



DATE: August 10, 2023

TO: Recycling Board

FROM: Emily Alvarez, Program Manager

SUBJECT: CalRecycle Five-Year Review of the Alameda County Integrated Waste Management Plan (CoIWMP)

SUMMARY

Every five years, CalRecycle requests a review report be submitted indicating whether the Countywide Integrated Waste Management Plan (CoIWMP) needs to be updated. The WMA adopted Alameda County’s initial CoIWMP in 1998, and most recently approved a comprehensive update of the Countywide Element in 2020.

In response to this request, staff evaluated the 2020 Countywide Element and most recent Electronic Annual Reports (EARs) to review current conditions. Staff has determined that no changes are needed at this time. Therefore, the draft Five-Year Review Report (Attachment A) to be submitted to CalRecycle affirms the CoIWMP’s required alignment with State and local diversion goals and minimum of 15 years of landfill capacity.

As part of the submittal process, CalRecycle requires that the Recycling Board, acting as the Local Task Force (LTF), review and comment on the Five-Year Review Report before submittal.

BACKGROUND

A CoIWMP document includes five components:

- Countywide Siting Element
- Summary Plan
- Source Reduction and Recycling Element (SRRE)
- Household Hazardous Waste Element (HHWE)
- Non-Disposal Facility Element (NDFE)

The WMA is responsible for the adoption and maintenance of the Countywide Siting Element and Summary Plan, referred to collectively as the “Countywide Element.” Each member agency is responsible for preparing and updating the other elements for its jurisdiction. These updates are reported as part of the CalRecycle Electronic Annual Report (EAR) process.

Public Resources Code (PRC) Sections 41770 and 41822, and Title 14, California Code of Regulations (CCR) Section 18788, require that each countywide or regional agency integrated waste management plan, and the elements thereof, be reviewed, revised if necessary, and submitted to the Department of Resources Recycling and Recovery (CalRecycle) every five years.

DISCUSSION

Staff has completed the Five-Year Review Report template developed by CalRecycle (Attachment A). The most recent Countywide Element adopted in 2020 established the WMA's long-term goal of landfill obsolescence by 2045, which remains unchanged. In the CoIWMP, the WMA must demonstrate a minimum of 15 years of landfill capacity. It was estimated in the 2020 Countywide Element that the County had over 30 years of landfill capacity. Since this calculation, the Vasco Road Landfill has applied for expansion of their facility which would provide additional County landfill capacity. The WMA has made several administrative updates to the Countywide Element since 2020 to include proposed new or expanded facilities in the county.

Staff has also reviewed the most recent EARs for all member agencies (FY 21-22). None of the EARs cite a need for an update to any of the SRREs or HHWEs. The City of Oakland was the only jurisdiction to update their NDFE to include the approved new California Waste Solutions North Gateway Recycling Facility.

For these reasons, as well as stable demographics in Alameda County, WMA staff believes that an update to the CoIWMP is not necessary at this time. WMA staff anticipate updating the Countywide Element in 2025 after completion of the current Waste Characterization Study.

RECOMMENDATION

Staff recommends that the Recycling Board review the attached Five-Year Review Report and provide comments (if any).

Attachments:

Attachment A: Alameda County Five-Year Review Report of the Alameda County Integrated Waste Management Plan (CoIWMP)

Five-Year CIWMP/RAIWMP Review Report Template

Public Resources Code (PRC) Sections 41770 and 41822, and Title 14, California Code of Regulations (CCR) Section 18788 require that each countywide or regional agency integrated waste management plan (CIWMP or RAIWMP), and the elements thereof, be reviewed, revised if necessary, and submitted to the Department of Resources Recycling and Recovery (CalRecycle) every five years. CalRecycle developed this Five-Year CIWMP/RAIWMP Review Report template to streamline the Five-Year CIWMP/RAIWMP review, reporting, and approval process.

A county or regional agency may use this template to document its compliance with these regulatory review and reporting requirements and as a tool in its review, including obtaining Local Task Force (LTF) comments on areas of the CIWMP or RAIWMP that need revision, if any. This template also can be finalized based on these comments and submitted to CalRecycle as the county or regional agency’s Five-Year CIWMP or RAIWMP Review Report.

