Board Meeting
December 11-12, 2001

Agenda Item
Attachment 1

CITY OF
VICTORVILLE

STAFF COPY
760-955-5000
FAX 760-245-7243
vville @ ci. victorville. ca.us
14343 Civic Drive
P.O. Box 5001
Victorville, California 92393-5001

February 23, 2000

Mr. Keir Furey, Office of Local Assistance
CIWMB
8800 Cal Center Drive
Sacramento, CA 95826

Dear Mr. Furey:

Please find enclosed a Base Year Modification Request Certification for the City of Victorville.

Please call me at (760) 955-5086 if you have any questions. Thank you for your assistance with this matter.

Sincerely,

Dana L. Armstrong

Dana L. Armstrong
Solid Waste Manager

enclosure

da: AR ltr to CIWMB re base year rev 2-2000

RECEIVED
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By

A-7.2

STATE OF CALIFORNIA CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

CIWMB 628 (NEW 7/99)

To request a correction to or substitution for a previously approved base-year amount 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) 255-2555 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance, MS 8
8800 Cal Center Drive
Sacramento CA 95826

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board, and complete the appropriate sections. **All respondents must complete Section I** and either Section II A or II B, as noted.

☒ **1.** Correct our existing Board-approved base-year generation (disposal or diversion) tonnage. (Please complete Section I and Section II A.)

☐ **2.** Use a recent generation-based study to substitute for our existing Board-approved base-year generation amount, but not officially change our existing Board-approved base year. (Please complete Section I and Section II B.)

☐ **3.** Use a recent generation-based study to officially change our Board-approved existing base year to a new base year. (Please complete Section I and Section II B.)

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 City of Victorville		County San Bernardino County	
Authorized Signature Dana L. Armstrong		Title Solid Waste Manager	
Type/Print Name of Person Signing Dana Armstrong	Date February 24, 2000	Phone (760) 955-5086	
Person Completing This Form (please print or type) John Davis	Title Consultant	Phone (909) 793-3877	
Mailing Address P. O. Box 5001	City/Town Victorville	State CA	ZIP Code 92393-5001

Section II A: Information for Correction of Existing Base-Year Tonnage

Respondents who chose option 1 on the first page must complete this section.
Attach additional sheets if necessary—please reference each response to the appropriate cell number (e.g., A6).

A1. Current Board-approved base year:	**A2.** Increased or decreased **diversion** tons requested:	**A3.** Increased or decreased **disposal** tons requested:	**A4.** Proposed total base-year **generation** tons requested (add figures from A2 and A3):
64,811 tons	7,142 tons (increase)	83,412 tons (increase)	90,554 tons

A5. Document your proposed base-year modification method:

- ☒ Board-approved method from the March 26, 1997 "Agenda Item 32" list.* Name of method: B-3 and B-4 (See attached Item # A5 for details.)
- ☐ Board-approved method from November 5, 1998 "Agenda Item 8" ["LA Fix" method].*
- ☐ Proposed method is not currently Board-approved. (Explain the method in detail below.)

* If you need a copy of either agenda item, contact your Office of Local Assistance representative.

A6. If additional **diversion** tonnage is requested in Box A2, choose one:

- ☒ All diversion tonnage claimed is from a 100 percent audit (full enumeration) of diversion programs.
- ☐ Some diversion data were estimated or extrapolated from representative sampling. (Explain the amount and method in detail below.)

Not Applicable

A7. Describe the **diversion** data records that support your claim and are available for Board audit.
Include type of record and location; for example, weigh tickets from transfer station.

Diversion Program	Tons	Type of Record	Location of Data
City of Victorville asphalt recycling program	5,025	1990 Waste Generation Study	Section 10.1.4 (On file with CIWMB.)

A8. If additional **disposal** tonnage is requested in Box A3, choose one:

☒ All tons claimed are from a 100 percent audit (full enumeration) of hauler, self-haul, or other tonnage.

☐ Some disposal data were estimated or extrapolated from representative sampling. (Explain the amount and method in detail.)

A9. In the table below, list the **disposal** data records that support your claim and are available for Board audit. Include type of record and location; for example, weigh tickets from transfer station.

Source of Additional Disposal	Tons	Type of Record	Location of Data
CIWMB/Board of Equalization landfill tonnage information ; Conversion of aerial photography estimates to scaled tonnage (82,724 tons); Sewage sludge disposal (688 tons)	83,412	**Board of Equalization tonnage reports by Landfill and County**; 1990 Waste Generation Study Table 10-2; Victor Valley Wastewater Reclamation Authority sludge generation report	**Board of Equalization and California Integrated Waste Management Board**; Victor Valley Wastewater Reclamation Authority

A10. Enter your diversion rates in the table below.

