staff of the respective agencies.

## **2.0 Transportation Related Condition of Approval - Item 2**

*“Development of a program to minimize in and outbound transfer trucks during peak hours.”*

The operation of the El Sobrante Landfill by necessity results in a pattern of early AM and mid-day transfer truck activity, generally coinciding with the off-peak traffic periods of the adjacent roadway systems. The extent to which transfer truck traffic is minimal during peak hours was documented by review of the existing El Sobrante Landfill trip generation, the trip distribution to the adjacent roadway system and the hourly flows of El Sobrante Landfill traffic. This section also documents the trip generation, distribution, and hourly flows for El Sobrante Landfill traffic at the maximum allowed processing levels.

### El Sobrante Landfill Trip Generation

Waste Management, Inc. maintains detailed records of arrivals and departures of all vehicular traffic associated with the El Sobrante Landfill. Table 1 summarizes the total average vehicle arrivals by vehicle type at the El Sobrante Landfill during the week of March 24, 2003. Table 1 also displays El Sobrante Landfill trips generated during the peak hours of the adjacent roadway system. The peak hours of the adjacent roadway system were determined based on available Caltrans traffic count data. The information on Table 1 was utilized as the basis for understanding daily and peak hour trip generation associated with the El Sobrante Landfill. Appendix B displays El Sobrante Landfill traffic arrivals by vehicle type on an hour-by-hour basis.



**Table 1**  
**Existing Average Daily and Peak Hour Vehicle Arrivals at the El Sobrante Landfill**

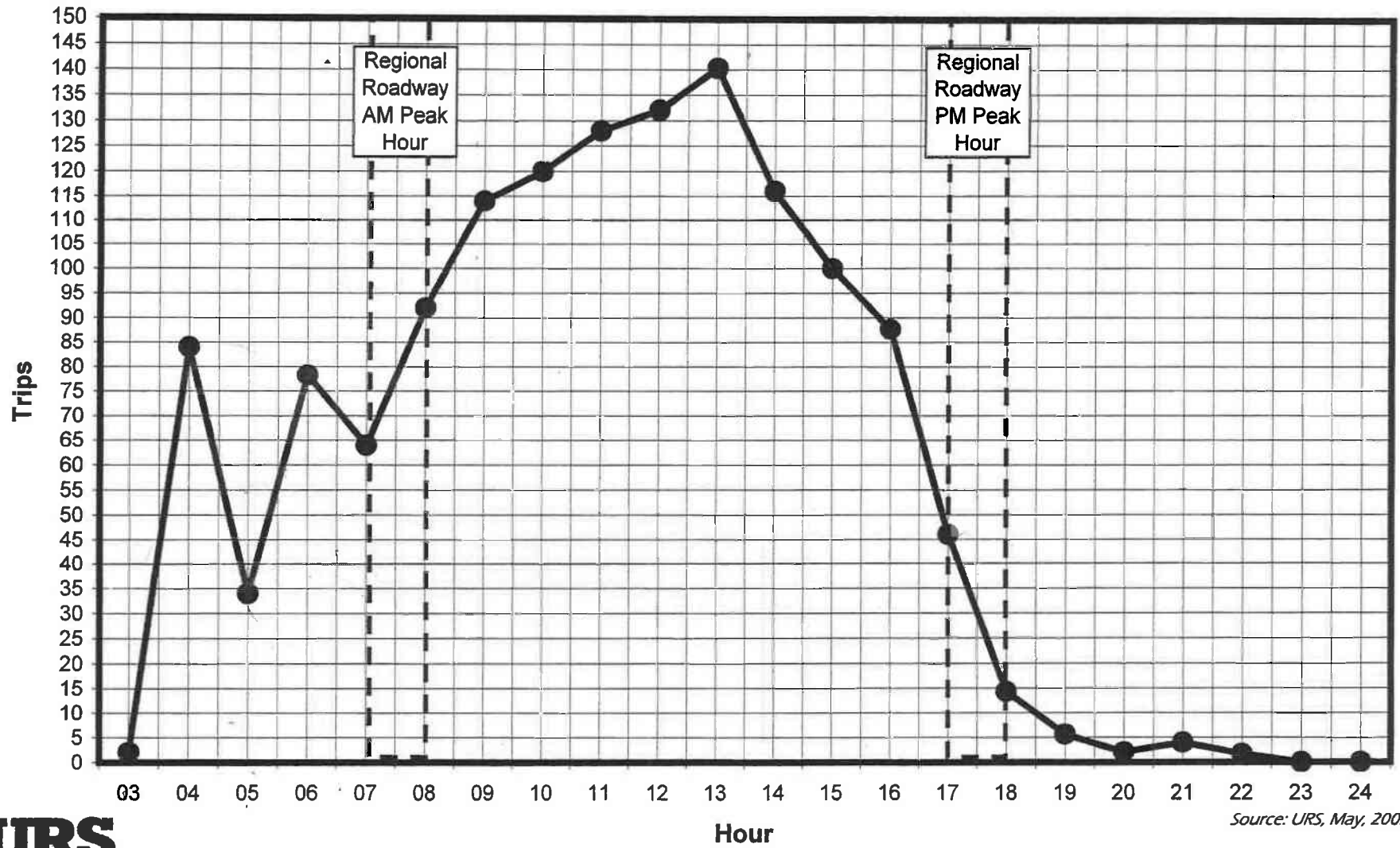
Vehicle Type	Total Daily (vpd)	AM Peak Hour (7AM – 8AM) (vph)	PM Peak Hour (5PM – 6PM) (vph)
Car or Station Wagon	4	0	0
Van, Pickup Truck or Trailer (3 tons)	38	2	2
Truck or 2-Wheel Trailer	156	9	8
Car, Van, or Truck Pulling 2 Wheel Trailer	7	0	0
10-15 Wheel Truck or Tractor Trailer	27	4	1
18 Wheel Tractor Trailer	18	2	0
Commercial Hauler (Non-compacted)	29	2	2
6 Wheel Truck (over 2 tons capacity)	56	3	2
Commercial Waste Hauler (compacted)	74	5	4
Transfer Trailer	273	18	5
Stack Transfer	2	0	0
<b>Total Arrivals</b>	<b>683</b>	<b>46</b>	<b>23</b>
<b>TOTAL DAILY TRIPS</b>	<b>(683 x 2) = 1,366 daily trips</b>	<b>(46 x 2) = 92 AM peak hour trips</b>	<b>(23 x 2) = 46 PM peak hour trips</b>