The [Five-Year CIWMP/RAIWMP Review Report Template Instructions](#) describe each section and provide general guidelines with respect to preparing the report. Completed and signed reports should be submitted to the CalRecycle's Local Assistance & Market Development (LAMD) Branch at the address below. Upon report receipt, LAMD staff may request clarification and/or additional information if the details provided in the report are not clear or are not complete. Within 90 days of receiving a *complete* Five-Year CIWMP/RAIWMP Review Report, LAMD staff will review the report and prepare their findings for CalRecycle consideration for approval.

If you have any questions about the Five-Year CIWMP/RAIWMP Review Report process or how to complete this template, please contact your LAMD representative at (916) 341-6199. Mail the completed and signed Five-Year CIWMP/RAIWMP Review Report to:

Dept. of Resources Recycling & Recovery
Local Assistance & Market Development, MS-9
P. O. Box 4025
Sacramento, CA 95812-4025

To edit & customize this template, the editing restrictions (filling in forms) must be disengaged. Select the Review tab, Protect Document, and then Restrict Formatting and Editing (uncheck editing restrictions). There is no password (options). Please contact your LAMD representative at (916) 341-6199 with related questions.

General Instructions: Please complete Sections 1 through 7, and all other applicable subsections. Double click on shaded text/areas () to select or add text.

SECTION 1.0 COUNTY OR REGIONAL AGENCY INFORMATION			
I certify that the information in this document is true and correct to the best of my knowledge, and that I am authorized to complete this report and request approval of the CIWMP or RAIWMP Five-Year Review Report on behalf of:			
County or Regional Agency Name Alameda County Waste Management Authority		County(s) [if a RAIWMP Review Report] Alameda	
Authorized Signature		Title Executive Director	
Type/Print Name of Person Signing Timothy Burroughs		Date	Phone (510) 891-6500
Person Completing This Form (please print or type) Emily Alvarez		Title Program Manager	Phone (510) 891-6585
Mailing Address 1537 Webster St.	City Oakland	State CA	Zip 94612
E-mail Address ealvarez@stopwaste.org			

TABLE OF CONTENTS

<u>Section</u>	<u>Description</u>	<u>Page</u>
2.0	<u>BACKGROUND</u>	<u>3</u>
3.0	<u>LOCAL TASK FORCE REVIEW</u>	<u>3</u>
4.0	<u>TITLE 14, CALIFORNIA CODE of REGULATIONS SECTION 18788 (3) (A) THROUGH (H) ISSUES</u>	<u>3</u>
4.1	<u>Changes in Demographics in the County or Regional Agency</u>	<u>3</u>
4.2	<u>Changes in Quantities of Waste within the County or Regional Agency; and Changes in Permitted Disposal Capacity and Quantities of Waste Disposed in the County or Regional Agency</u>	<u>4</u>
4.3	<u>Changes in Funding Source for Administration of the Siting Element and Summary Plan</u>	<u>6</u>
4.4	<u>Changes in Administrative Responsibilities</u>	<u>6</u>
4.5	<u>Programs that were Scheduled to be Implemented but were not</u>	<u>7</u>
4.6	<u>Changes in Available Markets for Recyclable Materials</u>	<u>8</u>
4.7	<u>Changes in the Implementation Schedule</u>	<u>8</u>
5.0	<u>OTHER ISSUES (optional)</u>	<u>9</u>
6.0	<u>ANNUAL REPORT REVIEW</u>	<u>9</u>
7.0	<u>REVISION SCHEDULE</u>	<u>9</u>

SECTION 2.0 BACKGROUND

This is the regional agency’s fifth Five–Year Review Report since the approval of the CIWMP.