	1997	1998
Current calculated diversion rate:	a. 23%	b. 18%
Proposed diversion rate:	c. 44%	d. 41%

A11. If the proposed base-year generation tonnage correction results in an increase in either your 1997 or 1998 waste **diversion** rate, please explain how your **diversion** rate is consistent with your **diversion** program implementation efforts.

The City of Victorville waste is collected by Victorville Disposal and is processed at the Victor Valley MRF. The diversion rate increases results from the correction of base-year BOE reported disposal tonnage, correction for scale tonnage conversion of base year tonnage, and inclusion of sewage sludge in base year tonnage. The diversion increase also reflects base-year inclusion of City of Victorville Public Works recycling of asphalt waste.

Additional diversion programs, both planned and implemented are further increasing diversion (refer to Appendixes B-2 for the 1997 and 1998 Victorville AB 939 Annual Reports).

A12. If the difference between the proposed 1997 and 1998 diversion rates in A10c and A10d is greater than 5 percentage points, please explain the reasons for the difference in the rates. (For example: program implementation or data errors.)

The differences between diversion rates for 1997 is a product of the diversion calculations being based on more accurate BOE disposal information, correction of base year estimating errors, and inclusion of waste previously excluded due to lack of regulatory guidance in 1990.

The 1998 diversion rate has dropped as compared to 1997. The decrease in diversion for 1998 is attributed to increases in disposal tonnage for disaster waste, demolitions, and reporting-year jurisdiction disposal tonnage errors. These increases are fully documented in the 1998 Annual Report.

A program is being implemented to reduce the number of reporting-year errors created by the San Bernardino County Waste System Division and NORCAL/ San Bernardino, Inc.

Source of Disposal	Tons	Type of Record	Location of Data

B8. If you chose "c" in B6, list the **disposal** data records that support your claim and are available for Board audit in the table below. Explain tonnage amount, correction method used, and correct owner of disputed tonnage in detail.

Source of Disposal	Tons	Correction Method Used	Correct Owner

B9. Enter your diversion rates in the table below.

	1995	1996	Other Year: (please specify)
Current calculated diversion rate:	a. %	b. %	
Proposed diversion rate:	c. %	d. %	e. %

B10. If the proposed base-year generation tonnage correction results in an increase in either your 1995 or 1996 waste diversion rate, please explain how the diversion rate is consistent with your diversion implementation efforts.

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

Respondents who chose option 2 or 3 on the first page must complete this section.
Attach additional sheets if necessary—please reference each response to the appropriate cell number (e.g., B4).

B1. Current Board-approved base-year:	**B2.** Proposed new generation-based study year:

B3. Is the proposed generation study year representative of average annual jurisdiction disposal and diversion patterns? ☐ **Yes** ☐ **No**

B4. Please select the **ONE** choice below that best explains your **diversion** data.

☐ All diversion tonnage claimed is from a 100 percent audit (full enumeration) of all available diversion programs.
☐ Some diversion data were estimated or extrapolated from representative sampling. (Explain amount and method in detail below.)

B5. In the table below, list the **diversion** data records that support your claim and are available for Board audit.
Include type of record and location; for example, weigh tickets from transfer station.

Diversion Program	Tons	Type of Record	Location of Data

B6. 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 (1995 and after). (No explanation required. Skip to B9.)
☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage (pre-1995). (Please complete B7 and then skip to B9.)
☐ c. Some Disposal Reporting System data were corrected. (Please skip to B8.)

B7. If you chose "b" in B6, list the **disposal** data records that support your claim and are available for Board audit in the table below.
Include type of record and location; for example, weigh tickets from transfer station.

B11. If the difference between the proposed diversion rates in B9c and B9d or B9d and B9e is greater than 5 percentage points, please explain the reasons for the difference in the rates. (For example: program implementation or data errors.)

