

COUNTY of MARIPOSA



James J. Petropulos
Director

4639 Ben Hur Road
Mariposa, CA 95338
Phone: (209) 966-5356
Fax: (209) 966-2828

Division of Solid Waste & Recycling
sengfer@mariposacounty.org

December 5, 2003

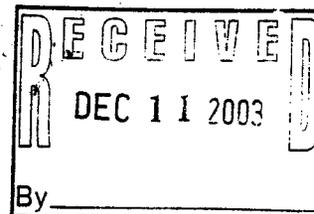
DEPARTMENT OF PUBLIC WORKS

Divisions of:

Administration
Cemeteries
Design & Construction
Facilities
Roads
Transportation

Airport
County Surveyor
Engineering
Parks & Rec.
Solid Waste
Fleet Maintenance

Ms. Natalie Lee
Office of Local Assistance
California Integrated Waste Management Board (CIWMB)
Cal-EPA Building
P. O. Box 4025
Sacramento, California 95812-4025



RE: County of Mariposa Five-Year Countywide Integrated Waste Management Plan Review

Dear Ms. Lee:

On behalf of the County of Mariposa, please find attached a copy of the "Five-Year CIWMP Review Report". In conformance with Section 41822 of the Public Resources Code (PRC), the County has reviewed the Countywide Integrated Waste Management Plan (CIWMP).

The County's Local Task Force (LTF), referred to as the Mariposa County AB 939 Local Task Force (LTF), submitted written comments to the County in conformance with Section 18788 of Title 14 of the California Code of Regulations (CCR). A copy of the October 30, 2003 LTF letter is included in Appendix E of the "Five-Year CIWMP Review Report".

The County finds that a CIWMP revision is not necessary at this time. Guided by the current CIWMP and the Goal Achievement Plan, approved as part of the County's SB 1066 request for an Alternative Diversion Requirement, the County will continue to implement programs and strive to fulfill the goals of the Integrated Waste Management Act. It should be noted, however, the County is planning to amend the Nondisposal Facility Element during the next six months and is considering updating the Source Reduction and Recycling Element in 2005 after scales have been re-installed at the Mariposa County Landfill and the mixed waste composting project begins operation.

Please contact me at (209) 966-5356 Extension 231 if you have any questions or comments.

Respectfully submitted,

Steve Engfer
Solid Waste & Recycling Manager

cc LTF Members
Jim Greco, California Waste Associates



**COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN
FIVE-YEAR REVIEW REPORT**

for the

COUNTY OF MARIPOSA

prepared by the

**DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

Final Draft

December 6, 2003

The County of Mariposa Solid Waste Management Division
authorized the preparation of this Report by

California Waste Associates
A Jim Greco Consulting Organization
Post Office Box 5177
El Dorado Hills, California 95762
(916) 933-2327

Information and any questions or comments about this document should be directed to:

Steve Engfer, Solid Waste & Recycling Manager
Solid Waste Management Division
Department of Public Works
County of Mariposa
4639 Ben Hur Road
Mariposa, California 95338
(209) 966-5356 Ext 231

This report was initially printed on paper with recycled-content and copies double-sided
to encourage awareness and practicing of source reduction and recycling.

TABLE OF CONTENTS

<u>Chapter</u>	<u>Description</u>	<u>Page</u>
	TRANSMITTAL LETTER	5
1.0	EXECUTIVE SUMMARY	7
2.0	INTRODUCTION	10
3.0	BACKGROUND	11
4.0	PURPOSE	12
5.0	LOCAL TASK FORCE REVIEW	12
6.0	SECTION 18788 (3) (A) THROUGH (H) ISSUES	12
	Overview	12
	Demographics	13
	Quantities of Waste	14
	Funding Sources	16
	Administrative Responsibilities	16
	Program Implementation	17
	Permitted Disposal Capacity	21
	Available Markets	23
	Implementation Schedule	23
	Other Issues	23
7.0	SUPPLEMENTARY INFORMATION	23
	Appendix A - Relevant Public Resource Code Sections	24
	Appendix B - July 21, 2000 CIWMB Letter and Applicable CCR Section 18788	26
	Appendix C - LTF Membership	30
	Appendix D - August 25 th and October 29 th , 2003 LTF Meeting Information	31
	Appendix E - LTF Comment Letter on CIWMP Review	46

(This page intentionally left blank.)

COUNTY of MARIPOSA



James J. Petropulos
Director

4639 Ben Hur Road
Mariposa, CA 95338
Phone: (209) 966-5356
Fax: (209) 966-2828

Division of Solid Waste & Recycling
sengfer@mariposacounty.org

December 5, 2003

DEPARTMENT OF PUBLIC WORKS

Divisions of:

Administration
Cemeteries
Design & Construction
Facilities
Roads
Transportation

Airport
County Surveyor
Engineering
Parks & Rec.
Solid Waste
Fleet Maintenance

Ms. Natalie Lee
Office of Local Assistance
California Integrated Waste Management Board (CIWMB)
Cal-EPA Building
P. O. Box 4025
Sacramento, California 95812-4025

RE: County of Mariposa Five-Year Countywide Integrated Waste Management Plan Review

Dear Ms. Lee:

On behalf of the County of Mariposa, please find attached a copy of the "Five-Year CIWMP Review Report". In conformance with Section 41822 of the Public Resources Code (PRC), the County has reviewed the Countywide Integrated Waste Management Plan (CIWMP).

The County's Local Task Force (LTF), referred to as the Mariposa County AB 939 Local Task Force (LTF), submitted written comments to the County in conformance with Section 18788 of Title 14 of the California Code of Regulations (CCR). A copy of the October 30, 2003 LTF letter is included in Appendix E of the "Five-Year CIWMP Review Report".

The County finds that a CIWMP revision is not necessary at this time. Guided by the current CIWMP and the Goal Achievement Plan, approved as part of the County's SB 1066 request for an Alternative Diversion Requirement, the County will continue to implement programs and strive to fulfill the goals of the Integrated Waste Management Act. It should be noted, however, the County is planning to amend the Nondisposal Facility Element during the next six months and is considering updating the Source Reduction and Recycling Element in 2005 after scales have been re-installed at the Mariposa County Landfill and the mixed waste composting project begins operation.

Please contact me at (209) 966-5356 Extension 231 if you have any questions or comments.

Respectfully submitted,

A handwritten signature in cursive script that reads "Steve Engfer".

Steve Engfer
Solid Waste & Recycling Manager

cc LTF Members
Jim Greco, California Waste Associates

(This page intentionally left blank.)

CHAPTER 1.0 EXECUTIVE SUMMARY

State law requires that each county, and the cities within the county, review their waste management planning documents every five years. The collection of planning documents is referred to as the "Countywide Integrated Waste Management Plan" (CIWMP). The review is required to be conducted by the 5th year anniversary date from when the CIWMB approved the CIWMP. The Mariposa County CIWMP was approved by the CIWMB on May 27th, 1998. Thus, by May 27th, 2003, the County Local Task Force (LTF)], was required to advise the County on whether the CIWMP needs to be revised. The LTF reviewed the CIWMP and determined that it was not necessary to revise the planning documents so long as the annual reports prepared by the County update the CIWMP.

The overall framework of the CIWMP is still applicable. The goals, objectives, policies, waste management infrastructure, funding sources, and responsible administrative organizational units noted throughout the CIWMP still are accurately described. State law also requires that the review address a number of issues, which are highlighted below in upper case, bold font type.

DEMOGRAPHICS. The calculation of the diversion rate for the County depends upon CIWMB-established adjustment factors, for example: population, employment, taxable sales, and the consumer price index. From 1990 to 2001, these factors increased:

- 20% for population;
- 6% for labor force employment;
- 12% for industry employment;
- 22% for taxable sales transactions; and
- 35% for the statewide consumer price index (CPI).

Thus, the County experienced some growth in all of the factors used to estimate waste generation with the CIWMB's diversion measurement adjustment methodology.

QUANTITIES OF WASTE. Estimated waste generation quantities have increased 5% while reported disposal tonnages have decreased 13%, resulting in a diversion performance increase from 21% in 1990 to 34% in 2001. The associated quantities of waste are depicted in the following table.

Parameter	1990	2001	% Change
Population	14,302	17,195	20.2%
Employment (Labor)	6,360	6,740	6.0%
Employment (Industrial)	4,780	5,350	11.9%
Taxable Sales	\$106,757,000	\$130,062,000	21.8%
CPI	135.0	181.7	34.6%
Waste Generation (tons)	17,045	17,852	4.7%
Disposal (tons)	13,504	11,729	-13.1%
Diversion (tons)	3,541	6,123	7.3%
Diversion Rate (%)	20.8%	34%	63.46%

FUNDING SOURCES AND ADMINISTRATIVE RESPONSIBILITIES. Funding and administrative resources have been maintained and, in many instances, expanded through grants from the CIWMB, the California Department of Conservation, U. S. National Park Services, and the U. S. Department of Agriculture Rural Assistance Program. Additionally, the County actively participates in the Regional Council of Rural Counties Environmental Services Joint Powers Authority. This participation enables the County to leverage its program development effectiveness by learning from and sharing experiences with other rural counties.