The following changes have occurred since the approval of the regional agency’s planning documents or the last Five-Year CIWMP Review Report (whichever is most recent):

- Diversion goal reduction
- New regional agency
- Changes to regional agency
- New city (name(s) _____)
- Other _____

Additional Information (optional)

SECTION 3.0 LOCAL TASK FORCE REVIEW

- a. In accordance with Title 14 CCR, Section 18788, the Local Task Force (LTF) reviewed each element and plan included in the CIWMP and finalized its comments at the August 10, 2023 LTF meeting. electronically (fax, e-mail) other (Explain):

- b. The regional agency received the written comments from the LTF on August 10, 2023.
- c. A copy of the LTF comments is included as Appendix A. was submitted to CalRecycle on _____

SECTION 4.0 TITLE 14, CALIFORNIA CODE of REGULATIONS SECTION 18788 (3) (A) THROUGH (H)

The subsections below address not only the areas of change specified in the regulations, but also provide specific analyses regarding the continued adequacy of the planning documents in light of those changes, including a determination on any need for revision to one or more of the planning documents.

Section 4.1 Changes in Demographics in the County or Regional Agency

When preparing the CIWMP Review Report, the county or regional agency must address at least the changes in demographics.

The following resources are provided to facilitate this analysis:

1. Demographic data, including population, taxable sales, employment, and consumer price index by jurisdiction for years up to 2006, are available at: <https://www2.calrecycle.ca.gov/LGCentral/DiversionProgram/AdjustmentFactors>. Data for years beyond 2006 can be found on the following websites:
 - Population: [Department of Finance](#) E-4 Historical Population Estimates for Cities, Counties, and the State

- Taxable Sales: [Board of Equalization](#)
- Employment: [Employment Development Department](#) Click on the link to Local Area Profile, select the county from the drop down menu, then click on the “View Local Area Profile” button.
- Consumer Price Index: [Department of Industrial Relations](#)

Table 1. Population by Jurisdiction

County / City	2018	2022	% Change
Alameda	78,980	77,784	-1.5%
Albany	19,216	21,648	12.7%
Berkeley	122,369	124,563	1.8%
Dublin	61,874	72,932	17.9%
Emeryville	11,871	12,497	5.3%
Fremont	231,252	229,476	-0.8%
Hayward	158,693	160,591	1.2%
Livermore	90,359	86,149	-4.7%
Newark	47,178	47,229	0.1%
Oakland	431,373	424,464	-1.6%
Piedmont	11,368	10,977	-3.4%
Pleasanton	79,483	77,609	-2.4%
San Leandro	89,552	88,404	-1.3%
Union City	74,058	68,150	-8.0%
Unincorporated County	149,258	149,506	0.2%
County Total	1,656,884	1,651,979	-0.3%

Source: CA DOF E-5 Table

Table 2. Taxable Sales in Alameda County (in millions of dollars)

	2018	2021	% Change
	\$35.07	\$37.94	8.2%

Source: CA DTFA Taxable Sales By County

Table 3. Employment in Alameda County

	2018	2021	% Change
Countywide # Employed	815,600	760,900	-6.7%

Source: CA EDD Local Area Profile

2. The [Demographic Research Unit](#) of the California Department of Finance is designated as the single official source of demographic data for State planning and budgeting (e.g., find E-5 City/County Population and Housing Estimates under Reports and Research Papers and then Estimates).
3. The Department of Finance’s Demographic Research Unit also provides a list of [State Census Data Center Network Regional Offices](#).

Analysis

Upon review of demographic changes since double-click here:¹

- The demographic changes since the development of the CIWMP do not warrant a revision to any of the countywide planning documents. Specifically, the Alameda County IWMP underwent a major overhaul that was adopted in 2020. Since only 2 years have passed since its adoption, there is no need for a revision at this time. The ACWMA will reassess the need for a revision in 2025.
- These demographic changes since the development of the CIWMP warrant a revision to one or more of the countywide planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.2 Changes in Quantities of Waste within the County or Regional Agency; and Changes in Permitted Disposal Capacity and Waste Disposed in the County or Regional Agency