Item A5: Base Year Correction

A multi-jurisdictional Solid Waste Generation Study was conducted for the Desert and Mountain Coalition of San Bernardino County to establish the original base year for the jurisdictions in the coalition (i.e., Adelanto, Apple Valley, Barstow, Big Bear Lake, Hesperia, Needles, Twenty Nine Palms, Victorville, Yucca Valley, and Unincorporated San Bernardino County). Based on that study, Coalition-wide base year disposal was determined to be approximately 380,000 tons. Based on more accurate Board of Equalization records for landfill disposal in 1990 that was not available when the SRRE was prepared, Coalition-wide base year disposal was determined to be approximately 500,000 tons. This more accurate disposal amount was then allocated to the jurisdictions within the Coalition, resulting in the corrected base year disposal of 74,526 tons for the City of Victorville.

Scales were installed at the Victorville Landfill in 1991. Aerial photographic estimates had been used in 1990 to determine disposal volume, which was then converted to tonnage. Disposal increased from the estimated 93,004 tons in 1990 to 103,453 scaled tons in 1991, an 11% increase. Since a recession was underway in 1991, the 11% increase represents a reasonable factor to determine the impact of scale conversion. Victorville's revised Board of Equalization based proposed 1990 disposal tonnage is 74,526. An 11% scale conversion increase brings the more accurate base year to 82,724 tons.

The City of Victorville Public Works Department recycled 5,025 tons of inert material (asphalt) in 1990, as documented by the Waste Generation Study (Section 10.1.4). In the absence of clear regulatory guidance at the time, the asphalt recycling was not included in the base year. Inclusion now of the asphalt recycling increases base year diversion to 7,141.70 tons.

The same regulatory uncertainty resulted in the exclusion of sewage sludge from disposal and/or diversion calculation (see Table 10-2). Sludge was disposed at Victorville Landfill in 1990, with Victor Valley Wastewater Reclamation Authority reporting 688 tons from the City of Victorville.

82,724
74,526
8,198

82,724
78,863

83412

Base Year Analysis

City of Victorville	Base Year		
	Dis.	Div.	Gen.
Prior Board Approved Tons	56,668	2,043	58,711
Updated Tons	83,412	7,142	90,554
Board-Approved Diversion Rate (1990 Base Year)		3.5 percent	
Updated 1990 Diversion Rate		**8 percent**	

10.1.4 EXISTING DIVERSION RATES

Based on a compilation of all diversion facility surveys, it was estimated that generators located within Victorville diverted approximately 2,117 tons of solid waste for all of 1990. Table 10-3 provides estimates for the total tons per year (TPY) diverted, broken down into diversion category and generator type. It should be noted that the City of Victorville's Public Works Department had recycled approximately 5,025 TPY of inerts (asphalt) in 1990. Several interpretations of the AB 939 Regulations regarding inerts have been made; more are likely to come. To be consistent, we have not included the existing inerts quantity in the existing diversion. This quantity would bring Victorville's total diversion percentage to about 12.2 percent.

TABLE 10-3
TOTAL WASTE DIVERSION ESTIMATES BY DIVERSION ACTIVITY AND GENERATOR TYPE (TPY)

	Residential		Commercial		Industrial		Total	
	Percent	TPY	Percent	TPY	Percent	TPY	Percent	TPY
Source Reduction	0.75	443.3	0.30	176.2	0.00	0	1.05	619.50
Recycling	0.24	143.5	2.30	1353.7	0.00	0	2.55	1,497.20
Composting	0.00	0	0.00	0	0.00	0	0.00	0.00
TOTAL	**1.00**	**586.80**	**2.60**	**1,529.90**	**0.00**	**0.00**	**3.60**	**2,116.70**

Source Reduction

The source reduction activities currently serving Victorville include:

- Thrift stores and charitable collection services
- Use of refillable beverage bottles
- Tire recapping
- Diaper cleaning services

Recycling

The recycling activities currently serving Victorville include:

- Commercial recycling programs
- Rendering facilities
- Christmas tree mulching programs
- Buy-back centers
- Governmental recycling programs

