

AUSTRALIA - ROWDEN
 GERMANY - VLACH
 SOUTH AFRICA - EXEC.?
~~CHINA~~
 - LARSON
 VATICAN - CONHEIM
~~TURKEY~~ - HERNANDEZ
~~CZECHOSLOVAKIA~~
 O K

Meeting of the
 CALIFORNIA WASTE MANAGEMENT BOARD
 Hearing Room
 River City Bank Building
 1020 Ninth Street, Suite 300
 Sacramento, CA 95814

August 13-14, 1987

NOTICE AND AGENDA

Note: The Board will convene at 10:00 a.m., August 13, 1987. This agenda represents the order in which items are scheduled to be considered. Since the Chairman, however, may change this order, participants and other interested parties are advised to be available during the entire meeting. Items not considered on August 13, may be continued until August 14, beginning at 9:00 a.m.

If written comments are to be submitted to the Board, 15 copies should be provided.

	MINUTES
1. CONSIDERATION OF THE FULL APPROVAL OF THE SAN DIEGO COUNTY SOLID WASTE MANAGEMENT PLAN REVISION	20
2. CONSIDERATION OF THE SACRAMENTO COUNTY SOLID WASTE MANAGEMENT PLAN REVIEW REPORT	20
3. UPDATE ON STATUS OF THE SACRAMENTO COUNTY LANDFILL AND THE NORTH AREA TRANSFER STATION, SACRAMENTO COUNTY	15
4. CONSIDERATION OF THE HUMBOLDT COUNTY SOLID WASTE MANAGEMENT PLAN REVIEW REPORT	20
5. STATUS OF COUNTY SOLID WASTE MANAGEMENT PLANS (CoSWMPS) AND CONSIDERATION OF ACTION ON DELINQUENT CoSWMPS FOR ALAMEDA, CONTRA COSTA, KINGS AND MARIN COUNTIES	30
6. ENFORCEMENT PROGRAM UPDATE	20
7. CONSIDERATION OF INCLUSION OF SANTA CLARA/COASTAL LANDFILL ON THE STATE LIST OF NON-COMPLYING FACILITIES PURSUANT TO GOVERNMENT CODE SECTION 66796.38	20
8. UPDATE ON STATUS OF THE YUBA-SUTTER DISPOSAL AREA, YUBA COUNTY	15

FRI

- off
9. CONSIDERATION OF CONCEPTS FOR PROPOSED CONSULTING AND PROFESSIONAL CONTRACTS FOR FISCAL YEAR 1987-88 45
 10. CONSIDERATION OF APPROVAL OF THE DRAFT STATUS REPORT ON STATE AGENCY LITTER CONTROL PROGRAMS (CSLCP) 20
 11. PROGRESS REPORT ON THE WASTE CHARACTERIZATION STUDY ASSESSMENT OF RECYCLABLE AND HAZARDOUS COMPONENTS BY SRI INTERNATIONAL 20
 12. CONSIDERATION OF A RESOLUTION HONORING RICHARD P. STEVENS FOR SERVING ON THE BOARD 5
 13. CONSIDERATION OF A RESOLUTION HONORING LOUIS J. DEVINCENZI FOR 52 YEARS OF SERVICE TO THE WASTE MANAGEMENT INDUSTRY 5
 14. UPDATE AND CONSIDERATION OF LEGISLATION 40
 15. PRESENTATION OF A RESOURCE RECOVERY PROCESS BY RESOURCE ENERGY VENTURES 30
 16. DISCUSSION OF THE STATUS OF REVISION AND UPDATE OF REGULATIONS 20
 17. QUARTERLY REVIEW OF RECYCLABLES MARKETS: APRIL - JUNE, 1987 15
 - off 18. STAFF PRESENTATION ON POSSIBLE RECYCLING PROGRAM ACTIVITIES FOR THE CALIFORNIA WASTE MANAGEMENT BOARD 45
 19. PRESENTATION ON REGULATION OF LANDFILLS BY AIR POLLUTION CONTROL DISTRICTS 20
 20. REPORT ON SIGNIFICANT STAFF ACTIVITIES 10
 21. REVIEW OF FUTURE BOARD AGENDA ITEMS 5
 22. OPEN DISCUSSION
 23. ADJOURNMENT

Note: The Board may hold a closed session to discuss personnel, as authorized by State Agency Open Meeting Act, Government Code section 11126(a), and litigation, pursuant to the attorney-client privilege, Evidence Code section 950-962, and Government Code section 11126(q).