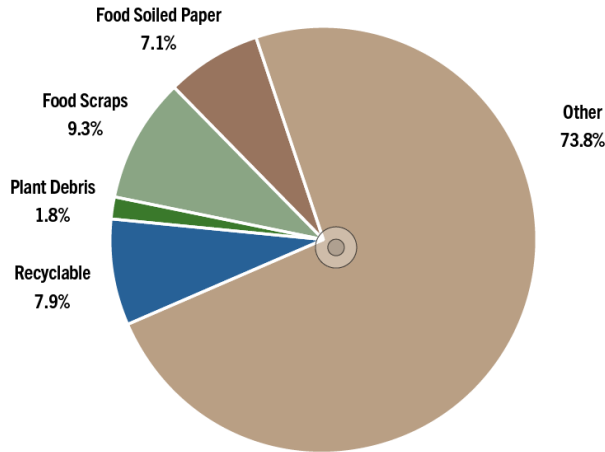
A number of tools to facilitate the analysis and review of such changes in the waste stream are available from the following CalRecycle sources:

1. Various statewide, regional, and local disposal reports are available at <http://www.calrecycle.ca.gov/LGCentral/Reports/DRS/Default.aspx>.
 - a. CalRecycle's [Disposal Reporting System](#) tracks and reports the annual estimates of the disposal amounts for jurisdictions in California; additional California solid waste [statistics](#) are also available.
 - b. CalRecycle's Waste Flow by [Destination](#) or [Origin](#) reports include solid waste disposal, export, and alternative daily cover. They show how much waste was produced within the boundaries of an individual city, or within all jurisdictions comprising a county or regional agency. These data also cover what was disposed at a particular facility or at all facilities within a county or regional agency.
2. The [Waste Characterization Database](#) provides estimates of the types and amounts of materials in the waste streams of *individual California jurisdictions* in 1999. For background information and more recent statewide characterizations, please see <https://www2.calrecycle.ca.gov/WasteCharacterization/>
3. CalRecycle's [Countywide, Regionwide, and Statewide Jurisdiction Diversion Progress Report](#) provides both summary and detailed information on compliance, diversion rates/50 percent equivalent per capita disposal target and rates, and waste diversion program implementation for all California jurisdictions. Diversion program implementation summaries are available at <https://www2.calrecycle.ca.gov/LGCentral/DiversionProgram>

¹ The year of the data included in the planning documents, which is generally 1990 or 1991.

Together, these reports help illustrate changes in the quantities of waste within the county or regional agency as well as in permitted disposal capacity. This information also summarizes each jurisdiction’s progress in implementing the Source Reduction and Recycling Element (SRRE) and complying with the 50 percent diversion rate requirement (now calculated as the 50 percent equivalent per capita disposal target), see [Per Capita Disposal and Goal Measurement \(2007 and Later\)](#) for details

Figure 1: Countywide Waste Composition, 2016



Source: 2017-2018 Alameda County Waste Characterization Study, SCS Engineering

Table 4. Diversion Tonnage by Jurisdiction

Jurisdiction	2018		2021		% Change	
	Recyclables Tons	Organics Tons	Recyclables Tons	Organics Tons	Recyclables Tons	Organics Tons
Alameda	11,572	13,504	10,788	13,296	-6.8%	-1.5%
Albany	3,081	2,882	2,829	2,652	-8.2%	-8.0%
Berkeley	13,652	22,428	14,702	20,102	7.7%	-10.4%
Castro Valley Sanitary District	8,925	10,431	9,303	9,845	4.2%	-5.6%
Dublin	7,418	9,659	13,061	9,223	76.1%	-4.5%
Emeryville	6,607	3,216	5,655	2,740	-14.4%	-14.8%
Fremont	22,951	32,124	35,248	34,422	53.6%	7.2%
Hayward	46,042	21,544	48,556	22,974	5.5%	6.6%
Livermore	15,434	19,925	15,512	19,988	0.5%	0.3%
Newark	6,943	6,285	6,408	5,556	-7.7%	-11.6%
Oakland	42,593	56,831	53,079	59,355	24.6%	4.4%
Oro Loma Sanitary District	14,157	13,367	35,346	22,121	149.7%	65.5%
Piedmont	2,134	2,905	3,012	3,267	41.1%	12.5%
Pleasanton*	10,360	14,889	10,360	14,889	0.0%	0.0%
San Leandro	8,925	11,518	9,376	12,524	5.1%	8.7%
Union City	10,092	10,966	8,165	11,160	-19.1%	1.8%
Total	230,886	252,474	281,398	264,114	21.9%	4.6%

