

**Sonoma County
2003 Solid Waste Generation Study**



Prepared for:

Sonoma County Waste Management Agency
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Prepared by:

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Table of Contents

Cover Letter

Section 1: Executive Summary

Section 2: Table 1: 2003 Base Year Summary

Table 2: Scrap Metal Tonnage Summary

Table 3: Winery / Pomace Adjustment Summary

Section 3: New Base Year Request Certification Form

Attachments:

A: *Residential Curbside Recycling and Greenwaste*

B: *Buyback Centers*

C: *Dropoff Centers*

D: *Commercial Generators*

E: *Public Agency Grasscycling*

F: *Residential Backyard Composting*

G: *Business and Agency Surveys*

H: *Sludge Composting and Land Application*

I: *Alternative Daily Cover*

J: *Construction and Demolition Programs*

K: *2003 Disposal Data*

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CHAPTER ONE
EXECUTIVE SUMMARY

Introduction

The Sonoma County Waste Management Agency ("Agency") includes the County of Sonoma and all of the incorporated Cities in the County. The Agency and private sector businesses in the County have made good faith efforts to implement diversion programs designed to achieve 50% diversion, including numerous residential, commercial, industrial, and agricultural programs. Despite these efforts, the Agency's diversion rate was estimated to be 38% in 2002 using the adjusted 1990 base year and the California Integrated Waste Management Board ("CIWMB") adjustment factors. In addition, the Agency's calculated diversion rate has dropped by approximately 1% per year since 2000. Although the Biennial review for the Agency has not been completed, the preliminary diversion rates for 2001 and 2002 are 39% and 38%, respectively.

The Agency engaged R3 Consulting Group ("R3") to conduct a new base year study using 2003 data. In conducting the study, R3 documented existing diversion activities and programs implemented by both the Agency and the private sector. ***The initial results indicate that the Agency's 2003 diversion rate was 55.1%.*** A significant portion of the 2003 diversion was performed by the private sector, and it is likely that the diversion efforts achieved by local businesses were not accurately quantified in the original 1990 waste generation study.

Methodology

R3 accumulated data for the solid waste generation study from the following sources:

- Phone surveys to local and regional materials handlers, including landscapers, recyclers, composting facilities, and inerts processors;
- Phone surveys to businesses, including manufacturing and grocery stores;
- Phone and mail surveys of wineries;
- Agency reports for commercial collection programs;
- Department of Conservation California Redemption Value reports;
- Landfill Reports;
- Agency records of landfill diversion, including drop-off centers and tip-floor sorts;
- Agency reports of residential curbside and greenwaste collection programs;
- Interviews with various public agencies and facilities, including Sonoma State University, local school districts and City and County Parks departments;

Executive Summary



R3

Executive Summary

- University of California Cooperative Extension reports on residential backyard composting tonnages;
- Preliminary disposal and Alternative Daily Cover (ADC) tonnages reported by the Agency and the CIWMB. (The CIWMB has not yet finalized the 2003 disposal tonnages).

The mail and phone surveys were conducted pursuant to the guidelines published in the CIWMB Diversion Study Guide and subsequent conversion factors provided by staff.

All diversion tonnages are documented as actual tons diverted. No attempt was made to extrapolate data across business sectors.

Material handlers were identified by Agency staff, and businesses were identified through the phone book, the internet, references from local residents and business owners, etc.

Summary of Business and Agency Surveys

The R3 project team completed 102 business and public agency surveys, documenting a total of 431,949.9 tons of diversion throughout the County. Of this total, 939.1 tons were documented for source reduction, 363,697.07 for recycling and 67,313.74 for composting activities and programs. (See Attachment G.)

The total tonnage documented for business and agency surveys has been reduced to account for diversion programs that handled restricted wastes, including scrap metal and pomace that were in existence prior to 1990. (See Tables 2 and 3 in Section 2.)

In order to avoid double counting, no tonnages were included from franchise haulers, materials handlers, or California Redemption Value material in the tonnage documented in the business surveys.

The business surveys were essential to quantifying the County-wide diversion rate. Many businesses in the County participate in private recycling programs and practice extensive waste prevention techniques that were not previously documented by the Agency.

Residential Curbside and Greenwaste Recycling

A total of 101,594.35 tons of residential curbside recycling and green waste were documented for 2003, including 49,010.09 tons of curbside recycling and 52,584.26 tons of curbside greenwaste collection. (See Attachment A.)

Please note that DOC data were used for all CRV materials, as opposed to Agency compiled data from the franchised haulers, to avoid double counting.

R3

Executive Summary

Buyback and Drop-off Center Diversion

A total of 5,851.84 tons of buyback center recycling were documented for 2003. In addition, a total of 49,124.49 tons of diversion were documented for drop-off centers, including 623.75 tons of source reduction, 18,922.09 tons of recycling and 1,348.93 tons of biomass were documented for 2003. (See Attachments B and C.)

DOC data were used for all CRV materials, and Agency compiled data from franchise haulers were used for all non-CRV materials.

Commercial Recycling (Franchise)

A total of 26,821.76 tons of commercial recycling were documented for 2003. (See Attachment D.)

The total documented tonnage for commercial recycling activities was reduced to account for diversion programs that handled restricted wastes (scrap metal) that were in existence prior to 1990.

DOC data were used for all CRV materials, and Agency data were used for all non-CRV materials.

Grasscycling

A total of 3,656.97 tons of grass were documented as diverted from landfill disposal through Grasscycling in 2003. (See Attachment E) This represents approximately 481 acres of grass throughout the County that are maintained by grasscycling. The calculated tonnages are based upon the CIWMB approved conversion factor of 7.6 tons/acre/year.

Interviews were conducted with landscape managers, the Superintendent of City Parks, recycling coordinators and maintenance supervisors.

Residential Backyard Composting

A total of 3,676 tons of backyard composting tonnages were documented for 2003, including 762.1 tons of food waste and 2,913.9 tons of greenwaste. (See Attachment F.)

The University of California Cooperative Extension Annual Report for 2003 includes actual surveys of 12,514 adults.

Alternative Daily Cover

A total of 29,237 tons of ADC were documented for 2003. (See Attachment I.) Landfill reports received by the Agency show the following ADC tonnages for 2003:

- 250 tons of mixed waste at Altamont Landfill
- 8 tons of sludge at West Contra Costa Landfill
- 7 tons of green material at Keller Canyon Landfill
- 3,557 tons of green material at Redwood Landfill

R3

Executive Summary

- 8,762 tons of sludge at Redwood Landfill
- 8,120 tons of sludge at Potrero Hills Landfill
- 8,533 tons of green material at Central Landfill

Construction and Demolition Waste

A total of 2,513.48 tons of C&D recycling were documented for 2003. (See Attachment J.)

Restricted Waste

The restricted wastes documented in the 2003 waste generation study include the following:

- **Scrap Metals:** A total of 34,676.05 tons of scrap metal recycling were documented for 2003. However, the Agency is claiming an amount of 8,587.05 tons of scrap metal recycling for the 2003 base year to comply with the "restricted waste" regulations. The 34,676.05 tons include 31,545.13 tons from programs that were implemented before 1990, and 3,130.92 tons for programs that were implemented after 1990. (See Table 2 in Section 2 and Table 10 in Section 3.)

Please note that on December 6, 1994, the CIWMB approved the Agency's request to modify the 1990 scrap metal diversion amount to 26,089 tons. (See SCWMA letter in Section 2.)

The Agency has implemented programs and strategies to prevent the disposal of scrap metal, including variable tip fees that provide an economic incentive to recycle scrap metals, and later a landfill ban on scrap metals.

- **Winery Pomace:** A total of 27,325.03 tons of grape pomace composting were documented in 2003. However, the Agency is claiming an amount of 26,418.03 tons of pomace composting for the 2003 base year to comply with the "restricted waste" regulations. (See Attachment G, Table 3 in Section 2 and Table 10 in Section 3.)

Pomace is a residual material resulting from the crushing of grapes to make wine. The CIWMB provided a conversion factor of 15% of the gross harvest weight for diversion credit if the pomace is composted. In conducting the winery surveys, R3 used a survey that was developed by Napa County. All of the documented pomace was either used in land application or compost feedstock.

- **Inerts:** A total of 334,605.93 tons of inerts recycling were documented in 2003. All of the documented tonnages for inerts are from programs that began between 1995 and 2001. (See Attachment G and Table 10 in Section 3.)

R3

Executive Summary

Sludge

A total of 1,414 tons of sludge generated within Sonoma County were documented as composted in 2003. (See Attachment H.)

A total of 2,294 tons of sludge generated within Sonoma County were documented as land applied in 2003. (See Attachment H.)

A total of 8 tons of sludge generated within Sonoma County were used as ADC at West Contra Costa Landfill. (See Attachment I.)

A total of 8,762 tons of sludge generated within Sonoma County were used as ADC at Redwood Landfill in 2003. (See Attachment I.)

A total of 8,120 tons of sludge generated within Sonoma County were used as ADC at Potrero Hills Landfill in 2003. (See Attachment I.)

In 1990, all sludge generated in the County was disposed in landfills, and the implementation of the first sludge diversion programs began in approximately 1992.

It is our understanding that the Redwood Landfill and Potrero Hills Landfill have satisfied all regulatory requirements for use of sludge as ADC.

Biomass

A total of 1,348.93 tons of wood waste were documented as collected through drop-off programs at Agency facilities and used as biomass fuel in 2003. (See Attachment C.)

Disposal Tonnage Corrections

The Agency's adjusted disposal tonnage for 2003 is in the amount of 523,407.48 tons. (See Attachment K.) The disposal tonnage figure from the Disposal Reporting System included 20,196.35 tons of contaminated soil that was reported as disposed, primarily at the Keller Canyon Landfill. This soil was generated by two construction projects and disposed as contaminated soil. The Agency has been granted a tonnage modification for contaminated soil for the past three years and will request a tonnage reduction for the 20,196.4 tons of contaminated soil disposed in 2003.

The 2003 disposal tonnage figure from the preliminary Disposal Reporting System also included 1,153.17 tons of waste disposed from Federal Indian Lands in Sonoma County. A formal Request for Tonnage Modification is being submitted by the Agency to the CIWMB and is included with this submittal. (See Attachment K.)

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Executive Summary

Conversion Factors

The conversion factors used in the solid waste generation study were identified in the CIWMB Diversion Study Guide, with the exception of the winery pomace conversion factor of 15 percent of gross harvest weight, which was provided by CIWMB staff.

New Base Year Study Calculation Details

Table 1 in Section 2 provides the New Base Year Calculation Summary demonstrating that the County's 2003 diversion rate was 55 percent in 2003. Table 1 also provides the New Base Year calculation details showing the tonnage contributed by each program or generator type.

The collected data and information indicate that the total 2003 waste generation was 1,165,936.1 tons. This amount includes 2003 documented diversion in the amount of 642,528.58 tons, and documented disposal in the amount of 523,407.48 tons.

Based on a 2003 total population of 469,460, the County's per capita waste generation rate is 2.5 tons/person/year, or 13.6 pounds per person per day.

New Base Year Summary

Table 1 provides a summary of the 2003 documented disposal and diversion for the Sonoma County Waste Management Agency:

Table 1
Preliminary Results for 2003 SCWMA Base Year Study

Diversion Categories	Preliminary Tons of Documented Diversion
Residential Curbside Recycling and Greenwaste (Franchisees)	101,594.35
Buyback Centers	5,851.84
Drop-Off Centers	49,124.49
Commercial Recycling Programs	26,821.76
Grasscycling	3,656.97
Backyard Composting	3,676.00
Business Audits - Source Reduction	939.1
Business Audits - Recycling	340,412.07
Business Audits - Composting	66,406.74
Sludge Composting and Land Application	3,708.00
ADC	29,236.73
C & D Collection and Dropoff Programs	2,513.5
Scrap Metal (<i>Adjusted</i>)	8,587.1
Subtotal - Preliminary 2003 Diversion	642,528.58
Total Disposal	544,757.00
Credit for Contaminated Soil Disposed at Central Landfill	(20,196.35)
Credit for Indian Lands Waste	(1,153.17)
Adjusted 2003 Disposal Tonnage	523,407.48
Total Generation	1,165,936.1
Preliminary 2003 Diversion Rate	55.1%

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CHAPTER TWO
PRELIMINARY RESULTS

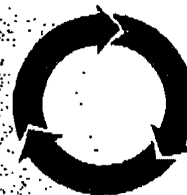
Table 1
Preliminary Results for 2003 Sonoma County Base Year Study

Diversion Categories	Preliminary Tons of Documented Diversion	Notes
Residential Curbside Recycling and Greenwaste (Franchisees)	101,594.35	Attachment A - Reported by SCWMA and DOC
Buyback Centers	5,851.84	Attachment B - R3 Survey and DOC Report
Drop-Off Centers	49,124.49	Attachment C - Reported by SCWMA
Commercial Recycling Programs	26,821.76	Attachment D - Reported by SCWMA and DOC
Grasscycling	3,656.97	Attachment E - R3 Surveys
Backyard Composting	3,676.00	Attachment F - UC Extension Annual Report
Business Audits - Source Reduction	939.1	Attachment G - R3 surveys
Business Audits - Recycling	340,412.07	Attachment G - R3 surveys
Business Audits - Composting	66,406.74	Attachment G - R3 surveys
Sludge Composting and Land Application	3,708.00	Attachment H - R3 Surveys
ADC	29,236.73	Attachment I - SCWMA Report and Preliminary DRS Data
C & D Collection and Dropoff Programs	2,513.5	Attachment J - SCWMA Report and Preliminary DRS Data
Scrap Metal (<i>Adjusted</i>)	8,587.1	Section 2 - Table 2
2003 Documented Diversion Tonnage	642,528.58	
Gross Disposal Tonnage	544,757.00	Attachment K - Preliminary DRS Report from CIWMB
Credit for Contaminated Soil Disposed at Central Landfill	(20,196.35)	Attachment K - Reported by SCWMA
Credit for Indian Lands Waste	(1,153.17)	Attachment K - Reported by SCWMA
2003 Adjusted Disposal Tonnage	523,407.48	
Total Generation	1,165,936.1	
2003 Preliminary Diversion Rate	55.1%	

Table 2
Sonoma County Scrap Metal Summary

	1990 Tons (as adjusted in 1994)		Pre-1990 Program Tons (identified in current study)	Post 1990 Program Tons (identified in current study)	Notes
1990 Tons	26,089.00				See attached letter dated 12/06/94
County Drop-off and Floor Sort			10,345.13		Ref C-1
Metal Recycler			3,200.00		Ref G-10
Metal Recycler			18,000.00		Ref G-10
Commercial Program				1,020.83	Ref D-1
Technology Company				583.00	Ref G-3
Technology Company				2.00	Ref G-6
Recycling Company				300.00	Ref G-11
Inerts Processor				1,200.00	Ref G-100
C&D Program				25.09	Ref J-1
Totals	26,089.00		31,545.13	3,130.92	
Total Identified 2003 Scrap Metal Diversion				34,676.05	
Net 1990 Diversion				(26,089.00)	
Total 2003 Scrap Metal Diversion Credit				8,587.05	

Sonoma County Waste Management Agency



December 6, 1994

Judith Friedman
California Integrated Waste Management Board
8800 Cal Center Drive
Sacramento, CA 95826

Dear Ms. Friedman:

CIWMB staff performed a preliminary review of Sonoma County's restricted waste claim and suggested that our documentation was not sufficient. The statute requires documentation prior to 1989 in order to claim restricted wastes in 1990. Sonoma County still stands behind its original approach and assumptions as reasonable and logical; however, we submit this additional documentation to confirm our claim for diversion credit for restricted wastes.

In 1985, the Sonoma County Board of Supervisors adopted the Sonoma County Solid Waste Management Plan (CoSWMP). Data presented in that plan confirm disposal in local landfills of metals and inerts prior to 1989. Based on the data provided in this document, the following tonnages of metals and inerts were generated.

Metals and Inert Disposal Tonnages Presented In 1985 Sonoma County Solid Waste Management Plan (in tons)									
	1982	1983	1984	1985	1986	1987	1988	1989	1990
Metals	15,000	15,500	15,900	16,500	17,000	17,700	18,300	18,800	19,500
Inerts	12,000	12,400	12,700	13,200	13,600	14,200	14,600	15,000	15,600

These estimates were based on projected population and tonnage data. Actual population and tonnage were greater than projected by the CoSWMP. In 1982, 1990 population was projected at 365,000 when it was actually 388,222; a difference of 6%. Projected tonnage was off by an average of 30% between 1987 and 1993.

Comparison of CoSWMP Projected Tonnage and Actual Tonnage							
	1987	1988	1989	1990	1991	1992	1993
Projected	354,000	365,000	376,000	389,000	403,000	411,000	422,000
Actual	482,684	531,335	538,786	521,779	497,892	496,647	463,623
Difference	128,684	166,335	162,786	132,779	94,892	85,467	41,323
% Difference	36%	45%	43%	34%	23%	21%	10%

When the 34% difference between projected and actual tonnage in 1990 is added to the projected estimates of metals and inerts as provided in the CoSWMP, then the following numbers apply.

Revised Restricted Waste Claim for Sonoma County		
	Metals	Inerts
Projected in 1985 CoSWMP for 1990	19,500	15,600
Actual in 1990 using 1985 CoSWMP Characterization	26,089	20,871
Diversion Claimed in 1990 SWGS	32,540	14,089
New Claim To Credit of Restricted Wastes	26,089	14,089

Although the 1990 SWGS is the most accurate data ever produced on diversion and disposal in Sonoma County, we revise our claim to diversion credit of restricted wastes using the data provided by the 1985 CoSWMP, corrected to reflect actual tonnage generated in 1990.

If you have any questions, please call Lesli Daniel at (707) 527-3687.

Sincerely,


KEN WELLS, DIRECTOR
SONOMA COUNTY WASTE MANAGEMENT AGENCY

Table 3	
2003 Pomace Tonnage Summary	
Total Pomace Recycling Identified in 2003	27,325.03
Ag crop residue diverted in 1990 per County-wide Waste Generation Study	(907.00)
Total 2003 Pomace Diversion Credit	26,418.03

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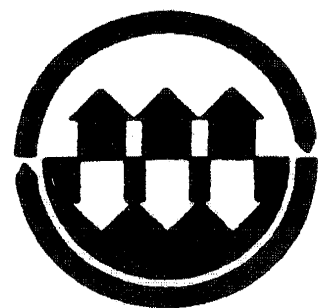


CITY OF SONOMA

SOLID WASTE GENERATION STUDY

SONOMA, CALIFORNIA

February 1992



EMCON
ASSOCIATES

Table F3 DIVERSION RATES BY MATERIAL FOR NONRESIDENTIAL WASTE
Sonoma County, Including Incorporated Cities
(tons, 1990)

MATERIAL	DISPOSED	DIVERTED*		TOTAL GENERATED	DIVERSION RATE (percent)
		Comm/ Ind.	Self Haul		
PAPER (total)	100,374			126,728	
OCC/Kraft	25,804	20,161	105	46,070	44
Magazines	1,376	1,250	0	2,626	48
Mixed Paper	15,833	533	0	16,366	3
Newsprint	9,804	2,801	182	12,788	23
High Grade	11,021	1,226	0	12,247	10
Other Paper	36,341	0	291	36,632	1
PLASTICS (total)	28,955			29,174	0
HDPE	1,293	0	0	1,293	0
PET**	1,023	0	0	1,023	0
Polystyrene Foam	3,801	0	0	3,801	0
Film	6,243	37	0	6,280	1
Other Plastic	16,580	78	118	16,776	1
GLASS (total)	10,458			12,350	0
Refillable Beverage	131	58	0	189	31
CA Redemption Value**	4,122	566	101	4,789	14
Other Recyclable	2,369	322	22	2,714	13
Other Non-Recyclable	3,839	0	820	4,659	18
METALS (total)	36,537			70,863	0
Aluminum Cans**	778	12	5	796	2
Other Aluminum	148	471	10	629	76
Bi-metal Cans	729	0	4	733	1
Steel Food & Bev. Cans	13,725	32	0	13,757	0
Other Ferrous	19,867	31,005	842	51,714	62
Other Non-ferrous	410	191	0	600	32
White Goods	1,357	0	1,278	2,635	49
YARD WASTE (total)	63,557			66,562	0
Leaves and Grass	19,018	46	0	19,063	0
Branches and Brush	44,387	1,524	1,588	47,499	7
OTHER ORGANICS (total)	149,774			154,763	0
Food	21,805	1,452	0	23,257	6
Rubber/Tires	9,005	659	0	9,664	7
Wood	89,518	515	0	90,033	1
Agri. Crop Residue	1,135	907	0	2,042	44
Manure	259	330	0	589	56
Textiles/Leather	12,890	1,076	0	13,966	8
Diapers	2,203	0	0	2,203	0
Other Organics	12,705	0	306	13,010	2
OTHER WASTES (total)	34,024			47,957	0
Inert Solids	26,553	14,089	0	40,642	35
HHW	976	0	45	1,021	4
Appliances	6,294	0	0	6,294	0
SPECIAL WASTES (total)	6,481			6,491	0
Ash	30	0	0	30	0
Sewage Sludge	0	0	0	0	0
Industrial Sludge	0	0	0	0	0
Asbestos	0	0	0	0	0
Auto Shredder Waste/Bodies	0	0	0	0	0
Other Special Wastes	2,217	1	0	2,218	0
Stuffed Furn./Mattresses	4,234	0	10	4,244	0
TOTAL	429,821	79,339	5,728	514,888	17

* See Section 2.5.5 for an explanation of what constitutes the nonresidential diversion waste stream. Numbers are rounded.

**Source reduction accounts for less than .1 percent of the commercial/industrial waste stream.

CHAPTER THREE

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD BASE YEAR MODIFICATION REQUEST CERTIFICATION

Base Year Modification Request Certification**Part 1: Generation Study - No Extrapolation Diversion Data**

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025**

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
Sonoma County Waste Management Agency		Sonoma County	
Authorized Signature		Title	
Type/Print Name of Person Signing	Date	Phone () Include Area Code	
Donna Caldwell		(707)565-3579	
Person Completing This Form (please print or type)		Title	
Steve Harriman			
Affiliation:	R3 Consulting Group		
Mailing Address	City	State	ZIP Code
2300 County Center Drive, Suite 100 B	Santa Rosa	CA	95403
E-Mail Address			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2003

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The 2003 Waste Generation Study has documented extensive diversion in County businesses, materials processors and agriculture. The County has instituted many waste diversion programs over the past 13 years, the results of which is represented in this study.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. 38 %	Diversion rate calculated using new generation-based study	b. 55 %
For existing base year pounds/person/day based on generation	9.3	For new generation based study pounds/person/day based on generation	13.6
Residential generation 20 %	Non-Residential generation 80 %	Residential generation 67% %	Non-Residential generation 33% %
Population existing generation-based study		Population new generation-based study	
		469,460	

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The 1990 waste generation figure grossly underestimated the percentage of waste from the residential sector. In addition, the County population has grown rapidly. There has also been a large increase in the tonnages generated by the wineries and materials processors in the County.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The County has implemented extensive programs including a C and D program and financial incentives for diversion of inerts, and recently banned the disposal of inerts at Central landfill. The 2003 study has documented extensive business waste reduction programs that did not exist in 1990. The County has also implemented operational improvements at Central Landfill including the Recycletown Resue area, sorting of tires, metals and appliances, yard debris, wood waste and other materials at the new tipping building. The following programs have been implemented and recently expanded: backyard composting, residential curbside, agency grasscycling, school recycling, procurement and County in-house recycling, special collections, increased number of dropoff and buyback facilities. The County has also banned disposal of yard debris from the landfill.