PROGRAM IMPLEMENTATION. Program implementation, as documented by each jurisdiction in the annual reports, has been sustained, enhanced, and expanded. Most selected programs have been implemented and some new programs started. Programs, which were dropped, include:

- Economic Incentives;
- Material Recovery Facility;
- Other Transformation; and
- Periodic Household Hazardous Waste Collection Events.

The first three programs were determined to be infeasible due to weak economies of scale for the rural character of the county, lack of demonstrated cost-effectiveness, and the development of the mixed solid waste composting facility. The periodic events were discontinued in lieu of the development of a permanent facility and participation with Merced County through a partnership arrangement for processing and managing household hazardous waste.

The major contingency program being implemented by the County is an expansion of a previously selected green, yard, and wood waste composting project. The expansion will result in the facility processing more wastes, mixed solid wastes, and achieving a much greater diversion rate. The County plans to expand residential drop-off, commercial collection, and inerts diversion programs.

These plan updates have been included in the County's annual report and SB 1066 alternative diversion requirement goal achievement plan.

PERMITTED DISPOSAL CAPACITY. Countywide permitted disposal capacity exceeds the statutory requirement of 15 years. At least 8 years of permitted disposal capacity exists in the county, with additional capacity being available, out-of-county, if needed. However, the County is planning on constructing a mixed solid waste composting facility. With implementation of the composting project, it is planned to extend the life of the landfill to 20-30 more years.

AVAILABLE MARKETS. Markets for recoverable materials have fluctuated and strained diversion program implementation. Recoverable materials are accumulated in sufficient quantities for transport to distant markets.

OTHER ISSUES. The goals, policies, and objectives stated in the Summary Plan remain applicable and relevant. The Local Task Force has been reconstituted. The LTF now meets

periodically to monitor countywide diversion performance, provide assistance and public input for the development of the mixed solid waste composting facility, and to provide useful input for the pursuit of AB 939 compliance strategies. The LTF recently convened to review the proposed amendment to the Nondisposal Facility Element. Most of the selected and contingent programs have been and are continuing to be implemented. Although some programs have been revised, overall program implementation has been discussed in the annual reports and the CIWMB Planning Annual Report Information System (PARIS) has been kept updated. The County will continue to monitor evolving compliance issues and report at least every six months on the status of the implementation of its SB 1066 alternative diversion requirement "goal achievement plan".

The County feels that the most effective allocation of available resources at this time is to continue to utilize the existing CIWMP and SB 1066 reporting activity as planning tools, augmented by the annual reports.

Countywide resources are best directed toward the development and implementation of programs rather than revising current planning documents at this time. Where feasible and practical, increased efforts may be directed to quantifying (or estimating) diversion tonnages for implemented programs and recoverable materials. The County will update its annual report yearly to reflect current performance and identify any changes desired in program selection and implementation.

For these reasons, the County does not feel that revision of its CIWMP is warranted or desirable at this time but does anticipate updating the Source Reduction and Recycling Element in 2005.

CHAPTER 2.0 INTRODUCTION

The California Integrated Waste Management Act of 1989 (Assembly Bill 939) requires cities and counties in California to reduce the amount of solid waste disposed in landfills by 50% by the year 2000, and thereafter, through source reduction, recycling, and composting activities. Transformation may be used to reduce the wastes sent to landfills by no more than 10% after 1999. The CIWMP is the guiding document for attaining these goals. The content requirements of the CIWMP are identified in PRC 41751.

PRC Section 41822 requires each city and county to review its source reduction and recycling element (SRRE) or the CIWMP at least once every five years to:

- (1) correct any deficiencies in the element or plan;
- (2) comply with the source reduction and recycling requirements established under PRC Section 41780; and
- (3) revise the documents, as necessary.

The CIWMB clarified the five-year CIWMP review process in CCR Section 18788. Section 18788 states that prior to the fifth anniversary of CIWMB Board approval of the CIWMP, the LTF shall complete a review of the CIWMP to assure that the County's waste management practices remain consistent with the hierarchy of waste management practices defined in PRC Section 40051.

The hierarchy stated in PRC 40051 is:

- (1) source reduction;
- (2) recycling and composting; and
- (3) environmentally safe transformation and environmentally safe land disposal.

The text of PRC Sections 41751, 41822, 41780, 40051, 40052, and 41770 are included in Appendix A.

The process identified in CCR 18788 is summarized as follows:

- prior to the 5th anniversary, the LTF shall submit *written comments* on areas of the CIWMP which require revision to the County and the CIWMB;
- within 45 days of receipt of comments, the county shall determine if a revision is necessary and notify the LTF and the CIWMB of its findings in a *CIWMP Review Report*; and
- within within 90 days of receipt of the *CIWMP Review Report*, the CIWMB shall review the County's findings and, at a public hearing, approve or disapprove the County's findings.

CCR 18788 also identifies the minimum issues, which are to be addressed in the *CIWMP Review Report*. They are:

- (A) changes in demographics in the county;
- (B) changes in quantities of the waste within the county;
- (C) Changes in funding sources for administration of the countywide siting element and summary plan;
- (D) changes in administrative responsibilities;
- (E) program implementation status;
- (F) changes in permitted disposal capacity and quantities of waste disposed of in the county;
- (G) changes in available markets for recyclable materials; and
- (H) changes in the implementation schedule.

On October 30, 1998 and again on July 21, 2000, the CIWMB Office of Local Assistance sent letters to jurisdictions clarifying the CIWMB's oversight of the five-year revision process. A copy of the July 21st letter and CCR Section 18788 are included in Appendix B of Section 7.0 of this *CIWMP Review Report*. The July 21st letter essentially noted that the five-year anniversary is from the date of approval by the CIWMB of the CIWMP; that the CIWMB legal staff determined that jurisdictions can utilize their annual reports to update program information, if a revision is not determined by the jurisdiction to be necessary; and that if a revision is determined to be necessary, it may be submitted with the next annual report.

CHAPTER 3.0 BACKGROUND

The Source Reduction and Recycling Element (SRRE), the Household Hazardous Waste Element (HHWE), the Nondisposal Facility Element (NDFE the Countywide Siting Element (CSE), and the Summary Plan (SP) comprise the CIWMP. The planning documents were approved by the CIWMB on the dates shown in Table 3-1.

Table 3-1. Approval Dates of AB 939 Planning Documents for Mariposa County

Planning Element	CIWMB Approval Date
Source Reduction and Recycling Element	5/27/98
Nondisposal Facility Element	8/29/96
Household Hazardous Waste Element	5/27/98
Countywide Siting Element	5/27/98
Summary Plan	5/27/98
SB 1066 Alternative Diversion Requirement	1/14/03

The CIWMP was approved by the CIWMB on May 27th, 1998. Thus, the anniversary date for the first five-year CIWMP review is May 27th, 2003. No petition for a permanent reduction in the 50% goal has been requested. However, the County did request and was granted, on January 14, 2003, an interim alternative diversion requirement (ADR) of 33% through December 31, 2004 under the SB 1066 process.

CHAPTER 4.0 PURPOSE

The purpose of this *CIWMP Review Report* is twofold: (1) to document the compliance of Mariposa County with PRC 41822 and CCR 18788; and (2) to solicit a wider review, recommendations, and support for the course of action identified by the County to achieve increased levels of diversion.

CHAPTER 5.0 LOCAL TASK FORCE REVIEW

The Mariposa County Local Task Force (LTF) commenced meeting in 2003 after being inactive for a period of time. The current membership of the LTF is identified in Appendix C.

The Task Force first met on August 25th, 2003 and discussed the five-year CIWMP review. A copy of the announcement memo, agenda, and background material for this meeting is included in Appendix D. The LTF was briefed about its responsibilities during this meeting by a retained independent consultant, California Waste Associates (CWA). CWA briefly reviewed the planning documents and the extent that the documents were updated by the annual reports and other reports prepared by the County. CWA presented an overview of the CIWMP review process, the content and adequacy of each of the planning documents, observations on the current applicability of the CIWMP, and recommendations.

At its next meeting on October 29, 2003, the LTF reviewed a comparative summary of the consistency of the planning elements with current program implementation. After discussing the comparative summary and the current status of program implementation, the LTF approved that a letter be sent to the County transmitting the LTF's written comments. A copy of the Task Force letter is included in Appendix E. A copy was forwarded to the CIWMB.

CHAPTER 6.0 SECTION 18788 (3) (A) THROUGH (H) ISSUES

OVERVIEW

CWA reviewed each CIWMP document and found that the documents, accompanied by the annual reports, continue to serve as appropriate reference tools for implementing and monitoring compliance with AB 939. The Summary Plan adequately summarizes the solid waste and household hazardous waste management infrastructure within the county.