Source: Waste Management, Inc., March 2003

As shown in Table 1, there is currently an average of 683 daily vehicle arrivals at the El Sobrante Landfill; with 46 AM peak hour arrivals and 23 PM peak hour arrivals. Note that the peak hours represent the peak hours of the adjacent roadway system, and not the peak hours of the El Sobrante Landfill operation. The daily and peak hour vehicle arrivals were multiplied by two (2) to obtain total daily and peak hour trip generation for the El Sobrante Landfill. By this calculation, the El Sobrante Landfill currently generates 1,366 total daily trips, 92 AM peak hour trips, and 46 PM peak hour trips.

Of the total daily trips generated by the El Sobrante Landfill, approximately 7% and 3% occur during the AM and PM peak hours, respectively, of the adjacent roadway system, with 90% of all traffic generated by the El Sobrante Landfill occurring during the off-peak traffic periods.

**Figure 1** displays the temporal pattern of El Sobrante Landfill trips over a 24 hour period. As shown, the peak hour of trip generation at the El Sobrante Landfill occurs at approximately 1:00 PM, with 140 trips. In relation to the peak hours of the adjacent and nearby roadways, the majority of the El Sobrante Landfill traffic occurs before the AM peak hour and during the midday periods prior to the PM peak hour.



Source: URS, May, 2003

**URS**

*El Sobrante Landfill  
Development Monitoring Program*

Figure 1  
Average Hourly Trip Generation

El Sobrante Landfill Truck Traffic Trip Distribution and Trip Assignment

The total daily and peak hour Landfill trips were distributed to the adjacent and nearby roadways and freeways to assess the level of El Sobrante Landfill traffic contribution to the overall traffic on these transportation facilities.

Figure 2 displays the trip distribution assumed in the preparation of the Development Monitoring Program for the El Sobrante Landfill. The trip distribution was developed based upon a review of previous traffic studies for the El Sobrante Landfill, as well as conversations with Waste Management staff. As shown, roughly 65% of all traffic generated by the El Sobrante Landfill currently originates at points west of I-15, and utilizes SR-91 for primary access to I-15 and the El Sobrante Landfill.

Figure 3 displays the assignment of total daily and peak hour traffic associated with the El Sobrante Landfill to the adjacent roadway system.