7. Disposal Tonnage (enter values):	350683	172724	523407
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.** Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting	3676	0.3%	Food waste and green waste	63.5 tons/month food waste and 2,913.9 tons per month of greenwaste at 70% participation rate	UCCE Surveys -see attached UCCE Annual Report-See Attachment F-Backyard Composting
Grasscycling		0.0%			
Other Residential Source Reduction (list each program separately)					
Dropoff Centers	624	0.1%	reuse of fixtures, furniture, etc.	Actual tonnages	SCWMA Reports-See Attachment C- Buyback Center Source Reduction
		0.0%			
		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	4300	0.4%			
Residential Recycling Activities					
Curbside Recycling	49010	4.2%	Newspaper, OCC, mixed paper, office paper, tin cans, mixed plastic, glass, aluminum, HDPE, PETE	Actual tonnages and CRV reporting system	SCWMA reports, DOC-See Attachment A -Residential Curbside Recycling
Buyback Centers	5852	0.5%	OCC, mixed paper, aluminum, glass, PETE, HDPE, Bimetal	Actual tonnages, CRV Reporting System	Petaluma Recycling Center and DOC See Attachment B- Buyback Center Data
Drop-off Centers	18922	1.6%	Newspaper, OCC, mixed paper, window panes, tin cans, dirt, concrete, rock, porcelain fixtures, mixed plastics tires, wood, glass, PETE, HDPE, Aluminum	Actual weight and CRV reporting system	Transfer station reports/Bay Area Creative Reuse reports, DOC reports See Attachment C- Dropoff Center Data

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	73784	6.3%			
Residential Composting Activities					
Green Waste Drop-off	29579	2.5%			
Curbside Green Waste	52584	4.5%	Greenwaste	Actual tonnages	SCWMA report- See Attachment A- Residential Curbside Greenwaste
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	82163	7.0%			
Subtotal, Residential Diversion	160247	13.7%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	939	0.1%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Public Agency Grasscycling	3657	0.3%	Grass	481.18 acres at 7.6 tons/per/acre-CIWMB conversion factor	Interviews with site landscape managers, Sup of City Parks, Recycling Coordinator, Maintenance Supervisor See Attachment E- Grasscycling Data
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	4596	0.4%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*	340412	29.2%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Commercial Recycling Collection	26822	2.3%	Paper, OCC, tins cans, glass, mixed plastic, aluminum, PETE, HDPE	Actual weights, CRV reporting system	SCWMA reports, DOC-See Attachment D -Commercial Generator Data
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	367234	31.5%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	66407	5.7%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	66407	5.7%			
Subtotal Non-Residential Diversion	438237	37.6%			
Residential/Non-Residential Diversion Activities					
ADC	29237	2.5%	Wood chips, greenwaste, sludge, mixed	Actual tonnages	Marin Co. Department of Public Works, DRS, SCWMA reports See Attachment I -Alternative Daily Cover
Sludge	3708	0.3%	Sludge-composted and land application	Actual tonnages	Laguna Wastewater Treatment Plant Manager-See Attachment H - Sludge Composting and Land Application
Scrap Metal	8587	0.7%	Non-ferrous and ferrous metals	Actual Tonnages	Business Waste Audits, North Bay Reports, C and D Program, County Drop-off: see Attachments C, D, and G(9) and Table 2 Section 2 - Scrap Metal Summary
Construction and Demolition	2513	0.2%	Wood, OCC, tin	Actual Tonnages	North Bay Facility Reports See Attachment J- C&D Collection Program
Landfill Salvage					
Subtotal Residential/Non-Residential Diversion	44045	3.8%			
Total Res/Non-Res Source Reduction Tons	8896	0.8%			
Total Diversion Tons	642529	55.1%			
Total Disposal Tons from Sec.7	523407	44.9%			
Total Generation Tons (Div+Dis)	1165936				

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
Please use the Board's program types. Program type glossary is online at: <a href="http://lwmmb.ca.gov/LGCentral/Paris/Co
educe.htm">lwmmb.ca.gov/LGCentral/Paris/Co educe.htm	(A)	(A/Total Generation)			
Diversion Rate	55%				

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Inerts processor	G99	Concrete and Asphalt processing		77821		77821	6.7%	Interview
Inerts processor	G101	Concrete and Asphalt processing		60000		60000	5.1%	Interview
Inerts processor	G96	Concrete and Asphalt processing		49242		49242	4.2%	Interview
Inerts processor	G100	Concrete and Asphalt processing		38161		38161	3.3%	Interview
Inerts processor	G97	Concrete and Asphalt processing		37197		37197	3.2%	Interview
Inerts processor	G95	Concrete and Asphalt processing		32066		32066	2.8%	Interview
Compost processor	G14	Composting-horse manure			22400	22400	1.9%	Interview
Inerts processor	G98	Concrete and Asphalt processing		22212		22212	1.9%	Interview
Compost processor	G13	Composting-dairy manure			7814	7814	0.7%	Interview
Winery	G47	Pomace composting			6000	6000	0.5%	Mail Survey
Totals				316699	36214	352913	30.3%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

G99- Actual tonnages provided by quarry engineer
G-101- Weighed tonnage from scale receipts
G-96- Weighed tonnage from scale receipts
G100- Actual weight provided by operations personnel
G97- Weighed tonnage from scale receipts
G95- Measured in debris box and truckload quantities @1,855 lbs/cy
G14- 32,000 cy/year @1,400 lbs/cy
G98- Weighed tonnage from scale receipts
G13- Actual tonnage provided by business representative
G47- 40,000 tons crushed -15% of total crush is 6,000 tons

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Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G1	Building material reuse	Nonres	lumber	25.00					interview w/ Operations Director	actual tonnage	
G1	Building material reuse	Nonres	doors, hardware	10.00					interview w/ Operations Director	actual tonnage	
G2	Pallet Recycler	Nonres	Pallets		1,145.00				interview w/ company owner	57,261 pallets recycled in 2003 at 40 lbs/each	
G3	Technology Company	Nonres	Computers	10.00					interview with Facilities Manager	actual tonnage	Computers donated to schools
G3	Technology Company	Nonres	Paper		66.00				interview with Facilities Manager	actual tonnage from document recycler	
G3	Technology Company	Nonres	Plastic Packaging		21.00				interview with Facilities Manager	actual tonnage	
G3	Technology Company	Nonres	Scrap Metal		583.00				interview with Facilities Manager	actual tonnage from recycler	See Table 2 - Section 2
G3	Technology Company	Nonres	Donated Furniture	168.00					interview with Facilities Manager	actual tonnage	furniture donated to schools, nonprofits, etc.
G4	Gardening Service	Nonres	Grasscycling	125.00					interview with Chief Operation Officer	16.5 acres @ 7.6 tons/acre/year	
G4	Gardening Service	Nonres	Yard Clippings			79.00			interview with Chief Operation Officer	300 C.Y. @ 527 lbs/C.Y.	
G5	Gardening Service	Nonres	Grasscycling	380.00					interview w/ company owner	50 acres @ 7.6 tons/acre/year	
G6	Technology Company	Nonres	OCC		35.00				interview with Environmental Manager	actual tonnage	
G6	Technology Company	Nonres	Computers	3.00					interview with Environmental Manager	actual tonnage	Computers donated to schools
G6	Technology Company	Nonres	Mixed paper		28.00				interview with Environmental Manager	actual tonnage	
G6	Technology Company	Nonres	Scrap Metal		2.00				interview with Environmental Manager	actual tonnage	See Table 2 - Section 2
G7	Grocery store	Nonres	Bones/Tallow		420.42				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	OCC		3,405.40				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	Plastics		105.11				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	Produce			1,865.82			interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G8	Grocery store	Nonres	Bones/Tallow		27.20				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G8	Grocery store	Nonres	OCC		1,064.00				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G8	Grocery store	Nonres	Food	31.10					Interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G8	Grocery store	Nonres	Plastics		13.80				Interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G9	Grocery store	Nonres	Bakery Waste			4.89			Interview w/ Corporate Solid Waste Contract Management Firm	1.63 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Bones/Tallow		44.34				Interview w/ Corporate Solid Waste Contract Management Firm	14.78 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Paper		1.95				Interview w/ Corporate Solid Waste Contract Management Firm	0.65 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Grease / Oil		7.83				Interview w/ Corporate Solid Waste Contract Management Firm	2.61 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Newspaper		0.09				Interview w/ Corporate Solid Waste Contract Management Firm	0.03 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	OCC		653.40				Interview w/ Corporate Solid Waste Contract Management Firm	217.8 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Phonebooks		1.17				Interview w/ Corporate Solid Waste Contract Management Firm	.39 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Produce Trim			150.78			Interview w/ Corporate Solid Waste Contract Management Firm	50.26 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Stretch Film		12.69				Interview w/ Corporate Solid Waste Contract Management Firm	4.23 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Wax OCC		40.26				Interview w/ Corporate Solid Waste Contract Management Firm	13.42 tons average per store per year x 3 Sonoma County Stores	
G10	Metal Recycler	Nonres	Non-ferrous		3,200.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G10	Metal Recycler	Nonres	Ferrous		18,000.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G11	Recycling Company	Nonres	Manure			456.00			Interview with owner	651.04 C.Y. @ 1400 lbs/C.Y.	
G11	Recycling Company	Nonres	Ferrous		300.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G12	Food Processor	Nonres	Food Waste		609.00				Interview with Plant Manager	actual tonnage	includes soy solids

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G12	Food Processor	Nonres	Food Waste		735.25				Interview with Plant Manager	173,000 gallons of soy whey @ 8.5 lbs/gallon	
G13	Compost Processor	Nonres	Dairy Manure			7,814.40			Interview with Company Owner	9,600 C.Y. @ 1,628 lbs/C.Y.	
G13	Compost Processor	Nonres	Horse Manure and Bedding			1,126.80			Interview with Company Owner	1,800 C.Y. @ 1,252 lbs/C.Y.	
G13	Compost Processor	Nonres	Grape Pomace			4,300.00			Interview with Company Owner	actual tonnage	
G13	Compost Processor	Nonres	Food Waste			432.90			Interview with Company Owner	600 C.Y. @ 1,443 lbs/C.Y.	
G13	Compost Processor	Nonres	Fir Shavings			220.00			Interview with Company Owner	1000 C.Y. @ 440 lbs/C.Y.	
G14	Compost Processor	Nonres	Horse Manure			22,400.00			Interview with Plant Manager	32,000 C.Y. @ 1,400 lbs/C.Y.	
G14	Compost Processor	Nonres	Plant trimmings			1,584.00			Interview with Plant Manager	29,331 C.Y. @ 108 lbs/C.Y.	
G15	Compost Processor	Nonres	Concrete/Asphalt		15,000.00				Interview with Company Owner	actual tonnage	Restricted waste - see attachment
G15	Compost Processor	Nonres	Sawdust			3,750.00			Interview with Company Owner	20,000 C.Y. @ 375 lbs/C.Y.	
G16	Regional Park Agency	Nonres	Manure			75.12			Recycling Coordinator	120 C.Y. @ 1,252 lbs/C.Y.	
G17	Winery	Nonres	Pomace			24.00			SCWMA Mail Survey	15% of 160 ton grape harvest in 2003	Based on CIWMB conversion factor
G18	Winery	Nonres	Pomace			0.60			SCWMA Survey	15% of 3.9 ton grape harvest in 2003	Based on CIWMB conversion factor
G19	Winery	Nonres	Pomace			1.20			SCWMA Mail Survey	15% of 8 ton grape harvest in 2003	Based on CIWMB conversion factor
G20	Winery	Nonres	Pomace			103.20			SCWMA Survey	15% of 688 ton grape harvest in 2003	Based on CIWMB conversion factor
G21	Winery	Nonres	Pomace			150.00			SCWMA Survey	15% of 1,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G22	Winery	Nonres	Pomace			43.50			SCWMA Survey	15% of 290 ton grape harvest in 2003	Based on CIWMB conversion factor
G23	Winery	Nonres	Pomace			60.00			SCWMA Survey	15% of 400 ton grape harvest in 2003	Based on CIWMB conversion factor
G24	Winery	Nonres	Pomace			12.60			SCWMA Mail Survey	15% of 82 ton grape harvest in 2003	Based on CIWMB conversion factor
G25	Winery	Nonres	Pomace			7.50			SCWMA Survey	15% of 50 ton grape harvest in 2003	Based on CIWMB conversion factor
G26	Winery	Nonres	Pomace			75.00			SCWMA Survey	15% of 500 ton grape harvest in 2003	Based on CIWMB conversion factor
G27	Winery	Nonres	Pomace			105.00			SCWMA Survey	15% of 700 ton grape harvest in 2003	Based on CIWMB conversion factor
G28	Winery	Nonres	Pomace			88.50			SCWMA Survey	15% of 590.3 ton grape harvest in 2003	Based on CIWMB conversion factor
G29	Winery	Nonres	Pomace			414.75			SCWMA Mail Survey	15% of 2,765 ton grape harvest in 2003	Based on CIWMB conversion factor
G30	Winery	Nonres	Pomace			124.50			SCWMA Mail Survey	15% of 830 ton grape harvest in 2003	Based on CIWMB conversion factor
G31	Winery	Nonres	Pomace			8.25			SCWMA Mail Survey	15% of 55 ton grape harvest in 2003	Based on CIWMB conversion factor
G32	Winery	Nonres	Pomace			1,169.25			SCWMA Mail Survey	15% of 7,795 ton grape harvest in 2003	Based on CIWMB conversion factor
G33	Winery	Nonres	Pomace			9.75			SCWMA Mail Survey	15% of 65 ton grape harvest in 2003	Based on CIWMB conversion factor
G34	Winery	Nonres	Pomace			3,600.00			SCWMA Mail Survey	15% of 24,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G35	Winery	Nonres	Pomace			75.00			SCWMA Mail Survey	15% of 500 ton grape harvest in 2003	Based on CIWMB conversion factor

**Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003**

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G36	Winery	Nonres	Pomace			31.05			SCWMA Mail Survey	15% of 207 ton grape harvest in 2003	Based on CIWMB conversion factor
G37	Winery	Nonres	Pomace			2.25			SCWMA Mail Survey	15% of 15 ton grape harvest in 2003	Based on CIWMB conversion factor
G38	Winery	Nonres	Pomace			60.00			SCWMA Mail Survey	15% of 400 ton grape harvest in 2003	Based on CIWMB conversion factor
G39	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G40	Winery	Nonres	Pomace			32.40			SCWMA Mail Survey	15% of 216 ton grape harvest in 2003	Based on CIWMB conversion factor
G41	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G42	Winery	Nonres	Pomace			515.55			SCWMA Mail Survey	15% of 3,437 ton grape harvest in 2003	Based on CIWMB conversion factor
G43	Winery	Nonres	Pomace			22.50			SCWMA Mail Survey	15% of 150 ton grape harvest in 2003	Based on CIWMB conversion factor
G44	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G45	Winery	Nonres	Pomace			4.50			SCWMA Mail Survey	15% of 30 ton grape harvest in 2003	Based on CIWMB conversion factor
G46	Winery	Nonres	Pomace			21.00			SCWMA Mail Survey	15% of 140 ton grape harvest in 2003	Based on CIWMB conversion factor
G47	Winery	Nonres	Pomace			6,000.00			SCWMA Mail Survey	15% of 40,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G48	Winery	Nonres	Pomace			1,110.00			SCWMA Mail Survey	15% of 7,400 ton grape harvest in 2003	Based on CIWMB conversion factor
G49	Winery	Nonres	Pomace			320.25			SCWMA Mail Survey	15% of 2,135 ton grape harvest in 2003	Based on CIWMB conversion factor
G50	Winery	Nonres	Pomace			16.50			SCWMA Mail Survey	15% of 110 ton grape harvest in 2003	Based on CIWMB conversion factor
G51	Winery	Nonres	Pomace			60.75			SCWMA Mail Survey	15% of 405 ton grape harvest in 2003	Based on CIWMB conversion factor
G52	Winery	Nonres	Pomace			15.08			SCWMA Mail Survey	15% of 100.5 ton grape harvest in 2003	Based on CIWMB conversion factor
G53	Winery	Nonres	Pomace			63.75			SCWMA Mail Survey	15% of 425 ton grape harvest in 2003	Based on CIWMB conversion factor
G54	Winery	Nonres	Pomace			20.10			SCWMA Mail Survey	15% of 134 ton grape harvest in 2003	Based on CIWMB conversion factor
G55	Winery	Nonres	Pomace			1,015.05			SCWMA Mail Survey	15% of 6,767 ton grape harvest in 2003	Based on CIWMB conversion factor
G56	Winery	Nonres	Pomace			1,723.50			SCWMA Mail Survey	15% of 11,490 ton grape harvest in 2003	Based on CIWMB conversion factor
G57	Winery	Nonres	Pomace			369.20			SCWMA Survey	15% of 2461.5 ton grape harvest in 2003	Based on CIWMB conversion factor
G58	Winery	Nonres	Pomace			52.50			SCWMA Mail Survey	15% of 350 ton grape harvest in 2003	Based on CIWMB conversion factor
G59	Winery	Nonres	Pomace			10.50			SCWMA Mail Survey	15% of 70 ton grape harvest in 2003	Based on CIWMB conversion factor
G60	Winery	Nonres	Pomace			28.20			SCWMA Mail Survey	15% of 188 ton grape harvest in 2003	Based on CIWMB conversion factor
G61	Winery	Nonres	Pomace			46.95			SCWMA Mail Survey	15% of 313 ton grape harvest in 2003	Based on CIWMB conversion factor
G62	Winery	Nonres	Pomace			8.34			SCWMA Mail Survey	15% of 55.61 ton grape harvest in 2003	Based on CIWMB conversion factor
G63	Winery	Nonres	Pomace			82.74			SCWMA Mail Survey	15% of 551.62 ton grape harvest in 2003	Based on CIWMB conversion factor
G64	Winery	Nonres	Pomace			31.65			SCWMA Mail Survey	15% of 211 ton grape harvest in 2003	Based on CIWMB conversion factor

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G65	Winery	Nonres	Pomace			41.25			SCWMA Mail Survey	15% of 275 ton grape harvest in 2003	Based on CIWMB conversion factor
G66	Winery	Nonres	Pomace			52.50			SCWMA Mail Survey	15% of 350 ton grape harvest in 2003	Based on CIWMB conversion factor
G67	Winery	Nonres	Pomace			347.84			SCWMA Mail Survey	15% of 2,318.9 ton grape harvest in 2003	Based on CIWMB conversion factor
G68	Winery	Nonres	Pomace			114.60			SCWMA Mail Survey	15% of 764 ton grape harvest in 2003	Based on CIWMB conversion factor
G69	Winery	Nonres	Pomace			99.00			SCWMA Mail Survey	15% of 660 ton grape harvest in 2003	Based on CIWMB conversion factor
G70	Winery	Nonres	Pomace			2.70			SCWMA Mail Survey	15% of 18 ton grape harvest in 2003	Based on CIWMB conversion factor
G71	Winery	Nonres	Pomace			12.00			SCWMA Mail Survey	15% of 80 ton grape harvest in 2003	Based on CIWMB conversion factor
G72	Winery	Nonres	Pomace			45.90			SCWMA Mail Survey	15% of 306 ton grape harvest in 2003	Based on CIWMB conversion factor
G73	Winery	Nonres	Pomace			1,129.50			SCWMA Mail Survey	15% of 7,530 ton grape harvest in 2003	Based on CIWMB conversion factor
G74	Winery	Nonres	Pomace			0.75			SCWMA Mail Survey	15% of 5 ton grape harvest in 2003	Based on CIWMB conversion factor
G75	Winery	Nonres	Pomace			1,557.60			SCWMA Mail Survey	15% of 10,384 ton grape harvest in 2003	Based on CIWMB conversion factor
G76	Winery	Nonres	Pomace			12.00			SCWMA Mail Survey	15% of 80 ton grape harvest in 2003	Based on CIWMB conversion factor
G77	Winery	Nonres	Pomace			32.25			SCWMA Mail Survey	15% of 215 ton grape harvest in 2003	Based on CIWMB conversion factor
G78	Winery	Nonres	Pomace			1.80			SCWMA Mail Survey	15% of 12 ton grape harvest in 2003	Based on CIWMB conversion factor
G79	Winery	Nonres	Pomace			33.45			SCWMA Mail Survey	15% of 223 ton grape harvest in 2003	Based on CIWMB conversion factor
G80	Winery	Nonres	Pomace			51.60			SCWMA Mail Survey	15% of 344 ton grape harvest in 2003	Based on CIWMB conversion factor
G81	Winery	Nonres	Pomace			358.05			SCWMA Mail Survey	15% of 2,387 ton grape harvest in 2003	Based on CIWMB conversion factor
G82	Winery	Nonres	Pomace			12.60			SCWMA Mail Survey	15% of 84.01 ton grape harvest in 2003	Based on CIWMB conversion factor
G83	Winery	Nonres	Pomace			25.17			SCWMA Mail Survey	15% of 167.8 ton grape harvest in 2003	Based on CIWMB conversion factor
G84	Winery	Nonres	Pomace			190.65			SCWMA Mail Survey	15% of 1,271 ton grape harvest in 2003	Based on CIWMB conversion factor
G85	Winery	Nonres	Pomace			632.10			SCWMA Mail Survey	15% of 4,214 ton grape harvest in 2003	Based on CIWMB conversion factor
G86	Winery	Nonres	Pomace			360.00			SCWMA Mail Survey	15% of 2,400 ton grape harvest in 2003	Based on CIWMB conversion factor
G87	Winery	Nonres	Pomace			33.75			SCWMA Mail Survey	15% of 225 ton grape harvest in 2003	Based on CIWMB conversion factor
G88	Winery	Nonres	Pomace			9.00			SCWMA Mail Survey	15% of 60 ton grape harvest in 2003	Based on CIWMB conversion factor
G89	Winery	Nonres	Pomace			0.90			SCWMA Mail Survey	15% of 6 ton grape harvest in 2003	Based on CIWMB conversion factor
G90	Winery	Nonres	Pomace			7.50			SCWMA Mail Survey	15% of 50 ton grape harvest in 2003	Based on CIWMB conversion factor
G91	Winery	Nonres	Pomace			51.30			SCWMA Mail Survey	15% of 342 ton grape harvest in 2003	Based on CIWMB conversion factor
G92	Winery	Nonres	Pomace			24.03			SCWMA Mail Survey	15% of 160.2 ton grape harvest in 2003	Based on CIWMB conversion factor
G93	Winery	Nonres	Pomace			30.00			SCWMA Mail Survey	15% of 200 ton grape harvest in 2003	Based on CIWMB conversion factor

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G94	Winery	Nonres	Pomace			7.08			SCWMA Mail Survey	15% of 47.2 ton grape harvest in 2003	Based on CIWMB conversion factor
G95	Inerts Processor	Nonres	Concrete/Asphalt		32,066.00				interview with Facility Manager	34,573 C.Y. @ 1,855 lbs C.Y.	See Table 10 - Section 3
G96	Inerts Processor	Nonres	Concrete/Asphalt		49,242.00				interview with Operations Manager	actual tonnage	See Table 10 - Section 3
G97	Inerts Processor	Nonres	Concrete/Asphalt		37,197.00				interview with Office Manager	actual tonnage	See Table 10 - Section 3
G98	Inerts Processor	Nonres	Concrete/Asphalt		22,212.00				Company Vice-President	actual tonnage	See Table 10 - Section 3
G99	Inerts Processor	Nonres	Concrete/Asphalt		77,821.00				interview with Quarry Engineer	actual tonnage	See Table 10 - Section 3
G100	Inerts Processor	Nonres	Concrete/Asphalt		38,161.00				interview with Operations Manager	actual tonnage	See Table 10 - Section 3
G100	Inerts Processor	Nonres	Scrap Metal		1,200.00				interview with Operations Manager	actual tonnage	See Table 2 - Section 2
G101	Inerts Processor	Nonres	Concrete/Asphalt		60,000.00				interview with Company Employee	actual tonnages	See Table 10 - Section 3
G102	Sonoma State University	Nonres	Source Reduction	23.50					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Materials Exchange	42.00					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Salvage yards	6.00					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Cardboard		49.10				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Office paper		102.80				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Plastics		1.10				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Grasscycling	115.50					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Composting			29.00			AB 75 Report	actual tonnages	
G103	County Office In-house	Nonres	Mixed paper		123.16						
Total 2003 Business and Agency Audits				939.10	363,697.07	67,313.74	-	-			
1990 Pomace Deduction						(907.00)				See Table 3 in Section 2 - Pomace adjustment	
Scrap Metal Deduction					(23,285)					See Table 2 in Section 2 - Scrap Metal Summary	
Adjusted Totals				939.10	340,412.07	66,406.74					
Adjusted Total Business and Agency Audits						407,757.91					

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept."

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Pull Down for Waste Types ▼	See Attached Restricted Waste Spreadsheet		
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

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Section 10: Restricted Waste Spreadsheet - Sonoma County Waste Generation Study (programs started after 1990)

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G3	Scrap Metal	Business Recycling Program	Table 2 - Section 2	583.00
G6	Mixed Scrap Metal	Business Recycling Program	Table 2 - Section 2	2.00
G10	Non- Ferrous Metals	Business Recycling Program	Table 2 - Section 2	3,200.00
G10	Ferrous Metals	Business Recycling Program	Table 2 - Section 2	18,000
G11	Ferrous Metals	Business Recycling Program	Table 2 - Section 2	300.00
Attachement J	Metal	County C & D Colletion Program	Table 2 - Section 2	25.09
Attachment D	Scrap Metal	Commercial Collection	Table 2 - Section 2	1,020.83
Attachment C	Scrap Metal	Dropoff Center Data for 2003	Table 2 - Section 2	10,076.48
G100	Ferrous Metals	Business Recycling Program	Table 2 - Section 2	1,200.00
<i>Sub-Total: 2003 Scrap Metal Recycling</i>				<i>34,407.40</i>
G13	Grape Pomace	Composting	Table 3 - Section 2	4,300.00
G17	Grape Pomace	Composting	Table 3 - Section 2	24.00
G18	Grape Pomace	Composting	Table 3 - Section 2	0.60
G19	Grape Pomace	Composting	Table 3 - Section 2	1.20
G20	Grape Pomace	Composting	Table 3 - Section 2	103.20
G21	Grape Pomace	Composting	Table 3 - Section 2	150.00
G22	Grape Pomace	Composting	Table 3 - Section 2	43.50

Section 10: Restricted Waste Spreadsheet - Sonoma County Waste Generation Study (programs started after 1990)

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G23	Grape Pomace	Composting	Table 3 - Section 2	60.00
G24	Grape Pomace	Composting	Table 3 - Section 2	12.60
G25	Grape Pomace	Composting	Table 3 - Section 2	7.50
G26	Grape Pomace	Composting	Table 3 - Section 2	75.00
G27	Grape Pomace	Composting	Table 3 - Section 2	105.00
G28	Grape Pomace	Composting	Table 3 - Section 2	88.50
G29	Grape Pomace	Composting	Table 3 - Section 2	414.75
G30	Grape Pomace	Composting	Table 3 - Section 2	124.50
G31	Grape Pomace	Composting	Table 3 - Section 2	8.25
G32	Grape Pomace	Composting	Table 3 - Section 2	1,169.25
G33	Grape Pomace	Composting	Table 3 - Section 2	9.75
G34	Grape Pomace	Composting	Table 3 - Section 2	3,600.00
G35	Grape Pomace	Composting	Table 3 - Section 2	75.00
G36	Grape Pomace	Composting	Table 3 - Section 2	31.05
G37	Grape Pomace	Composting	Table 3 - Section 2	2.25
G38	Grape Pomace	Composting	Table 3 - Section 2	60.00
G39	Grape Pomace	Composting	Table 3 - Section 2	3.75

Section 10: Restricted Waste Spreadsheet - Sonoma County Waste Generation Study (programs started after 1990)

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G40	Grape Pomace	Composting	Table 3 - Section 2	32.40
G41	Grape Pomace	Composting	Table 3 - Section 2	3.75
G42	Grape Pomace	Composting	Table 3 - Section 2	515.55
G43	Grape Pomace	Composting	Table 3 - Section 2	22.50
G44	Grape Pomace	Composting	Table 3 - Section 2	3.75
G45	Grape Pomace	Composting	Table 3 - Section 2	4.50
G46	Grape Pomace	Composting	Table 3 - Section 2	21.00
G47	Grape Pomace	Composting	Table 3 - Section 2	6,000.00
G48	Grape Pomace	Composting	Table 3 - Section 2	1,110.00
G49	Grape Pomace	Composting	Table 3 - Section 2	320.25
G50	Grape Pomace	Composting	Table 3 - Section 2	16.50
G51	Grape Pomace	Composting	Table 3 - Section 2	60.75
G52	Grape Pomace	Composting	Table 3 - Section 2	15.08
G53	Grape Pomace	Composting	Table 3 - Section 2	63.75
G54	Grape Pomace	Composting	Table 3 - Section 2	20.10
G55	Grape Pomace	Composting	Table 3 - Section 2	1,015.05
G56	Grape Pomace	Composting	Table 3 - Section 2	1,723.50