The goals, objectives, and policies in the elements are still applicable and consistent with PRC 40051 and 40052. The selected programs for each component were reviewed. Nearly all programs were being implemented. The annual reports and the Planning Annual Report Information System (PARIS) for the County and each city are up to date. Although there have been some changes in program implementation, schedules, costs, and results, these changes are not considered to be significant. Furthermore, it is felt that continued emphasis on program development, evaluation, and implementation are more important than refining the CIWMP documents through a revision.

The diversion performance for the County is identified in Table 6-1.

Table 6-1. Diversion Rate Trends (1995-2001)

Year	Diversion Rate *
1995	28%
1996	30%
1997	30%
1998	30%
1999	31%
2000	27%
2001	34%

* Source: CIWMB Website - Diversion Measurement for 1995-2001.

Table 6-2 depicts the updated waste generation estimates and disposal quantities for 2001 for all jurisdictions. Table 6-3 illustrates the improvement in diversion performance from 1990.

Table 6-2. Summary of Countywide 2001 Diversion Rate Calculation

Waste Management Activity	Tons
Waste Diversion	6,123
Waste Disposal	111,729
Waste Generation	17,852
Diversion Rate	34%

Table 6-3. 1990 versus 2001 Diversion Rates

Year	Diversion
1990	21%
2001	34%
Percent Change	62%

DEMOGRAPHICS

Table 6-4 depicts demographic trends from 1990 to 2001. The data (e.g., default adjustment factors) was obtained from the CIWMB website. The County has experienced some growth, which has induced slightly increased waste generation.

Table 6-4. Demographic Trends (1990-2001)

Demographic Factor/Jurisdiction	1990	2001	% Change
Population			
Countywide	14,302	17,195	20%
Employment (Industrial)			
Countywide	4,780	5,350	12%
Taxable Sales Transactions			
Countywide	\$106,757,000	\$130,062,000	22%
Consumer Price Index (CPI)			
Statewide	135.0	181.7	35%

QUANTITIES OF WASTE

Waste Generation. CIWMB-approved base year waste generation quantities are presented in Table 6-5 for each jurisdiction. The per capita waste generation rate in pounds per person per day (ppd) was calculated for residential and total waste generation. The statewide average per capita in 1990 for total waste generation was approximately 8 ppd; for residential waste per capita, the average is about 3 ppd.

Table 6-5. Base Year Per Capita Waste Generation Analysis

Parameter	Mariposa County
Base Year (BY)	1990
BY Waste Generation (tons)	17,045
BY Population	14,302
BY Per Capita (ppd)	6.53
BY Waste Generation Residential Percentage	37%
BY Residential Waste Generation (tons)	6,307
BY Residential Per Capita (ppd)	2.42

The per capita total waste generation rate in the County is below the statewide average. This observation infers that the base year waste generation may have been under-estimated. However, the socio-economic character of the County, particularly with respect to tourism, industry, and waste generator types (e.g., businesses which generate or do not generate waste) and other factors (Yosemite National Park, which attracts visitors from outside the county) should be assessed prior to any final conclusions. Waste generation is a significant variable because it establishes the reference level from which disposal reduction and diversion are measured. Table 6-6 presents the estimated waste generation in the base year (1990) and for the period (1995 through 2001) when the CIWMB adjustment methodology was used to project waste generation.

Table 6-6. Countywide Estimated Waste Generation Trends (1990 and 1995 through 2001)

Year	Waste Generation * (tons)	Diversion Rate (percent)
1990	17,045	21%
1995	17,565	28%
1996	17,832	30%
1997	16,695	30%
1998	17,037	30%
1999	16,911	31%
2000	17,397 **	27%
2001	17,852	34%

* 1990 base year waste generation approved by CIWMB; 1995 through 2001 derived by using the CIWMB adjustment methodology.

** Alternative adjustment factors for population and employment were used by the County and approved by the CIWMB.

Table 6-7 presents a comparison for the year 2000 waste generation quantities projected in the SRRE and estimated by the adjustment methodology. The results show that the SRRE predictions are relatively close to the adjustment methodology estimates.

Table 6-7. Comparison of SRRE 2000 Projected Waste Generation Tonnage vs. 2000 Estimated Waste Generation Tonnage (Adjustment Methodology)

Source of Waste Generation Estimate	Quantity
Projected in SRRE for 2000	15,835 tons
Estimated by Adjustment Methodology for 2000	17,397 tons
Difference	9.9%

Waste Disposal. Disposal quantities estimated for the base year and reported for the period 1995-2001, according to the CIWMB Disposal Reporting System (DRS), are compiled in Table 6-8.

Table 6-8. Disposal Tonnage Trends (1995-2001) *

Disposal Facility	1995	1996	1997	1998	1999	2000	2001
B&J Dropbox			22				
Fink Road					13		
Foothill			4	12	1	8	14
Forward				3	971		
Highway 59	35	8	4	66	49	73	81
Keller Canyon							33
County LF	12,653	12,438	11,734	11,838	10,646	12,603	11,601
North County	2						1
Ogden Martin WTE	2	5	1	1	50	1	
Total	12,691	12,438	11,765	11,919	11,729	12,685	11,729

* Source: CIWMB Website - Disposal Reporting System (DRS).

The reported disposal tonnage decreased from 1995 through 1997 but has increased slightly in 1998 and again in 2000.

Solid waste disposal and waste generation quantities were projected for the period (1990-2000) in the SRRE. The SRRE projections for disposal quantities in the year 2000 were compared with the reported disposal tonnage, as modified, in the CIWMB DRS for 2000. The comparative results are presented in Table 6-9. The reported disposal is 11% higher than what was projected in the SRRE for 2000.

Table 6-9. Comparison of 2000 SRRE Projected versus Reported Disposal Tonnage

Source of Disposal Tonnage	Disposal
Projected in SRRE for 2000	11,400 tons
Reported by CIWMB in DRS in 2000	12,685 tons
Difference	11.3%

Waste Characterization. The County funded a new waste characterization study, which was completed in early 2000. This was reported in the County's annual reports. The study confirmed the compostable portion of the available waste stream, which supported the development of the mixed solid waste composting project. The waste stream was categorized by collection system, namely: TWS Residential, TWS Commercial, Self-haul, National Park Service, and Yosemite Concessionaire Service.

FUNDING SOURCES

The funding sources identified in the SRRE are summarized include:

- Gate fees at the Mariposa County Landfill;
- Service charges by Total Waste Systems and the National Park Service (NPS) Concessions Company for waste management and recycling services provided; and
- Contributions from the Mariposa County Enterprise Fund.

No significant changes have occurred in the basic funding sources for the administration of the CSE and the Summary Plan.

Additional funds have been obtained from the CIWMB (used oil recycling and opportunity, HHW, tire amnesty and recycling grants) and the Department of Conservation Division of Recycling (city/county payment program).

The National Park Service funds diversion and supporting educational programs implemented in Yosemite National Park.

Approximately \$7,212,000 has been budgeted for the mixed waste composting project. The sources for this funding comes from:

- NPS grant (\$1,712,000)
- U. S. Department of Agriculture Rural Assistance grant (\$1,800,000)
- U. S. Department of Agriculture loan (\$3,200,000)
- County General Revenues (\$500,000)

As noted earlier, the mixed waste composting project is the primary diversion program being implemented by the County for achievement of the diversion goals of AB 939.

ADMINISTRATIVE RESPONSIBILITIES

Although there have been changes in responsible personnel, no significant changes have occurred in the administration of the CIWMP. Within the County, the Department of Public Works has been the continuing overall responsible agency. Solid waste management activities within the Department have been assigned to the Solid Waste and Recycling Division. The responsible position during the past 13 years has been the Solid Waste and Recycling Manager.

The County has advised the CIWMB of the primary responsible individuals for AB 939 in their annual reports.

PROGRAM IMPLEMENTATION

The Summary Plan included goals, policies, and objectives to promote countywide integrated waste management. The goals, policies, and objectives listed below are still applicable.

Goals. The Summary Plan included the following goals:

- Goal Number 1. Implement and maintain a cost-effective integrated solid waste management system, which emphasizes waste reduction and recycling programs, including composting.
- Goal Number 2. The planning and implementation of integrated waste management will be the responsibility of the Mariposa County Department of Public Works with review by the Task Force and approval by the Board of Supervisors.
- Goal Number 3. Mariposa County will strive to maintain cost-effective programs, which are available to all residents of the County for safe and effective handling of household hazardous waste materials.
- Goal Number 4. Mariposa County will strive to maximize available landfill capacity through efficient operations and by diverting materials from the landfill to the greatest extent possible.
- Goal Number 5. Mariposa County will strive to maintain an effective outreach program to inform the public about available waste diversion programs and to explain how these programs can maximize the use of available landfill space.