Percent of Daily and Peak Hour Traffic (Existing Processing Level of Approximately 7,800 tons/day)

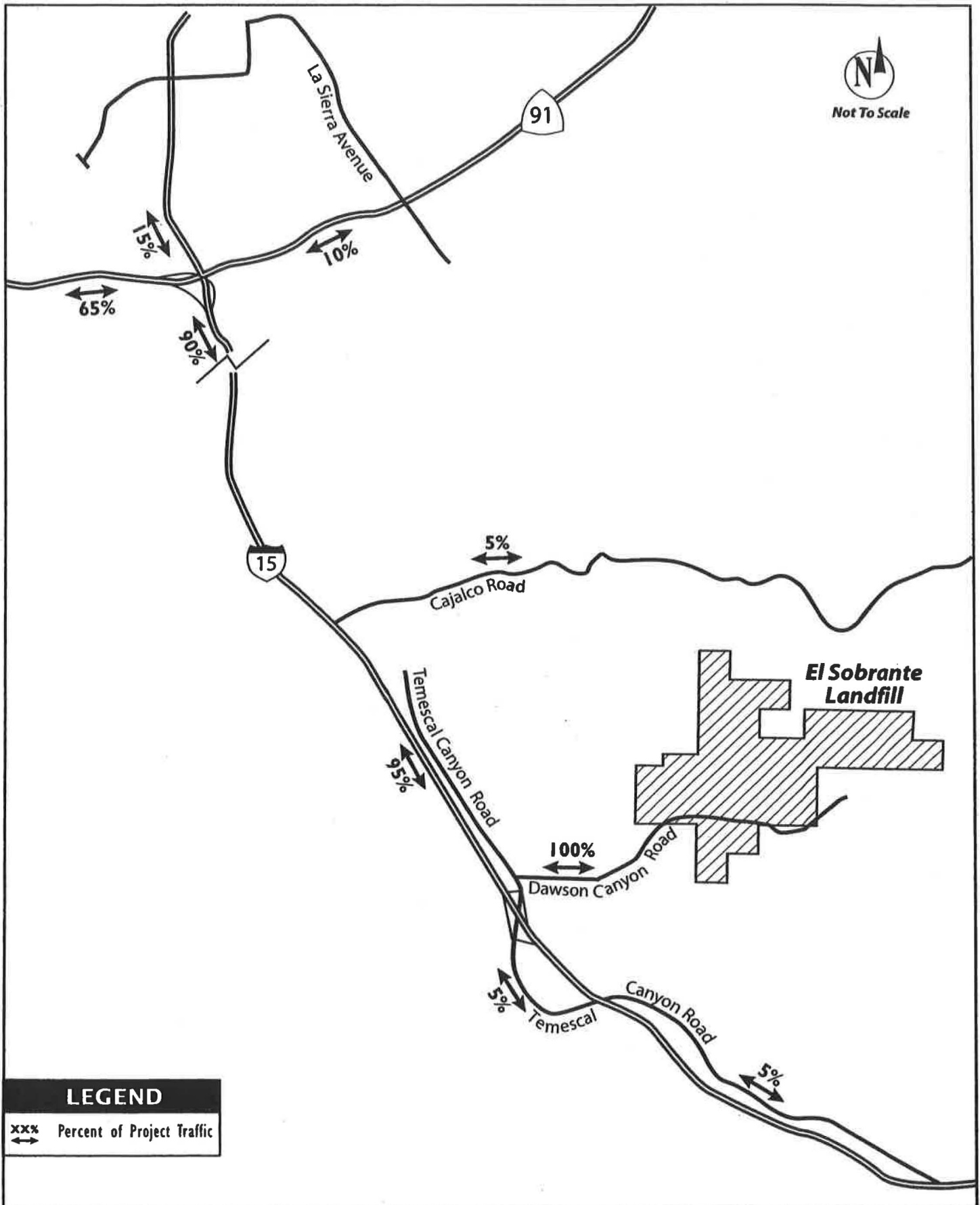
This section summarizes traffic volumes on roadways within the vicinity of the El Sobrante Landfill and the percent contribution associated with the El Sobrante Landfill traffic. Existing traffic count data was obtained from Caltrans and the County of Riverside, as displayed in Appendix C. Figure 4 displays total daily traffic volumes on study area roadways.