Section 10: Restricted Waste Spreadsheet - Sonoma County Waste Generation Study (programs started after 1990)

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G57	Grape Pomace	Composting	Table 3 - Section 2	369.20
G58	Grape Pomace	Composting	Table 3 - Section 2	52.50
G59	Grape Pomace	Composting	Table 3 - Section 2	10.50
G60	Grape Pomace	Composting	Table 3 - Section 2	28.20
G61	Grape Pomace	Composting	Table 3 - Section 2	46.95
G62	Grape Pomace	Composting	Table 3 - Section 2	8.34
G63	Grape Pomace	Composting	Table 3 - Section 2	82.74
G64	Grape Pomace	Composting	Table 3 - Section 2	31.65
G65	Grape Pomace	Composting	Table 3 - Section 2	41.25
G66	Grape Pomace	Composting	Table 3 - Section 2	52.50
G67	Grape Pomace	Composting	Table 3 - Section 2	347.84
G68	Grape Pomace	Composting	Table 3 - Section 2	114.60
G69	Grape Pomace	Composting	Table 3 - Section 2	99.00
G70	Grape Pomace	Composting	Table 3 - Section 2	2.70
G71	Grape Pomace	Composting	Table 3 - Section 2	12.00
G72	Grape Pomace	Composting	Table 3 - Section 2	45.90
G73	Grape Pomace	Composting	Table 3 - Section 2	1,129.50

Section 10: Restricted Waste Spreadsheet - Sonoma County Waste Generation Study (programs started after 1990)

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G74	Grape Pomace	Composting	Table 3 - Section 2	0.75
G75	Grape Pomace	Composting	Table 3 - Section 2	1,557.60
G76	Grape Pomace	Composting	Table 3 - Section 2	12.00
G77	Grape Pomace	Composting	Table 3 - Section 2	32.25
G78	Grape Pomace	Composting	Table 3 - Section 2	1.80
G79	Grape Pomace	Composting	Table 3 - Section 2	33.45
G80	Grape Pomace	Composting	Table 3 - Section 2	51.60
G81	Grape Pomace	Composting	Table 3 - Section 2	358.05
G82	Grape Pomace	Composting	Table 3 - Section 2	12.60
G83	Grape Pomace	Composting	Table 3 - Section 2	25.17
G84	Grape Pomace	Composting	Table 3 - Section 2	190.65
G85	Grape Pomace	Composting	Table 3 - Section 2	632.10
G86	Grape Pomace	Composting	Table 3 - Section 2	360.00
G87	Grape Pomace	Composting	Table 3 - Section 2	33.75
G88	Grape Pomace	Composting	Table 3 - Section 2	9.00
G89	Grape Pomace	Composting	Table 3 - Section 2	0.90
G90	Grape Pomace	Composting	Table 3 - Section 2	7.50

Section 10: Restricted Waste Spreadsheet - Sonoma County Waste Generation Study (programs started after 1990)

Reference Number	Restricted Waste Type	Specific Program Name	Year Started	Tonnage
G91	Grape Pomace	Composting	Table 3 - Section 2	51.30
G92	Grape Pomace	Composting	Table 3 - Section 2	24.03
G93	Grape Pomace	Composting	Table 3 - Section 2	30.00
G94	Grape Pomace	Composting	Table 3 - Section 2	7.08
<i>Sub-Total: 2003 Pomace Composting</i>				27,325.03
G95	Concrete/Asphalt	Business Recycling Program	2001	32,066.00
G15	Concrete/Asphalt	Business Recycling Program	1999	15,000.00
G96	Concrete/Asphalt	Business Recycling Program	1994	49,242.00
G97	Concrete/Asphalt	Business Recycling Program	1996	37,197.00
G98	Concrete/Asphalt	Business Recycling Program	1995	22,212.00
G99	Concrete/Asphalt	Business Recycling Program	1994	77,821.00
G100	Concrete/Asphalt	Business Recycling Program	1991	38,161.00
G101	Concrete/Asphalt	Business Recycling Program	2001	60,000.00
Attachment C	Dirt	Dropoff Center Data for 2003	1991	2,822.73
Attachment C	Concrete/Asphalt	Dropoff Center Data for 2003	1991	84.20
<i>Sub-Total: 2003 Inerts Recycling</i>				334,605.93
Total 2003 Restricted Wastes				396,338.36

ATTACHMENT A

SONOMA COUNTY RESIDENTIAL CURBSIDE RECYCLING
AND GREEN WASTE DATA FOR 2003

Attachment A

Sonoma County Residential Curbside Recycling and Greenwaste Data for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
A1	Residential Curbside	Res	Newspaper		9,528.00				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	OCC		8,090.89				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Mixed paper		13,708.08				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Office paper		3,831.00				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Tin Cans		1,055.98				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Mixed Plastic		517.09				SCWMA reports	actual tonnage	
A1	Residential Curbside	Res	Greenwaste			52,584.26			SCWMA reports	actual tonnage	
A2	Residential Curbside	Res	Glass		10,946.15				DOC	CRV reporting system	
A2	Residential Curbside	Res	Aluminum		136.65				DOC	CRV reporting system	
A2	Residential Curbside	Res	HDPE		418.40				DOC	CRV reporting system	
A2	Residential Curbside	Res	PETE		777.85				DOC	CRV reporting system	
	Totals				49,010.09	52,584.26					
	Total 2003 Residential Curbside Recycling and Greenwaste Diversion										
						101,594.35					

**2003 RECYCLING & COMPOSTING QUANTITIES FOR SRRE PROGRAMS FUNDED
OR OPERATED BY THE SONOMA COUNTY WASTE MANAGEMENT AGENCY OR
ITS MEMBER JURISDICTIONS (in tons of materials diverted)**

	County Drop-Offs and Tipping Building Floor Sorts	Residential Curbside Recycling	Commercial Recycling Collection	Organics Diversion	Other Programs	TOTAL
Newspaper	703.09	9,528.00	1,367.92			11,599.01
Cardboard	1,074.56	8,090.89	17,521.78			26,687.23
Mixed Paper	177.47	13,708.08	5,122.96		123.16	19,131.67
Office Paper		3,831.00	1,143.47			4,974.47
Glass jars & bottles	382.71	9,771.44	3,750.35			13,904.50
Glass window panes	45.99					45.99
Scrap Metal	10,345.13		1,020.83			11,365.96
Aluminum, Scrap	41.48					41.48
Aluminum, Cans	19.70	238.96	153.32			411.98
Metal (Tin Cans)	573.78	1,055.98	475.12			2,104.88
Dirt	2,822.73					2,822.73
Concrete	84.20					84.20
Rock	156.63					156.63
C&D Materials	739.01					739.01
Porcelain Fixtures	76.22					76.22
Mixed Plastics	92.37	517.09	148.11			757.57
HDPE		1,636.87	555.64			2,192.51
PET		835.94	235.82			1,071.76
Beverage Containers					8.30	8.30
Reuse	552.28				71.47	623.75
Tires	107.09				763.98	871.07
Food Waste				762.10		762.10
Yard Debris, curbside				52,584.26		52,584.26
Yard Debris, self-haul				29,578.65		29,578.65
Wood Waste, chipped				11,496.84		11,496.84
Wood Waste, biomass				1,348.93		1,348.93
Batteries	76.48					76.48
Oil	147.20					147.20
Oil Filters	13.31					13.31
Latex Paint	4.01					4.01
CRTs	380.39		53.04			433.43
CCU Recycle	43.87					43.87
TOTAL	18,659.70	49,214.25	31,548.36	95,770.77	966.91	196,159.99

2003 Aggregate Volumes for Sonoma County By City

Sonoma County

	Aluminum	Glass	PETE	HDPE	Bimetal
CP Grand Total	64,385.0	1,835,402.0	119,855.0	65,156.0	0.0
CS Grand Total	273,307.9	21,892,693.5	1,555,692.5	836,797.5	0.0
TONS	136.65	10,946.35	777.85	418.4	
RC Grand Total	2,193,471.0	7,214,424.0	751,966.0	81,667.1	171.0
SP Grand Total	420.0	206,440.0	18,440.0	11,340.0	0.0

TOTALS 2,531,583.9 2,445,953.5 171
 31,148,959.5 994,960.6

CS = RESIDENTIAL CURBSIDE DATA:

ATTACHMENT B

SONOMA COUNTY BUYBACK CENTER DATA FOR 2003

Attachment B

Sonoma County Buyback Center Data for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
B1	Buyback Center	Res	OCC		430.00				Waste audit	Actual tonnage	
B1	Buyback Center	Res	Mixed Paper		301.00				Waste audit	Actual tonnage	
B2	Buyback Center	Res	Aluminum		1,096.74				DOC	CRV reporting system	
B2	Buyback Center	Res	Glass		3,607.20				DOC	CRV reporting system	
B2	Buyback Center	Res	PETE		375.98				DOC	CRV reporting system	
B2	Buyback Center	Res	HDPE		40.83				DOC	CRV reporting system	
B2	Buyback Center	Res	Bimetal		0.09				DOC	CRV reporting system	
Total 2003 Buyback Center Diversion					5,851.84						

2003 Aggregate Volumes for Sonoma County By City

Sonoma County

	Aluminum	Glass	PETE	HDPE	Bimetal
CP Grand Total	64,385.0	1,835,402.0	119,855.0	65,156.0	0.0
CS Grand Total	273,307.9	21,892,693.5	1,555,692.5	836,797.5	0.0
RC Grand Total	2,193,471.0	7,214,424.0	751,966.0	81,667.1	171.0
SP Grand Total	420.0	206,440.0	18,440.0	11,340.0	0.0

RC = RECYCLING/BUYBACK
CENTER

~~SP Grand Total~~

2,531,583.9 2,445,953.5 171
31,148,959.5 994,960.6

ATTACHMENT C

SONOMA COUNTY DROP-OFF CENTER DATA FOR 2003

Attachment C											
Sonoma County Dropoff Center Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
C1	Dropoff Centers	Res	Newspaper		703.09				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	OCC		1,074.56				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Mixed Paper		177.47				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Window panes		45.99				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Scrap metal		10,345.13				SCWMA report	Actual weight	See Table 2 in Section 2
C1	Dropoff Centers	Res	Tin Cans		573.78				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Dirt		2,822.73				SCWMA report	Actual weight	Restricted waste - Table 10 Section 3
C1	Dropoff Centers	Res	Concrete		84.20				SCWMA report	Actual weight	Restricted waste - Table 10 Section 3
C1	Dropoff Centers	Res	Rock		156.63				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	C&D		739.01				SCWMA report	Actual weight	Included in Attachment J
C1	Dropoff Centers	Res	Porcelain Fixtures		76.22				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Mixed plastics		92.37				SCWMA report	Actual weight	
C1	Dropoff Centers	Res	CCU - (Commingled Recyclables)		43.87						
C1	Dropoff Centers	Res	Tires		107.09				SCWMA report	Actual weight	See attached letter from North Bay Corp.
C1	Dropoff Centers	Res	Wood		11,496.84				SCWMA report	Actual weight	Wood chipped for path mulch.
C1	Dropoff Centers	Res	Wood				1,348.93		SCWMA report	Actual weight	
C1	Dropoff Centers	Res	Green Waste			29,578.65					
C2	Dropoff Centers	Res	Glass		103.22				DOC	CRV reporting system	
C2	Dropoff Centers	Res	PETE		9.22				DOC	CRV reporting system	
C2	Dropoff Centers	Res	HDPE		5.67				DOC	CRV reporting system	
C2	Dropoff Centers	Res	Aluminum		0.21				DOC	CRV reporting system	

Attachment C											
Sonoma County Dropoff Center Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
C3	Dropoff Centers	Res	Reuse	552.28					SCWMA report	Actual weight	See attached records from Central LF, Healdsburg TS and Sonoma TS
C4	Dropoff Centers	Res	Reuse	71.47					BARC Annual Report		See attached records from BACR
	Totals			623.75	28,657.30	29,578.65	1,348.93				
	Sub-total 2003 Dropoff Center Diversion						60,208.63				
	Scrap Metal						(10,345.13)				See Table 2 in Section 2
	Source Reduction / Reuse						(623.75)				
	Construction & Demolition						(739.01)				Included in Attachment J
	Composting						(29,578.65)				
	2003 Dropoff Center Recycling						18,922.09				As reported on CIWMB NBY form.
	2003 Dropoff Center Source Reduction / Reuse						623.75				As reported on CIWMB NBY form.
	2003 Dropoff Center Composting						29,578.65				As reported on CIWMB NBY form.

C1

**2003 RECYCLING & COMPOSTING QUANTITIES FOR SRRE PROGRAMS FUNDED
OR OPERATED BY THE SONOMA COUNTY WASTE MANAGEMENT AGENCY OR
ITS MEMBER JURISDICTIONS (in tons of materials diverted)**

	County Drop-Offs and Tipping Building Floor Sorts	Residential Curbside Recycling	Commercial Recycling Collection	Organics Diversion	Other Programs	TOTAL
Newspaper	703.09	9,528.00	1,367.92			11,599.01
Cardboard	1,074.56	8,090.89	17,521.78			26,687.23
Mixed Paper	177.47	13,708.08	5,122.96		123.16	19,131.67
Office Paper		3,831.00	1,143.47			4,974.47
Glass jars & bottles	382.71	9,771.44	3,750.35			13,904.50
Glass window panes	45.99					45.99
Scrap Metal	10,345.13		1,020.83			11,365.96
Aluminum, Scrap	41.48					41.48
Aluminum, Cans	19.70	238.96	153.32			411.98
Metal (Tin Cans)	573.78	1,055.98	475.12			2,104.88
Dirt	2,822.73					2,822.73
Concrete	84.20					84.20
Rock	156.63					156.63
C&D Materials	739.01					739.01
Porcelain Fixtures	76.22					76.22
Hard Plastics	92.37	517.09	148.11			757.57
HVPE		1,636.87	555.64			2,192.51
PET		835.94	235.82			1,071.76
Beverage Containers					8.30	8.30
Reuse	552.28				71.47	623.75
Tires	107.09				763.98	871.07
Food Waste				762.10		762.10
Yard Debris, curbside				52,584.26		52,584.26
Yard Debris, self-haul				29,578.65		29,578.65
Wood Waste, chipped				11,496.84		11,496.84
Wood Waste, biomass				1,348.93		1,348.93
Batteries	76.48					76.48
Oil	147.20					147.20
Oil Filters	13.31					13.31
Latex Paint	4.01					4.01
CRTs	380.39		53.04			433.43
CCU Recycle	43.87					43.87
TOTAL	18,659.70	49,214.25	31,548.36	95,770.77	966.91	196,159.99



North Bay Corporation

PO Box 1916
Santa Rosa, CA 95402-1916
p 707-586-5533
f 707-586-5543

Donna Caldwell
Integrated Waste Specialist
County of Sonoma
2300 County Center Drive
Santa Rosa CA 95403

May 25, 2004

Re: Waste Tire Recycling

Dear Ms. Caldwell,

All tires collected from solid waste facilities in Sonoma County are delivered to Orland where the tires are recycled or reused in the following manner:

- 65% — civil engineering projects
- 14% — processed into crumb rubber
- 14% — used in agriculture
- 7% — selected for reuse as retreads.

Please feel free to contact me at (707) 765-2367 if you have any questions.

Sincerely,

Pamela Davis
Recycling & Community Outreach Manager



RECEIVED

2004 SEP -7 P 1:09

SONOMA COUNTY DEPT
OF PUBLIC WORKS.

September 1, 2004

Donna Caldwell
Sonoma County
Waste Management Agency
2300 County Center Dr., Suite B100
Santa Rosa, CA 95403

Re: Bio-mass Facility Questionnaire

Dear Ms. Caldwell,

Per our conversation last week, in spite of our numerous requests, the bio-mass facilities that received bio-fuel from Sonoma Compost during 2003 have still not completed the Bio-mass Facility Questionnaires you need.

With respect to Pacific Lumber in Scotia, we are told that the person responsible for maintaining and assembling the required information is on medical leave. Michael Green, the fuel purchaser for Pacific Lumber has said that another person has been asked to assemble the needed information. At this time, we have not received a firm commitment on when the project will be completed. If you wish, you can contact Mr. Green by phone at (707) 764-2222.

Woodland Bio-mass simply refuses to provide the requested information. I have discussed this matter with Woodland's fuel buyer, the plant manager and Tim Smith, who is either the assistant plant manager or person in charge of environmental compliance. Mr. Smith indicates that he refuses to cooperate, and in fact, has tried to persuade other northern California fuel plants to refuse to provide the mandated information as well. According to Mr. Smith, bio-mass facilities provide a needed service and counties and cities wouldn't be able to claim diversion credits without them. He feels that filling out such forms is not their responsibility, especially if they are not paid to do so. Mr. Smith can be reached at (530) 661-6095 if you wish to discuss this matter with him.

Following is a printout from Sonoma Compost's accounting program. You will see that it indicates the number of tons of bio-fuel shipped to each facility during 2003, the date shipped, and the amount the facilities paid for the fuel. It should be noted that in the case of Woodland Bio-mass, Sonoma Compost is paid for

"bone dry tons" delivered. The actual number of "green tons" shipped was actually greater.

Although we can certify the accuracy of this data, we regret we can't provide the information you need relative to the facilities that receive bio-fuel from Sonoma County.

We understand the importance of this information and remain ready to assist if possible.

Sincerely,

A solid black rectangular box used to redact the signature of Paul Paddock.

Paul Paddock

SONOMA COMPOST COMPANY

550 MECHAM ROAD
PETALUMA, CA 94952
707/666-9115

Sales (Item Detail)

1/1/03 through 12/31/03

Page 1

6/3/04
3:02:01 PM

Name	ID#	Date	Quantity	Amount	Status	Promised
406	BIO-FUEL					
PACIFIC LUMBER	00010747	12/18/03	17.5	\$0.00	Closed	
PACIFIC LUMBER	00010748	12/18/03	534.54	\$0.00	Closed	
WOODLAND BIOMASS	00010088	7/22/03	13.854	\$249.37	Closed	6/18/03
WOODLAND BIOMASS	00010089	7/22/03	77.543	\$1,395.76	Closed	
WOODLAND BIOMASS	00010090	7/22/03	46.606	\$838.91	Closed	
WOODLAND BIOMASS	00010157	8/5/03	106.135	\$1,910.44	Closed	
WOODLAND BIOMASS	00010176	8/12/03	33.442	\$601.96	Closed	
WOODLAND BIOMASS	00010201	8/19/03	159.873	\$2,877.72	Closed	
WOODLAND BIOMASS	00010254	9/5/03	20.114	\$362.05	Closed	
WOODLAND BIOMASS	00010270	9/9/03	226.099	\$4,069.79	Closed	
WOODLAND BIOMASS	00010309	9/18/03	113.219	\$2,037.94	Closed	
BIO-FUEL Total:			1,348.925	\$14,343.94		

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2003 Aggregate Volumes for Sonoma County By City

Sonoma County

	Aluminum	Glass	PETE	HDPE	Bimetal
CP Grand Total	64,385.0	1,835,402.0	119,855.0	65,156.0	0.0
CS Grand Total	273,307.9	21,892,693.5	1,555,692.5	836,797.5	0.0
RC Grand Total	2,193,471.0	7,214,424.0	751,986.0	81,667.1	171.0
SP Grand Total	420.0	206,440.0	18,440.0	11,340.0	0.0
SP = DROPOFF RECYCLING CENTERS TONS	.21	103.22	9.22	5.67	
	2,531,583.9	2,445,953.5	171		
		31,148,959.5	994,960.6		

Table C-3			
Drop-Off / Re-Use Data for 2003			
	Recycle Town	Sonoma	Healdsburg
Jan	23.05	5.724	9.6
Feb	29.74	6.379	11.84
Mar	30.89	5.3925	12.66
Apr	18.18	5.8735	10.31
May	26.65	7.175	12.66
Jun	31.6	9.5335	11.4
Jul	36	8.251	17
Aug	30.5	7.43	14.05
Sep	28.87	6.703	12.22
Oct	34.68	6.8315	11.44
Nov	26.27	6.0785	8.93
Dec	15.9	5.236	7.23
	332.33	80.6075	139.34
Total			552.2775

ATTACHMENT D

SONOMA COUNTY COMMERCIAL GENERATOR DATA FOR 2003

Attachment D											
Sonoma County Commercial Generator Data for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
D1	Commercial Collection	Nonres	Newspaper		1,367.92				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	OCC		17,521.78				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Mixed paper		5,122.96				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Office paper		1,143.47				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Scrap metal		1,020.83				SCWMA report	actual weight	See Table 2 in Section 2
D1	Commercial Collection	Nonres	Tin cans		475.12				SCWMA report	actual weight	
D1	Commercial Collection	Nonres	Mixed plastics		148.11				SCWMA report	actual weight	
D2	Commercial Collection	Nonres	Aluminum		32.19				DOC	CRV reporting system	
D2	Commercial Collection	Nonres	Glass		917.70				DOC	CRV reporting system	
D2	Commercial Collection	Nonres	PETE		59.93				DOC	CRV reporting system	
D2	Commercial Collection	Nonres	HDPE		32.58				DOC	CRV reporting system	
	Total 2003 Commercial Generator Diversion				27,842.59						
	Scrap Metal Deduction				(1,020.83)						See Table 2 in Section 2
	Adjusted 2003 Commercial Generator Diversion				26,821.76						

**2003 RECYCLING & COMPOSTING QUANTITIES FOR SRRE PROGRAMS FUNDED
OR OPERATED BY THE SONOMA COUNTY WASTE MANAGEMENT AGENCY OR
ITS MEMBER JURISDICTIONS (in tons of materials diverted)**

	County Drop-Offs and Tipping Building Floor Sorts	Residential Curbside Recycling	Commercial Recycling Collection	Organics Diversion	Other Programs	TOTAL
Newspaper	703.09	9,528.00	1,367.92			11,599.01
Cardboard	1,074.56	8,090.89	17,521.78			26,687.23
Mixed Paper	177.47	13,708.08	5,122.96		123.16	19,131.67
Office Paper		3,831.00	1,143.47			4,974.47
Glass jars & bottles	382.71	9,771.44	3,750.35			13,904.50
Glass window panes	45.99					45.99
Scrap Metal	10,345.13		1,020.83			11,365.96
Aluminum, Scrap	41.48					41.48
Aluminum, Cans	19.70	238.96	153.32			411.98
Metal (Tin Cans)	573.78	1,055.98	475.12			2,104.88
Dirt	2,822.73					2,822.73
Concrete	84.20					84.20
Rock	156.63					156.63
C&D Materials	739.01					739.01
Porcelain Fixtures	76.22					76.22
Hard Plastics	92.37	517.09	148.11			757.57
HDPE		1,636.87	555.64			2,192.51
PET		835.94	235.82			1,071.76
Beverage Containers					8.30	8.30
Reuse	552.28				71.47	623.75
Tires	107.09				763.98	871.07
Food Waste				762.10		762.10
Yard Debris, curbside				52,584.26		52,584.26
Yard Debris, self-haul				29,578.65		29,578.65
Wood Waste, chipped				11,496.84		11,496.84
Wood Waste, biomass				1,348.93		1,348.93
Batteries	76.48					76.48
Oil	147.20					147.20
Oil Filters	13.31					13.31
Latex Paint	4.01					4.01
CRTs	380.39		53.04			433.43
CCU Recycle	43.87					43.87
TOTAL	18,659.70	49,214.25	31,548.36	95,770.77	966.91	196,159.99

**2003 Aggregate Volumes for Sonoma County
By City**

Sonoma County

CP = COMMERCIAL RECYCLING PROGRAMS

	Aluminum	Glass	PETE	HDPE Bimetal	
CP Grand Total	64,385.0 32.19	1,835,402.0 917.7	119,865.0 59.93	85,156.0 32.58	0.0
CS Grand Total	273,307.9	21,892,893.5	1,555,692.5	896,797.5	0.0
RC Grand Total	2,193,471.0	7,214,424.0	751,986.0	81,687.1	171.0
SP Grand Total	420.0	206,440.0	18,440.0	11,340.0	0.0
	2,531,583.9	2,445,953.5			171
		31,148,959.5		994,960.6	

ATTACHMENT E

SONOMA COUNTY PUBLIC AGENCY GRASSCYCLING DATA FOR 2003

Attachment E

Sonoma County Public Agency Grasscycling Data for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
E1	Public Agency Grasscycling	Nonres	Grass	988.00					interview with on-site landscape manager	130 acres @ 7.6 tons/acre/year	
E2	Public Agency Grasscycling	Nonres	Grass	2,090.00					interview with Superintendent of City parks	275 acres @ 7.6 tons/acre/year	
E3	Public Agency Grasscycling	Nonres	Grass	366.17					interview with recycling coordinator	48.18 acres @ 7.6 tons/acre/year	
E4	Public Agency Grasscycling	Nonres	Grass	91.20					interview with maintenance supervisor	12 acres @ 7.6 tons/acre/year	
E5	Public Agency Grasscycling	Nonres	Grass	121.60					interview with District Business Manager	16 acres @ 7.6 tons/acre/year	
Total 2003 Public Agency Grasscycling Diversion				3,656.97							

ATTACHMENT F

SONOMA COUNTY RESIDENTIAL BACKYARD COMPOSTING DATA FOR 2003

Attachment F

Sonoma County Residential Backyard Composting Data for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
F1	Residential Backyard Compost	Res	Food	762.10					UCCE surveys-	63.5 tons per month of food waste @ 70% participation rate	see attached UCCE annual report)
F1	Residential Backyard Compost	Res	Green Waste	2,913.90					UCCE surveys-	2,913.9 tons per month of green waste @ 70% participation rate	see attached UCCE annual report)
Total 2003 Residential Backyard Compost Diversion				3,676.00							

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Tonnage Diversion Estimates

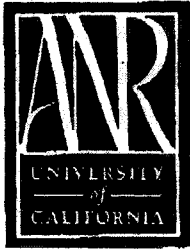
The home composting program had direct contact with 12,514 people in FY 2002-03 at eleven large events (31 days); 206 farmers markets, workshops, and library presentations. The home compost education program also distributed 10,000 composting brochures through educational booths, the Master Gardener desk, and through school presentations (2,017 youth). Total contacts for the year were 14,531. Calculations for the tonnage diversion estimates are based on direct adult contacts only.