Policies. The following policies were identified in the Summary Plan:

- Policy Number 1. Representatives of the public and private sector will continue to work together on the Solid Waste Task Force to coordinate implementation of waste programs and to address solid waste issues of countywide concern.
- Policy Number 2. Mariposa County will work cooperatively with neighboring jurisdictions to coordinate regional solid waste management programs if such coordination results in cost savings and operational efficiencies, provided any such programs are not in conflict with the interests of the jurisdictions involved.
- Policy Number 3. Mariposa County will continue to encourage and support privately owned recycling businesses and privately operated recycling programs.

- Policy Number 4. Working through the Local Solid Waste Task Force, Mariposa County will continue to encourage and support public education programs in cooperation with local schools and other community organizations.

Objectives. Three specific objectives were identified in the Summary Plan. They are:

- Objective Number 1. Mariposa County will maintain and implement an integrated waste management system designed to divert at least 25% of the waste stream from landfill disposal in the year 1995.
- Objective Number 2. Mariposa County will implement programs designed to achieve, by the year 2000, State-mandated diversion levels, which are currently established at 50% of the waste stream. Depending on the feasibility and cost-effectiveness of established and planned waste diversion programs, time extensions or diversion reduction requests may be submitted to CIWMB in accordance with State law.
- Objective Number 3. Mariposa County will continue to provide all residents with environmentally sound disposal options for household hazardous waste materials and will work to make these options as convenient and cost-effective as possible.

These objectives are intended to establish measurable milestones, which must be achieved in order to fulfill established goals.

The identified goals, policies, and objectives continue to be applicable.

Nondisposal Facilities. The following existing transfer stations were identified in the NDFE:

- Fish Camp Transfer Station;
- Hornitos Transfer Station;
- Don Pedro Transfer Station; and
- Coulterville Transfer Station.

The following proposed nondisposal facilities were identified in the NDFE:

- Mariposa County Landfill Material Recovery Facility (MRF);
- Mariposa County Landfill Green/Yard/Wood Waste Composting Facility

The MRF is described as a mixed municipal solid waste recovery facility expected to process approximately 7,500 tons per year (tpy) with a diversion rate between 10-15% whereas the green/yard/wood waste composting facility was expected to process 1,000 tpy of green, yard, and wood waste providing an overall diversion rate of approximately 4%.

The currently proposed mixed waste composting facility differs from the description in the NDFE, as noted above, as follows:

- The expected material to be received is mixed solid wastes and not limited to green, yard, and wood waste;
- The facility is expected to receive up to 14,600 tpy; and
- The facility's expected diversion rate is much greater than 4%. It is expected to divert at least 30% and possibly realizing over 60% diversion of the material received by the facility.

The County plans to amend its NDFE to include the mixed waste composting facility.

Diversion Programs. Table 6-10 identifies the diversion programs selected by the County. The annual reports have provided updated information concerning program implementation. Nearly all selected programs have been and are being implemented. The programs being implemented, when integrated with the mixed waste composting facility, are expected to achieve the 50% diversion goal.

Public Education, Policy, and Incentive Programs. The County is implementing the following public education programs:

- Electronic (e.g., slide shows, radio);
- Print (e.g., brochures, flyers, guides, newspaper articles and announcements);
- Outreach [e.g., technical assistance, presentations, give-aways (i.e., shirts, canvas bags), awards, fairs, field trips]; and
- Schools (e.g., education, presentations, demonstrations, curriculum).

In the original SRRE, an economic incentive (advanced disposal fees) was selected but discontinued because this incentive required authorization beyond the powers of the County (e.g., state legislation). Furthermore, with the planned implementation of the mixed waste composting project, the County determined that it is not in its best interests to expend resources supporting advanced disposal fees.

Household Hazardous Waste Management Programs. Household hazardous waste programs being implemented by the County include:

- Permanent HHW Collection; and
- Education Programs.

A HHW storage container was purchased in 1999 through a CIWMB HHW grant to the Regional Council of Rural Counties (RCRC) Environmental Services Joint Powers Authority (ESJPA). The storage container is located at the Mariposa County Landfill and functions as a permanent HHW collection facility. The HHW is accumulated and shipped by the Merced County Environmental Health Department to its permanent HHW collection facility in Merced for recycling and disposal.

The County contracts with Evergreen Environmental Services for used oil collection.

Programs Scheduled for Implementation but Were Not and A Statement as to Why They Were Not Implemented. Diversion programs, which were selected, but reported in the annual reports as not implemented include:

- Materials recovery facility (MRF); and
- Green waste/wood waste composting facility

As plans developed for these facilities, it became clear that the rural nature of the County, the voluntary participation in the waste collection system, and distance from markets for recoverable, recyclable materials were factors that made source separation of recyclables impractical (e.g., economies of scale limitations). With a mixed solid waste stream, the operation of a traditional MRF would be labor intensive and costly.

After several years of study, and after reviewing a variety of mechanical handling and separation processes, the County selected an approach, which focused upon mixed solid waste processing and in-vessel composting.

Progress of Programs that Were Implemented. The programs, which were implemented through 2001, have been effective but not to the extent for achievement of the 50% goal by the year 2000. As reported in the annual reports, the County has developed and implemented additional contingency, alternative, and new programs. They are identified in Table 6-10.

All selected educational and household hazardous waste management programs have been implemented. Significant changes, which have occurred regarding the implementation of diversion programs, involve "program expansion" and the mixed solid waste composting project. The County continues to build upon prior years' experience and the increasing support of the general public to increase diversion quantities.

Contingency Measures Planned to Ensure Compliance with PRC Section 41751. The primary contingency program being implemented is the mixed solid waste composting project. Expansion of existing programs (e.g., residential drop-off, inerts diversion, and business waste reduction) is being assessed to make contributions for increased diversion, as cited in the "goal achievement plan" submitted with the County's SB 1066 alternative diversion requirement request in early 2003.

The County continues to be concerned about the accuracy of diversion measurement and the resources required to achieve a level of accuracy sufficient to assess program effectiveness. County staff continues to work with CIWMB staff to evaluate options available for diversion measurement and program implementation. The County anticipates conducting a waste generation study in 2005 when scales will have been re-installed and the mixed solid waste composting project commences operation. The study will enhance awareness of the effectiveness of diversion programs and may be the basis for requesting a new base year.

PERMITTED DISPOSAL CAPACITY

The Mariposa County Landfill continues to have disposal capacity available for the solid waste generated but not diverted. Available capacity reported in the 2001 annual report by the County was approximately 32 years. The County recently updated landfill capacity to determine a more accurate estimate of remaining site life. The County believes that the current remaining permitted disposal capacity will be consumed in 8 years. The Countywide Siting Element (CSE) is kept current through the County's annual report and continues to be an applicable planning tool.

Table 6-10. Countywide Diversion Program Implementation in 2001 *

Diversion Program	Code	County
Xeri/Grasscycling	1000	Selected and ongoing.
Backyard Composting	1010	Selected and ongoing.
Business Waste Reduction	1020	Selected and ongoing.
Procurement	1030	Selected and ongoing.
School Source Reduction	1040	Possible new program; being considered for development.
Govt Source Reduction	1050	Selected and ongoing.
Material Exchange/Thrift	1060	Selected and ongoing.
Residential Curbside	2000	Not selected; determined to be infeasible.
Residential Drop-off	2010	Selected and ongoing
Buyback Centers	2020	Selected and ongoing
Commercial Onsite Pickup	2030	An alternative program; now implemented.
Commercial Self haul	2040	Selected and ongoing
Schools	2050	Selected and ongoing
Government Recycling	2060	Selected and ongoing
Special Collection/Seasonal	2070	Christmas trees; an alternative program; now implemented.
MRF	7000	A planned program for the future; now discontinued due to mixed SW composting project.
Landfill	7010	An alternative program; now being implemented.
ADC	7040	Under consideration as a new program.
Residential Curbside GWC	3000	Not selected; determined to be infeasible.
Residential GW Self haul	3010	Not selected; determined to be infeasible.
Government Composting	3060	Not selected; determined to be infeasible.
Compost Facility	7030	Selected; not implemented as initially conceived; facility expanded to receive more than green, yard, and wood waste; to process mixed SW.
Sludge	4010	Selected and ongoing
Tire Recycling	4020	Selected and ongoing
White Goods	4030	Selected and ongoing
Scrap Metal	4040	Selected and ongoing
Wood Waste	4050	Selected and ongoing
Concrete, Asphalt, Rubble	4060	An alternative program; now being implemented.
Disaster Debris	4070	An alternative program; now being implemented; first implemented in 1997 when the County experienced flood damage; no disasters occurred in 2000 and 2001.
Rendering	4090	An alternative program; now being implemented.
Other Special Wastes	4100	Selected and ongoing; diverts manure generated from horse stables in Yosemite National Park; used as a soil amendment on grazing lands.
Biomass/Cogeneration	8010	Possible new program in the future.
Other Transformation	8030	Selected program; now dropped due to minimal participation.