* Most recent data available for City of Pleasanton is 2018
Source: Alameda County Measure D reports

Table 5: Solid Waste Disposal Tonnage by Jurisdiction

Jurisdiction	2018	2021	% Change
Alameda	26,081	25,900	-0.7%
Albany	5,046	4,199	-16.8%
Berkeley	39,469	36,810	-6.7%
Castro Valley Sanitary District	14,997	14,594	-2.7%
Dublin	30,358	28,396	-6.5%
Emeryville	8,261	9,405	13.8%
Fremont	111,064	106,366	-4.2%
Hayward	65,740	74,802	13.8%
Livermore	44,683	45,159	1.1%
Newark	29,963	29,219	-2.5%
Oakland	126,072	151,014	19.8%
Oro Loma Sanitary District	36,378	52,433	44.1%
Piedmont	2,350	3,394	44.4%
Pleasanton*	52,384	52,384	0.0%
San Leandro	34,191	31,676	-7.4%
Union City	29,652	29,168	-1.6%
Total	656,688	694,920	5.8%

* Most recent data available for City of Pleasanton is 2018
Source: Alameda County Measure D reports

Table 6: Diversion Rate by Jurisdiction, 2018

Jurisdiction	Diversion Rate
Alameda	77%
Albany	82%
Berkeley	68%
Dublin	71%
Emeryville	84%
Fremont	63%
Hayward	66%
Livermore	72%
Newark	67%
Oakland	63%
Piedmont	76%
Pleasanton	64%
San Leandro	58%
Union City	80%
Unincorporated County	76%
Countywide Weighted Average	67%

Source: StopWaste Waste Disposal Tonnages and Diversion Rates for Alameda County Jurisdictions Report, 2020, based on 2019 CalRecycle reports

- The county or regional agency (if it includes the entire county) continues to have adequate disposal capacity (i.e., equal to or greater than 15 years).
- The county does not have 15 years remaining disposal capacity within its physical boundaries, but the Siting Element does provide a strategy² for obtaining 15 years remaining disposal capacity.
- The county does not have 15 years remaining disposal capacity and the Siting Element does not provide a strategy² for obtaining 15 years remaining disposal capacity. See Section 7 for the revision schedule(s).

Analysis

- These changes in quantities of waste and changes in permitted disposal capacity since the development of the CIWMP do not warrant a revision to any of the countywide planning documents. Specifically, the Alameda County IWMP underwent a major overhaul that was adopted in 2020. At that time, it was determined that Alameda County has well over 15 years of disposal capacity, with adequate capacity estimated through 2050, at a minimum. This information can be found in Table 4-5: Alameda County Solid Waste Disposal and Capacity Needs Projection in the CIWMP, found here: <https://www.stopwaste.org/resource/reports/countywide-integrated-waste-management-plan-coiwmp>. Since only 2 years have passed since its adoption, there is no need for a revision at this time. Additionally, the ACWMA is beginning a new Waste Characterization Study in 2023 that will sample all three material streams (landfill, organics, and recycling). The ACWMA will reassess the need for a revision in 2025 after the study is completed and it has been 5 years since the last update.
- These changes in quantities of waste and changes in permitted disposal capacity since the development of the CIWMP warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)**Section 4.3 Changes in Funding Source for Administration of the Siting Element (SE) and Summary Plan (SP)**

Since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent), the county experienced the following significant changes in funding for the SE or SP:

- _____

Analysis

- There have been no significant changes in funding for administration of the SE and SP or the changes that have occurred do not warrant a revision to any of the countywide planning documents. Specifically, the programs in the CIWMP are primarily funded through landfill

² Such a strategy includes a description of the diversion or export programs to be implemented to address the solid waste capacity needs. The description shall identify the existing solid waste disposal facilities, including those outside of the county or regional agency, which will be used to implement these programs. The description should address how the proposed programs shall provide the county or regional agency with sufficient disposal capacity to meet the required minimum of 15 years of combined permitted disposal capacity.

tip fees which continue to be in place and have not changed since 2020 when the major overhaul of the CIWMP was adopted.