University of California surveys in FY's 1994-95, 1995-96, and 1996-97 strongly indicated that close to 70% of the people contacted started or increased home composting. On the average they reduced their garbage input of kitchen scraps by 2.5 gallons / household / month and yard waste by 13.2 gallons / household / month. In FY 1996-97 surveyed home composters also indicated that they diverted 37.3 gallons per month from the curbside organic waste pick up program due to home composting. Based on these figures the diversion increase for FY 2002-03 due to the addition of new home composters was:

- 12,514 people X 70% = 8,760 beginning or increasing home composting
- **Kitchen scraps*** diverted = 63.5 tons per month = 762.1 tons per year = 1,301.6 cubic yards per year
- **Yard waste*** diverted = 242.8 tons per month = 2,913.9 tons per year = 6,827.5 cubic yards per year
- **Curbside pick-up** diverted = 686.2 tons per month = 8,234.0 tons per year = 19,419.9 cubic yards per year.
- **TOTAL DIVERTED** = 11,910.0 tons per year = 27,594 yd³ per year

** Weight and volume calculations for kitchen scraps are based on 70% moisture (5.8 lbs./gallon)(1,171 lbs./yd³). Weight and volume calculations for yard waste are based on 50% moisture (4.2 lbs./gallon)(848 lbs./yd³).*

Paul Vossen
University of California - Cooperative Extension
2604 Ventura Ave.
Santa Rosa, CA 95403
(707) 565-2621
pmvossen@ucdavis.edu



UNIVERSITY of CALIFORNIA Agriculture & Natural Resources

COOPERATIVE EXTENSION • SONOMA COUNTY

133 Aviation Blvd., Suite 109 • Santa Rosa, CA 95403
Tel. (707)565-2621 Fax (707)565-2623 4-H (707)565-2681
Master Gardeners (707)565-2608 <http://cesonoma.ucdavis.edu>

UC
CE

University of California Home Compost Education Program Calendar Year Contacts and Landfill Diversion Estimates January 1 to December 31, 2003

To: Ken Wells, Donna Caldwell, Charlotte Fisher (SCWMA)

From: Paul Vossen, UC Farm Advisor

Date: June 8, 2004

Major Events in 2003 (11,275 contacts)

Sonoma County Fair, Herb Festival, Harvest Fair, Library Classes, Santa Rosa Home and Garden Shows, CA Native Plant Society Meeting, and Earth Day.

Farmers Markets Booths (758 contacts)

Healdsburg, Sebastopol, Sonoma, Santa Rosa, Windsor, and Petaluma

Library Series (650 contacts)

Petaluma, Sonoma, Guerneville, Healdsburg, Windsor, and Santa Rosa

Tonnage Diversion Estimates

The home composting program had direct contact with 12,683 people from January 1 to December 31, 2003. University of California surveys in FY's 1994-95, 1995-96, and 1996-97 strongly indicated that close to 70% of the people contacted started or increased home composting. On the average they reduced their garbage input of kitchen scraps by 2.5 gallons / household / month and yard waste by 13.2 gallons / household / month. In FY 1996-97 surveyed home composters also indicated that they diverted 37.3 gallons per month from the curbside organic waste pick up program due to home composting. Based on these figures the diversion for this time period was:

- 12,683 people X 70% = 8,878 beginning or increasing home composting
- **Kitchen scraps*** diverted = 64.4 tons per month = 772.4 tons per year = 1,319.2 cubic yards per year
- **Yard waste*** diverted = 246.1 tons per month = 2,953.2 tons per year = 6,965.0 cubic yards per year
- **Curbside pick-up** diverted = 695.4 tons per month = 8,345.0 tons per year = 19,681.5 cubic yards per year.
- **TOTAL DIVERTED** = 12,070.6 tons per year = 27,965.7 yd³ per year

Home
composted

* Weight and volume calculations for kitchen scraps are based on 70% moisture (5.8 lbs./gallon)(1,171 lbs./yd³).
Weight and volume calculations for yard waste are based on 50% moisture (4.2 lbs./gallon)(848 lbs./yd³).

University of California and the United States Department of Agriculture Cooperating

ATTACHMENT G

SONOMA COUNTY BUSINESS AND AGENCY SURVEYS FOR 2003

Attachment G (CIWMB Attachment 9)											
Sonoma County Business and Agency Surveys for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G1	Building material reuse	Nonres	lumber	25.00					interview w/ Operations Director	actual tonnage	
G1	Building material reuse	Nonres	doors, hardware	10.00					interview w/ Operations Director	actual tonnage	
G2	Pallet Recycler	Nonres	Pallets		1,145.00				interview w/ company owner	57,261 pallets recycled in 2003 at 40 lbs/each	
G3	Technology Company	Nonres	Computers	10.00					interview with Facilities Manager	actual tonnage	Computers donated to schools
G3	Technology Company	Nonres	Paper		66.00				interview with Facilities Manager	actual tonnage from document recycler	
G3	Technology Company	Nonres	Plastic Packaging		21.00				interview with Facilities Manager	actual tonnage	
G3	Technology Company	Nonres	Scrap Metal		583.00				interview with Facilities Manager	actual tonnage from recycler	See Table 2 - Section 2
G3	Technology Company	Nonres	Donated Furniture	168.00					interview with Facilities Manager	actual tonnage	furniture donated to schools, nonprofits, etc.
G4	Gardening Service	Nonres	Grasscycling	125.00					interview with Chief Operation Officer	16.5 acres @ 7.6 tons/acre/year	
G4	Gardening Service	Nonres	Yard Clippings			79.00			interview with Chief Operation Officer	300 C.Y. @ 527 lbs/C.Y.	
G5	Gardening Service	Nonres	Grasscycling	380.00					interview w/ company owner	50 acres @ 7.6 tons/acre/year	
G6	Technology Company	Nonres	OCC		35.00				interview with Environmental Manager	actual tonnage	
G6	Technology Company	Nonres	Computers	3.00					interview with Environmental Manager	actual tonnage	Computers donated to schools
G6	Technology Company	Nonres	Mixed paper		28.00				interview with Environmental Manager	actual tonnage	
G6	Technology Company	Nonres	Scrap Metal		2.00				interview with Environmental Manager	actual tonnage	See Table 2 - Section 2
G7	Grocery store	Nonres	Bones/Tallow		420.42				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	OCC		3,405.40				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	Plastics		105.11				interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G7	Grocery store	Nonres	Produce			1,865.82			interview with Corporate Recycling Manager	actual tonnage	12 stores in Sonoma County
G8	Grocery store	Nonres	Bones/Tallow		27.20				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G8	Grocery store	Nonres	OCC		1,064.00				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G8	Grocery store	Nonres	Food	31.10					interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G8	Grocery store	Nonres	Plastics		13.80				interview with Corporate Resource Conservation Manager	actual tonnage	8 stores in Sonoma County
G9	Grocery store	Nonres	Bakery Waste			4.89			interview w/ Corporate Solid Waste Contract Management Firm	1.63 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Bones/Tallow		44.34				interview w/ Corporate Solid Waste Contract Management Firm	14.78 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Paper		1.95				interview w/ Corporate Solid Waste Contract Management Firm	0.65 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Grease / Oil		7.83				interview w/ Corporate Solid Waste Contract Management Firm	2.61 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Newspaper		0.09				interview w/ Corporate Solid Waste Contract Management Firm	0.03 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	OCC		653.40				interview w/ Corporate Solid Waste Contract Management Firm	217.8 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Phonebooks		1.17				interview w/ Corporate Solid Waste Contract Management Firm	.39 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Produce Trim			150.78			interview w/ Corporate Solid Waste Contract Management Firm	50.26 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Stretch Film		12.69				interview w/ Corporate Solid Waste Contract Management Firm	4.23 tons average per store per year x 3 Sonoma County Stores	
G9	Grocery store	Nonres	Wax OCC		40.26				interview w/ Corporate Solid Waste Contract Management Firm	13.42 tons average per store per year x 3 Sonoma County Stores	
G10	Metal Recycler	Nonres	Non-ferrous		3,200.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G10	Metal Recycler	Nonres	Ferrous		18,000.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G11	Recycling Company	Nonres	Manure			456.00			Interview with owner	651.04 C.Y. @ 1400 lbs/C.Y.	
G11	Recycling Company	Nonres	Ferrous		300.00				Interview with owner	actual tonnage	See Table 2 - Section 2
G12	Food Processor	Nonres	Food Waste		609.00				interview with Plant Manager	actual tonnage	includes soy solids

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G12	Food Processor	Nonres	Food Waste		735.25				interview with Plant Manager	173,000 gallons of soy whey @ 8.5 lbs/gallon	
G13	Compost Processor	Nonres	Dairy Manure			7,814.40			interview with Company Owner	9,600 C.Y. @ 1,628 lbs/C.Y.	
G13	Compost Processor	Nonres	Horse Manure and Bedding			1,126.80			interview with Company Owner	1,800 C.Y. @ 1,252 lbs/C.Y.	
G13	Compost Processor	Nonres	Grape Pomace			4,300.00			interview with Company Owner	actual tonnage	
G13	Compost Processor	Nonres	Food Waste			432.90			interview with Company Owner	600 C.Y. @ 1,443 lbs/C.Y.	
G13	Compost Processor	Nonres	Fir Shavings			220.00			interview with Company Owner	1000 C.Y. @ 440 lbs/C.Y.	
G14	Compost Processor	Nonres	Horse Manure			22,400.00			interview with Plant Manager	32,000 C.Y. @ 1,400 lbs/C.Y.	
G14	Compost Processor	Nonres	Plant trimmings			1,584.00			interview with Plant Manager	29,331 C.Y. @ 108 lbs/C.Y.	
G15	Compost Processor	Nonres	Concrete/Asphalt		15,000.00				interview with Company Owner	actual tonnage	Restricted waste - see attachment
G15	Compost Processor	Nonres	Sawdust			3,750.00			interview with Company Owner	20,000 C.Y. @ 375 lbs/C.Y.	
G16	Regional Park Agency	Nonres	Manure			75.12			Recycling Coordinator	120 C.Y. @ 1,252 lbs/C.Y.	
G17	Winery	Nonres	Pomace			24.00			SCWMA Mail Survey	15% of 160 ton grape harvest in 2003	Based on CIWMB conversion factor
G18	Winery	Nonres	Pomace			0.60			SCWMA Survey	15% of 3.9 ton grape harvest in 2003	Based on CIWMB conversion factor
G19	Winery	Nonres	Pomace			1.20			SCWMA Mail Survey	15% of 8 ton grape harvest in 2003	Based on CIWMB conversion factor
G20	Winery	Nonres	Pomace			103.20			SCWMA Survey	15% of 688 ton grape harvest in 2003	Based on CIWMB conversion factor
G21	Winery	Nonres	Pomace			150.00			SCWMA Survey	15% of 1,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G22	Winery	Nonres	Pomace			43.50			SCWMA Survey	15% of 290 ton grape harvest in 2003	Based on CIWMB conversion factor
G23	Winery	Nonres	Pomace			60.00			SCWMA Survey	15% of 400 ton grape harvest in 2003	Based on CIWMB conversion factor
G24	Winery	Nonres	Pomace			12.60			SCWMA Mail Survey	15% of 82 ton grape harvest in 2003	Based on CIWMB conversion factor
G25	Winery	Nonres	Pomace			7.50			SCWMA Survey	15% of 50 ton grape harvest in 2003	Based on CIWMB conversion factor
G26	Winery	Nonres	Pomace			75.00			SCWMA Survey	15% of 500 ton grape harvest in 2003	Based on CIWMB conversion factor
G27	Winery	Nonres	Pomace			105.00			SCWMA Survey	15% of 700 ton grape harvest in 2003	Based on CIWMB conversion factor
G28	Winery	Nonres	Pomace			88.50			SCWMA Survey	15% of 590.3 ton grape harvest in 2003	Based on CIWMB conversion factor
G29	Winery	Nonres	Pomace			414.75			SCWMA Mail Survey	15% of 2,765 ton grape harvest in 2003	Based on CIWMB conversion factor
G30	Winery	Nonres	Pomace			124.50			SCWMA Mail Survey	15% of 830 ton grape harvest in 2003	Based on CIWMB conversion factor
G31	Winery	Nonres	Pomace			8.25			SCWMA Mail Survey	15% of 55 ton grape harvest in 2003	Based on CIWMB conversion factor
G32	Winery	Nonres	Pomace			1,169.25			SCWMA Mail Survey	15% of 7,795 ton grape harvest in 2003	Based on CIWMB conversion factor
G33	Winery	Nonres	Pomace			9.75			SCWMA Mail Survey	15% of 65 ton grape harvest in 2003	Based on CIWMB conversion factor
G34	Winery	Nonres	Pomace			3,600.00			SCWMA Mail Survey	15% of 24,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G35	Winery	Nonres	Pomace			75.00			SCWMA Mail Survey	15% of 500 ton grape harvest in 2003	Based on CIWMB conversion factor

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G36	Winery	Nonres	Pomace			31.05			SCWMA Mail Survey	15% of 207 ton grape harvest in 2003	Based on CIWMB conversion factor
G37	Winery	Nonres	Pomace			2.25			SCWMA Mail Survey	15% of 15 ton grape harvest in 2003	Based on CIWMB conversion factor
G38	Winery	Nonres	Pomace			60.00			SCWMA Mail Survey	15% of 400 ton grape harvest in 2003	Based on CIWMB conversion factor
G39	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G40	Winery	Nonres	Pomace			32.40			SCWMA Mail Survey	15% of 216 ton grape harvest in 2003	Based on CIWMB conversion factor
G41	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G42	Winery	Nonres	Pomace			515.55			SCWMA Mail Survey	15% of 3,437 ton grape harvest in 2003	Based on CIWMB conversion factor
G43	Winery	Nonres	Pomace			22.50			SCWMA Mail Survey	15% of 150 ton grape harvest in 2003	Based on CIWMB conversion factor
G44	Winery	Nonres	Pomace			3.75			SCWMA Mail Survey	15% of 25 ton grape harvest in 2003	Based on CIWMB conversion factor
G45	Winery	Nonres	Pomace			4.50			SCWMA Mail Survey	15% of 30 ton grape harvest in 2003	Based on CIWMB conversion factor
G46	Winery	Nonres	Pomace			21.00			SCWMA Mail Survey	15% of 140 ton grape harvest in 2003	Based on CIWMB conversion factor
G47	Winery	Nonres	Pomace			6,000.00			SCWMA Mail Survey	15% of 40,000 ton grape harvest in 2003	Based on CIWMB conversion factor
G48	Winery	Nonres	Pomace			1,110.00			SCWMA Mail Survey	15% of 7,400 ton grape harvest in 2003	Based on CIWMB conversion factor
G49	Winery	Nonres	Pomace			320.25			SCWMA Mail Survey	15% of 2,135 ton grape harvest in 2003	Based on CIWMB conversion factor
G50	Winery	Nonres	Pomace			16.50			SCWMA Mail Survey	15% of 110 ton grape harvest in 2003	Based on CIWMB conversion factor
G51	Winery	Nonres	Pomace			60.75			SCWMA Mail Survey	15% of 405 ton grape harvest in 2003	Based on CIWMB conversion factor
G52	Winery	Nonres	Pomace			15.08			SCWMA Mail Survey	15% of 100.5 ton grape harvest in 2003	Based on CIWMB conversion factor
G53	Winery	Nonres	Pomace			63.75			SCWMA Mail Survey	15% of 425 ton grape harvest in 2003	Based on CIWMB conversion factor
G54	Winery	Nonres	Pomace			20.10			SCWMA Mail Survey	15% of 134 ton grape harvest in 2003	Based on CIWMB conversion factor
G55	Winery	Nonres	Pomace			1,015.05			SCWMA Mail Survey	15% of 6,767 ton grape harvest in 2003	Based on CIWMB conversion factor
G56	Winery	Nonres	Pomace			1,723.50			SCWMA Mail Survey	15% of 11,490 ton grape harvest in 2003	Based on CIWMB conversion factor
G57	Winery	Nonres	Pomace			369.20			SCWMA Survey	15% of 2461.5 ton grape harvest in 2003	Based on CIWMB conversion factor
G58	Winery	Nonres	Pomace			52.50			SCWMA Mail Survey	15% of 350 ton grape harvest in 2003	Based on CIWMB conversion factor
G59	Winery	Nonres	Pomace			10.50			SCWMA Mail Survey	15% of 70 ton grape harvest in 2003	Based on CIWMB conversion factor
G60	Winery	Nonres	Pomace			28.20			SCWMA Mail Survey	15% of 188 ton grape harvest in 2003	Based on CIWMB conversion factor
G61	Winery	Nonres	Pomace			45.95			SCWMA Mail Survey	15% of 313 ton grape harvest in 2003	Based on CIWMB conversion factor
G62	Winery	Nonres	Pomace			8.34			SCWMA Mail Survey	15% of 55.61 ton grape harvest in 2003	Based on CIWMB conversion factor
G63	Winery	Nonres	Pomace			82.74			SCWMA Mail Survey	15% of 551.62 ton grape harvest in 2003	Based on CIWMB conversion factor
G64	Winery	Nonres	Pomace			31.65			SCWMA Mail Survey	15% of 211 ton grape harvest in 2003	Based on CIWMB conversion factor

Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G65	Winery	Nonres	Pomace			41.25			SCWMA Mail Survey	15% of 275 ton grape harvest in 2003	Based on CIWMB conversion factor
G66	Winery	Nonres	Pomace			52.50			SCWMA Mail Survey	15% of 350 ton grape harvest in 2003	Based on CIWMB conversion factor
G67	Winery	Nonres	Pomace			347.84			SCWMA Mail Survey	15% of 2,318.9 ton grape harvest in 2003	Based on CIWMB conversion factor
G68	Winery	Nonres	Pomace			114.60			SCWMA Mail Survey	15% of 764 ton grape harvest in 2003	Based on CIWMB conversion factor
G69	Winery	Nonres	Pomace			99.00			SCWMA Mail Survey	15% of 660 ton grape harvest in 2003	Based on CIWMB conversion factor
G70	Winery	Nonres	Pomace			2.70			SCWMA Mail Survey	15% of 18 ton grape harvest in 2003	Based on CIWMB conversion factor
G71	Winery	Nonres	Pomace			12.00			SCWMA Mail Survey	15% of 80 ton grape harvest in 2003	Based on CIWMB conversion factor
G72	Winery	Nonres	Pomace			45.90			SCWMA Mail Survey	15% of 306 ton grape harvest in 2003	Based on CIWMB conversion factor
G73	Winery	Nonres	Pomace			1,129.50			SCWMA Mail Survey	15% of 7,530 ton grape harvest in 2003	Based on CIWMB conversion factor
G74	Winery	Nonres	Pomace			0.75			SCWMA Mail Survey	15% of 5 ton grape harvest in 2003	Based on CIWMB conversion factor
G75	Winery	Nonres	Pomace			1,557.60			SCWMA Mail Survey	15% of 10,384 ton grape harvest in 2003	Based on CIWMB conversion factor
G76	Winery	Nonres	Pomace			12.00			SCWMA Mail Survey	15% of 80 ton grape harvest in 2003	Based on CIWMB conversion factor
G77	Winery	Nonres	Pomace			32.25			SCWMA Mail Survey	15% of 215 ton grape harvest in 2003	Based on CIWMB conversion factor
G78	Winery	Nonres	Pomace			1.80			SCWMA Mail Survey	15% of 12 ton grape harvest in 2003	Based on CIWMB conversion factor
G79	Winery	Nonres	Pomace			33.45			SCWMA Mail Survey	15% of 223 ton grape harvest in 2003	Based on CIWMB conversion factor
G80	Winery	Nonres	Pomace			51.60			SCWMA Mail Survey	15% of 344 ton grape harvest in 2003	Based on CIWMB conversion factor
G81	Winery	Nonres	Pomace			358.05			SCWMA Mail Survey	15% of 2,387 ton grape harvest in 2003	Based on CIWMB conversion factor
G82	Winery	Nonres	Pomace			12.60			SCWMA Mail Survey	15% of 84.01 ton grape harvest in 2003	Based on CIWMB conversion factor
G83	Winery	Nonres	Pomace			25.17			SCWMA Mail Survey	15% of 167.8 ton grape harvest in 2003	Based on CIWMB conversion factor
G84	Winery	Nonres	Pomace			190.65			SCWMA Mail Survey	15% of 1,271 ton grape harvest in 2003	Based on CIWMB conversion factor
G85	Winery	Nonres	Pomace			632.10			SCWMA Mail Survey	15% of 4,214 ton grape harvest in 2003	Based on CIWMB conversion factor
G86	Winery	Nonres	Pomace			360.00			SCWMA Mail Survey	15% of 2,400 ton grape harvest in 2003	Based on CIWMB conversion factor
G87	Winery	Nonres	Pomace			33.75			SCWMA Mail Survey	15% of 225 ton grape harvest in 2003	Based on CIWMB conversion factor
G88	Winery	Nonres	Pomace			9.00			SCWMA Mail Survey	15% of 60 ton grape harvest in 2003	Based on CIWMB conversion factor
G89	Winery	Nonres	Pomace			0.90			SCWMA Mail Survey	15% of 6 ton grape harvest in 2003	Based on CIWMB conversion factor
G90	Winery	Nonres	Pomace			7.50			SCWMA Mail Survey	15% of 50 ton grape harvest in 2003	Based on CIWMB conversion factor
G91	Winery	Nonres	Pomace			51.30			SCWMA Mail Survey	15% of 342 ton grape harvest in 2003	Based on CIWMB conversion factor
G92	Winery	Nonres	Pomace			24.03			SCWMA Mail Survey	15% of 160.2 ton grape harvest in 2003	Based on CIWMB conversion factor
G93	Winery	Nonres	Pomace			30.00			SCWMA Mail Survey	15% of 200 ton grape harvest in 2003	Based on CIWMB conversion factor

**Attachment G (CIWMB Attachment 9)
Sonoma County Business and Agency Surveys for 2003**

Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
G94	Winery	Nonres	Pomace			7.08			SCWMA Mail Survey	15% of 47.2 ton grape harvest in 2003	Based on CIWMB conversion factor
G95	Inerts Processor	Nonres	Concrete/Asphalt		32,066.00				interview with Facility Manager	34,573 C.Y. @ 1,855 lbs C.Y.	See Table 10 - Section 3
G96	Inerts Processor	Nonres	Concrete/Asphalt		49,242.00				interview with Operations Manager	actual tonnage	See Table 10 - Section 3
G97	Inerts Processor	Nonres	Concrete/Asphalt		37,197.00				interview with Office Manager	actual tonnage	See Table 10 - Section 3
G98	Inerts Processor	Nonres	Concrete/Asphalt		22,212.00				Company Vice-President	actual tonnage	See Table 10 - Section 3
G99	Inerts Processor	Nonres	Concrete/Asphalt		77,821.00				interview with Quarry Engineer	actual tonnage	See Table 10 - Section 3
G100	Inerts Processor	Nonres	Concrete/Asphalt		38,161.00				interview with Operations Manager	actual tonnage	See Table 10 - Section 3
G100	Inerts Processor	Nonres	Scrap Metal		1,200.00				interview with Operations Manager	actual tonnage	See Table 2 - Section 2
G101	Inerts Processor	Nonres	Concrete/Asphalt		60,000.00				interview with Company Employee	actual tonnages	See Table 10 - Section 3
G102	Sonoma State University	Nonres	Source Reduction	23.50					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Materials Exchange	42.00					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Salvage yards	6.00					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Cardboard		49.10				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Office paper		102.80				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Plastics		1.10				AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Grasscycling	115.50					AB 75 Report	actual tonnages	
G102	Sonoma State University	Nonres	Composting			29.00			AB 75 Report	actual tonnages	
G103	County Office In-house	Nonres	Mixed paper		123.16						
Total 2003 Business and Agency Audits				939.10	363,697.07	67,313.74	-	-			
1990 Pomace Deduction						(907.00)					See Table 3 in Section 2 - Pomace adjustment
Scrap Metal Deduction					(23,285)						See Table 2 in Section 2 - Scrap Metal Summary
Adjusted Totals				939.10	340,412.07	66,406.74					
Adjusted Total Business and Agency Audits						407,757.91					

Report Summary Page

Page 1 of 4

State Agency Waste Management Annual Report for
 Sonoma State University (260)
 2003 - Annual Report

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Annual Report Summary - (Printer Friendly Version)

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SONOMA COUNTY DEPT.
OF PUBLIC WORKS

Part I

State Agency Name: Sonoma State University
 Address: 1801 East Cotati Ave. Rohnert Park, CA 94928
 Director: Laurence Furukawa-Schlereth
 Title: Vice President
 Recycling Coordinator: Mark Bradley

Address: 1801 East Cotati Ave. Rohnert Park, CA 94928

Work Phone: (707) 664-2546 Ext: 0

Fax Number: (707) 664-3105

Email Address: mark.bradley@sonoma.edu

Total Employees: 1,500

Total Vistors, inmates,
 etc :

Part II

Verified	Sonoma State University 1801 East Cotati Ave. Rohnert Park, CA 94928 Number of Employees: 1538	Mark Bradley 1801 East Cotati Ave. Rohnert Park, CA 94928 Phone: (707) 664-2315 Ext: 0 Fax: (707) 664-3105 Email: mark.bradley@sonoma.edu
Unverified	Sonoma State University Residential Housing 1701 East Cotati Ave. Rohnert Park, CA 94928 Number of Employees: 25	Mark Bradley 1801 East Cotati Ave. Rohnert Park, CA 94928 Phone: (707) 664-2315 Ext: 0 Fax: (707) 664-3105 Email: mark.bradley@sonoma.edu
Unverified	Fairfield Osborne Preserve 6543 Lichau Road Penngrrove, CA 94951 Number of Employees: 1	Mark Bradley 1801 East Cotati Ave. Rohnert Park, CA 94928 Phone: (707) 664-2546 Ext: 0 Fax: (707) 664-3105 Email: mark.bradley@sonoma.edu
Total Employees: 1564		

Part III Section 1

Summary of program information entered to date.