* Information obtained from CIWMB PARIS (8/25/03) and 2001 annual report.
The goals identified in the CSE are listed as:

- Goal Number 1. Mariposa County will strive to operate and maintain its solid waste disposal facilities to afford maximum protection of public health and to minimize any associated adverse environmental effects.
- Goal Number 2. Mariposa County will maintain solid waste collection and disposal systems, which are efficient, cost-effective and convenient for the public.
- Goal Number 3. To the extent feasible, Mariposa County will seek to maximize waste reduction, composting, and recycling in order to meet AB 939 diversion mandates and to reduce the amount of waste, which needs to be landfilled.
- Goal Number 4. Mariposa County will maintain adequate long-term landfill disposal capacity for those wastes, which cannot be diverted from the waste stream.
- Goal Number 5. Mariposa County will continue cost-effective operations of its solid waste handling systems in accordance with prudent financial management and sound long-term planning.
- Goal Number 6. As required by State law, Mariposa County will adopt this Countywide Siting Element.

These goals continue to be applicable. The policies stated in the CSE, which will be used to carry out stated goals, include:

- Policy Number 1. Operate the Mariposa County Landfill in accordance with its Solid Waste Facility Operating Permit and in compliance with applicable regulatory requirements of the CIWMB and the Regional Water Quality Control Board.
- Policy Number 2. Operate the Mariposa County Landfill in full accord with local land use policies and the Mariposa County General Plan.
- Policy Number 3. Continue on-going environmental monitoring and reporting programs, as required by State law, to ensure environmental protection.
- Policy Number 4. Maintain and expand cost-effective waste diversion programs. Continue programs to provide residents with reasonable, convenient, cost-effective disposal options for hazardous waste materials.
- Policy Number 5. Evaluate innovative programs, which may increase the efficiencies of existing solid waste diversion operations.

A siting criteria was developed and a siting process was described in the CSE, as required by the regulations. Both are still applicable.

AVAILABLE MARKETS

Markets for recoverable materials have fluctuated and strained diversion program implementation. Recoverable materials are accumulated in sufficient quantities for transport to distant markets.

IMPLEMENTATION SCHEDULE

Changes in the implementation schedule have occurred but have not significantly affected the ability of the County to achieve diversion results. The annual reports submitted by the County have updated the status of program implementation.

OTHER ISSUES

The Local Task Force has been reconstituted. The LTF now meets periodically to monitor countywide diversion performance, provide assistance and public input for the development of the mixed solid waste composting facility, and to provide useful input for the pursuit of AB 939 compliance strategies. The LTF recently convened to review the proposed amendment to the Nondisposal Facility Element. Most of the selected and contingent programs have been and are continuing to be implemented. Although some programs have been revised, overall program implementation has been discussed in the annual reports and the CIWMB PARIS has been kept updated. The County will continue to monitor evolving compliance issues and report at least every six months on the status of the implementation of its SB 1066 alternative diversion requirement "goal achievement plan". The ADR approved is for a diversion goal of 33% by December 31, 2004.

The County feels that the most effective allocation of available resources at this time is to continue to utilize the existing CIWMP and SB 1066 reporting activity as planning tools, augmented by the annual reports. Countywide resources are best directed toward the development and implementation of programs rather than revising current planning documents at this time. Where feasible and practical, increased efforts may be directed to quantifying (or estimating) diversion tonnages for implemented programs and recoverable materials. The County will update its annual report yearly to reflect current performance and identify any changes desired in program selection and implementation.

CHAPTER 7.0 SUPPLEMENTARY INFORMATION

In this section on the following pages are included the cited correspondence, regulatory requirements, and reports.

Appendix A - Relevant Public Resource Code Sections

Appendix B - July 21, 2000 CIWMB Letter and Applicable CCR Section 18788

Appendix C - LTF Membership

Appendix D - August 25, 2003 Outline of Presentation to LTF

Appendix E - LTF Comment Letter on CIWMP Review

APPENDIX A. RELEVANT PUBLIC RESOURCE CODE SECTIONS

The requirement for periodic review by jurisdictions of the CIWMP is included in PRC Sections 41822 and 41770. The review requirement references PRC Sections 40051, 40052, 41751, and 41780. The verbatim text of all of these sections is included below.

PRC Section 41822

Each city, county, or regional agency shall review its source reduction and recycling element or the countywide integrated waste management plan at least once every five years to correct any deficiencies in the element or plan, to comply with the source reduction and recycling requirements established under Section 41780, and to revise the documents, as necessary, to comply with this part. Any revision made to an element or plan pursuant to this section shall be submitted to the board for review and approval or disapproval pursuant to the schedule established under this chapter.

PRC Section 41770

(a) Each countywide or regional agency integrated waste management plan, and the elements thereof, shall be reviewed, revised, if necessary, and submitted to the board every five years in accordance with the schedule set forth under Chapter 7 (commencing with Section 41800).

(b) Any revisions to a countywide or regional agency integrated waste management plan, and the elements thereof, shall use a waste disposal characterization method that the board shall develop for the use of the city, county, city and county, or regional agency. The city, county, city and county, or regional agency shall conduct waste disposal characterization studies, as prescribed by the board, if it fails to meet the diversion requirements of Section 41780, at the time of the five-year revision of the source reduction and recycling element.

(c) The board may review and revise its regulations governing the contents of revised source reduction and recycling elements to reduce duplications in one or more components of these revised elements.

PRC Section 41780

(a) Each city or county source reduction and recycling element shall include an implementation schedule that shows both of the following:

(1) For the initial element, the city or county shall divert 25 percent of all solid waste from landfill disposal or transformation by January 1, 1995, through source reduction, recycling, and composting activities.

(2) Except as provided in Sections 41783, 41784, and 41785, for the first and each subsequent revision of the element, the city or county shall divert 50 percent of all solid waste on and after January 1, 2000, through source reduction, recycling, and composting activities.

(b) Nothing in this part prohibits a city or county from implementing source reduction, recycling, and composting activities designed to exceed these requirements.

PRC Section 40051

In implementing this division, the board and local agencies shall do both of the following:

- (a) Promote the following waste management practices in order of priority:
 - (1) Source reduction.
 - (2) Recycling and composting.
 - (3) Environmentally safe transformation and environmentally safe land disposal, at the discretion of the city or county.

- (b) Maximize the use of all feasible source reduction, recycling, and composting options in order to reduce the amount of solid waste that must be disposed of by transformation and land disposal. For wastes that cannot feasibly be reduced at their source, recycled, or composted, the local agency may use environmentally safe transformation or environmentally safe land disposal, or both of those practices.

PRC Section 40052

The purpose of this division is to reduce, recycle, and reuse solid waste generated in the state to the maximum extent feasible in an efficient and cost-effective manner to conserve water, energy and other natural resources, to protect the environment, to improve regulation of existing solid waste landfills, to ensure that new solid waste landfills are environmentally sound, to improve permitting procedures for solid waste management facilities, and to specify the responsibilities of local governments to develop and implement integrated waste management programs.

PRC Section 41751

The countywide integrated waste management plan shall include a summary of significant waste management problems facing the county or city and county. The plan shall provide an overview of the specific steps that will be taken by local agencies, acting independently and in concert, to achieve the purposes of this division. The plan shall contain a statement of the goals and objectives set forth by the countywide task force created pursuant to Chapter 1 (commencing with Section 40900).

**APPENDIX B. JULY 21, 2000 CIWMB LETTER
AND APPLICABLE CCR SECTION 18788**

A copy of the July 21, 2000 correspondence regarding the "Five-Year Revision Process" sent to all city/county contacts from Ms. Cara Morgan, Acting Branch Manager, Office of Local Assistance, CIWMB is included in this appendix. Presented below is the verbatim text of the applicable section of the CCR.

CCR Section 18788. Five-Year Review and Revision of the Countywide or Regional Agency Integrated Waste Management Plan.

(a) **CIWMP or RAIWMP Review.** Prior to the fifth anniversary of Board approval of a CIWMP or RAIWMP, or its most recent revision, the LTF shall complete a review of the CIWMP or RAIWMP in accordance with Public Resources Code Sections 40051, 40052, and 41822, to assure that the county's and regional agency's waste management practices remain consistent with the hierarchy of waste management practices defined in Public Resources Code, Section 40051.

(1) Prior to the fifth anniversary of Board approval of the CIWMP or RAIWMP, the LTF shall submit written comments on areas of the CIWMP or RAIWMP, which require revision, if any, to the county or regional agency and the Board.

(2) Within 45 days of receiving LTF comments, the county or regional agency shall determine if a revision is necessary, and notify the LTF and the Board of its findings in a CIWMP or RAIWMP Review Report.

(3) When preparing the CIWMP or RAIWMP Review Report the county or regional agency shall address at least the following:

- (A) changes in demographics in the county or regional agency;
- (B) changes in quantities of waste within the county or regional agency;
- (C) changes in funding sources for administration of the Siting Element and Summary Plan;
- (D) changes in administrative responsibilities;
- (E) programs that were scheduled to be implemented but were not, a statement as to why they were not implemented, the progress of programs that were implemented, a statement as to whether programs are meeting their goals, and if not what contingency measures are being enacted to ensure compliance with Public Resources Code section 41751;
- (F) changes in permitted disposal capacity, and quantities of waste disposed of in the county or regional agency;
- (G) changes in available markets for recyclable materials; and
- (H) changes in the implementation schedule.