For further information contact:
 CALIFORNIA WASTE MANAGEMENT BOARD
 1020 Ninth Street, Suite 300
 Sacramento, CA 95814
 (916) 322-3330

CALIFORNIA WASTE MANAGEMENT BOARD
AGENDA ITEM # 1
AUGUST 13-14, 1987

ITEM:

Consideration of the Full Approval of the San Diego County Solid Waste Management Plan Revision

KEY ISSUES

- CoSWMP Revision partially approved contingent upon proposed waste-to-energy economic feasibility information.
- Information from the County received on July 20, 1987.
- Submitted information complies with Board's Planning Guidelines.

BACKGROUND:

At the Board's April 21-22, 1987 meeting, the San Diego County Solid Waste Management Plan (CoSWMP) Revision was partially approved contingent upon the receipt within 60 days of economic feasibility information for the proposed waste-to-energy program. The specific economic feasibility information that was omitted from the Plan Revision was the capital and operating costs for the proposed waste-to-energy facilities. The provision of these costs is required by the Board's Planning Guidelines and Procedures for Preparing, Revising and Amending County's Solid Waste Management Plans (CAC Section 17137).

DISCUSSION:

On July 20, 1987, Board staff received the required capital and operating costs for the proposed waste-to-energy facilities from the County of San Diego (see Attachment 1). This information was submitted one month past the 60 day period specified in the Board's resolution partially approving the CoSWMP Revision.

Prior to the final submittal to the Board, however, the information in draft form was reviewed by Board staff. In addition, the information was submitted for review to all sixteen incorporated cities. No significant comments were received from the cities as a result of that review.

Staff has reviewed the information and found that it complies with the requirements of the Board's Planning Guidelines for Preparing, Revising and Amending County Solid Waste Management Plans.

OPTIONS:

1. Deny full approval of the Plan.

This would be appropriate if the County had not met the Board requirement for providing the additional economic feasibility information.

2. Fully approve the CoSWMP Revision.

This would be appropriate if the County has fully complied with the Board's requirement for providing the additional feasibility information for the preferred waste-to-energy program.

RECOMMENDATION:

Staff recommends that the Board select Option 2 and adopt Resolution #87-38 fully approving the San Diego County Solid Waste Management Plan Revision.

ATTACHMENTS:

1. Letter from County Department of Public Works Director transmitting economic feasibility information.
2. Proposed Board Resolution 87-38 fully approving the San Diego CoSWMP Revision



County of San Diego

GRANVILLE M. BOWMAN
DIRECTOR
(619) 585-5177

DEPARTMENT OF PUBLIC WORKS

5555 OVERLAND AVE. SAN DIEGO, CALIFORNIA 92123-1295

COUNTY ENGINEER
COUNTY AIRPORTS
COUNTY ROAD COMMISSIONER
TRANSPORTATION OPERATIONS
COUNTY SURVEYOR
FLOOD CONTROL
LIQUID WASTE
SOLID WASTE

July 8, 1987

Mr. George Eowan
Chief Executive Officer
California Waste Management Board
1020 Ninth Street, Suite 300
Sacramento, CA 95814

Dear Mr. Eowan:

Subject: 1986 Revision of San Diego Regional Solid Waste Management Plan

Attached please find a table displaying additional economic feasibility information for the proposed SANDER and San Marcos Waste-to-Energy Projects which was required to be included in the 1986 Revised Plan per direction of your Board at their meeting of April 21-22, 1987.

By letter dated June 3, 1987 you were advised that this additional information was being distributed to all incorporated cities for review and comment before formal submittal and action by your Board. City review period ended on July 6, 1987. No concerns were raised about the addition of this information into the Final Plan.

Please contact Ms. Julia Quinn of the Department's Public Services Division, Solid Waste Section, at (619) 694-2168 if you have any questions.

Very truly yours,

ROGER F. WALSH
Chief Deputy Director

JM GRANVILLE M. BOWMAN, Director
Department of Public Works

GMB:JMQ:scm

Enc.