Diversion Calculations

Report Summary Page

Page 2 of 4

Program	Existing	Planned/ Expanding	Tons
Business Source Reduction	X		23.500
Material Exchange	X		42.000
Salvage Yards	X		6.000
Other Sources	X		3.000
Beverage Containers	X		10.930
Cardboard	X		49.120
Glass	X		48.150
Office Paper (mixed)	X		102.800
Plastics	X		1.100
Scrap Metal	X		15.700
Special Collection Events	X		7.300
Xeriscaping, grasscycling	X		115.500
On-site composting/mulching	X		29.000
Tires	X		3.000
White/brown goods	X		3.600
Scrap Metal	X		15.700
Wood waste	X		23.000
Concrete/asphalt/rubble (C&D)	X		1,238.000

Total Tonnage Diverted 1,737.400
Total Tonnage Disposed 853.270

Total Tonnage Generated 2,590.670
Overall Diversion Percentage 67.1%
 (Tonnage Diverted / Tonnage Generated)
Hazardous Materials (Programs not Included in calculations)

Program	Existing	Planned/ Expanding	Tons
Electronic Waste	X		(2.350)
Batteries	X		(1.900)
Used Oil/Antifreeze	X		(1.400)
Other Hazardous Waste	X		(66.240)

Part III Section 2

This section of the annual report presents the methods in which your agency

Report Summary Page

Informed both employees and customers served that a recycling program was being implemented. Below are identified the programs you reported were continued or implemented during 2003.

1. Web Page
2. Newspaper Articles/Ads
3. Brochures, Newsletters, Publications
4. Office Paper Recycling Guide
5. Fact Sheets
6. New Employee Package
7. Workshops
8. Waste Information Exchange
9. Speakers (staff available for presentations)
10. Technical Assistance
11. College Curriculum
12. Waste Evaluations/Survey
13. Other Promotional Programs

Part III Section 3**Procurement Activities Implemented in 2003**

This section of the annual report presents your compliance with the State Agency Buy Recycled Campaign (SABRC). The activities identified below were reported as implemented or continued during 2003. (Note: Completing this section does not meet the SABRC reporting requirements (PCC Section 12162(b)).

1. Department-Wide Recycled-Content Procurement (RCP) Policy
2. Annual Submittal of SABRC Report
3. Staff Recycled-Content Procurement Training
4. Proactively Working With RCP Suppliers

Part IV

1. **Is the mission statement of the State agency/large State facility the same as reported in the previous year?**

Yes

If No, what is the new mission statement?

2. **How has the waste stream (i.e. those materials disposed in landfills) changed since the Integrated Waste Management Plan was submitted? (Changes include kinds and quantities of materials disposed in landfills.)**

There are additional dorm rooms and students living on campus. Beaujolais Village was added August of 2003. Other hazardous waste includes asbestos, art sump glazes, contaminated soil, laboratory chemicals, lead paint, solvent contaminated debris, and petroleum impacted soil.

3. **Summarize what waste diversion programs were continued or newly implemented in 2003.**

All of our waste diversion programs were continued. At our new dorms at Beaujolais Village we are collecting recycled items single stream.

4. **How were the tonnages determined for the materials disposed and diverted? (e.g. waste assessments, per capita generation and extrapolation, actual disposal weights, or actual recycling weights)**

Waste totals are actual weights from our own garbage truck. Cardboard, beverage, and metal are actual weights from self hauling. Glass, paper, wood and concrete/paving are estimates based on number of bins collected or dumptruck loads filled and estimated. Compost numbers are based on actual weights generated over a two month period and averaged for one calendar year.

5. **What types of activities are included in each of the reported programs? (The following link of category definitions may assist you in answering this question.)**

Nonprofit school sales, auctions, donations to charities, K-12 schools, property reutilization and used buy-back of books. Organic management includes xeriscaping, grasscycling, scrap metal, wood waste (from pallets, trees cut down, construction projects), concrete, and paving renderings.

6. **Has the State agency/large State facility adopted or changed its waste reduction policy?**

No

If Yes, what is the new waste reduction policy?

7. **What resources (staff and/or funds) did the State agency/large State facility commit toward implementing its Integrated Waste Management Plan in 2003 to help meet the waste diversion goals?**

SSU has its own garbage truck and recycle department to handle all waste and reusable items from campus. Reusable items are handled by recycle and diverted to areas where they can be used or donated.

G102

Attachment I		
Sonoma State Recycling Program for 2003		
Record Number	Name	Total Tons
	Business Source Reduction	23.5
	Material Exchange	42.0
	Salvage Yards	6.0
	Other Sources	3.0
	Beverage Containers	10.93
	Cardboard	49.1
	Glass	48.2
	Office Paper	102.8
	Plastics	1.1
	Scrap metal	15.7
	Special Collection Events	7.3
	Grasscycling	-
	On-site composting	29.0
	Tires	3.0
	White/Brown Goods	3.6
	Scrap metal	15.7
	Wood Waste	23.0
	Concrete/Asphalt/Rubble	1,238.0
	Total Tons	1,621.9

- CRV

- CRV

- Restricted

- Restricted

- Restricted

**2003 RECYCLING & COMPOSTING QUANTITIES FOR SRRE PROGRAMS FUNDED
OR OPERATED BY THE SONOMA COUNTY WASTE MANAGEMENT AGENCY OR
ITS MEMBER JURISDICTIONS (in tons of materials diverted)**

	County Drop-Offs and Tipping Building Floor Sorts	Residential Curbside Recycling	Commercial Recycling Collection	Organics Diversion	Other Programs	TOTAL
Newspaper	703.09	9,528.00	1,367.92			11,599.01
Cardboard	1,074.56	8,090.89	17,521.78			26,687.23
Mixed Paper	177.47	13,708.08	5,122.96		123.16	19,131.67
Office Paper		3,831.00	1,143.47			4,974.47
Glass jars & bottles	382.71	9,771.44	3,750.35			13,904.50
Glass window panes	45.99					45.99
Scrap Metal	10,076.48		1,020.83			11,097.31
Aluminum, Scrap	41.48					41.48
Aluminum, Cans	19.70	238.96	153.32			411.98
Metal (Tin Cans)	573.78	1,055.98	475.12			2,104.88
Dirt	2,822.73					2,822.73
Concrete	84.20					84.20
Rock	156.63					156.63
C&D Materials	739.01					739.01
Porcelain Fixtures	76.22					76.22
Hard Plastics	92.37	517.09	148.11			757.57
Styrofoam		1,636.87	555.64			2,192.51
PET		835.94	235.82			1,071.76
Beverage Containers					8.30	8.30
Reuse	552.28				71.47	623.75
Tires	107.09				763.98	871.07
Food Waste				762.10		762.10
Yard Debris, curbside				52,584.26		52,584.26
Yard Debris, self-haul				29,578.65		29,578.65
Wood Waste, chipped				10,870.27		10,870.27
Wood Waste, biomass				1,975.49		1,975.49
Batteries	76.48					76.48
Oil	147.20					147.20
Oil Filters	13.31					13.31
Latex Paint	4.01					4.01
CRTs	380.39		53.04			433.43
CCU Recycle	43.87					43.87
TOTAL	18,391.05	49,214.25	31,548.36	95,770.77	966.91	195,891.34

ATTACHMENT H

SONOMA COUNTY SLUDGE COMPOSTING AND LAND APPLICATION FOR 2003

Attachment H											
Sonoma County Sludge Composting and Land Application for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
H1	Municipal Wastewater Treatment Plant	Nonres	sludge			1,414.00			Laguna Wastewater Treatment Plant Manager	actual tonnage	Composted
H1	Municipal Wastewater Treatment Plant	Nonres	sludge			2,294.00			Laguna Wastewater Treatment Plant Manager	actual tonnage	Land application
Total 2003 Sludge Composting and Land Application						3,708.00					

ATTACHMENT I

SONOMA COUNTY ALTERNATIVE DAILY COVER FOR 2003

Attachment I											
Sonoma County Alternative Daily Cover for 2003											
Ref #	Generator Type	Res / Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement / conversion factor	Notes
I1	ADC	Nonres	Mixed					250	CIWMB Disposal Reporting System	actual tonnage	ADC used at Altamont Pass Landfill
I1	ADC	Nonres	Sludge					8	CIWMB Disposal Reporting System	actual tonnage	ADC used at West Contra Costa Landfill
I2	ADC	Nonres	Green Material					7	CIWMB Disposal Reporting System	actual tonnage	ADC used at Keller Canyon Landfill
I2	ADC	Nonres	Green Material					3,557	CIWMB Disposal Reporting System	actual tonnage	ADC used at Redwood Landfill in Marin
I2	ADC	Nonres	Sludge					8,762	CIWMB Disposal Reporting System	actual tonnage	ADC used at Redwood Landfill in Marin
I2	ADC	Nonres	Sludge					8,120	SCWMA Reports	actual tonnage	ADC used at Potrero Hills Landfill
I1	ADC	Nonres	Green Material					8,533	CIWMB Disposal Reporting System	actual tonnage	ADC used at Central Landfill in Sonoma County
Total ADC Diversion for 2003								29,237			

Jurisdiction Disposal and Alternative Daily Cover (ADC) Tons by Facility

Disposal during 2003 for Sonoma County Waste Management Agency

To view ADC tonnage by material type, click on the ADC amount. ADC by material type is not available for years prior to 1998.

Facility Name (County)	SWIS Number	In-state Disposal	Exported Out-of-State	Total Disposal	ADC Amount
ALTAMONT LANDFILL - RESOURCE RECV'RY (Alameda)	01-AA-0009	121	0	121	<u>250</u>
VASCO ROAD SANITARY LANDFILL (Alameda)	01-AA-0010	117	0	117	0
WEST CONTRA COSTA LANDFILL (West Contra Costa Integrated Waste Management Authority)	07-AA-0001	25	0	25	<u>8</u>
KELLER CANYON LANDFILL (Contra Costa)	07-AA-0032	20,529	0	20,529	<u>7</u>
ARVIN SANITARY LANDFILL (Kern)	15-AA-0050	38	0	38	0
BAKERSFIELD S.L.F. (BENA) (Kern)	15-AA-0273	23	0	23	0
CWMI - B18 Nonhazardous Codisposal (Kings Waste and Recycling Authority)	16-AA-0023	23	0	23	0
AZUSA LAND RECLAMATION CO, INC (Los Angeles)	19-AA-0013	414	0	414	0
REDWOOD SANITARY LANDFILL (Marin County Hazardous and Solid Waste Management Authority)	21-AA-0001	32,865	0	32,865	<u>12,319</u>
CLOVER FLAT LANDFILL (Upper Valley Waste Management Agency)	28-AA-0002	101	0	101	0
L - D LANDFILL CO (Sacramento County/City of Citrus Heights Regional Agency)	34-AA-0020	24	0	24	0
FORWARD, INC (San Joaquin)	39-AA-0015	267	0	267	0
OX MOUNTAIN SANITARY LANDFILL (San Mateo)	41-AA-0002	6	0	6	0
B - J DROPBOX SANITARY LANDFILL (Solano)	48-AA-0002	159	0	159	0
POTRERO HILLS LANDFILL (Solano)	48-AA-0075	4,899	0	4,899	<u>8,120</u>
CENTRAL LANDFILL (Sonoma County Waste Management Agency)	49-AA-0001	485,131	0	485,131	<u>8,533</u>
Covanta Stanislaus, Inc. (Stanislaus County Regional Solid Waste Planning Agency)	50-AA-0009	1	0	1	0
OSTROM ROAD LANDFILL (Yuba/Sutter Regional Waste Management Authority)	58-AA-0011	15	0	15	0
Totals (Tons)		544,757	0	544,757	<u>29,237</u>

Alternative Daily Cover Used in 2003
Central Disposal Site

Yard Debris
Wood Chips

Post Shell
Close Out with Soil

	January	February	March	April	May	June	July	July	August	September	October	November	December	December
1					150	150	150		350					500
2					150	150	150		350					500
3					150	150			350					500
4					150	150	Holiday		350					500
5					150	150	150		350				500	
6					150	300	150		350				500	
7					150	300	150		350				500	
8					150	300	150		350				500	
9					150	300		150	350				500	
10					150	300		150	350					
11					150	300		150	350					
12					150	150		150					500	
13					150	150		150					500	
14					150	150		300	450				500	
15	No accurate tracking data available for alternative daily cover used during these months				150	150		300	150					
16					150	300		300	150					
17					150	300		300	450					
18					150	300		300	450					500
19					150	150		300						
20					150	150		300						
21					150	150	300							
22					150	150	300							
23					150	150	300							
24					150	150	300					450		
25					150	150	300					450		
26					350	150	300					450		
27					350	150	300					450		
28					150	150	300					450		
29					150	150	300					450		
30					150	150	300					450		
31					150		300					450		
Total yd ³	0	0	0	0	5050	5850	4200	2850	5500	0	0	3600	4000	2500
Compost covers total tons					1170	1355	973.12		1274.3			834.10	926.78	
Wood chip total tons								1375						625
Total Tons of ADC	0	0	0	0	1170	1355	973.12	1375	1274.3	0	0	834.102	926.78	625

Source for Conversion Factors: California Integrated Waste Management Board, Diversion Study, Appendix I, Conversion Factors: Organics
Compost, loose: 1 cubic yard = 463.39 pounds
Wood chips, shredded: 1 cubic yard = 500 pounds

11

Disposal Reporting System Alternative Daily Cover Tonnages
2003 for Sonoma County

Landfill	Material	Total Reported Tonnages
Altamont	Mixed	250.22
Central	Yard Debris, Wood Waste	8,533
Keller Canyon	Green Waste	6.62
Potrero Hills	Sludge	8,120
Redwood	Green Waste	3,557.11
Redwood	Sludge	8,769.60
Total		29,236.55

From: Sala-Moore, Sherrie [SherrieM@CIWMB.ca.gov]

Sent: Thursday, August 05, 2004 1:52 PM

To: Georgia Thompson

Subject: RE: Sonoma County Disposal Figures for 2003

Here you go:

Jur_Name	Jur_Year	Jur_Qtr	Site_Swisno	Cnty_Name	Adc_Type	SumOfAdc_Type_Qty
Sonoma County Waste Management Agency	2003	1	01-AA-0009	Alameda	Mixed	47.16
Sonoma County Waste Management Agency	2003	1	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Green Material	462.67
Sonoma County Waste Management Agency	2003	1	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Sludge	3,764.01
Sonoma County Waste Management Agency	2003	2	01-AA-0009	Alameda	Mixed	63.29
Sonoma County Waste Management Agency	2003	2	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Green Material	46.44
Sonoma County Waste Management Agency	2003	2	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Sludge	1,660.92
Sonoma County Waste Management Agency	2003	3	01-AA-0009	Alameda	Mixed	47.21
Sonoma County Waste Management Agency	2003	3	07-AA-0032	Contra Costa	Green Material	6.62
Sonoma County Waste Management Agency	2003	3	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Green Material	115.89
Sonoma County Waste Management Agency	2003	3	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Sludge	287.65
Sonoma County Waste Management Agency	2003	3	48-AA-0075	Solano	Sludge	213.00
Sonoma County Waste Management Agency	2003	4	01-AA-0009	Alameda	Mixed	92.56
Sonoma County Waste Management Agency	2003	4	07-AA-0001	West Contra Costa Integrated Waste Management Authority	Sludge	8.00
Sonoma County Waste Management Agency	2003	4	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Green Material	2,932.10

Sonoma County Waste Management Agency	2003	4	21-AA-0001	Marin County Hazardous and Solid Waste Management Authority	Sludge	3,049.02
Sonoma County Waste Management Agency	2003	4	48-AA-0075	Solano	Sludge	7,907.00
						20,703.54

-----Original Message-----

From: Georgia Thompson [mailto:bigoakranch@earthlink.net]

Sent: Thursday, August 05, 2004 10:33 AM

To: Sala-Moore, Sherrie

Subject: RE: Sonoma County Disposal Figures for 2003

Sherrie,

Thank you very much for sending the DRS information so promptly. I noticed that there are no tonnages for ADC indicated on the reports. Do you have the ADC tonnages available?

Georgia Thompson

From: Sala-Moore, Sherrie [mailto:SherrieM@CIWMB.ca.gov]

Sent: Thursday, August 05, 2004 8:55 AM

To: Georgia Thompson

Cc: Stephens, Larry

Subject: RE: Sonoma County Disposal Figures for 2003

Attached is the preliminary 2003 DRS data.

Sherrie Sala-Moore

Supervising Integrated Waste Management Specialist I

Disposal Reporting Section, Waste Analysis Branch

Diversion, Planning and Local Assistance Division

Integrated Waste Management Board, MS#24

1001 I Street, P.O. Box 4025

Sacramento, CA 95812-4025

ATTACHMENT J

SONOMA COUNTY C & D COLLECTION PROGRAM FOR 2003

Attachment J											
Sonoma County C & D Collection Program for 2003											
Ref#	Generator Type	Res/ Nonres	Material Type	source reduction	recycling	composting	biomass	ADC	Data source	Weight measurement /conversion factor	Notes
J1	C & D Collection Program	Nonres.	Wood		1,708.51				SCWMA reports	actual tonnage	Used as mulch and landscape materials
J1	C & D Collection Program	Nonres.	OCC		11.76				SCWMA reports	actual tonnage	
J1	C & D Collection Program	Nonres.	Tin		29.11				SCWMA reports	actual tonnage	
J1	C & D Collection Program	Nonres.	Metal		25.09				SCWMA reports	actual tonnage	Restricted Waste - Table 2 in Section 2
	Total C & D Collection Program				1,774.47						
J2	C & D Dropoff Program				739.01					actual tonnage	
	Total C & D Collection and Dropoff Program				2,513.48						

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**NORTH BAY TOTAL RESOURCE
C&D FACILITY SO. COUNTY LANDFILL
MATERIAL RECONCILIATION**

2003	IN				OUT							TOTAL C&D OUT	DIFF
	Per County Tonnage C&D In*	Per So. Co. Dump Bill Garbage*	Dan Davis Chips	Pacific Oroville Chips	Per So. Co. Dump Bill ADC	Per RLF Dump Bill ADC	RECYCLABLES						
							OCC	METAL	TIN	PAPER	GLASS		
April	219.61	51.23	41.88	-	-	-	-	-	-	-	93.11	126.51	
May	906.50	309.80	267.50	-	26.34	-	-	-	-	-	603.63	302.87	
June	685.64	113.97	205.00	-	223.28	-	-	7.45	-	-	549.69	135.95	
July	697.16	199.40	118.75	-	287.48	-	-	-	-	-	605.62	91.54	
August	863.30	351.52	157.50	-	1,336.50	-	-	-	-	-	1,845.52	(982.22)	
September	1,550.33	904.64	152.50	-	173.56	-	-	-	-	-	1,230.70	319.63	
October	1,332.75	764.68	7.50	104.37	1,530.25	-	1.09	-	-	-	2,407.89	(1,075.14)	
November	1,406.35	490.58		291.66	425.69	997.50	6.98	17.64	-	-	2,230.05	(823.70)	
December	1,095.27	476.30		361.85	76.78	601.25	3.69	-	29.11	-	1,548.98	(453.70)	
2003 Total	8,756.91	3,662.11	950.63	757.88	4,079.86	1,598.75	11.76	25.09	29.11	-	-	11,115.19	(2,358.28)

Total diverted: 7,453.08

2004													
January	764.30	412.70		299.84	15.40	356.88	38.73	4.74		2.79		1,131.07	(366.77)
February	924.54	464.82		426.49	-	498.38		13.03				1,402.71	(478.17)
March	1,191.46	654.20		420.55	-	328.63	2.95	9.01				1,415.34	(223.88)
April	1,522.63	907.92		324.23	-	282.13	11.69	154.38	9.84	18.66	14.35	1,723.19	(200.56)
May	1,403.25	898.67		508.18		666.25	12.25	99.15	2.83			2,187.33	(784.08)
June												-	
July												-	
August												-	
September												-	
October												-	
November												-	
December												-	
2004 Total	5,806.18	3,338.30	-	1,979.29	15.40	2,132.25	65.62	280.31	12.67	21.45	14.35	7,859.64	(2,053.46)

Total diverted: 4,521.34

**2003 RECYCLING & COMPOSTING QUALITIES FOR SRRE PROGRAMS FUNDED
OR OPERATED BY THE SONOMA COUNTY WASTE MANAGEMENT AGENCY OR
ITS MEMBER JURISDICTIONS (In tons of materials diverted)**

	County Drop-Offs and Tipping Building Floor Sorts	Residential Curbside Recycling	Commercial Recycling Collection	Organics Diversion	Other Programs	TOTAL
Newspaper	703.09	9,528.00	1,367.92			11,599.01
Cardboard	1,074.56	6,501.10	19,111.57			26,687.23
Mixed Paper	177.47	11,782.28	7,048.76			19,008.51
Office Paper		3,831.00	1,143.47			4,974.47
Glass jars & bottles	382.71	9,479.09	4,042.70			13,904.50
Glass window panes	45.99					45.99
Scrap Metal	10,076.48		1,013.89			11,090.37
Aluminum, Scrap / Cans	61.17	230.55	161.73			453.45
Metal (Tin Cans)	573.78	909.42	621.68			2,104.88
Dirt	2,822.73					2,822.73
Concrete	84.20					84.20
Rock	156.63					156.63
C&D Materials	739.01					739.01
Porcelain Fixtures	76.22					76.22
Mixed Plastics	92.37	487.58	177.61			757.57
HDPE		1,503.47	689.04			2,192.51
PET		797.62	274.16			1,071.78
Beverage Containers					8.32	8.32
Reuse	552.28					552.28
Tires*	107.09					107.09
Yard Debris				82,162.91		82,162.91
Wood Waste				12,845.76		12,845.76
Batteries	76.48					76.48
Oil	147.20					147.20
Oil Filters	13.31					13.31
Latex Paint	4.01					4.01
CRTs	380.39					380.39
CCU Recycle	43.87					43.87
TOTAL	18,391.03	45,050.12	35,652.53	95,008.67	8.32	194,110.67

C
2

ATTACHMENT K
SONOMA COUNTY 2003 DISPOSAL

Attachment K		
Sonoma County 2003 Disposal		
Ref#	2003 Disposed Tonnage	Data Source
K1	544,757.00	Preliminary DRS Tonnage
K2	(20,196.35)	Credit for Contaminated Soil
K3	(1,153.17)	Credit for Indian Land Waste
	523,407.48	Adjusted Disposal Tonnage

Jurisdiction Disposal and Alternative Daily Cover (ADC) Tons by Facility**Disposal during 2003 for Sonoma County Waste Management Agency**

To view ADC tonnage by material type, click on the ADC amount. ADC by material type is not available for years prior to 1998.

Facility Name (County)	SWIS Number	In-state Disposal	Exported Out-of-State	Total Disposal	ADC Amount
ALTAMONT LANDFILL - RESOURCE RECV'RY (Alameda)	01-AA-0009	121	0	121	<u>250</u>
VASCO ROAD SANITARY LANDFILL (Alameda)	01-AA-0010	117	0	117	0
WEST CONTRA COSTA LANDFILL (West Contra Costa Integrated Waste Management Authority)	07-AA-0001	25	0	25	<u>8</u>
KELLER CANYON LANDFILL (Contra Costa)	07-AA-0032	20,529	0	20,529	<u>7</u>
ARVIN SANITARY LANDFILL (Kern)	15-AA-0050	38	0	38	0
BAKERSFIELD S.L.F. (BENA) (Kern)	15-AA-0273	23	0	23	0
CWMI - B18 Nonhazardous Codisposal (Kings Waste and Recycling Authority)	16-AA-0023	23	0	23	0
AZUSA LAND RECLAMATION CO, INC (Los Angeles)	19-AA-0013	414	0	414	0
REDWOOD SANITARY LANDFILL (Marin County Hazardous and Solid Waste Management Authority)	21-AA-0001	32,865	0	32,865	<u>12,319</u>
CLOVER FLAT LANDFILL (Upper Valley Waste Management Agency)	28-AA-0002	101	0	101	0
L - D LANDFILL CO (Sacramento County/City of Citrus Heights Regional Agency)	34-AA-0020	24	0	24	0
FORWARD, INC (San Joaquin)	39-AA-0015	267	0	267	0
OX MOUNTAIN SANITARY LANDFILL (San Mateo)	41-AA-0002	6	0	6	0
B - J DROPBOX SANITARY LANDFILL (Solano)	48-AA-0002	159	0	159	0
POTRERO HILLS LANDFILL (Solano)	48-AA-0075	4,899	0	4,899	<u>8,120</u>
CENTRAL LANDFILL (Sonoma County Waste Management Agency)	49-AA-0001	485,131	0	485,131	<u>8,533</u>
Covanta Stanislaus, Inc. (Stanislaus County Regional Solid Waste Planning Agency)	50-AA-0009	1	0	1	0
OSTROM ROAD LANDFILL (Yuba/Sutter Regional Waste Management Authority)	58-AA-0011	15	0	15	0
Totals (Tons)		544,757	0	544,757	<u>29,237</u>

Reporting Year Disposal Tonnage Modification Request and Certification

(02-02)

To request a change to your jurisdiction's reporting year disposal amount, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below. Please note that upon review of your request, OLA staff may ask for additional information if the information provided in the form is not clear. OLA staff will review your request as part of the Annual Report/Biennial Review process; therefore, it is recommended that this form be included as part of your Annual Report to the California Integrated Waste Management Board (Board).

Please be advised that the Biennial Review is not only a review of whether a jurisdiction has met their diversion rate requirement, but it is also an evaluation of a jurisdiction's progress in implementing the selected programs identified in their Source Reduction and Recycling Element (SRRE) and Household Hazardous Waste Element.

If you have any questions about the certification process, or how to fill out this form, please call your OLA representative at (916) 341- 6199.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance (MS - 25)
1001 I Street
P.O. Box 4025 (mailing address)
Sacramento, CA 95812-4025

General Instructions:

Please complete both Section I and Section II, and then all other applicable subsections.

Section I: Jurisdiction Information and Certification

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name

Sonoma County Waste Management Agency

County

Sonoma

Authorized Signature

Title

Director

Type/Print Name of Person Signing

Ken Wells

Date

2/27/04

Phone

(707) 565-3788

Person Completing This Form (please print or type)

Donna Caldwell

Title

Integrated Waste
Specialist

Phone

(707) 565-3587

Mailing Address

2300 County Center Drive, Suite B100

City

Santa Rosa

State

CA

ZIP Code

95403

E-mail Address:

refdonna@sonoma-county.org

Section II: Information for Modification of Existing Reporting Year Disposal Tonnage

If requesting more than one type of reporting year disposal tonnage modification, please complete a separate subsection "A7" for each type of modification and attach as A7-1, A7-2, etc., and complete all applicable subsections for each reporting year inaccuracy selected in A5.