(4) Within 90 days of receipt of the CIWMP or RAIWMP Review Report, the Board shall review the county's or regional agency's findings, and at a public hearing, approve or disapprove the

county's or regional agency's findings. Within 30 days of its action, the Board shall send a copy of its resolution, approving or disapproving the county's or regional agency's findings, to the LTF and the county or regional agency. If the Board has identified additional areas that require revision, the Board shall identify those areas in its resolution.

(b) CIWMP or RAIWMP Revision. If a revision is necessary the county or regional agency shall submit a CIWMP or RAIWMP revision schedule to the Board.

(1) The county or regional agency shall revise the CIWMP or RAIWMP in the areas noted as deficient in the CIWMP or RAIWMP Review Report and/or as identified by the Board.

(2) The county or regional agency shall revise and resubmit its CIWMP or RAIWMP pursuant to the requirements of sections 18780 through 18784 of this article.

(c) The county shall submit all revisions of its CIWMP to the Board for approval. The revised CIWMP shall be reviewed pursuant to the requirements of sections 18784 through 18786 of this article.

(d) The regional agency shall submit all revisions of its RAIWMP to the Board for approval. The revised RAIWMP shall be reviewed pursuant to the requirements of sections 18784 through 18786 of this article.

Note: *Authority: Section 40502 of the Public Resources Code.*

Reference: *Sections 40051, 40052, 41750, 41760, 41770, & 41822 of the Public Resources Code*



California Integrated Waste Management Board



Linda Moulton-Patterson, Chair

8800 Cal Center Drive • Sacramento California 95826 • (916) 255-2200

www.ciwmb.ca.gov

Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

July 21, 2000

*This letter was also sent
to all City/County contacts.*

Jim Greco
County of El Dorado
PO Box 5177
El Dorado Hills, CA 95762

Re: FIVE-YEAR REVISION PROCESS

The purpose of this letter is to clarify the Board's oversight of the five-year revision process. The Board previously sent notification to jurisdictions on October 30, 1998 regarding the Board's oversight of the 5-year revision process. While still maintaining the integrity and intent of AB 939, the Board is also very interested with assisting jurisdictions in the development of efficient and effective planning and reporting processes.

Existing law (PRC Section 41770) states that "each countywide or regional agency integrated waste management plan, and the elements thereof, shall be reviewed, revised, if necessary, and submitted to the Board every five years in accordance with the schedule set forth under Chapter 7 (commencing with Section 41800)." The following items provide specific information regarding the five-year revision process.

- Title 14 of the California Code of Regulations, Sections 18788 provides that the five-year revision schedule is calculated from the date of Board approval of the original Countywide Integrated Waste Management Plan and all its elements, not the approval dates of the individual elements;
- *CCR*
PRC Section 18788 provides that prior to the fifth anniversary of Board approval of a countywide or regional agency integrated waste management plan (CIWMP or RAIWMP), or its most recent revision, the Local Task Force (LTF) shall complete a review of the CIWMP or RAIWMP in accordance with PRC Sections 40051, 40052, and 41822, to assure that the county's and regional agency's waste management practices remain consistent with the hierarchy of waste management practices defined in PRC Section 40051. The LTF shall submit written comments on areas of the CIWMP or RAIWMP, which require revision, if any, to the county or regional agency and the Board.

- Submittal of a five-year revision is only required if either the Board or the jurisdiction determines that a revision would be necessary "to correct any deficiencies in the element or plan, [and] to comply with the source reduction and recycling requirements established under Section 41780" as required by PRC Section 41822. The Board's Legal staff has determined that jurisdictions can utilize their Annual Reports to the Board to update program information where it has been determined that a revision is not necessary. In addition to the updates in the Annual Report, the LTF comments and the CIWMP/RAIWMP Review Report should be included.
- Jurisdictions that have determined that a five-year revision is necessary may include the revision under cover of the existing Annual Report document that is to be submitted to the Board for that year. The procedures set forth in 14 CCR 18788 must still be complied with before the Board can consider approval of the five-year revision document.

We hope this clarifies any questions you may have regarding the five-year revision process. If you have any questions regarding this process, please feel free to contact your Office of Local Assistance representative at (916) 255-2555.

Sincerely,

Cara Morgan

Cara Morgan, Acting Branch Manager
Office of Local Assistance

Attachment

APPENDIX C. LTF MEMBERSHIP

The membership appointments as of August 25, 2003 to the Mariposa County AB 939 Local Task Force are identified below.

1. Doug Balmain, Supervisor, District II, Mariposa County Board of Supervisors
2. Garry Parker, Supervisor, District IV, Mariposa County Board of Supervisors
3. Jim Petropulos, Public Works Director, Mariposa County
4. Steve Engfer, Solid Waste and Recycling Manager, Mariposa County
5. Brian Hodge, Mariposa County Health Department/Local Enforcement Agency
6. Mark Gallagher, Delaware North Incorporated, Formerly YCS
7. Tony Brochini, National Park Services
8. Fred Youngren, Total Waste Systems, Inc., Contractor, Landfill Operations Manager
9. Jim Thompson, Public Member

Mr. Engfer coordinates the meetings of the LTF.

**APPENDIX D. AUGUST 25th AND OCTOBER 29th, 2003
LTF MEETING INFORMATION**

The Mariposa County Local Task Force met on August 25th and October 29th in 2003 for the purpose of reviewing the CIWMP and whether a revision is warranted.

Copies of the meeting announcements, agendas, and discussed materials are included in this appendix.

COUNTY of MARIPOSA

James J. Petropulos
Director

4639 Ben Hur Road
Mariposa, CA 95338
Phone: (209) 966-5356
Fax: (209) 966-2828
sengfer@mariposacounty.org

August 8, 2003

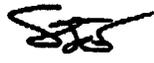
DEPARTMENT OF PUBLIC WORKS

Divisions of:

Administration
Cemeteries
Design & Construction
Facilities
Roads
Transportation

Airport
County Surveyor
Engineering
Parks & Rec.
Solid Waste
Fleet Maintenance

TO: Mariposa County AB 939 Local Task Force Members

FROM: Steve Engfer, Solid Waste Manager 

SUBJECT: First meeting of the AB 939 Local Task Force

We appreciate your willingness to serve on the Mariposa County AB 939 Local Task Force (LTF). Please note that the first meeting for the LTF is proposed for August 25, 2003 at 9 am in the Development Services Conference Room located in the County Government Center at 5100 Bullion Street, Mariposa Ca. (This is located downstairs from the Board of Supervisors Chambers).

Assembly Bill 939 created the Integrated Waste Management Act, referred to as AB 939. This law requires that every county establish a local task force to advise the county on solid waste management needs and issues. Additionally, specific tasks are identified for a county's LTF. One of these tasks is to review the Countywide Integrated Waste Management Plan (CIWMP) every five years. The Mariposa County CIWMP Five Year Review is due this year. The County has hired a consultant, California Waste Associates, which has assisted the first three counties which have had their CIWMP Five-Year Review Report approved by the California Integrated Waste Management Board (CIWMB). The three counties are El Dorado, Tuolumne, and Yolo.

Jim Greco, California Waste Associates, will provide an overview of the review process and the LTF role in the review process at our meeting. Please find attached some background material for your perusal prior to the meeting, namely:

- A fact sheet titled "Role of Local Task Force" prepared by the CIWMB;
- A summary paper which explains "What Is a CIWMP?" prepared by Jim Greco; and
- "Minimum Content Requirements for the CIWMP Five-Year Review Report" also prepared by Mr. Greco.

The AB 939 planning documents which comprise Mariposa County's CIWMP include:

- 1) Source Reduction and Recycling Element;
- 2) Household Hazardous Waste Element
- 3) Nondisposal facility Element;
- 4) Countywide Siting Element; and
- 5) Summary Plan.

If you are interested in seeing copies of these documents prior to the meeting, please call Steve Engfer at 966-5356. Two reference copies will be available at the meeting. A suggested agenda for the meeting is also enclosed. We look forward to seeing you on August 25, 2003.

MARIPOSA COUNTY AB 939 LOCAL TASK FORCE MEETING

When?: 9:00 AM August 25, 2003

**Where?: Development Services Conference Room
5100 Bullion Street
Mariposa CA 95338**

Agenda

I. INTRODUCTIONS

II. ROLE OF THE MARIPOSA COUNTY AB 939 LOCAL TASK FORCE

III. RESPONSIBILITIES OF THE LTF

IV. MARIPOSA COUNTY CIWMP FIVE-YEAR REVIEW

- **Statutory Requirement**
- **Status of Other County Reviews**
- **Plans for Mariposa County CIWMP Five-Year Review**
- **CIWMB Role**
- **Schedule**

V. OTHER FUTURE LTF BUSINESS

VI. NEXT MEETING

VII. ADJOURN

What is a CIWMP?