10-052

County or City of San Diego landfills. The City of Oceanside formerly operated two landfills in their jurisdiction, the Mission and Maxson Avenue facilities. The City of Oceanside is required to provide post closure maintenance at these sites including the monitoring of methane gas. Oceanside reported that the cost for such maintenance for FY 85-86 was approximately \$60,000, which was funded from the City's General Fund.

Resource Recovery

Two waste-to-energy plants are being proposed in the San Diego region: the San Diego Energy Recovery Project (SANDER) at the City's Miramar Landfill and the North County Recycling and Energy Recovery Center at the County's San Marcos Landfill.

Both projects are being developed under contract by private companies. Project financing will come from issuance of bonds, private venture capital and from tipping fees charged at the facilities for disposal.

Project capital costs, funding sources and first year operating costs are summarized in the following table:

TABLE VI-3

<u>PROJECT ECONOMIC INFORMATION</u>	
<u>SANDER PROJECT</u>	
CAPITAL	\$227M
TOTAL FINANCING	\$306M
FUNDING SOURCES	CPCFA Industrial Development Bonds and 25% equity by Signal Environmental Systems
OPERATING COST (1991)	\$19M to be funded by processing fee of \$12.80 per ton from the City of San Diego and revenue from sale of 405M KWH per year of electrical energy to SDG&E (62 MW capacity)
<u>SAN MARCOS WASTE-TO-ENERGY PROJECT</u>	
CAPITAL	\$135M
TOTAL FINANCING	\$217M
FUNDING SOURCES	\$185M CPCFA Industrial Development Bonds \$32M Equity Capital From Haliburton
OPERATING COST (1990)	\$14M to be funded by processing fee of \$10.56/ton (1985 Agreement level) and revenue from sale of \$225M KWH of electrical energy to SDG&E (32 MW capacity) and sale of recyclables.

SUMMARY

Funding sources for existing collection and disposal activities are generally adequate. A majority of solid waste services are fee supported. Annual review allows rates to be set which cover operational costs. Costs for collection and disposal have not increased significantly since the 1982 Plan was prepared. However, existing funding mechanisms in the region may need to be revised to ensure that solid waste programs can be adequately maintained in the future.

CALIFORNIA WASTE MANAGEMENT BOARD

Resolution 87-38

August 13-14, 1987

Resolution of Full Approval of the San Diego County Solid Waste Management Plan Revision

WHEREAS, the Board finds that at its April 21-22, 1987 meeting it partially approved the San Diego County Solid Waste Management Plan Revision because the County did not provide economic feasibility information on the preferred waste-to-energy program as required by California Administrative Code, Title 14, Section 17137; and

WHEREAS, the Board finds that the County of San Diego has submitted the required economic feasibility information on the preferred waste-to-energy program, and

WHEREAS, the Board finds that Board staff has reviewed submitted information and found it to meet the requirement of the California Administrative Code, Title 14, section 17137.

NOW, THEREFORE, BE IT RESOLVED that the California Waste Management Board hereby fully approves the San Diego County Solid Waste Management Plan Revision.

CERTIFICATION

The undersigned Chief Executive Officer of the California Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Waste Management Board held on August 13-14, 1987.

Dated:

George T. Eowan
Chief Executive Officer

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM # 2

AUGUST 13-14, 1987

ITEM:

Consideration of the Sacramento County Solid Waste Management Plan Review Report.

KEY ISSUES:

- County identified need to revise.
- Board staff concurs, suggests additional changes.
- Closure of the Sacramento City Landfill being considered, reaches capacity in 1990.
- Siting of a City Transfer Station also being considered.
- System improvements include Curbside Recycling Program and Automated Collection.

BACKGROUND:

The Sacramento County Solid Waste Management Plan was originally approved by the California Waste Management Board on January 28, 1979. On January 12, 1984, the Board approved the first revision to the Plan. On June 5, 1987 the County submitted a Plan Review Report to the Board indicating that a revision of the Plan was necessary in seven areas to bring the Plan into compliance with Board's Planning Guidelines and Procedures for Preparing, Revising, and Amending County Solid Waste Management Plan (See Attachment #2).