- These changes in funding for the administration of the SE and SP warrant a revision to one or more of the countywide planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.4 Changes in Administrative Responsibilities

The regional agency experienced significant changes in the following administrative responsibilities since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent):

- _____

Analysis

- There have been no significant changes in administrative responsibilities or the changes in administrative responsibilities do not warrant a revision to any of the planning documents.
- These changes in administrative responsibilities warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.5 Programs that Were Scheduled to Be Implemented, But Were Not

This section addresses programs that were scheduled to be implemented, but were not; 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.

1. Progress of Program Implementation

a. SRRE and Household Hazardous Waste Element (HHWE)

- All program implementation information has been updated in the CalRecycle Electronic Annual Report (EAR), including the reason for not implementing specific programs, if applicable.
- All program implementation information has not been updated in the EAR. Attachment _____ lists the SRRE and/or HHWE programs selected for implementation, but which have not yet been implemented, including a statement as to why they were not implemented.

b. Nondisposal Facility Element (NDFE)

- There have been no changes in the use of nondisposal facilities (based on the current NDFEs and any amendments and/or updates).
- Attachment _____ lists changes in the use of nondisposal facilities (based on the current NDFEs).

c. Countywide Siting Element (SE)

- There have been no changes to the information provided in the current SE.
 Attachment _____ lists changes to the information provided in the current SE.

d. Summary Plan

- There have been no changes to the information provided in the current SP.
 Attachment _____ lists changes to the information provided in the current SP.

2. Statement regarding whether Programs are Meeting their Goals

- The programs are meeting their goals.
 The programs are not meeting their goals. The discussion that follows in the analysis section below addresses the contingency measures that are being enacted to ensure compliance with [PRC Section 41751](#) (i.e., specific steps are being taken by local agencies, acting independently and in concert with _____, to achieve the purposes of the California Integrated Waste Management Act of 1989) and whether the listed changes in program implementation necessitate a revision to one or more of the planning documents. _____

Analysis

- The aforementioned changes in program implementation do not warrant a revision to any of the planning documents. Specifically, the Alameda County IWMP underwent a major overhaul that was adopted in 2020. Since only 2 years have passed since its adoption, there is no need for a revision at this time. The ACWMA will reassess the need for a revision in 2025.
 Changes in program implementation warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)**Section 4.6 Changes in Available Markets for Recyclable Materials**

The regional agency experienced changes in the following available markets for recyclable materials since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent):

Analysis

- There are no significant changes in available markets for recycled materials to warrant a revision to any of the planning documents.
 Changes in available markets for recycled materials warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.7 Changes in the Implementation Schedule

The following addresses changes to the regional agency’s implementation schedule that are not already addressed in Section 4.5:

Analysis

- There are no significant changes in the implementation schedule to warrant a revision to any of the planning documents.
- Changes in the implementation schedule warrant a revision to one or more of the planning documents. Specifically, _____.

Additional Analysis (optional)

Note: Consider for each jurisdiction within the county or regional agency the changes noted in Sections 4.1 through 4.7 and explain whether the changes necessitate revisions to any of the jurisdictions’ planning documents.

SECTION 5.0 OTHER ISSUES OR SUPPLEMENTARY INFORMATION (optional)

The following addresses any other significant issues/changes in the regional agency and whether these changes affect the adequacy of the CIWMP to the extent that a revision to one or more of the planning documents is needed:

Analysis

SECTION 6.0 ANNUAL REPORT REVIEW

- The Annual Reports for each jurisdiction in the county have been reviewed, specifically those sections that address the adequacy of the **CIWMP** elements. No jurisdictions reported the need to revise one or more of these planning documents.
- The Annual Reports for each jurisdiction in the county have been reviewed, specifically those sections that address the adequacy of the CIWMP (or RAIWMP) elements. The following jurisdictions reported the need to revise one or more of these planning documents, as listed.

Analysis

The discussion below addresses the county’s evaluation of the Annual Report data relating to planning document adequacy and includes determination regarding the need to revise one or more of the documents:

STATE OF CALIFORNIA
CalRecycle 709 (Rev. 03/19)

DEPARTMENT OF RESOURCES RECYCLING
AND RECOVERY (CalRecycle)

SECTION 7.0 REVISION SCHEDULE (if required)