A1. Reporting Year to be Corrected:	A2. Current Disposal Tonnage as Reported To The Board:	A3. Increased or Decreased Tons Requested:	A4. Proposed Total Reporting Year Disposal Tons Requested:
2003	544,757 tons	21,349.5 tons	523,407.5 tons

A5. Statute (PRC sections 41031-41033, 41331-41333), Regulation (14CCR sections 18722 et seq., 18800 et seq), and Board Policy (modification methods as outlined in the March 27, 1997 Board-approved "Agenda Item 32") allow for reporting year disposal tonnage modifications. Please state the nature of the reporting year disposal tonnage inaccuracy by checking all that apply. (*Information regarding Statute, Regulations and "Agenda Item 32" are available on the Board's Web site at www.ciwmb.ca.gov/Law.htm and at www.ciwmb.ca.gov/LgLibrary/Policy/BaseYrChange/*)

☒ Disposed waste actually generated in another jurisdiction (e.g., misallocated waste). *Answer questions A6-A9.*

☐ Disposal tonnage miscalculated. (This could be a 100% audit of hauler and self-haul tonnage in lieu of Disposal Reporting System (DRS) disposal tonnage when correcting an existing, or establishing a new, base year.) *Answer questions A6-A9.*

☒ Non-hazardous designated waste tonnage or disposal mandated by federal or State agency policy, order, or contract modification. *Answer question A10.* Also, reference Board's Web page for Class II Policy Letter at www.ciwmb.ca.gov/LgLibrary/Policy/Class2.htm

☐ Waste disposal from a declared disaster or public emergency. (Reference: 14CCR, Art. 9.0, sec. 18794.0 (g), and sec. 18794.2 (g) for disaster-related reporting requirements.) *Answer questions A7-A9 and A11.*

☐ Waste exported out of state and later diverted. (Reference 14CCR, Art. 9.2, sec. 18813 (c) (4) for additional information.) *Answer questions A7-A9 and A12.*

☐ Residual waste from regional diversion facility. (Reference PRC section 41782 (a) (2), (b) and (c) for additional disposal tonnage modification requirements.) *Answer questions A7-A9 and Sections III, IV and V.*

☐ Residual waste from regional medical waste treatment facility. (Reference PRC section 41782 (a) (1), (b) and (c) for additional disposal tonnage modification requirements.) *Answer questions A7-A9 and Sections III and V.*

☒ C&D tonnage from a federal, state, or other agency project outside of a jurisdiction's control. *Answer questions A7-A9 and Section VI.*

☐ Other reporting year disposal tonnage inaccuracy not specifically outlined in statute, or "Agenda Item 32." Please explain in detail below, including your proposed tonnage modification method. *Answer questions A7-A9.*

A6.a. (Answer only if you are claiming a misallocation or miscalculation.) Please explain the basis for the misallocation or miscalculation claim, i.e., why is the disposal tonnage reported through the Board's DRS not correct? *Attach documentation that demonstrates the misallocation or miscalculation.*

b. Please indicate below:

Correct jurisdiction of origin: Out-of-State -- Indian Country

Landfill operator: County of Sonoma

Reporting county: County of Sonoma

c. How has the misallocation or miscalculation problem been resolved so that the error does not reoccur?

As the operator of the Central Disposal Site and the owner of five rural transfer stations in Sonoma County, the County will be able to add the Indian Country Waste as an additional jurisdiction of origin on its monthly Source Tonnage Report. However, since Indian Country waste was not identified to the County as a source of out-of-state waste until the middle of 2004, this misallocation will not be completely resolved until 2005.

d. Parties affected by this misallocation or miscalculation claim (e.g., jurisdiction[s]), hauler[s], county[s] or landfill operator[s]) should be notified in writing regarding the problem and your pending claim to the Board. *Attach a copy of the notification letter(s) sent.* The notification letter should identify the problem claimed in subsection A5, tonnage amount claimed. This should give the basis for determining the correct jurisdiction of origin or disposal calculation (including any substantiating documentation), and a proposal for correcting/addressing the problem.

A7. In the table below, list the data records that support your claim and are available for Board review. For example, weight tickets from a transfer station or a signed letter on official letterhead indicating where the waste tonnage originated (i.e. jurisdiction of origin).

Source of Disposal Data	Tons	Type of Record	Location of Data
Contra Costa County, Community Development Dept., Martinez, CA	20,173.46 tons of Class II wastes	Disposal Reporting Results Report for first, third and fourth quarters of 2003. No Class II waste was reported in the second quarter of 2003.	Data for report generated by Contra Costa County; copies of reports are included in the SCWMA's 2003 Annual Report.
Kings County Planning Agency, Hanford, CA	22.86 tons of Class II wastes	Disposal Reporting Results Reports for four quarters of 2003.	Data for report generated by Kings County; copies of reports are included in the SCWMA's 2003 Annual Report.
North Bay Corporation	669.12 tons of general refuse	Signed correspondence from North Bay Corporation summarizing account information for Stewarts Point Rancheria and Dry Creek Rancheria/River Rock Casino.	Corporate accounting records are located at P.O. Box 1916, Standish Avenue, Santa Rosa, CA 95402, 707/586-5547. Contact is Richard Johnson, Community & Governmental Affairs Director, 707/586-5533.
	484.05 tons of C&D wastes		

A8. What is your calculated diversion rate before and after the proposed change in disposal tonnage?

Reporting year: 2003

Current Board default diversion rate: Unavailable at time of submittal of 2003 base year adjustment request. The diversion rate calculator is not yet available. %

Diversion rate using proposed disposal tonnage: 55.1 %

A9. If the proposed reporting year tonnage modification results in an increase in your waste diversion rate, please explain how your diversion rate is consistent with your level of SRRE program implementation. For example, does your new diversion percentage reflect the recycling and diversion programs you have implemented in your jurisdiction?

The diversion rate reflects all of the recycling and diversion programs implemented in Sonoma County by the SCWMA as detailed in the SCWMA's Paris Chart of the 2003 Annual Report, including the additional program changes and the new programs implemented to comply with the SCWMA's SB1066 Correction Plan. In addition, the new diversion rate includes extensive business waste reduction programs documented by the 2003 Solid Waste Generation Study ("SWGS") that did not exist in 1990 when the original Waste Characterization Study was conducted by Sonoma County. The 2003 SWGS was conducted in order to provide backup documentation for a Base Year Adjustment request. The 2003 SWGS also documents the diversion from the County's C&D program, operational improvements at the Central Disposal Site (reuse, recycling, tire recycling, metal and appliance recycling, yard debris composting, wood waste processing), and other expanded materials diversion at the new tipping building. Recently implemented and expanded programs include backyard composting, residential curbside, agency grasscycling, school recycling, procurement and County in-house recycling, special collections, and increases by drop-off and buyback facilities. In addition, the County has adopted local ordinances that ban yard debris and wood waste, and most recently, scrap metal and cardboard, from landfill disposal.

Since the CIWMB has determined that the Class II waste disposed of in the Keller Canyon Landfill is not allowed to be diverted according to Keller Canyon Landfill's permits, and since petroleum-contaminated soil was not included in the 1990 Baseline Waste Generation Study, the waste does not affect the SCWMA's programs or the amount of materials being diverted. In fact, the large fluctuation of Class II wastes would continue to lower the SCWMA's diversion rate creating a hardship that would prevent the SCWMA from meeting its AB 939 diversion mandates.

Also, disposal of waste generated as Indian Country Waste does not affect the success of the recycling and diversion programs implemented by the SCWMA and local jurisdictions for those reasons discussed above.

A10.a. (Answer only if you are claiming a modification because of non-hazardous designated waste tonnage or disposal mandated by federal or state agency policy or contract.) Please identify the material type and tonnage being claimed, and explain why the landfill is prohibited from diverting the material. (Attach documentation showing tonnage claimed by material type).

This request includes a credit of 20,916 tons of Class II waste (specifically, petroleum-contaminated soil) disposed at the Keller Canyon Landfill in Contra Costa County and the Kettleman Hills Facility in Kings County. Sonoma County has no control over the final disposition of the Class II wastes delivered and disposed of at either facility.

Class II was not included in the 1990 Solid Waste Generation Studies (WGS) for the jurisdictions of Sonoma County because Class II wastes are not defined as municipal solid waste or disposed in the Central Disposal Site (CDS) in Sonoma County. Therefore, Class II wastes were not included in the equation to calculate the total amount of solid waste generated ($GEN = DISP + DIVERT$) from Sonoma County's facilities.

The Central Disposal Site Solid Waste Facility Permit (49-AA-0148) allows the local landfill to accept Class III wastes only and the facility does not accept waste that is defined hazardous by RCRA and/or CCR Title 22. Refuse Bulletin No. 100 outlines the specific steps that must be complied with before the CDS will accept any soil for disposal or beneficial reuse.

b. Describe your efforts to divert the non-hazardous designated waste material prior to this tonnage modification request.

The Central Disposal Site has an established policy that outlines the specific steps that must be complied with when considering whether or not to accept soil for disposal or beneficial reuse. Refuse Bulletin No. 100 (attached) describes the steps and information required, such as the amount, laboratory results, chain of custody, and location of where the material was generated, in order to make a determination. When these conditions are met, the CDS will accept and stockpile soil for beneficial reuse as daily cover material.

A11.a. (Answer only if you are claiming waste disposal from a declared disaster or public emergency.) Describe the disaster or emergency claimed below (e.g., fire, flood; month/year of disaster; who declared the disaster or emergency). (Also attach a copy of official public notice of the disaster or emergency.)

b. Describe the diversion programs implemented to maximize diversion of disaster-related solid waste.

A12. (Answer only if you are claiming out-of-state waste that was reported in the Disposal Reporting System that was later diverted.) Describe the diversion program; e.g., responsible agency for the diversion, diversion program, reporting information provided to substantiate the tonnage claimed.

Section III: Facility Information (Answer only if you are claiming residual waste from a regional diversion facility or treated waste from a regional medical waste treatment facility.)

1. Facility name:

2. Facility location:

3. Total tons of residual waste disposed (for diversion facility): _____ tons

Total tons of waste disposed (for medical waste treatment facility): _____ tons

4. List the material types processed by the facility.

5. (*Answer only if claiming a deduction for treated medical waste*). List the jurisdictions contributing the non-treated medical waste processed by the facility.

Section IV: Regional Diversion Facility Qualification: (Answer only if you are claiming residual waste from a regional diversion facility.)

1. Does the facility accept material from within the jurisdiction?
☐ Yes *If yes, go to question 2.*
☐ No *If no, go to question 9.*
2. Does the facility have a Solid Waste Facility Permit?
☐ Yes *If yes, go to question 9.*
☐ No *If no, go to question 3.*
3. List the jurisdictions that send waste to the regional diversion facility.
4. Explain how the material received by the facility was source-separated for the purpose of being processed prior to its arrival at the facility.
5. How much residual waste is generated by the facility? _____ % (of material received) _____ tons
6. Is all residual waste a result of the recycling that takes place at the facility? Please explain. Note: Waste generated by the facility that is not a result of the processing of the recycled material handled by the facility may not be included in the residual claimed for deduction (e.g., waste from offices, lunch room, etc.)
7. Describe how the facility contributes to the regional effort to divert solid waste from disposal.
8. List and explain the factors that prevent the facility or jurisdiction from allocating the residual waste back to contributing jurisdictions.
9. If you answered No to question 1, or Yes to question 2, your claim does not qualify for a deduction.

Section V: Required Annual Report Information (To be answered only if claiming a reporting year deduction for residual waste from a regional diversion facility or a regional medical waste treatment facility that was approved in the previous year's annual report.)

1. What is the total amount of residual solid waste produced at the facility?
2. % (of total material handled) _____ Tons
3. List the individual waste types and amounts of residual solid waste that cannot feasibly be diverted by the facility.
4. List all of the factors that continue to prevent the residual waste from feasibly being diverted.
5. Identify and describe any changes to the facility or residual waste since this deduction was first granted or since the last annual report.
5. Identify and describe any additional efforts undertaken or planned to divert some or all of the residual waste generated by the facility.

Section VI: Construction and Demolition (C&D) Tonnage. (To be completed only if claiming a reporting year deduction for disposal tonnage generated by a C&D project outside of the jurisdiction's control.)

1. Project Description.

- a. Identify the project's controlling or lead agency (e.g., CalTrans, Bart).
- b. Identify the jurisdiction(s) in which the project is occurring.
- c. What is the project's start date: 2002 Projected end date: unknown at this time
- d. Describe the project for which this claim is being made.
- e. Explain why this project is outside your jurisdiction's control (e.g., while your jurisdiction has a C&D recycling ordinance tied to building permits, the project's permit was not required to go through the local permitting process).
(a) The controlling agency of the River Rock Casino is the Dry Creek Rancheria. (b) The construction project was built within the boundaries of the rancheria on tribal lands. (c) The project began in late 2002; the completion date is unknown at this time. (d) The current construction project is a parking garage. (e) This project was outside of the SCWMA's control since it is located in Indian Country and the project's permit was not required to go through the local permitting process.

2. Disposal Information.

- a. Year for which this deduction is being claimed: 2003
- b. What is the disposal deduction tonnage being claimed? 484.05 tons
- c. Attach appropriate documentation showing tonnage claimed is from this project and generated within this jurisdiction (e.g., landfilled weight tickets).

3. Efforts to Divert the C&D Waste.

- a. Describe your efforts to divert the C&D waste from this project, including the barriers encountered, if any: attach supporting documentation. The description may also be provided in a letter attached to this sheet.

As part of the SB1066 Time Extension Request approved by the CIWMB, the County of Sonoma designed and implemented a C&D diversion program at the Central Disposal Site, with future plans to expand the collection of C&D at the Healdsburg and Sonoma Transfer Stations. The expansion of the C&D program to the transfer stations was not completed prior to the initiation of the construction project at the River Rock Casino.

- b. Were the efforts to divert the C&D waste successful? Please explain.

According to the North Bay Corporation, all of the C&D material collected from this construction was delivered directly to the Healdsburg Transfer Station. Therefore, in 2003, C&D material from this project was not diverted and was landfilled as regular solid waste. In addition, the material was generated as Indian Country Waste, and therefore, was not generated by residents within the County of Sonoma. With the successful expansion of the collection of C&D to the Healdsburg Transfer Station beginning in 2004, all incoming C&D is transferred to the Central Disposal Site for C&D processing, including that generated within Indian Country.

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**Contra Costa County, Community Development Department
Martinez, California
Disposal Reporting Results for Counties Outside of Contra Costa County
Case #1 Tonnage Summary**

Keller Canyon Landfill Special Waste 2003

1st Quarter	11,068.81
2nd Quarter	0.00
3rd Quarter	4,223.74
4th Quarter	4,880.91
	20,173.46 total contaminated soil

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Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 1

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
PETALUMA						
1	BASIN STREET TOWN CETNER	B57	VOC CONT MORE THEN 50 TONS	779.58		0.00
Monthly Total:				779.58		0.00
2	BASIN STREET TOWN CETNER	B57	VOC CONT MORE THEN 50 TONS	2,326.92		0.00
Monthly Total:				2,326.92		0.00
PETALUMA Total:				3,106.50		0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 1

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
SANTA ROSA						
1	EDD CLARK & ASSOCIATES	B53	CONSTRUCTION & DEMOLITION	2.36		0.00
	NORTHERN ABATEMENT CO, INC	C03	CONSTRUCTION & DEMOLITION	5.83		0.00
	SOMA ENVIRONMENTAL ENGINEERING, INC.	B51	CONTAMINATED SOIL	5,415.22		0.00
Monthly Total:				5,423.41		0.00
2	SOMA ENVIRONMENTAL ENGINEERING, INC.	B51	CONTAMINATED SOIL	2,547.09		0.00
Monthly Total:				2,547.09		0.00
SANTA ROSA Total:				7,970.50		0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 1

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
SONOMA, CITY						
1	NORTHERN ABATEMENT CO, INC	C03	CONSTRUCTION & DEMOLITION	6.79		0.00
		C04	CONSTRUCTION & DEMOLITION	38.13		0.00
	WILLIE ELECTRIC COMPANY, INC.	B50	SPECIAL WASTE	18.83		0.00
Monthly Total:				63.75		0.00
SONOMA, CITY Total:				63.75		0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 3

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
CLOVERDALE						
7	GHILOTTI CONSTRUCTION COMPANY	B51	CONTAMINATED SOIL	1,319.03		0.00
				Monthly Total:	1,319.03	0.00
8	GHILOTTI CONSTRUCTION COMPANY	B51	CONTAMINATED SOIL	1,744.44		0.00
				Monthly Total:	1,744.44	0.00
9	GHILOTTI CONSTRUCTION COMPANY	B51	CONTAMINATED SOIL	1,059.85		0.00
				Monthly Total:	1,059.85	0.00
				CLOVERDALE Total:	4,123.32	0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 3

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
PETALUMA						
7	YELTON COMPANY	C03	CONSTRUCTION & DEMOLITION	2.80		0.00
Monthly Total:				2.80		0.00
9	CASH/ONE TIME CUSTOMERS	B04	CONSTRUCTION & DEMOLITION	12.22		0.00
Monthly Total:				12.22		0.00
PETALUMA Total:				15.02		0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 3

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons
Month	Company			Landfilled		ADC
<u>SONOMA County</u>						
SANTA ROSA						
7	PARADISO MECHANICAL, INC.	B51	CONTAMINATED SOIL	46.31		0.00
	YELTON COMPANY	C03	CONSTRUCTION & DEMOLITION	7.71		0.00
Monthly Total:				54.02		0.00
9	FRYE ENVIRONMENTAL	B51	CONTAMINATED SOIL	25.47		0.00
Monthly Total:				25.47		0.00
SANTA ROSA Total:				79.49		0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 3

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
SEBASTOPOL						
7	BRUNSING ASSOCIATES, INC.	B51	CONTAMINATED SOIL	28.64		0.00
Monthly Total:				28.64		0.00
SEBASTOPOL Total:				28.64		0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 3

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
SONOMA, CITY						
8	CASH/ONE TIME CUSTOMERS	B04	CONSTRUCTION & DEMOLITION	16.63		0.00
Monthly Total:				16.63		0.00
SONOMA, CITY Total:				16.63		0.00

Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 3

Jurisdiction of Origin		Waste Code	Waste Type	Tons	ADC Type	Tons ADC
Month	Company			Landfilled		
<u>SONOMA County</u>						
UNINCORPORATED SONOMA						
9	PHBD-PHB INTERCOMPANY	B05	GREEN WASTE		GREEN WASTE	6.62
Monthly Total:						6.62
UNINCORPORATED SONOMA Total:						6.62

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Keller Canyon Special Waste Loads By Jurisdiction of Origin

Year: 2003 Quarter: 4

Jurisdiction of Origin		Waste Code	Waste Type	Tons Landfilled	ADC Type	Tons ADC
Month	Company					
SONOMA County						
CLOVERDALE						
10	GHILOTTI CONSTRUCTION COMPANY	B51	CONTAMINATED SOIL	673.28		0.00
				Monthly Total:	673.28	0.00
11	GHILOTTI CONSTRUCTION COMPANY	B51	CONTAMINATED SOIL	3,279.23		0.00
				Monthly Total:	3,279.23	0.00
12	GHILOTTI CONSTRUCTION COMPANY	B51	CONTAMINATED SOIL	413.64		0.00
				Monthly Total:	413.64	0.00
				CLOVERDALE Total:	4,366.15	0.00
PETALUMA						
10	ALBERT D. SEENO CONSTRUCTION	B50	SPECIAL WASTE	22.14		0.00
				Monthly Total:	22.14	0.00
				PETALUMA Total:	22.14	0.00
SANTA ROSA						
10	JOHN'S EXCAVATING	B51	CONTAMINATED SOIL	482.25		0.00
				Monthly Total:	482.25	0.00
				SANTA ROSA Total:	482.25	0.00
SONOMA, CITY						
12	APEX ENVIRONMENTAL	B51	CONTAMINATED SOIL	32.51		0.00
				Monthly Total:	32.51	0.00
				SONOMA, CITY Total:	32.51	0.00

Jurisdiction of Origin		Waste Code	Waste Type	Tons Landfilled	ADC Type	Tons ADC
Month	Company					
UNINCORPORATED SONOMA						
12	PHBD-PHB INTERCOMPANY	B02	CONSTRUCTION & DEMOLITION	8.72		0.00
Monthly Total:				8.72		0.00
UNINCORPORATED SONOMA Total:				8.72		0.00
SONOMA County Total:				4,911.77		0.00

**Kings County Planning Agency
Hanford, California
Quarterly Solid Waste Report for Waste Disposed within Kings County
Case #2 Tonnage Summary**

Kettleman Hills Facility (Class II)	2003
1st Quarter	17.26
2nd Quarter	4.00
3rd Quarter	0.40
4th Quarter	1.20
	22.86 total contaminated soil

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KINGS COUNTY
QUARTERLY SOLID WASTE REPORT FOR WASTE DISPOSED WITHIN KINGS COUNTY

Y 2003 Contact: Greg Gatzka (ggatzka@co.kings.ca.us)
 Quarter: 4th QUARTER (Oct-Dec) Phone: (559) 582-3211 ext. 2682

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III		
City of Alameda	Alameda					0	48.53		0	48.53
City of Hayward	Alameda					0	37.68		0	37.68
City of Livermore	Alameda					0	5.34		0	5.34
City of Oakland	Alameda					0	4.82		0	4.82
Union City	Alameda					0	0.4		0	0.4
City of Jackson	Amador					0	0.4		0	0.4
City of Martinez	Contra Costa					0	0.84		0	0.84
City of Pittsburg	Contra Costa					0	72.95		0	72.95
City of Richmond	Contra Costa					0	4.8		0	4.8
City of Clovis	Fresno					0		160	160	160
City of Coalinga	Fresno					0	3.99	32	32	35.99
City of Firebaugh	Fresno					0		6	6	6
City of Fresno	Fresno		24033.97			0	70.14	2733	26766.97	26837.11
City of Huron	Fresno					0	2	738	738	740
City of Kingsburg	Fresno		24.61			0			24.61	24.61
City of Orange Cove	Fresno		1175			0			1175	1175
City of Mendota	Fresno					0		14	14	14
City of Parlier	Fresno					0		15	15	15
City of Reedley	Fresno					0		21	21	21
City of San Joaquin	Fresno					0		3	3	3
City of Sanger	Fresno					0		53	53	53
City of Selma	Fresno					0	16.29		0	16.29
Fresno County	Fresno		762.34			0		7076	7838.34	7838.34
Auberry (Unc.)	Fresno					0	4		0	4
Biola (Unc.)	Fresno					0		1	1	1
Miramonte (Unc.)	Fresno					0		1	1	1
Shaver Lake (Unc.)	Fresno					0	4		0	4
City of Willows	Glen					0	0.4		0	0.4
City of Bishop	Inyo					0	7.6		0	7.6
City of Bakersfield	Kern					0	2288.86		0	2288.86
City of Delano	Kern					0		214	214	214
City of Ridgecrest	Kern					0	0.4		0	0.4
City of Taft	Kern					0	0.4		0	0.4
Burrell (Unc.)	Kern					0	4.1		0	4.1
McKittrick (Unc.)	Kern					0	965.93		0	965.93
Mojave (Unc.)	Kern					0	18.93		0	18.93
City of Avenal	Kings		166.26			0	465.96	2027	2193.26	2659.22
City of Corcoran	Kings		3356.99			0			3356.99	3356.99
City of Hanford	Kings		10753.45			0			10753.45	10753.45
City of Lemoore	Kings		4077.38			0	32.74		4077.38	4110.12
Kings County	Kings		2071.67			0		1012	3083.67	3083.67
Arvin (Unc.)	Kings		76.49			0		368	444.49	444.49
Arvin City (Unc.)	Kings		590.31			0			590.31	590.31
Lemoore NAS (Unc.)	Kings		973.39			0			973.39	973.39
Stratford (Unc.)	Kings		66.98			0	5.89		66.98	72.87
City of Avalon	Los Angeles					0	7.41		0	7.41

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III	Total Class III	Total Disposed
City of Azusa	Los Angeles					0	1.6		0	1.6
City of Cerritos	Los Angeles					0	7.3		0	7.3
Carson City	Los Angeles					0	0.76		0	0.76
City of Commerce	Los Angeles					0	41.77		0	41.77
City of El Segundo	Los Angeles					0	61.85		0	61.85
City of La Mirada	Los Angeles					0	20.4		0	20.4
City of Long Beach	Los Angeles					0	94.99		0	94.99
City of Los Angeles	Los Angeles					0	52.16		0	52.16
Pacoima (L.A.)	Los Angeles					0	0.4		0	0.4
San Pedro (L.A.)	Los Angeles					0	1.46		0	1.46
Wilmington (L.A.)	Los Angeles					0	12.16		0	12.16
City of Palmdale	Los Angeles					0	8.67		0	8.67
City of Paramount	Los Angeles					0	1.2		0	1.2
City of Pasadena	Los Angeles					0	0.4		0	0.4
City of Santa Fe Springs	Los Angeles					0	9.44		0	9.44
City of Vernon	Los Angeles					0	4.4		0	4.4
Castaic (Unc.)	Los Angeles					0	2.8		0	2.8
Littlerock (Unc.)	Los Angeles					0	0.4		0	0.4
Rancho Dominguez (Unc.)	Los Angeles					0	4.5		0	4.5
Oakhurst (Unc.)	Madera					0	19.96		0	19.96
City of Los Banos	Merced					0	5.04		0	5.04
City of Merced	Merced					0	7.69	171	171	178.69
Santa Nella (Unc.)	Merced					0	15.86		0	15.86
City of King City	Monterey					0	0.4		0	0.4
City of Salinas	Monterey					0	10.47		0	10.47
San Ardo (Unc.)	Monterey					0	20.15		0	20.15
City of Napa	Napa					0	0.4		0	0.4
City of Anaheim	Orange					0	0.4		0	0.4
City of Brea	Orange	5.38				0			0	5.38
City of Huntington Beach	Orange					0	7447.04		0	7447.04
City of Fountain Valley	Orange					0	29.97		0	29.97
City of Lake Forrest	Orange					0	0.4		0	0.4
City of Seal Beach	Orange					0	58.98		0	58.98
City of Auburn	Placer					0	1.2		0	1.2
City of Riverside	Riverside					0	2		0	2
City of Sacramento	Sacramento					0	106.63		0	106.63
City of Rancho Cucamonga	San Bernardino					0	2.08		0	2.08
Bloomington (Unc.)	San Bernardino					0	3.54		0	3.54
City of San Diego	San Diego					0	7.29		0	7.29
City/County San Francisco	San Francisco					0	2392.72		0	2392.72
City of Stockton	San Joaquin					0	3.2		0	3.2
Holt (Unc.)	San Joaquin					0	0.4		0	0.4
City of Morro Bay	San Luis Obispo					0	1.84		0	1.84
City of San Luis Obispo	San Luis Obispo					0	24.97		0	24.97
Avila Beach (Unc.)	San Luis Obispo					0	6		0	6
City of Watsonville (Unc.)	San Luis Obispo					0	51.58		0	51.58
City of Daly City	San Mateo					0	1.2		0	1.2
City of East Palo Alto	San Mateo					0	36.18		0	36.18
City of Menlo Park	San Mateo					0	12		0	12
City of Goleta	Santa Barbara					0	1.5		0	1.5