STAFF ANALYSIS:

The attached Staff Review and Comment (See Attachment #1) analyzes the adequacy of the Sacramento County Solid Waste Management Plan Review Report and provides an objective description of the current solid waste management program in Sacramento County. Staff analysis entails review of the Plan and Plan Review Report, meeting with County officials, and visiting solid waste facilities in the County. The County has accurately identified seven areas of the Plan that are in need of revision. Those revision areas are:

- Identification of Solid Waste
- Storage/Collection of Wastes
- Disposal and Processing of Wastes
- Resource Recovery
- Plan Administration
- Economic Feasibility
- Implementation of the Plan

In addition, staff believes the following additional areas should be included in the Plan Revision.

1. A program for the safe management of household hazardous wastes as required by Government Code section 66780.5(b).
2. A discussion of the amounts of asbestos wastes generated in the County and the sites designated for disposal of this material as required by Government Code section 66780.5(e).
3. Inclusion of existing and proposed septage and sewage sludge disposal programs as required by California Administrative Code section 17134(g)

BOARD OPTIONS:

1. Do not accept the Plan Review Report

This would be appropriate if the County had not complied with Board requirements for preparation of the Plan Review Report.

2. Take no action

This would be appropriate if there is new information available during the Board meeting which requires further analysis by either the County or Board staff prior to Board action. Staff believes the current analysis is complete, based on available information.

3. Accept the Plan Review Report and concur with the County's decision to revise the Plan subject to the additional conditions recommended by staff.

This option would be appropriate if the County has complied with the Board's requirements for preparation of a Plan Review Report. The County has substantially met all requirements for preparation of a Plan Review Report.

RECOMMENDATION:

Staff agrees with the County's decision to revise the Plan and recommends that the Board adopt Resolution #87-36 accepting the Sacramento County Plan Review Report and directing the County to revise its County Solid Waste Management Plan in the areas identified.

ATTACHMENTS:

1. Staff review and comments
2. Sacramento County Solid Waste Management Plan Review Report
3. Map of County Solid Waste Disposal Sites
4. Resolution No. 87-36 accepting the Sacramento County Solid Waste Management Plan

STAFF REVIEW AND COMMENT
SACRAMENTO COUNTY SOLID WASTE MANAGEMENT PLAN
REVIEW REPORT

I. County Solid Waste Management System

A. Current System

1. County Characteristics

Sacramento County is located on the southern part of the Sacramento Valley. The current population of the county is estimated to be 95,000 and projected to reach 1,033,000 by 1992. There are four incorporated cities in the county with Sacramento serving as the county seat. The economy of the county is based on manufacturing, government, agriculture and transportation.

2. Administrative Responsibilities

The Sacramento County Board of Supervisors is ultimately responsible for solid waste planning and administration. The County Department of Public Works, Solid Waste Division is delegated as the agency to maintain the County Plan and the administration of the collection and disposal systems for the County's unincorporated areas. The Sacramento County Health Department, Division of Environmental Health is designated to enforce the State Minimum Standards and local solid waste ordinances. The incorporated cities provide collection services within their respective boundaries.

3. System Financing

The budgets for administration and operation of City and County collection and disposal systems are funded through gate fees and user fees. County enforcement activities are financed by permit fees and General Fund monies. The County solid waste

budget for the 1986-1987 fiscal year is approximately 17 million dollars.

4. Waste Generation

Approximately 810,000 tons of domestic, industrial and commercial wastes are generated in the County annually. An undetermined amount of agricultural wastes are generated within the County, however these wastes are generally returned to the land where they are generated and generally do not enter the conventional waste stream.

5. Storage and Collection

Solid waste is collected by the cities of Folsom and Sacramento, the County of Sacramento and 25 permitted private collections throughout the city and county areas.

6. Transfer

Currently three County owned and operated transfer stations serve the needs of Sacramento County residents. Information regarding the transfer stations is as follows:

<u>FACILITY</u>	<u>TONS PER DAY</u>	<u>SERVED BY</u>	<u>DISPOSAL TO</u>
North Area	203	County	Kiefer Road
Fruitridge	114	County	Kiefer Road
Delta	7	County	Kiefer Road

7. Disposal

Two major landfills, serve the needs of city and county residents. The Kiefer Road Landfill, which consists of 650 acres, is owned and operated by the County. This facility receives approximately 553,000 tons of wastes per year. The life of the site is projected through the year 2040. The City Landfill off B. Street is projected to reach capacity by 1990. This facility accepts 215,000

tons of wastes annually. Overall, disposal capacity in the county should be adequate through the long term planning period.