CIWMP stands for Countywide Integrated Waste Management Plan. It is not a document but rather a collection of plans for each of the cities in a county and the county unincorporated area for complying with AB 939.

The CIWMP includes the:

- Source Reduction and Recycling Element (SRRE);
- Nondisposal Facility Element (NDFE); and
- Household Hazardous Waste Element (HHWE)

for *each city* and the *county unincorporated area*. The CIWMP also includes the:

- Countywide Siting Element (CSE); and
- Summary Plan (SP).

Together, these plans comprise the CIWMP.

The CSE is a county-prepared plan to demonstrate that there is either 15 years of disposal capacity available for all waste to be disposed within the county or a strategy demonstrating how a county will ensure 15 years of disposal capacity (e.g., by utilizing out-of-county landfills). The CSE also identifies the process and criteria for siting and permitting new disposal sites.

The Summary Plan is a summary document, prepared by the county, of countywide demographics and the administration, implementation, and funding of all programs selected by all the jurisdictions within a county for fulfilling the goals of AB 939. The SP is essentially a summary of the CIWMP.

AB 939 requires each city and county to review its plans at least once every five years.

This review starts with the county local task force reviewing the plans, which comprise the CIWMP and submitting written comments on areas of the CIWMP, which require revision. These written comments are to be submitted to the county and the California Integrated Waste Management Board (CIWMB).

Minimum Content Issues for CIWMP Five-Year Review Report

Pursuant to CCR Section 18788, when preparing the CIWMP Five-Year Review Report, the County shall address at least:

- (A) Changes in demographics in the county or regional agency;
- (B) Changes in quantities of the waste within the county or regional agency;
- (C) Changes in funding sources for administration of the countywide Siting Element and Summary Plan;
- (D) Changes in administrative responsibilities;
- (E) Programs that were scheduled to be implemented but were not, a statement as to why they were not implemented, the progress of programs that were implemented, a statement as to whether programs are meeting their goals, and, if not, what contingency measures are being enacted to ensure compliance with PRC 41751;
- (F) Changes in permitted disposal capacity and quantities of waste disposed of in the county or regional agency;
- (G) Changes in available markets for recyclable materials; and
- (H) Changes in the implementation schedule

ROLE OF LOCAL TASK FORCE

Two Major Functions:

1. Advisory

- Identify Countywide and Regional Waste Management Issues
- Determine Regional Needs for Solid Waste Collection, Systems, Processing Facilities, and Market Strategies
- Aid in Resolution of Conflicts Among Planning Documents
- Provide Guidance on SRRE, HHWE, NDFE, SE, and SF Preparation

2. Review

- Review Preliminary Drafts
- Review Final Drafts Prior to Local Adoption
- Five-year Review
- 2296 Review for SW facility permits within County

Statutory Guidance, Public Resources Code (PRC) section 40950
See Attached p. 53 of 1996 Statute Book

ROLE OF LOCAL ASSISTANCE

Statutory Guidance from PRC section 40910.

"The Board shall establish...an office of local government assistance. The office shall, to the maximum extent feasible...assist local agencies in the preparation, modification, and implementation of integrated waste management plans."

Three Major Roles:

1. Provide Assistance
2. Review Plans
3. Develop Regulations

Assistance Role:

- Assistance to LTFs and Jurisdictions on Statutory and Regulatory Requirements
- Refer Jurisdictions and LTFs to Appropriate Board Staff for Technical Assistance
- Provide updates on new legislation, upcoming events, available grants, and new solutions to solid waste management problems

AUGUST 25, 2003 OUTLINE OF PRESENTATION TO LTF

“Mariposa County CIWMP Five-Year Review”

1. Overview of Statutory Requirement and Process

- Local Task Force (SWAC) Review by 5th Year Anniversary with Any Comments to County and CIWMB (5/27/03)
- County “CIWMP Review Report” to LTF and CIWMB within 45 days of LTF Recommendation
- CIWMB Review of “CIWMP Review Report” within 90 days to review and approve or disapprove of County’s findings

2. Only 7 CIWMP Reviews Have Been Approved Thus Far (El Dorado County was the 1st on 4/24/01); 31 were due by April 2003.

3. CIWMB Policy has been expressed in July 21, 2000 letter sent to all jurisdictions by Cara Morgan, which states:

“Submittal of a five-year revision is only required if either the Board or the jurisdiction determines that a revision would be necessary ‘to correct any deficiencies in the element or plan, to comply with the source reduction and recycling requirements established under section 41780’ as required by PRC Section 41822. The Board’s Legal staff has determined that jurisdictions can utilize their Annual Reports to the Board to update program information where it has been determined that a revision is not necessary. In addition to the updates in the Annual Report, the LTF comments and the CIWMP Review Report should be included.”

4. Meaning of the Term “Revision” – Requires CEQA Review and a Public Review Process with Actions Required by Resolution by the Board of Supervisors

5. Next Steps

COUNTY of MARIPOSA



James J. Petropulos
Director

4639 Ben Hur Road
Mariposa, CA 95338
Phone: (209) 966-5356
Fax: (209) 966-2828
sengfer@mariposacounty.org

October 25, 2003

DEPARTMENT OF PUBLIC WORKS

Divisions of:

Administration
Cemeteries
Construction
Facilities
Roads
Transportation

Airport
County Surveyor Design & Engineering
Parks & Rec.
Solid Waste
Fleet Maintenance



TO: Mariposa County AB 939 Local Task Force Members

FROM: Steve Engfer, Solid Waste Manager

SUBJECT: Second meeting LTF - Five-Year Review – Countywide Integrated Waste Management Plan

As you are aware, our next meeting is scheduled for Wednesday, October 29th, at 9:00 a.m. located at the County Library in the meeting room. The library is directly across from the County Courthouse and the address is 4978 10th Street, Mariposa.

When we met in August, we requested that Jim Greco, the consultant assisting us with the five-year review of the Countywide Integrated Waste Management Plan (CIWMP), and to review the elements of the plan. He was asked to identify whether the documents, which comprise the CIWMP, are still applicable. Those documents are:

- Nondisposal Facility Element (NDFE)
- Source Reduction and Recycling Element
- Household Hazardous Waste Element
- Countywide Siting Element
- Summary Plan

Please find attached Mr. Greco's summary comments on each document. Please review his comments.

Staff has met with CIWMB staff to obtain a better insight from CIWMB staff about the detailed information which may be required if we revise any of the plan elements.

Also, we have asked Mr. Greco to prepare the required paperwork for amending the NDFE. This amendment will be necessary to obtain all required permits for the mixed waste composting facility.

We plan to report on these developments at our October 29th meeting and look forward to seeing you at that time.

MARIPOSA COUNTY AB 939 LOCAL TASK FORCE MEETING

When?: 9:00 AM October 29, 2003

**Where?: Mariposa Library Conference Room
4978 10th Street, Mariposa CA 95338**

Agenda

I. INTRODUCTIONS

II. REVIEW FINDINGS AND RECOMMENDATIONS

III. TASK FORCE RECOMMENDATIONS

IV. TIMELINES

V. OTHER FUTURE LTF BUSINESS

VI. NEXT MEETING

VII. ADJOURN

**REVIEW OF MARIPOSA COUNTY AB 939 PLANNING DOCUMENTS FOR
CONSISTENCY WITH CURRENT PLANNING
(October 2003)**

(This review summary was prepared and sent to the LTF prior to the October 29th meeting. Many comments were made at the meeting, which are noted in this revised review paper, which was reprinted to include the LTF comments. The LTF comments are identified by bold, italicized font – bracketed by parentheses).

NONDISPOSAL FACILITY ELEMENT (NDFE)

The NDFE identifies two proposed facilities, namely:

- 1) A mixed municipal solid waste recovery facility to be located at the Mariposa County landfill expected to process approximately 7,500 tons per year (tpy) of mixed solid waste with a diversion rate between 10-15%; and
- 2) A green/yard/wood waste composting facility also to be located at the Mariposa County Landfill expected to process 1,000 tpy of green, yard, and wood waste providing an overall diversion rate of approximately 4%.

The proposed mixed waste composting facility differs from the NDFE proposed descriptions, as follows:

- The expected material received is mixed solid waste and not green, yard, and wood waste only;
- The facility is expected to receive up to 14,600 tpy; and
- Its expected diversion rate is much greater than 4% achieving at least 30% and possibly realizing over 60% diversion.

(On 10/29/03 the LTF suggested that the information provided above about the proposed mixed waste composting facility be checked for consistency with the package prepared for the U. S. Department of Agriculture and other print materials about the project.)

Consequently, the NDFE should be amended and this would support (but may or may not require) a revision of the Countywide Integrated Waste Management Plan.

(On 10/29/03 the LTF suggested that the NDFE be amended.)

SOURCE REDUCTION AND RECYCLING ELEMENT (SRRE)

The SRRE is still a usable planning document. However, it can be better organized to address the required planning aspects required by the AB 939 regulations. The SRRE contains various sections. Comments are noted by section.