Table 2 presents total Average Daily Traffic (ADT) volumes, total trips associated with the El Sobrante Landfill, and the percent of total ADT represented by the El Sobrante Landfill traffic.

**Table 2**  
**Average Daily Traffic Volumes Existing Conditions (~7,800 tons/day)**  
**El Sobrante Landfill Study Area Roadways**

Roadway	Segment	Total Average Daily Traffic Volume	El Sobrante Landfill Daily Trips	Percent of Total Daily Traffic Generated by El Sobrante Landfill
SR-91	N. Main Street to I-15	247,200	888	0.4%
	I-15 to McKinley Street	216,300	137	0.06%
	SR-91 EB to I-15 SB Connector Ramp	57,000	888	1.6%
I-15	I-15 NB to SR-91 WB Connector Ramp	27,000	888	3.3%
	SR-91 to Cajalco Road	156,100	1,230	0.8%
	Cajalco Road to Temescal Canyon Road	115,300	1,298	1.1%
	I-15 NB On-ramp @ Temescal Canyon Road	6,000	1,298	21.6%
	I-15 SB Off-ramp @ Temescal Canyon Road	6,400	1,298	20.3%
Temescal Canyon Road	Cajalco Road to Dawson Canyon Road	3,000	0	0%
	Dawson Canyon Road to I-15 Ramps	2,600	1,298	49.9%
Cajalco Road	I-15 to Temescal Canyon Road	8,500	68	0.8%