TABLE 10-2
COMPOSITION OF WASTE DISPOSED AT LANDFILLS - VICTORVILLE

Waste Category	Residential		Commercial		Industrial		*Weighted Total	
Percent of Total Disposal	50.12%		48.00%		1.88%		100.00%	
PAPER	41.9%		45.6%		41.6%		43.7%	
Corrugated Paper		6.5%		15.1%		14.6%		10.8%
Mixed Paper		12.5%		10.3%		9.0%		11.4%
Newspaper		12.6%		7.7%		1.7%		10.0%
High Grade Paper		0.7%		0.9%		4.9%		0.9%
Other Paper		9.6%		11.6%		11.4%		10.6%
PLASTIC	10.3%		8.2%		11.7%		9.3%	
HDPE Containers		0.7%		0.2%		0.1%		0.5%
PET Containers		0.4%		0.1%		0.0%		0.2%
Film Plastics		4.8%		4.2%		1.3%		4.4%
Other Plastics		4.5%		3.7%		10.3%		4.2%
GLASS	4.2%		3.8%		14.2%		4.2%	
Refillable Glass Beverage Containers		0.0%		0.2%		0.0%		0.1%
CA Redemption Value Glass		1.1%		1.2%		0.1%		1.2%
Other Recyclable Glass		2.8%		1.4%		0.7%		2.1%
Other Non-Recyclable Glass		0.3%		1.0%		13.4%		0.8%
METAL	6.0%		2.8%		7.3%		4.5%	
Aluminum Cans		0.4%		0.4%		0.3%		0.4%
Bi-Metal Containers		0.0%		0.1%		0.0%		0.1%
Tin Cans		5.0%		1.9%		5.8%		3.5%
Non-Ferrous Metals		0.5%		0.2%		0.0%		0.3%
White Goods		0.0%		0.0%		0.0%		0.0%
Other Metals		0.1%		0.2%		1.2%		0.2%
YARD WASTES	19.7%		7.3%		3.1%		13.5%	
Yard Wastes		19.7%		7.3%		3.1%		13.5%
OTHER ORGANICS	14.1%		19.3%		5.0%		16.4%	
Food Wastes		6.4%		15.8%		1.3%		10.7%
Tire & Rubber Products		0.2%		0.6%		0.2%		0.4%
Wood Wastes		1.4%		1.0%		1.9%		1.2%
Agricultural Crop Residues		0.0%		0.0%		0.0%		0.0%
Manure		3.1%		0.0%		0.0%		1.6%
Textiles & Leather		3.0%		1.7%		1.6%		2.4%
Others		0.0%		0.2%		0.0%		0.1%
OTHER WASTES	3.8%		9.6%		10.3%		6.7%	
Inert Solids		2.8%		7.8%		9.9%		5.3%
Furniture/Household Goods		0.0%		0.0%		0.0%		0.0%
Household Hazardous		1.0%		1.8%		0.4%		1.4%
SPECIAL WASTES	0.0%		3.3%		6.3%		1.7%	
Ash		0.0%		0.0%		0.0%		0.0%
Sewage Sludge		0.0%		0.0%		0.0%		0.0%
Industrial Sludge		0.0%		0.0%		0.0%		0.0%
Asbestos		0.0%		0.8%		0.0%		0.4%
Auto Shredder Waste		0.0%		0.0%		0.0%		0.0%
Auto Bodies		0.0%		0.0%		0.0%		0.0%
Bulky Waste		0.0%		0.0%		6.3%		0.1%
Other Special Waste		0.0%		2.5%		0.0%		1.2%

**Totals may not add due to rounding. Horizontal totals may not add because of weighted average of the waste stream.*

Board Meeting
December 11-12, 2001

Agenda Item
Attachment 1

Victor Valley Wastewater

FAX TRANSMITTAL

RECEIVED
FEB 11 2000
FINANCE DEPT.

FROM: **Chris Nalian** CN
Victor Valley Wastewater Reclamation Authority
20111 Shay Road
Victorville, CA 92394
(760) 246-8638
FAX: (760) 246-5440

TO: **Mr. John C. Davis**
Mojave Desert & Mountain
Integrated Waste J.P.A.
700 Redlands Boulevard, Suite 311
Redlands, CA 92373

FAX NO: (909) 793-8652

DATE FAXED: **February 10, 2000** **Time:** _____

Total number of pages transmitted including this cover sheet: Two (2)

Attached is the information you requested on the biosolids generation for VVWRA and the City of Victorville for the calendar year 1990 and 1998.

If you have any questions or need any further information, please call.

cc: Adair Most, City of Victorville
Guy Patterson, City of Victoville

VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY
Biosolids Generation: VVWRA & City of Victorville

Calender Year	VVWRA			City of Victorville		
	Total Influent (mg)	Solids Loading (tons)	Biosolids Generated (tons)	Entity Flow (mg)	Solids Loading (tons)	Biosolids Generated (tons)
1990	2,341	2,458	1,388	1,161	1,219	688
1998	3,020	5,593	1,574	1,654	3,062	862

Notes: Solids loading is defined as solids received by the facility for treatment and removal. Biosolids generated is defined as the solids and biomass remaining after treatment, which must be disposed.