Executive Summary

A new waste characterization study (WCS) was conducted by IRI for the compost project since the WCS, which is included in the SRRE. The new WCS should be included as an update for the SRRE.

Chapter 1, Introduction and Element Goals and Objectives

The goals identified are still applicable, namely:

- Maximize source reduction and recycling;
- Extend the life of the Mariposa Landfill; and
- Maximize public involvement.

The summary of diversion achieved through each component needs to be updated. It is inconsistent with other parts of the SRRE and, as initially written, targeted a large amount of diversion (about 32%) from activities existing in the early to mid 1990's. Also, the proposed mixed municipal solid waste processing facility targets 10% diversion by 2000. This facility is no longer being pursued. The facility identified for composting is described as a landfill brush and yard composting facility with an expected contribution of 4% diversion.

This section should be updated.

Chapter 2, Solid Waste Generation Component

The waste disposal composition data presented in this section is outdated and can be updated with the results of the IRI WCS.

The County's base year is 1990, when it estimated the amount of waste diverted, disposed, and generated. If the County chose to change its base year, it would have to prepare a waste generation study. Much of the data needed to prepare a WGS was compiled for the County's SB 1066 request, which was approved by the CIWMB in January 2003. The County should consider updating its base year to a more current year (e.g., 2002, 2003) in order to establish a more accurate base year for its diversion rate calculations.

(On 10/29/03 the LTF suggested that a waste generation study definitely be done to establish a more accurate base year for diversion rate measurement.)

Chapter 3, Source Reduction Component

The purpose of this section is to select source reduction programs for implementation. The selected programs include:

- Grasscycling
- Backyard composting
- Business waste reduction

- Procurement (to purchase products with recycled content)
- Government source reduction
- Material exchange facilities (e.g., thrift stores, reuse centers)

The programs selected by the County have been updated and reported on in its annual reports. Although this chapter may be cleaned up and made more concise, it does not warrant a revision.

Chapter 4, Recycling Component

The purpose of this section is to select recycling programs for implementation. The selected programs include:

- Residential drop-off
- Residential buy-back
- Commercial onsite pickup
- Commercial self-haul
- School recycling programs
- Government recycling programs
- Special collection seasonal recycling programs (e.g., Christmas trees chipped at the landfill)

The programs selected by the County have been updated and reported on in its annual reports. Although this chapter may be cleaned up and made more concise, it does not warrant a revision.

Chapter 5, Composting Component

The purpose of this section is to select composting programs for implementation. The selected programs included:

- Residential self-haul green waste (to the landfill)
- Government composting programs

The programs selected by the County have been updated and reported on in its annual reports.

As initially written, the chapter is inconsistent with current planning and implementation. There is a comment on page 5-3, which states that the County will "consider expanding composting activities consisting of mixed waste, which includes food and other organic materials if monitoring and evaluation indicates inadequate progress towards State-mandated goals by January 1998".

Also, the following statement is included on page 5-15:

"Although mixed waste composting is not selected for implementation at this time, Mariposa County will consider re-evaluation of this alternative in the event progress is not being met."

This chapter can be cleaned up and made more current. However, since the annual reports have updated this component, it can be argued that a revision is not necessary.

(On 10/29/03 the LTF suggested that this section definitely needs to be updated to reflect current program planning for the mixed solid waste composting project.)

Chapter 6, Special Waste Component

The purpose of this section is to select diversion programs focused on special wastes for implementation. No selected programs were identified. However, the SRRE has been updated through annual reporting and updating the Planning Annual Report Information System (PARIS) by the CIWMB. The currently selected programs include:

- Sludge
- Tires
- White goods
- Scrap metals
- Wood waste
- Concrete/asphalt/rubble
- Disaster debris diversion

Although this chapter may be cleaned up, and made more concise and complete, it does not warrant a revision.

Chapter 7, Education and Public Information Component

This chapter provides useful and appropriate information about public information programs targeting residents, businesses, government agencies, and schools. Furthermore, the annual reports and PARIS have updated these activities. There does not appear to be a compelling reason to revise this chapter.

(On 10/29/03 LTF suggested that acknowledgement be provided that the proposed composting facility will include an education/visitor center.)

Chapter 8, Solid Waste Disposal Facility Component

The purpose of this chapter is to identify if the County has disposal capacity in-county available for at least the next 15 years. If not, the County must demonstrate that it has a strategy and/or access to available disposal capacity out-of-county for its waste disposal needs for at least 15 years. This section has been updated through the County's annual reports and does not need to be revised.

Chapter 9, Funding Component

This chapter provides useful background information. It estimated the costs of implementing SRRE programs by year through 2000. Revenue sources were also identified as:

- Landfill gate fees; and
- Contributions from the Mariposa County Enterprise Fund.

This chapter should be updated by included information in the County's next annual report. A revision does not appear to be warranted.

Chapter 10, Integration Component

This chapter provides useful background information but it does not appear to be cost-effective to revise this chapter. The annual reports have reported on the integration and collective contribution implemented programs have made to the County's overall diversion rate.

HOUSEHOLD HAZARDOUS WASTE ELEMENT

This element states objectives, describes existing conditions (as of 1990), addresses alternative programs for managing household hazardous waste (HHW), and identifies selected programs for implementation.

The County has updated its plan for HHW management through the annual reports. Selected and continuing programs include:

- Permanent HHW collection facility; and
- Education programs.

Additional selected programs described in the element include:

- Load checking at the landfill and transfer stations
- Used oil collection
- Paint reuse

However, these programs are not noted in the annual reports or PARIS. They should be included in the next annual report.

(On 10/29/03 LTF suggested that e-waste collection opportunities be included in the programs offered for residents.)

This element does not need to be revised.

SITING ELEMENT

The stated goals in this element are still applicable, namely:

- 1) Mariposa County will strive to operate and maintain disposal facilities to afford maximum protection of public health and to minimize any associated adverse environmental effects;

- 2) Mariposa County will maintain solid waste collection and disposal systems which are efficient, cost-effective and convenient for the public;
- 3) To the extent feasible, Mariposa county will seek to maximize waste reduction, composting, and recycling in order to meet AB 939 diversion mandates and to reduce the amount of waste which needs to be landfilled; and
- 4) Mariposa County will maintain adequate long-term landfill disposal capacity for those wastes, which cannot be diverted from the waste stream.

The remaining site life for the landfill is stated in the element as 84 years. However, the annual reports have updated this estimate.

(On 10/29/03 LTF suggested that this be corrected. Remaining site life is much less.)

The siting criteria and process for consideration of another disposal site is still applicable.

The element does not need to be revised.

SUMMARY PLAN

The Summary Plan states goals, policies, and objectives. They are still applicable. The County profile and plan administration are still relatively accurate. Other chapters of the element have been updated through the annual reports. A revision of the document does not appear to be necessary.

APPENDIX E - LTF COMMENT LETTER ON CIWMP REVIEW

COUNTY of MARIPOSA



AB939 LOCAL TASK
FORCE

October 30, 2003

2003 CIWMP REVIEW

Members

Jim Thompson	Doug Balmain
Jim Petropulos	Garry Parker
Mark Gallagher	Tony Brochini
Fred Youngren	Brian Hodge

Staff:	Steve Engfer
Consultant:	Jim Greco

Mr. Steve Engfer, Solid Waste & Recycling Manager
Department of Public Works
Mariposa County
4639 Ben Hur Road
Mariposa, California 95338

Subject: Five-Year Review of the Countywide Integrated Waste Management Plan (CIWMP)

Dear Mr. Engfer:

The Mariposa County Local Task Force (LTF), which serves as the County's AB 939 Local Task Force, completed the review of the CIWMP as required by Public Resources Code Section 41770 and Title 14 of the California Code of Regulations (Section 18788).

The goals, objectives, and policies in the elements remain accurate and applicable. The planning documents which comprise the CIWMP continue to serve as useful background and reference documents while the annual reports submitted by the County have provided updated information concerning the status of program implementation on a yearly basis. However, the Nondisposal Facility Element shall be amended to include the updated information describing the mixed waste composting facility. Additionally, the County should consider updating the Source Reduction and Recycling Element (SRRE) as plans for operation of the mixed waste composting facility materialize. An updated SRRE can enhance public awareness and support for the County's achievement of the 50% diversion goal.

Because recent updated information has been provided in the annual reports and the development and implementation of selected and alternative programs are continuing, the LTF feels that it is not necessary to revise the elements of the CIWMP at this time. The status of selected programs has been adequately described in the CIWMB Planning Annual Report Information System (PARIS), which has been included in the annual reports. It is recommended that the format for the year 2002 and subsequent annual reports continue to include updates of program implementation.

If you have any questions, please contact me. Thank you.

Sincerely,

Handwritten signature of Mark Gallagher in cursive script.

Mark Gallagher, LTF Representative

cc Natalie Lee, CIWMB
Jim Greco, California Waste Associates