Source: URS Corp., May 2003

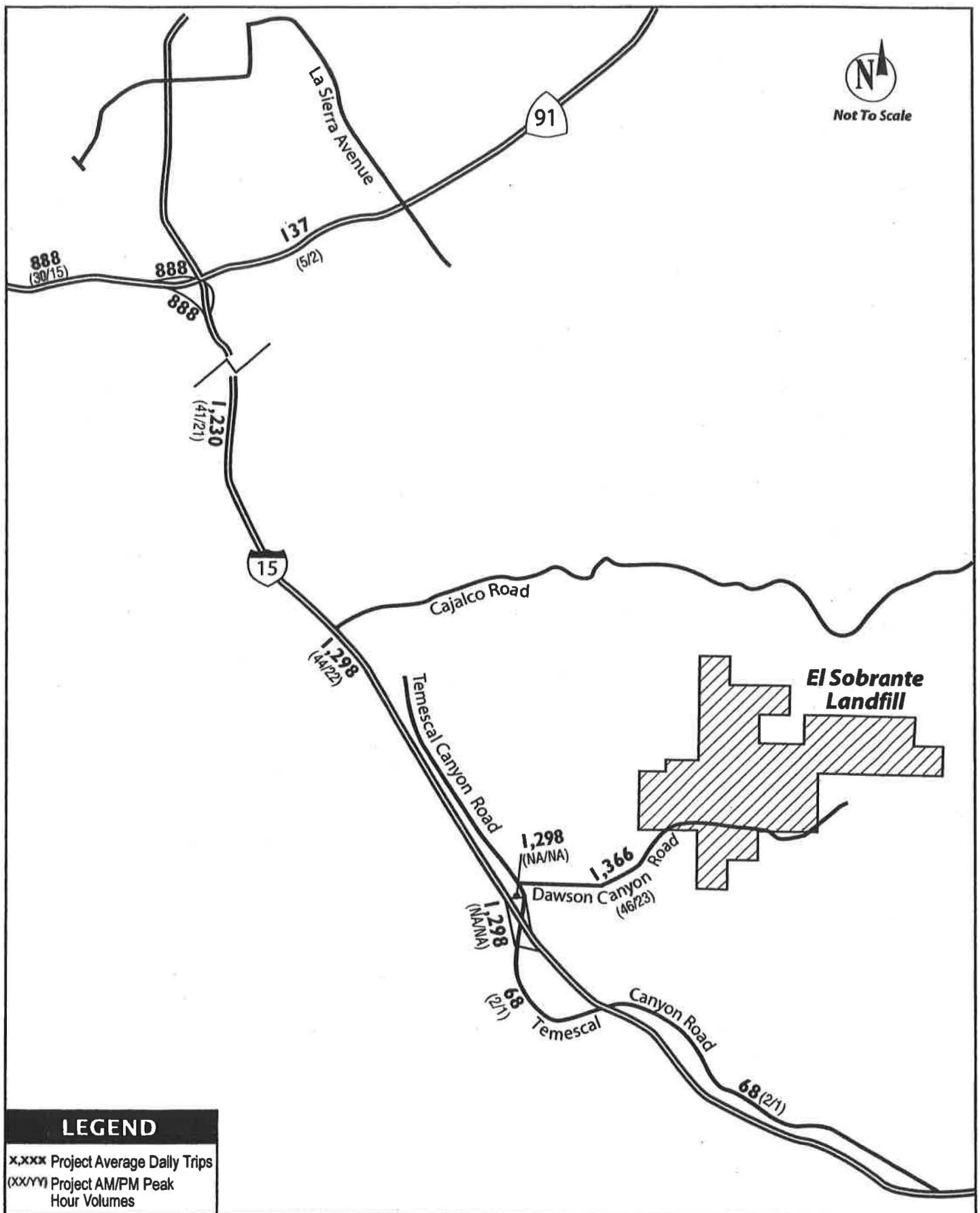


Source: URS April, 2003

**URS**

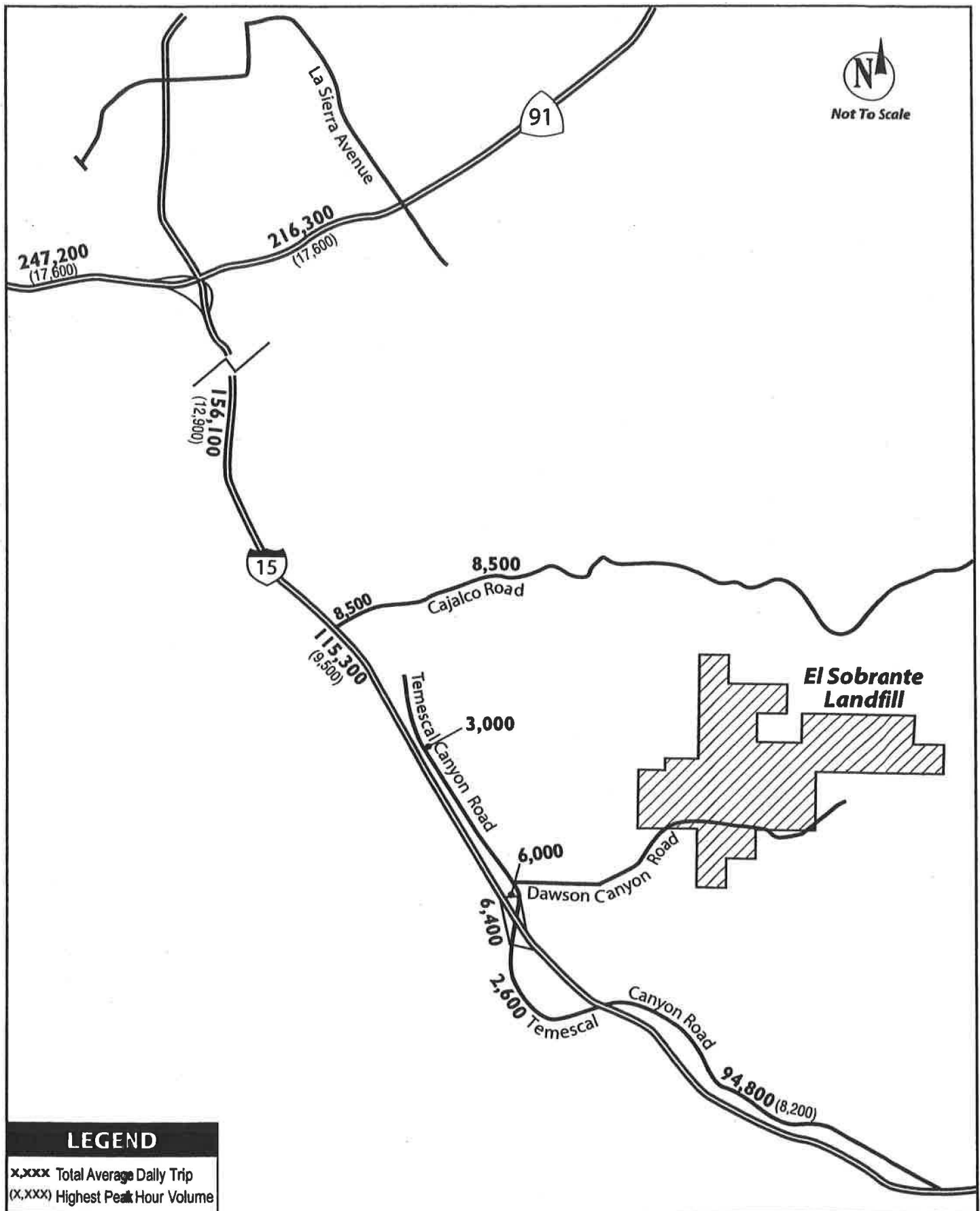
**El Sobrante Landfill  
Development Monitoring Program**