Location	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total				
Vandenberg AFB (Lompoc)	Santa Barbara					0	349.84		0	349.84
City of Santa Barbara	Santa Barbara					0	171.29		0	171.29
City of Santa Maria	Santa Barbara		888.83			0	3760.92		888.83	4649.75
Gaviota (Unc.)	Santa Barbara					0	9.89		0	9.89
Isla Vista (Unc.)	Santa Barbara					0	3.2		0	3.2
Casmalia (Unc.)	Santa Barbara					0	6513.46		0	6513.46
Orcutt (Unc.)	Santa Barbara					0	22.38		0	22.38
City of Cupertino	Santa Clara					0	0.12		0	0.12
City of Morgan Hill	Santa Clara					0	6.31		0	6.31
City of Palo Alto	Santa Clara					0	22.8		0	22.8
City of San Jose	Santa Clara					0	324.78		0	324.78
City of Santa Clara	Santa Clara					0	6.51		0	6.51
City of Sunnyvale	Santa Clara					0	2.56		0	2.56
City of Santa Cruz	Santa Cruz					0	0.4		0	0.4
Burney (Unc.)	Shasta					0	0.4		0	0.4
City of Rio Vista	Solano					0	1.6		0	1.6
City of Vacaville	Solano					0	1		0	1
City of Healdsburg	Sonoma					0	0.4		0	0.4
City of Santa Rosa	Sonoma					0	16.86		0	16.86
Yuba City	Sutter					0	0.12		0	0.12
Meridian (Unc.)	Sutter					0	1.5		0	1.5
City of Modesto	Stanislaus					0	0.4		0	0.4
City of Newman	Stanislaus					0	6.88		0	6.88
City of Dinuba	Tulare		2309.54			0	5.08	2	2311.54	2316.62
City of Exeter	Tulare		893			0		599	1492	1492
City of Farmersville	Tulare		755			0		397	1152	1152
City of Lindsay	Tulare		1512.55			0			1512.55	1512.55
City of Porterville	Tulare		257.6			0			257.6	257.6
City of Tulare	Tulare		3310.23			0			3310.23	3310.23
City of Visalia	Tulare		3609			0	11.99	786	4395	4406.99
City of Woodlake	Tulare					0		32	32	32
Tulare County	Tulare		15682.12			0			15682.12	15682.12
City of Sonora	Tuolumne					0	0.8		0	0.8
Point Mugu (Unc.)	Ventura					0	86.03		0	86.03
Simi Hills (Unc.)	Ventura					0	1420.16		0	1420.16
City of Marysville	Yuba					0	6.79		0	6.79
Total From Within State		5.38	77346.71	0	0	0	27433.02	16461	93807.71	121246.11

Kirkland, WA	Out of State					0	5.2		0	5.2
Parker, AZ	Out of State					0	7		0	7
Total From Outside State		0	0	0	0	0	12.2	0	0	12.2

Total DC		0								
Total Class II		27450.6								
Total Landfilled		5.38	77346.71	0	0		27445.22	16461		121258.31

Note: (Unc.) reference indicates "Unincorporated Area"; (L.A.) reference indicates a community name within the City of Los Angeles.

KINGS COUNTY

QUARTERLY SOLID WASTE REPORT FOR WASTE DISPOSED WITHIN KINGS COUNTY

2003

Quarter:

3rd QUARTER (Jul-Sep)

Contact:

Greg Gatzka (ggatzka@co.kings.ca.us)

Phone:

(559) 582-3211 ext. 2662

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility ** 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total				
City of Alameda	Alameda					0	4.35		0	4.35
City of Hayward	Alameda					0	12.08		0	12.08
City of Livermore	Alameda					0			0	0
City of Oakland	Alameda					0	0.4		0	0.4
City of Concord	Contra Costa					0	3.45		0	3.45
City of Pittsburg	Contra Costa					0	15.18		0	15.18
City of Richmond	Contra Costa					0	5.4		0	5.4
City of Clovis	Fresno					0		291	291	291
City of Coalinga	Fresno		5.66			0	2.39	20	25.66	28.05
City of Fowler	Fresno					0	103116.26		0	103116.26
City of Fresno	Fresno		24294.05			0		2774	27068.05	27068.05
City of Huron	Fresno					0		843	843	843
City of Kingsburg	Fresno		58.26			0		6	64.26	64.26
City of Mendota	Fresno					0		13	13	13
City of Orange Cove	Fresno		1260.1			0			1260.1	1260.1
City of Parlier	Fresno					0		15	15	15
City of Reedley	Fresno					0	2	25	25	27
City of San Joaquin	Fresno					0		2	2	2
City of Sanger	Fresno					0		63	63	63
Fresno County	Fresno		1316.66			0		6799	8115.66	8115.66
Auberry (Unc.)	Fresno					0	594.95		0	594.95
Biola (Unc.)	Fresno					0		1	1	1
Miramonte (Unc.)	Fresno					0		1	1	1
City of Calipatria	Imperial					0	2.41		0	2.41
City of Bakersfield						0	62582.12		0	62582.12
City of Delano	Kern					0		249	249	249
City of Shafter	Kern					0	0.4		0	0.4
Buttonwillow (Unc.)	Kern					0	4.06		0	4.06
Mojave (Unc.)	Kern					0	27.51		0	27.51
Tupman (Unc.)	Kern					0	340.21		0	340.21
City of Avenal	Kings		184.93			0	33.41	2227	2411.93	2445.34
City of Corcoran	Kings		3106.89			0			3106.89	3106.89
City of Hanford	Kings		11029.66			0	20.4		11029.66	11050.06
City of Lemoore	Kings		4325.11			0	18.18		4325.11	4343.29
Kings County	Kings		1898.53			0		795	2693.53	2693.53
Armona (Unc.)	Kings		72.71			0		317	389.71	389.71
Home Garden (Unc.)	Kings		22.77			0			22.77	22.77
Kettleman City (Unc.)	Kings		584.28			0			584.28	584.28
Naval Station (Unc.)	Kings		913.58			0			913.58	913.58
Stratford (Unc.)	Kings		145.13			0			145.13	145.13
City of Carson	Los Angeles					0	3.66		0	3.66
City of Commerce	Los Angeles					0	25.48		0	25.48
City of Compton	Los Angeles					0	18.87		0	18.87
City of Downey	Los Angeles					0	0.8		0	0.8
City of El Segundo	Los Angeles					0	367.89		0	367.89
City of Gardena	Los Angeles					0	2.5		0	2.5
City of Hawthorne	Los Angeles					0	0.4		0	0.4

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility ** 16-AA-0023	Avenal Landfill 16-AA-0004	Total	Total
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III	Class III	Disposed
City of Industry	Los Angeles					0	18.83		0	18.83
City of Long Beach	Los Angeles					0	1.6		0	1.6
City of Los Angeles	Los Angeles					0	12.28		0	12.28
Canoga Park (L.A.)	Los Angeles					0	123.73		0	123.73
Lakeview Terrace (L.A.)	Los Angeles					0	6.4		0	6.4
Pacoima (L.A.)	Los Angeles					0	29.73		0	29.73
Van Nuys (L.A.)	Los Angeles					0	6		0	6
City of Montebello	Los Angeles					0	3.48		0	3.48
City of Raimdale	Los Angeles					0	15.46		0	15.46
City of Paramount	Los Angeles					0	2.4		0	2.4
City of Pomona	Los Angeles					0	260.88		0	260.88
City of Rosemead	Los Angeles					0	91.54		0	91.54
City of Santa Fe Springs	Los Angeles					0	6.8		0	6.8
City of Signal Hill	Los Angeles					0	2.47		0	2.47
City of Santa Clarita	Los Angeles					0	11.01		0	11.01
City of Walnut	Los Angeles					0	1.6		0	1.6
City of Torrance	Los Angeles					0	46.85		0	46.85
Castaic (Unc.)	Los Angeles					0	1.3		0	1.3
Rancho Dominguez (Unc.)	Los Angeles					0	1.6		0	1.6
Ahwahnee (Unc.)	Madera					0	4.8		0	4.8
Oakhurst (Unc.)	Madera					0	6.4		0	6.4
Mariposa (Unc.)	Mariposa					0	0.15		0	0.15
City of Willits	Mendocino					0	0.8		0	0.8
City of Merced	Merced					0	12.34	166	166	178.34
City of King City	Monterey					0	5.3		0	5.3
City of Salinas	Monterey					0	4.92		0	4.92
San Ardo (Unc.)	Monterey					0	1.76		0	1.76
City of Anaheim	Orange					0	2.4		0	2.4
City of Brea	Orange					0	346.53		0	346.53
City of Buena Park	Orange					0	5.6		0	5.6
City of Fullerton	Orange					0	89.5		0	89.5
City of Irvine	Orange					0	7.46		0	7.46
City of Orange	Orange					0	1.5		0	1.5
City of Santa Ana	Orange					0	3.6		0	3.6
City of Loomis	Placer					0	1		0	1
City of Corona	Riverside					0	2.4		0	2.4
City of Moreno Valley	Riverside					0	1.7		0	1.7
City of Barstow	San Bernardino					0	19.6		0	19.6
City of Rancho Cucamonga	San Bernardino					0	2.3		0	2.3
City of Victorville	San Bernardino					0	81.76		0	81.76
City of San Diego	San Diego					0	71.54		0	71.54
Camp Pendleton (Unc.)	San Diego					0	3.6		0	3.6
City/County San Francisco	San Francisco					0	2.8		0	2.8
City of Stockton	San Joaquin					0	40		0	40
City of San Luis Obispo	San Luis Obispo					0	7.78		0	7.78
Avila Beach (Unc.)	San Luis Obispo					0	16.13		0	16.13
Santa Margarita (Unc.)	San Luis Obispo					0	0.8		0	0.8
Templeton (Unc.)	San Luis Obispo					0	0.5		0	0.5
Daly City	San Mateo					0	3.6		0	3.6

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility ** 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total				
City of East Palo Alto	San Mateo					0	20		0	20
City of Menlo Park	San Mateo					0	11.6		0	11.6
City of Goleta	Santa Barbara					0	5.37		0	5.37
City of Santa Barbara	Santa Barbara					0	181.84		0	181.84
City of Santa Maria	Santa Barbara		1192.48			0	12361.69		1192.48	13554.17
Casmalia (Unc.)	Santa Barbara					0	8904.68		0	8904.68
Orcutt (Unc.)	Santa Barbara					0	33.37		0	33.37
City of Cupertino	Santa Clara					0	3.68		0	3.68
City of Morgan Hill	Santa Clara					0	5.85		0	5.85
City of Palo Alto	Santa Clara					0	17.2		0	17.2
City of San Jose	Santa Clara					0	100.66		0	100.66
City of Santa Clara	Santa Clara					0	1.6		0	1.6
City of Santa Cruz	Santa Cruz					0	0.95		0	0.95
City of Watsonville	Santa Cruz					0	2		0	2
City of Vacaville	Solano					0	0.5		0	0.5
City of Healdsburg	Sonoma					0	0.8		0	0.8
City of Santa Rosa	Sonoma					0	3.2		0	3.2
City of Newman	Stanislaus					0	5.85		0	5.85
City of Dinuba	Tulare		2341.62			0	5.65		2341.62	2347.27
City of Exeter	Tulare		822.81			0	82.03	675	1497.81	1579.84
City of Farmersville	Tulare		914.14			0		215	1129.14	1129.14
City of Lindsay	Tulare		1427.91			0			1427.91	1427.91
City of Porterville	Tulare		245.97			0			245.97	245.97
City of Tulare	Tulare		3298.23			0			3298.23	3298.23
City of Visalia	Tulare		26			0	25.55	679	705	730.55
City of Woodlake	Tulare					0		38	38	38
Tulare County	Tulare		16450.06			0			16450.06	16450.06
City of Thousand Oaks	Ventura					0	1472.38		0	1472.38
Point Mugu (Unc.)	Ventura					0	531.01		0	531.01
Simi Hills (Unc.)	Ventura					0	2317.06		0	2317.06

Total From Within State 0 75937.54 0 0 0 0 194691.81 16214 92151.54 286843.35

Out of State						0			0	0
Out of State						0			0	0

Total From Outside State 0 0 0 0 0 0 0 0 0 0 0

Total DC 0

Total Class II 194691.81

Total Landfilled 0 75937.54 0 0 0 0 194691.81 16214 286843.35

Note: (Unc.) reference indicates "Unincorporated Area"; (L.A.) reference indicates a community name within the City of Los Angeles.

** Waste landfilled in Kettleman Hills Facility is NHNPISW and is subject to the \$1.34 per ton CIWMB tax. This waste is general waste contaminated within a soil matrix.

KINGS COUNTY

QUARTERLY SOLID WASTE REPORT FOR WASTE DISPOSED WITHIN KINGS COUNTY

Y 2003
 Quarter: 2nd QUARTER (Apr - Jun)

Contact: Greg Gatzka
 Phone: (559) 582-3211 ext. 2682

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III		
City of Alameda	Alameda					0	8		0	8
City of Hayward	Alameda					0	27.86		0	27.86
City of Oakland	Alameda					0	67.69		0	67.69
City of Jackson	Amador					0	0.4		0	0.4
City of Oroville	Butte					0	2.9		0	2.9
City of Oakley	Contra Costa					0	4.8		0	4.8
City of Pittsburg	Contra Costa					0	11.84		0	11.84
City of Richmond	Contra Costa					0	0.8		0	0.8
City of Coalinga	Fresno	4.28	70.39			0		16.03	86.42	80.7
City of Firebaugh	Fresno					0		1.01	1.01	1.01
City of Fresno	Fresno		22402.37			0	766.18	3099.82	25502.19	26268.37
City of Huron	Fresno					0	1	990.9	990.9	991.9
City of Kerman	Fresno					0	701.23		0	701.23
City of Kingsburg	Fresno					0		1379.51	1379.51	1379.51
City of Orange Cove	Fresno		1227			0			1227	1227
City of Parlier	Fresno					0		8.64	8.64	8.64
City of Reedley	Fresno					0	2.4	35.49	35.49	37.89
City of Sanger	Fresno					0		94.35	94.35	94.35
Fresno County	Fresno		1335.81			0		3860.19	5196	5196
Grover (Unc.)	Fresno					0	4		0	4
Isola (Unc.)	Fresno					0		1.44	1.44	1.44
Laramonte (Unc.)	Fresno					0		5.85	5.85	5.85
Maver Lake (Unc.)	Fresno					0	5.2		0	5.2
City of Willows	Glen					0	3.2		0	3.2
City of Eureka	Humboldt					0	0.5		0	0.5
City of Bakersfield	Kern					0	37142.76		0	37142.76
City of Delano	Kern					0		361.5	361.5	361.5
City of Tehachapi	Kern					0	158.79		0	158.79
Arvin (Unc.)	Kern					0	1.2		0	1.2
Arvinwillow (Unc.)	Kern					0	2.73		0	2.73
Arvin (Unc.)	Kern					0	20.18		0	20.18
City of Avenal	Kings		429.13			0	74.17	1995.16	2424.29	2498.46
City of Corcoran	Kings		3257.74			0			3257.74	3257.74
City of Hanford	Kings		10920.85			0			10920.85	10920.85
City of Lemoore	Kings		6090.37			0	18.75		6090.37	6109.12
Kings County	Kings		1966.46			0		755.12	2721.58	2721.58
Arvin (Unc.)	Kings		342.73			0			342.73	342.73
Arvin Garden (Unc.)	Kings		60.6			0			60.6	60.6
Arvin City (Unc.)	Kings		505.16			0	1.6		505.16	506.76
Arvin Air Station (Unc.)	Kings		790.4			0			790.4	790.4
Arvin (Unc.)	Kings		54.19			0			54.19	54.19
City of Lakeport	Lake					0	0.8		0	0.8
City of Azusa	Los Angeles					0	2.4		0	2.4
City of Commerce	Los Angeles					0	51.84		0	51.84

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total	Total
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III	Class III	Disposed
City of Downey	Los Angeles					0	13.33		0	13.33
City of El Segundo	Los Angeles					0	642.91		0	642.91
City of Hawthorne	Los Angeles					0	3.6		0	3.6
City of Industry	Los Angeles					0	23.94		0	23.94
City of Los Angeles	Los Angeles					0	2956.44		0	2956.44
Canoga Park (L.A.)	Los Angeles					0	11		0	11
San Pedro (L.A.)	Los Angeles					0	0.4		0	0.4
Wilmington (L.A.)	Los Angeles					0	66.35		0	66.35
Pacoima (L.A.)	Los Angeles					0	4.4		0	4.4
City of Montebello	Los Angeles					0	3.15		0	3.15
City of Monterey Park	Los Angeles					0	60.29		0	60.29
City of Palmdale	Los Angeles					0	10.88		0	10.88
City of Paramount	Los Angeles					0	11.6		0	11.6
City of Pomona	Los Angeles					0	3		0	3
City of San Dimas	Los Angeles					0	143.11		0	143.11
City of San Fernando	Los Angeles					0	1.6		0	1.6
City of Santa Fe Springs	Los Angeles					0	12		0	12
City of Torrance	Los Angeles					0	35.36		0	35.36
City of Vernon	Los Angeles					0	18.09		0	18.09
Littlerock (Unc.)	Los Angeles					0	0.4		0	0.4
Northridge (Unc.)	Los Angeles					0	7.76		0	7.76
Rancho Dominguez(Unc.)	Los Angeles					0	2.2		0	2.2
City of San Rafael	Marin					0	1.5		0	1.5
Santa Nella (Unc.)	Merced					0	6.5		0	6.5
City of King City	Monterey					0	2.4		0	2.4
City of Grass Valley	Nevada					0	0.4		0	0.4
City of Buena Park	Orange					0	5.2		0	5.2
City of Costa Mesa	Orange					0	9.2		0	9.2
City of Fullerton	Orange					0	5.25		0	5.25
City of Laguna Hills	Orange					0	93.62		0	93.62
City of Lake Forrest	Orange					0	18.4		0	18.4
City of Corona	Riverside					0	26.46		0	26.46
City of Chino	San Bernardino					0	23.2		0	23.2
City of Montclair	San Bernardino					0	0.4		0	0.4
City of Rancho Cucamonga	San Bernardino					0	6.37		0	6.37
City of Redlands	San Bernardino					0	2		0	2
City of Victorville	San Bernardino					0	89.01		0	89.01
City of Carlsbad	San Diego					0	0.35		0	0.35
City of San Diego	San Diego					0	771.43		0	771.43
La Jolla (City of San Diego)	San Diego					0	0.4		0	0.4
Camp Pendleton (Unc.)	San Diego					0	37.55		0	37.55
City/County San Francisco	San Francisco					0	14		0	14
City of Lodi	San Joaquin		200			0		94.59	294.59	294.59
City of Stockton	San Joaquin					0	11.5		0	11.5
Santa (Unc.)	San Joaquin					0	1.6		0	1.6
City of San Luis Obispo	San Luis Obispo					0	7.73		0	7.73
Avila Beach (Unc.)	San Luis Obispo					0	25.29		0	25.29
Salby City	San Mateo					0	1.6		0	1.6
City of East Palo Alto	San Mateo					0	8.4		0	8.4

Municipality	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total				
City of Menlo Park	San Mateo					0	22.9		0	22.9
City of San Carlos	San Mateo					0	0.4		0	0.4
City of Goleta	Santa Barbara					0	926.55		0	926.55
City of Santa Barbara	Santa Barbara					0	0.8		0	0.8
City of Santa Maria	Santa Barbara		711.66			0	42028.89		711.66	42740.55
Orcutt (Unc.)	Santa Barbara					0	84.05		0	84.05
City of Cupertino	Santa Clara					0	0.4		0	0.4
City of Morgan Hill	Santa Clara					0	64.78		0	64.78
City of Palo Alto	Santa Clara					0	22.4		0	22.4
City of San Jose	Santa Clara					0	220.22		0	220.22
City of Santa Clara	Santa Clara					0	5.6		0	5.6
City of Sunnyvale	Santa Clara					0	5.35		0	5.35
City of Redding	Shasta					0	5.6		0	5.6
City of Benicia	Solano					0	3.2		0	3.2
City of Healdsburg	Sonoma					0	0.4		0	0.4
City of Newman	Stanislaus					0	2.29		0	2.29
City of Dinuba	Tulare		2344.36			0	4.42		2344.36	2348.78
City of Exeter	Tulare		699.3			0	189.27	774	1473.3	1662.57
City of Farmersville	Tulare		958			0		121.7	1079.7	1079.7
City of Lindsay	Tulare		1537.25			0			1537.25	1537.25
City of Porterville	Tulare		286.77			0			286.77	286.77
City of Tulare	Tulare		3181.64			0			3181.64	3181.64
City of Visalia	Tulare		0.2			0	13.77	941.79	941.99	955.76
City of Woodlake	Tulare					0		47.35	47.35	47.35
Tulare County	Tulare		16770.86			0			16770.86	16770.86
Simi Hills (Unc.)	Ventura					0	1189.96		0	1189.96
City of Davis	Yolo					0	0.5		0	0.5
City of Woodland	Yolo					0	20		0	20
Dunnigan (Unc.)	Yolo					0	0.4		0	0.4
Total From Within State		4.28	76143.24	0	0	0	89096.34	14584.44	90727.68	179828.3

Parker, AZ	Out of State					0	6.97		0	6.97
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Total From Outside State		0	0	0	0	0	6.97	0	0	6.97
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Total DC		0								
Total Class II		89107.59								
Total Landfilled		4.28	76143.24	0	0		89103.31	14584.44		179835.27

Note: (Unc.) reference indicates "Unincorporated Area"; (L.A.) reference indicates a community name within the City of Los Angeles.