**Figure 2  
Landfill Trip Distribution**



Source: URS April, 2003





Source: URS April, 2003

As shown in Table 2, the El Sobrante Landfill traffic generally represents a rather small proportion of total daily traffic on the adjacent roadway network. On the mainline segments of I-15 and SR-91, the El Sobrante Landfill traffic represents between 0.06% and 3.3% of total daily traffic volumes.

The freeway access ramps and adjacent roadway segments nearest to the El Sobrante Landfill experience the greatest proportion of El Sobrante Landfill traffic on the segment of Temescal Canyon Road between Dawson Canyon Road and the I-15 ramps. Approximately 50% of total daily traffic (1,298 daily El Sobrante Landfill trips) is comprised of El Sobrante Landfill traffic. Although this roadway segment is carrying a substantial volume of El Sobrante Landfill traffic, volumes on the roadway are generally low and the majority of the El Sobrante Landfill trips (approximately 90% or 1,168 trips) occur during the off-peak periods.

Table 3 displays peak hour traffic counts on nearby freeway segments and the percent of traffic represented by El Sobrante Landfill trips.

**Table 3**  
**Peak Hour Traffic Volumes**  
**Existing Conditions (~7,800 tons/day)**  
**El Sobrante Landfill Study Area Freeways**

Freeway	Segment	Highest Total Peak Hour Traffic Volume (both directions) (VHP)	El Sobrante Landfill Peak Hour Trips (both directions) (VPH)	Percent of Total Peak Hour Traffic Generated by El Sobrante Landfill
SR-91	N. Main Street to I-15	17,600	60	0.3%
	I-15 to McKinley Street	17,600	10	0.06%
I-15	SR-91 to Cajalco Road	12,900	82	0.6%
	Cajalco Road to Temescal Canyon Road	9,500	88	0.9%

Source: URS Corp., May 2003

As shown in Table 3, the traffic generated by the El Sobrante Landfill represents a very minor proportion (less than 1%) of traffic during the peak hours of the adjacent and nearby freeway segments.

*Percent of Daily and Peak Hour Traffic (10,000 tons/day)*

Under existing operating conditions, the El Sobrante Landfill can process a maximum of 10,000 tons of waste per day. However, due to a lower level of existing demand, the El Sobrante Landfill is currently processing approximately 7,800 tons of waste per day.

This section summarizes the potential contribution of El Sobrante Landfill traffic assuming full operations at the current maximum allowed processing level of 10,000 tons/day. This allows a consideration of potential worse case conditions under existing permitting.

The daily and peak hour traffic volumes for the El Sobrante Landfill assuming 10,000 tons of waste/day were calculated by increasing the existing average El Sobrante Landfill trip generation by a factor of 10,000/7,800, or 28%.

**Table 4** displays total daily traffic (ADT) volumes on nearby roadways along with the contribution of daily trips generated by the El Sobrante Landfill, assuming operations at 10,000 tons/day. As shown in Table 4, the El Sobrante Landfill traffic would continue to represent a minor proportion of total daily traffic on the adjacent roadway network. On the mainline segments of I-15 and SR-91, the El Sobrante Landfill traffic would represent between 0.08% and 4.2% of total daily traffic volumes.

Similar to the existing conditions, the freeway access ramps and adjacent roadway segments nearest to the El Sobrante Landfill, as the primary linkage between I-15 and the El Sobrante Landfill site, would experience the greatest proportion of daily El Sobrante Landfill traffic.

It should be noted that the contribution of El Sobrante Landfill traffic at the 10,000 tons/day processing level would also entail a growth in the background traffic volumes over time as the El Sobrante Landfill nears the maximum allowed processing level. As such, the percentage of El Sobrante Landfill traffic on the adjacent roadways would likely decrease as the background traffic volumes on the adjacent roadways increases. Therefore, at the point in time when the El Sobrante Landfill reaches the 10,000 tons/day processing level, the proportion of El Sobrante Landfill traffic on the adjacent roadways would likely be less than those shown on Table 4.

**Table 4**  
**Average Daily Traffic Volumes**  
**Maximum El Sobrante Landfill Conditions (~10,000 tons/day)**  
**El Sobrante Landfill Study Area Roadways**

Roadway	Segment	Total Average Daily Traffic Volume	El Sobrante Landfill Daily Trips	Percent of Total Daily Traffic Generated by El Sobrante Landfill
SR-91	N. Main Street to I-15	247,200	1,138	0.5%
	I-15 to McKinley Street	216,300	175	0.08%
	SR-91 EB to I-15 SB Connector Ramp	57,000	1,138	2.0%
I-15	I-15 NB to SR-91 WB Connector Ramp	27,000	1,138	4.2%
	SR-91 to Cajalco Road	156,100	1,574	1.0%
	Cajalco Road to Temescal Canyon Road	115,300	1,661	1.4%
	I-15 NB On-ramp @ Temescal Canyon Road	6,000	1,661	27.7%
	I-15 SB Off-ramp @ Temescal Canyon Road	6,400	1,661	26.0%
Temescal Canyon Road	Cajalco Road to Dawson Canyon Road	3,000	0	0%
	Dawson Canyon Road to I-15 Ramps	2,600	1,661	63.9%
Cajalco Road	I-15 to Temescal Canyon Road	8,500	87	1.0%

Source: URS Corp., May 2003

**Table 5** displays peak hour traffic volumes on adjacent freeway segments, along with the contribution of peak hour trip generated by the El Sobrante Landfill, assuming operations at 10,000 tons/day.



**Table 5**  
**Peak Hour Traffic Volumes**  
**Maximum Landfill Conditions (~10,000 tons/day)**  
**El Sobrante Landfill Study Area Freeways**

Freeway	Segment	Highest Total Peak Hour Traffic Volume (both directions) (VHP)	El Sobrante Landfill Peak Hour Trips (both directions) (VPH)	Percent of Total Peak Hour Traffic Generated by El Sobrante Landfill
SR-91	N. Main Street to I-15	17,600	77	0.4%
	I-15 to McKinley Street	17,600	13	0.07%
I-15	SR-91 to Cajalco Road	12,900	105	0.8%
	Cajalco Road to Temescal Canyon Road	9,500	113	1.2%

Source: URS Corp., May 2003

As shown, even with an increase in the waste processing level at the El Sobrante Landfill, the traffic generated by the El Sobrante Landfill would continue to represent a very minor proportion (less than 1.5%) of peak hour traffic on the adjacent and nearby freeway segments.

**CONCLUSION:** The current Waste Management program to minimize in and outbound transfer truck trips during peak hours is successful as demonstrated by a review of Landfill trip generation, distribution, and resulting contribution to the adjacent roadway system. If the traffic volumes, distributions, and hourly flows were to increase to the levels associated with an increase in the waste processing level (to the maximum allowable level of 10,000 tons per day), the traffic generated by the El Sobrante Landfill would continue to be minimized during peak hours.

### 3.0 Transportation Related Condition of Approval - Item 3

*“Development of a construction traffic control plan for offsite, public roads to control construction-related traffic impacts during periodic construction of landfill cells to reduce construction related traffic impacts to local residents and businesses.”*

New construction is expected to occur at the El Sobrante Landfill every 12 to 18 months. Construction traffic is typically minimal and would at a maximum represent approximately 50 additional trips. The previous sections have shown that the El Sobrante Landfill traffic represents a minor percentage of total vehicle traffic on the adjacent roadways under both existing and maximum allowed processing levels and the minor addition of construction trips could not be significant enough to change these conclusions.

In addition, construction trips typically occur during off-peak periods, and as a result would not substantially increase peak hour traffic. The El Sobrante Landfill currently contributes a relatively minor percentage of traffic to the adjacent roadways during the peak hours (approximately 7% and 3% of the El Sobrante Landfill traffic occurs during the respective AM and PM peak hours on the adjacent and nearby roadway system), the addition of construction traffic to and from the El Sobrante Landfill would represent an imperceptible change in peak hour traffic.

**CONCLUSION:** The construction traffic shall conform to the current Waste Management program to minimize in and outbound transfer truck trips during peak hours. Since construction traffic would be minimal, will occur during off-peak periods, and will not substantially increase peak hour traffic, the