KINGS COUNTY

QUARTERLY SOLID WASTE REPORT FOR WASTE DISPOSED WITHIN KINGS COUNTY

Quarter: 2003 1st QUARTER (Jan - Mar)

Contact: Greg Gatzka
Phone: (559) 582-3211 ext. 2682

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III		
City of Berkeley	Alameda					0	5.2		0	5.2
City of Emeryville	Alameda					0	1.2		0	1.2
City of Hayward	Alameda					0	56.8		0	56.8
City of Oakland	Alameda		866			0	15.8		866	881.8
City of Pleasanton	Alameda					0	1.61		0	1.61
City of Oakley	Contra Costa					0	4		0	4
City of Pittsburg	Contra Costa					0	1.2		0	1.2
City of Clovis	Fresno					0	13.05		0	13.05
City of Coalinga	Fresno		25.42			0	4.77	28	53.42	58.19
City of Firebaugh	Fresno					0		1	1	1
City of Fresno	Fresno		19241.97			0	83.66	3190	22431.97	22515.63
City of Huron	Fresno					0		752	752	752
City of Kingsburg	Fresno					0		1002	1002	1002
City of Orange Cove	Fresno		1282			0			1282	1282
City of Reedley	Fresno					0		40	40	40
City of Sanger	Fresno					0		92	92	92
City of Selma	Fresno					0		7	7	7
County	Fresno		1249.2			0		3589	4838.2	4838.2
Biola (Unc.)	Fresno					0		2	2	2
Miramonte (Unc.)	Fresno					0		2	2	2
City of Willows	Glen					0	0.4		0	0.4
City of Bishop	Inyo					0	4.8		0	4.8
Lone Pine (Unc.)	Inyo					0	0.5		0	0.5
City of Bakersfield	Kern					0	2017.35		0	2017.35
City of Delano	Kern					0		339	339	339
Mojave (Unc.)	Kern					0	20.89		0	20.89
City of Avenal	Kings		382.96			0		2918	3300.96	3300.96
City of Corcoran	Kings		3198.8			0			3198.8	3198.8
City of Hanford	Kings		9977.55			0	0.33		9977.55	9977.88
City of Lemoore	Kings		5806.32			0	31.13		5806.32	5837.45
Kings County	Kings		1918.98			0		640	2558.98	2558.98
Armona (Unc.)	Kings		233.5			0			233.5	233.5
Kettleman City (Unc.)	Kings		460.53			0			460.53	460.53
Lemoore NAS (Unc.)	Kings		754.9			0			754.9	754.9
Stratford (Unc.)	Kings		85.4			0			85.4	85.4
City of Azusa	Los Angeles					0	2.1		0	2.1
City of Burbank	Los Angeles					0	28.55		0	28.55
City of Commerce	Los Angeles					0	45.82		0	45.82
City of Downey	Los Angeles					0	22.94		0	22.94
City of El Segundo	Los Angeles					0	222.36		0	222.36
City of La Puente	Los Angeles					0	65.5		0	65.5
City of Long Beach	Los Angeles					0	27.44		0	27.44
City of Los Angeles	Los Angeles					0	56.56		0	56.56
La Brea (L.A.)	Los Angeles					0	18.68		0	18.68

Jurisdiction	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III		
Van Nuys (L.A.)	Los Angeles					0	11.7		0	11.7
City of Montebello	Los Angeles					0	0.5		0	0.5
City of Pasadena	Los Angeles					0	2.9		0	2.9
City of Paramount	Los Angeles					0	11.6		0	11.6
City of Santa Fe Springs	Los Angeles					0	164.99		0	164.99
City of Torrance	Los Angeles					0	25587.8		0	25587.8
City of West Hollywood	Los Angeles					0	866.06		0	866.06
Playa Del Rey (Unc.)	Los Angeles					0	6.34		0	6.34
City of Merced	Merced					0	13.53		0	13.53
City of Salinas	Monterey					0	0.4		0	0.4
Moss Landing (Unc.)	Monterey					0	0.4		0	0.4
City of Napa	Napa					0	0.4		0	0.4
City of Anaheim	Orange					0	3		0	3
City of Fullerton	Orange					0	1.4		0	1.4
City of Orange	Orange					0	1.5		0	1.5
City of Santa Ana	Orange					0	314.71		0	314.71
City of Canyon Lake	Riverside					0	2.4		0	2.4
City of Corona	Riverside					0	7.83		0	7.83
City of Sacramento	Sacramento					0	1.6		0	1.6
City of Loma Linda	San Bernardino					0	285.71		0	285.71
City of Rancho Cucamonga	San Bernardino					0	7.02		0	7.02
City of Redlands	San Bernardino					0	7.6		0	7.6
City of San Bernardino	San Bernardino					0	6.12		0	6.12
City of San Diego	San Diego					0	15.3		0	15.3
Camp Pendleton (Unc.)	San Diego					0	1.61		0	1.61
City/County San Francisco	San Francisco					0	23.2		0	23.2
City of Lodi	San Joaquin		140			0			140	140
City of Arroyo Grande	San Luis Obispo					0	14		0	14
City of San Luis Obispo	San Luis Obispo					0	2.63		0	2.63
Avila Beach (Unc.)	San Luis Obispo					0	5.31		0	5.31
Camp Roberts (Unc.)	San Luis Obispo					0	285.3		0	285.3
San Miguel (Unc.)	San Luis Obispo					0	662.23		0	662.23
Daly City	San Mateo					0	0.4		0	0.4
City of East Palo Alto	San Mateo					0	0.8		0	0.8
City of Menlo Park	San Mateo					0	18		0	18
Redwood City	San Mateo					0	0.4		0	0.4
City of Goleta	Santa Barbara					0	72.11		0	72.11
City of Guadalupe	Santa Barbara					0	4.14		0	4.14
City of Santa Barbara	Santa Barbara					0	6.26		0	6.26
City of Santa Maria	Santa Barbara		314.83			0	1018.03		314.83	1332.86
Santa Ynez (Unc.)	Santa Barbara					0	0.8		0	0.8
Vandenberg AFB (Unc.)	Santa Barbara					0	30.22		0	30.22
City of Cupertino	Santa Clara					0	0.4		0	0.4
City of Morgan Hill	Santa Clara					0	25.01		0	25.01
City of Palo Alto	Santa Clara					0	25.6		0	25.6
City of San Jose	Santa Clara					0	15473.76		0	15473.76
City of Sunnyvale	Santa Clara					0	2.4		0	2.4

Location	County	Chem Waste Landfill (16-AA-0021)					Kettleman Hills Facility 16-AA-0023	Avenal Landfill 16-AA-0004	Total Class III	Total Disposed
		Class II	Class III	ADC	DC (soil)	ADC & DC Total	Class II	Class III		
City of Santa Cruz	Santa Cruz					0	1.6		0	1.6
Burney (Unc.)	Shasta					0	0.4		0	0.4
City of Healdsburg	Sonoma					0	1.2		0	1.2
City of Red Bluff	Tehama					0	11.5		0	11.5
City of Dinuba	Tulare		2165.27			0	14.11		2165.27	2179.38
City of Exeter	Tulare		722			0		768	1490	1490
City of Farmersville	Tulare		801			0		235	1036	1036
City of Lindsay	Tulare		1466.15			0			1466.15	1466.15
City of Porterville	Tulare		291.89			0			291.89	291.89
City of Tulare	Tulare		3039.13			0			3039.13	3039.13
City of Visalia	Tulare		0.16			0		1035	1035.16	1035.16
City of Woodlake	Tulare					0		367	367	367
Tulare County	Tulare		16361.38			0		8	16369.38	16369.38
City of Ventura	Ventura					0	4.19		0	4.19
Newbury (Unc.)	Ventura					0	4.4		0	4.4
City of Davis	Yolo					0	6		0	6
Grinnigan (Unc.)	Yolo					0	0.8		0	0.8
Total From Within State		0	70785.34	0	0	0	47790.26	15015	85800.34	133590.60
Clarkland, WA	Out of State					0	3.08		0	3.08
Total From Outside State		0	0	0	0	0	3.08	0	0	3.08
Total DC						0				
Total Class II			47793.34							
Total Landfilled		0	70785.34	0	0		47793.34	15015		133593.68

Note: (Unc.) reference indicates "Unincorporated Area"; (L.A.) reference indicates a community name within the City of Los Angeles.

Indian Country Waste

Case #3 Tonnage Summary

Stewarts Point Rancheria refuse disposal	74.88
River Rock Casino refuse disposal	544.32
River Rock Casino construction site refuse disposal	49.92
River Rock Casino construction & demolition debris	<u>484.05</u>
Total Tons	1153.17

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North Bay Corporation

PO Box 1916
Santa Rosa, CA 95402-1916
p 707-586-5533
f 707-586-5543

August 5, 2004

Ms. Donna Caldwell
Sonoma County Waste Management Agency
2300 County Center Drive, Suite B100
Santa Rosa, CA 95403

Re: Solid Waste Generation -- Dry Creek Rancheria/River Rock Casino
and Stewarts Point Rancheria

I have reviewed our account data regarding solid waste services we provided to Dry Creek Rancheria/River Rock Casino and Stewarts Point Rancheria in 2003. I have also reviewed data from services we have provided to the construction company working at the River Rock Casino.

Attached are a series of tables outlining this information. All solid waste collected was delivered to Sonoma County solid waste disposal facilities. The tables attached include:

Stewarts Point Rancheria refuse disposal	=	74.88 tons
River Rock Casino refuse disposal	=	544.32 tons
River Rock Casino construction site refuse disposal	=	49.92 tons
River Rock Casino construction & demolition debris	=	484.05 tons
 Total Tons of Indian Country Waste Disposed in Sonoma County	 =	 1153.17 tons

Yours truly, /

Richard M. Johnson
Community & Governmental Affairs Director

Attachments



North Bay Corporation

PO Box 1916
Santa Rosa, CA 95402-1916
p 707-586-5533
f 707-586-5543

2003 Disposal Tonnage for Stewart's Point Rancheria			
Refuse service	cy/year	lbs/year	tons/year
6 yds/wk	312	149760	74.88

Conversion factor source:

"Conversion factors for Individual Material Types," December, 1991, CalRecovery, Inc.

Table 1-18: Recommended In-Truck Density Values for Key Waste Sources and Truck Types in CA

Commercial front loader = 480 lbs/cy



North Bay Corporation

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Santa Rosa, CA 95402-1916
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River Rock Casino, Dry Creek Rancheria
Jan -- Dec, 2003

Month	bin size	frequency/wk	total cy/wk	days/mo	total cy/mo
Jan	6	6	36	27	162
Feb	6	6	36	24	144
March	10	6	60	26	260
April	10	6	60	26	260
May	10	6	60	27	270
June	10	6	60	25	250
July	10	6	60	27	270
Aug	10	6	60	25	250
June	3	1	3	4	12
July	3	1	3	4	12
Aug	3	1	3	4	12
Sept	3	7	21	30	90
Oct	3	7	21	31	93
Nov	3	7	21	30	90
Dec	3	7	21	31	93
					2268 total cy/yr
					1088640 total lbs/yr
					544.32 total tons/yr

Compactor = 680 lb/cy
20 cy compactors
= 13600 lbs/compactor
X 33 pulls 448800 total lbs
224.4 total tons

Conversion factor source:

"Conversion factors for Individual Material Types," December, 1991, CalRecovery, Inc.

Table 1-18: Recommended In-Truck Density Values for Key Waste Sources and Truck Types in California
Commercial front loader = 480 lbs/cy



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p 707-586-5533
f 707-586-5543

2003 Construction Site Refuse River Rock Casino, Dry Creek Rancheria

Construction site refuse:

bin size	frequency/wk	cy/yr	lbs/yr	tons/yr
4	1	208	99840	49.92

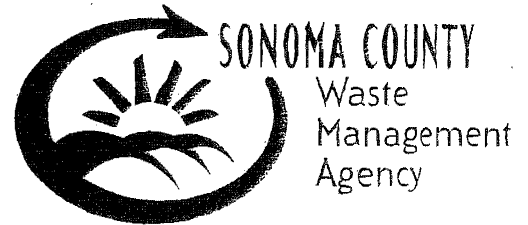
Conversion factor source:

"Conversion factors for Individual Material Types," December, 1991, CalRecovery, Inc.

Table 1-18: Recommended In-Truck Density Values for Key Waste Sources and Truck Types in California

Commercial front loader = 480 lbs/cy

September 14, 2004



Dry Creek Rancheria/River Rock Casino
P.O. Box 908
Healdsburg, CA 95448

Re: Solid Waste Generated and Disposed in Sonoma County Solid Waste Facilities

Dear Dry Creek Rancheria/River Rock Casino:

As the regional agency responsible for reporting solid waste issues to the California Integrated Waste Management Board, the Sonoma County Waste Management Agency ("Agency") is required by State law and regulations to notify you that there has been a misallocation of solid waste generated by your residents and the River Rock Casino. According to Title 14, California Code of Regulations, Section 18801(a)(8) solid waste generated from your residents and facilities should not be allocated to any jurisdiction and should be reported as being imported from outside the State of California. Reporting your solid waste as "out-of-state" waste ensures a jurisdiction's ability to achieve and maintain its diversion rates and it's ability to meet the solid waste mandates set forth in the California Integrated Waste Management Act. I have enclosed some background information on the State of California Disposal Reporting System for your information.

The Agency worked with your contracted trash hauler to determine the amount of solid waste generated by residents, the River Rock Casino operations, and the new construction currently in progress at the River Rock Casino. The enclosed letter from North Bay Corporation shows that a total of 594.24 tons of solid waste and 484.05 tons of construction and demolition debris were disposed by your residents and facilities during 2003. This solid waste was delivered by North Bay Corporation directly to the Healdsburg Transfer Station for transfer and landfilling at the Central Disposal Site.

It is the Agency's intent to include the 1078.29 tons in its 2003 "Reporting Year Disposal Tonnage Modification Request and Certification" to the California Integrated Waste Management Board to request that this tonnage be deducted from the total disposal tonnage for the Agency which represents the nine incorporated cities and the unincorporated areas in Sonoma County.

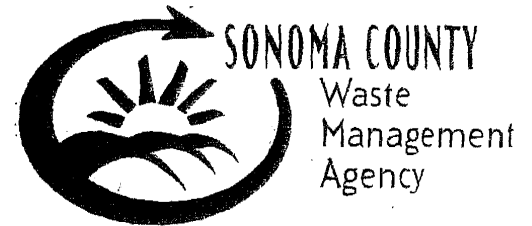
If you have any questions about the process that the Agency is undertaking, please contact me at 707/565-3587. If you have any questions about Indian County waste and the disposal reporting system, please contact Sherrie Sala-Moore at (916) 341-6204.

Sincerely,
KEN WELLS, DIRECTOR
SONOMA COUNTY WASTE MANAGEMENT AGENCY

Donna L. Caldwell, Integrated Waste Specialist

c: Richard Johnson, North Bay Corporation, without enclosures

September 14, 2004



Stewarts Point Rancheria
3535 Industrial Drive, Suite B-2
Santa Rosa, CA 95403

Re: Solid Waste Generated and Disposed in Sonoma County Solid Waste Facilities

Dear Stewarts Point:

As the regional agency responsible for reporting solid waste issues to the California Integrated Waste Management Board, the Sonoma County Waste Management Agency ("Agency") is required by State law and regulations to notify you that there has been a misallocation of solid waste generated by your residents and the River Rock Casino. According to Title 14, California Code of Regulations, Section 18801(a)(8) solid waste generated from your residents and facilities should not be allocated to any jurisdiction and should be reported as being imported from outside the State of California. Reporting your solid waste as "out-of-state" waste ensures a jurisdiction's ability to achieve and maintain its diversion rates and it's ability to meet the solid waste mandates set forth in the California Integrated Waste Management Act. I have enclosed some background information on the State of California Disposal Reporting System for your information.

The Agency worked with your contracted trash hauler to determine the amount of solid waste generated by your residents. The enclosed letter from North Bay Corporation shows that a total of 74.88 tons of solid waste were disposed by your residents during 2003. This solid waste was delivered by North Bay Corporation directly to the Annapolis Transfer Station for transfer and landfilling at the Central Disposal Site.

It is the Agency's intent to include the 74.88 tons in its 2003 "Reporting Year Disposal Tonnage Modification Request and Certification" to the California Integrated Waste Management Board to request that this tonnage be deducted from the total disposal tonnage for the Agency which represents the nine incorporated cities and the unincorporated areas in Sonoma County.

If you have any questions about the process that the Agency is undertaking, please contact me at 707/565-3587. If you have any questions about Indian County waste and the disposal reporting system, please contact Sherrie Sala-Moore at (916) 341-6204.

Sincerely,
KEN WELLS, DIRECTOR
SONOMA COUNTY WASTE MANAGEMENT AGENCY

Donna L. Caldwell, Integrated Waste Specialist

c: Richard Johnson, North Bay Corporation, without enclosures

enclosures

County of Sonoma
Refuse Bulletin No. 100
(revised August 2002)

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COUNTY OF SONOMA
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
Integrated Waste Division Operations
500 Mecham Road, Petaluma, CA 94952
Telephone (707) 792-0547 Fax (707) 792-0416

Don R. Poindexter, CE, GE
Division Manager
Engineering and Operations

REFUSE BULLETIN NO. 100
(Revised August 2002)

LANDFILL PROCEDURE
FOR
HANDLING AND DISPOSING OF CONTAMINATED SOIL

The Sonoma County Central Disposal Site, located at 500 Mecham Road, is permitted as a Class III landfill and will not accept waste which is defined as hazardous by RCRA and/or CCR Title 22. However, the County will accept non-hazardous petroleum contaminated soil that has been properly sampled, analyzed and found to be acceptable for disposal in a Class III landfill.

Acceptance is based on the County's determination that all necessary documentation of testing results, origin, location of sampling and other required information has been submitted, reviewed and approved.

The County of Sonoma reserves the right to reject any and all soil from disposal at County facilities without cause.

Required Information:

1. Amount of soil to be disposed measured in cubic yards.
2. Plot plans with location of where samples were taken, location and disposition of soil, e.g.; in situ, stockpiles, containers, others.
3. Site address, APN and owners name and address.
4. All laboratory results by a commercial laboratory certified by the State of California.
5. Chain of Custody Documents
6. All data submitted must be less than one (1) year old and on certifying laboratory's letterhead.
7. The source and matrix of the waste sample must be identified on report.
8. The analytical results must identify units of measure.

Sample collection and analyses:

Sample collection and analyses must be performed in accordance with designated EPA procedures and methods. Laboratory sampling must be a representative sample; a representative sample is defined as a sample which can be expected to exhibit the average properties of the contaminated materials being tested.

It is the sole responsibility of the owner/generator to characterize the material as non-hazardous pursuant to Federal, State and Local regulations. Sonoma County requires waste characterization for landfill acceptability and will not assume responsibility for such characterization.

Required Predisposal Testing Analyses:

- RCI (Reactivity, Corrosivity, Ignitability)
- TPH (Total Petroleum Hydrocarbon)
- 8240-TCLP (BTEX)*
- 8270-TCLP (Phenol)
- 8080-TCLP(PCB'S)
- 8260-(MTBE)
- Listed Metals

RCI analyses is used to determine whether a waste exhibits any hazardous characteristics as defined by 40 CFR parts 261.21, 261.22 and 261.23 and Title 22 CCR, article 11.

BTEX (Benzene, Toluene, Ethylbenzene and Xylene) analyses are required when characterizing petroleum contaminated soils.

*Soils contaminated with waste oils or other unknown hydrocarbons should be analyzed for Volatile Organic Compounds (VOC) Method 8240, 8270, 8080, 8260 and (STLC, TTLC) Listed Metals.

**Frequency of sampling may vary based on site specific information at the County's discretion.

Acceptance Criteria:

One (1) composite of four samples analyzed for RCI (Reactivity, Corrosivity, Ignitability) to represent the total cubic yards of material to be disposed.

Analyses	Central Landfill Acceptance Limit	Reporting Limit
Reactivity:		
Sulfide	<100 mg/kg	50 mg/kg
Cyanide	<10 mg/kg	1 mg/kg
Corrosivity:		
pH range	5 to 10	
Ignitability:		
Flashpoint	>140 deg. F or 60 deg. C	100 deg. F or 50 deg. C

One (1) composite of four samples every 100 cubic yards maximum analyzed for TPH as gasoline, TPH as diesel, TPH as motor oil, BTEX (Benzene, Toluene, Ethylbenzene, Xylene), Organic Lead, MTBE, Phenol and Polychlorinated biphenyls (PCBs).

Substance	Central Landfill Acceptance Limit	Reporting Limit
TPH as gasoline	<50 ppm (mg/kg)	2 ppm (mg/kg)
TPH as diesel	100 ppm (mg/kg)	10 ppm (mg/kg)
TPH as motor oil	100 ppm (mg/kg)	10 ppm (mg/kg)
Organic Lead	13 ppm (mg/kg)	5 ppm (mg/kg)
Phenol	5 ppm (mg/kg)	0.5 ppm (mg/kg)
Polychlorinated biphenyls (PCBs)	5 ppm (mg/kg)	0.5 ppm (mg/kg)
MTBE	ND(not detected)	0.005 ppm (mg/kg)
BTEX		
Benzene	0.01 ppm (mg/kg)	0.005 ppm (mg/kg)
Toluene	15 ppm (mg/kg)	0.010 ppm (mg/kg)
Ethylbenzene	15 ppm (mg/kg)	0.010 ppm (mg/kg)
Xylene	15 ppm (mg/kg)	0.010 ppm (mg/kg)

One (1) composite of four samples analyzed for every 500 cubic yards maximum for the Metals listed below.

Substance	Per Title 22 CCR (mg/l)	Per Title 22 CCR (mg/kg)	Reporting Limit	Method
	STLC Limit	TTLCLimit	(mg/kg)	
Antimony	15	500	5	EPA 6010
Arsenic	5	500	2	EPA 7060
Barium	100	10,000	0.5	EPA 6010
Beryllium	0.75	75	0.1	EPA 6010
Cadmium	1	100	0.5	EPA 6010
Chromium (VI)	5	500	0.1	EPA 7196
Chromium (III)	560	2,500	1	EPA 6010
Cobalt	80	8,000	1	EPA 6010
Copper	25	2,500	1	EPA 6010
Lead	5	350	4	EPA 7421
Mercury	0.2	20	0.02	EPA 7471
Molybdenum	350	3,500	2	EPA 6010
Nickel	20	2,000	3	EPA 6010
Selenium	1	100	0.5	EPA 7740
Silver	5	500	1	EPA 6010
Thallium	7	700	5	EPA 6010
Vanadium	24	2,400	2	EPA 6010
Zinc	250	5,000	2	EPA 6010

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North Bay Corporation

PO Box 1916
Santa Rosa, CA 95402-1916
p 707-586-5533
f 707-586-5543

August 5, 2004

Ms. Donna Caldwell
Sonoma County Waste Management Agency
2300 County Center Drive, Suite B100
Santa Rosa, CA 95403

Re: Solid Waste Generation -- Dry Creek Rancheria/River Rock Casino
and Stewarts Point Rancheria

I have reviewed our account data regarding solid waste services we provided to Dry Creek Rancheria/River Rock Casino and Stewarts Point Rancheria in 2003. I have also reviewed data from services we have provided to the construction company working at the River Rock Casino.

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Stewarts Point Rancheria refuse disposal	=	74.88 tons
River Rock Casino refuse disposal	=	544.32 tons
River Rock Casino construction site refuse disposal	=	49.92 tons
River Rock Casino construction & demolition debris	=	484.05 tons
 Total Tons of Indian Country Waste Disposed in Sonoma County	 =	 1153.17 tons

Yours truly,

Richard M. Johnson
Community & Governmental Affairs Director

Attachments



North Bay Corporation

PO Box 1916
Santa Rosa, CA 95402-1916
p 707-586-5533
f 707-586-5543

2003 Disposal Tonnage for Stewart's Point Rancheria

Refuse service	cy/year	lbs/year	tons/year
6 yds/wk	312	149760	74.88

Conversion factor source:

"Conversion factors for Individual Material Types," December, 1991, CalRecovery, Inc.

Table 1-18: Recommended In-Truck Density Values for Key Waste Sources and Truck Types in CA
Commercial front loader = 480 lbs/cy



North Bay Corporation

PO Box 1916
Santa Rosa, CA 95402-1916
p 707-586-5533
f 707-586-5543

River Rock Casino, Dry Creek Rancheria
Jan -- Dec, 2003

Month	bin size	frequency/wk	total cy/wk	days/mo	total cy/mo
Jan	6	6	36	27	162
Feb	6	6	36	24	144
March	10	6	60	26	260
April	10	6	60	26	260
May	10	6	60	27	270
June	10	6	60	26	250
July	10	6	60	27	270
Aug	10	6	60	26	250
June	3	1	3	4	12
July	3	1	3	4	12
Aug	3	1	3	4	12
Sept	3	7	21	30	90
Oct	3	7	21	31	93
Nov	3	7	21	30	90
Dec	3	7	21	31	93

2268 total cy/yr
1088640 total lbs/yr
544.32 total tons/yr

Compactor = 680 lb/cy
20 cy compactors
= 13600 lbs/compactor
X 33 pulls 448800 total lbs
224.4 total tons

Conversion factor source:

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Commercial front loader = 480 lbs/cy

K3

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2003 Construction Site Refuse River Rock Casino, Dry Creek Rancheria

Construction site refuse:

bin size	frequency/wk	cy/yr	lbs/yr	tons/yr
4	1	208	99840	49.92

Conversion factor source:

"Conversion factors for Individual Material Types," December, 1991, CalRecovery, Inc.

Table 1-18: Recommended In-Truck Density Values for Key Waste Sources and Truck Types in California

Commercial front loader = 480 lbs/cy



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2003 Construction Site Construction and Demolition Debris River Rock Casino, Dry Creek Rancheria

30 yd ³ Debris Boxes		
Number of boxes	Ton/Box	Total Tons
58	4	224
1	6.08	6.08
1	4.86	4.86
1	5.09	5.09
1	4.26	4.26
1	6.09	6.09
1	4.97	4.97
1	6.14	6.14
1	5.76	5.76
1	5	5
1	6.85	6.85
1	9.48	9.48
1	4.55	4.55
1	13.67	13.67
1	7.81	7.81
1	4.18	4.18
		<u>318.17</u>

30 yd ³ Debris Boxes		
Number of boxes	Ton/Box	Total Tons
1	6.54	6.54
1	5.33	5.33
1	6.15	6.15
1	5.62	5.62
1	7.24	7.24
1	6.17	6.17
1	4.6	4.6
1	5.29	5.29
1	5.17	5.17
1	5.18	5.18
1	7.17	7.17
1	4.82	4.82
1	5.35	5.35
1	5.05	5.05
1	10.35	10.35
1	4.15	4.15
		<u>94.18</u>

20 yd ³ Debris Boxes		
Number of boxes	Ton/Box	Total Tons
9	3	27
1	4.21	4.21
1	3.61	3.61
1	3.96	3.96
1	6.37	6.37
1	4.36	4.36
1	6.43	6.43
1	5.03	5.03
1	5.93	5.93
1	4.8	4.8
		<u>71.7</u>

Total 30 yd³ debris boxes = 412.35
Total 20 yd³ debris boxes = 71.7
Total tons C&D waste disposed = 484.05

Note: Tonnages obtained from customer billing based on landfill receipts.

Table 2: E-5 City/County Population and Housing Estimates, Revised 1/1/2003

COUNTY/CITY	-----POPULATION-----			----- HOUSING UNITS -----								PERSONS PER HOUSEHOLD
	TOTAL	HOUSE- HOLD	GROUP QUARTERS	TOTAL	----- SINGLE -----		----- MULTIPLE -----		MOBILE HOMES	OCCUPIED	PCT VACANT	
					DETACHED	ATTACHED	2 TO 4	5 PLUS				
SONOMA COUNTY												
CLOVERDALE	7,459	7,382	77	2,893	2,159	121	112	293	208	2,756	4.74	2.679
COTATI	6,828	6,810	18	2,757	1,598	372	341	325	121	2,700	2.07	2.522
HEALDSBURG	11,580	11,457	123	4,497	3,224	252	443	479	99	4,314	4.07	2.656
PETALUMA	55,628	54,888	740	20,934	15,172	1,652	1,305	1,874	931	20,550	1.83	2.671
ROHNERT PARK	42,281	41,180	1,101	15,995	7,660	1,698	929	4,295	1,413	15,687	1.93	2.625
SANTA ROSA	153,399	149,629	3,770	60,558	36,383	5,669	4,835	10,989	2,682	58,937	2.68	2.539
SEBASTOPOL	7,758	7,547	211	3,350	2,006	253	535	497	59	3,279	2.12	2.302
SONOMA	9,540	9,449	91	4,929	2,763	684	452	593	437	4,619	6.29	2.046
WINDSOR	24,325	24,234	91	8,356	6,513	460	209	352	822	8,205	1.81	2.954
BALANCE OF COUNTY	150,662	144,951	5,711	64,776	52,396	2,890	2,876	2,021	4,593	57,038	11.95	2.541
INCORPORATED	318,798	312,576	6,222	124,269	77,478	11,161	9,161	19,697	6,772	121,047	2.59	2.582
COUNTY TOTAL	469,460	457,527	11,933	189,045	129,874	14,051	12,037	21,718	11,365	178,085	5.80	2.569

-----Original Message-----

From: DONNA CALDWELL [mailto:REFDONNA@sonoma-county.org]

Sent: Thursday, July 29, 2004 3:37 PM

To: sharriman@r3cgi.com

Subject: Re: FW: Sonoma

Here's what I've found out on your various questions:

2. Do you have the disposal numbers broken down by residential and commercial sources? If not, is there percentage allocation that we can use?

According to the 1995/95 waste characterization study:

75% self haul
12% residential
11% commercial
2% mixed residential and commercial

The self haul is 72% residential and 28% commercial.

So, if you calculate that out you get 66% residential, 32% commercial, and 2% mixed residential and commercial.

Donna