Several small, privately owned sites receive inert demolition material. Approximately 40,000 tons of wastes annually are taken to the Yolo County Landfill near Woodland.

All septage pumpings in the County are disposed of at the County Regional Waste Water Treatment Plant off Laguna Station Road. Approximately 80 tons per acre of treated sludge annually is injected subsurface during dry season on a 200 acre site adjacent to the plant. The capacity of the sludge disposal area is projected beyond 20 years. Operation of the sludge disposal process is conditioned by waste discharge requirements and is under the surveillance of the Regional Water Quality Control Board and the County Health Department.

8. Litter Management

The litter control program in the County is the responsibility of Department of Environmental Health, although a number of other agencies are involved with the program. Inmates of the Juvenile Hall are utilized for litter pickup, while municipal employees maintained litter control within City boundaries. CalTrans crews provide litter pickup along State right of ways.

9. Resource Recovery

The major resource recovery activities occurring within the County are recycling, composting and salvaging.

Salvaging operations are in place at the County Landfill and both transfer stations. A major yard waste composting project operates at the City Landfill, with the finished product in great demand by City residents. 23 privately operated recycling companies reclaim an undetermined volume of aluminum, ferrous metals, corrugated and glass, while 36 service stations currently accept used oil for recycling.

A 3 year pilot curbside recycling program has recently been implemented as a permanent program by the County Board of Supervisors. Under the provisions of this program, 40,000 residents of the unincorporated areas are provided with weekly pickup of aluminum, glass, cardboard, newspapers and used oil.

In addition, a well organized system of thrift stores, including Goodwill Industries, and Salvation Army recycle an undetermined quantity of used clothing, furniture and appliances.

B. Future Facilities

A replacement for the Sacramento City Landfill must be found prior to the facility's closing in 1990. Present plans are for construction of a transfer station within the City limits with disposal to the Kiefer Road Landfill.

C. Enforcement Program

The County Health Department, Division of Environmental Health has been designated by the Board of Supervisors to enforce the State Minimum Standards and local solid waste ordinances. The Health Department also permits septic tank pumpers and inspects refuse collection vehicles. The County's enforcement activities are financed by permit fees and General Fund money.

The County's North Area Transfer Station and the Keefer Road Landfill, from time to time, have been in violation of State Minimum Standards. The County Environmental Health Department is now working to bring these sites into full compliance with State Minimum Standards.

Two closed facilities are currently listed on the Resource Conservation and Recovery Act (RCRA) Open Dump Inventory:

- The Elk Grove Landfill has been placed on the Open Dump Inventory because of cover subsidences and pooling of water. The County is presently regrading and applying additional cover to the site, after which the County will ask to be removed from the List.
- The White Rock Road Disposal Site is a privately owned facility currently under Regional Water Quality Control Board and Department of Health Services study as a potential hazardous material site.

D. Current Issues

The following issues pertaining to the County solid waste management program are currently being considered:

- Closure of the City Landfill, and siting of a City transfer station.

- Reconstruction of the County's North Area Transfer Station.
- Compliance with Calderon Act and Subchapter 15 requirements for air and water quality monitoring at the Kiefer Road and B Street Landfills.
- Post Closure at White Rock Road Disposal Site.

E. System Improvements

A number of improvements to the County's solid waste system have been made since the 1984 Plan Revision. These improvements are as follows:

1. 80% of County collection system has been automated to date.
2. 30% of City collection system has been automated to date.
3. Installation of monitoring wells at City and County landfills.
4. Implementation of Curbside Recycling Program.

II. Report Summary

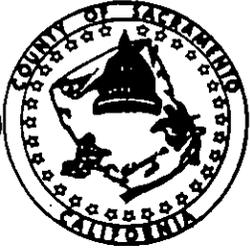
The Sacramento County Plan Review Report has been submitted to the California Waste Management Board in compliance with Government Code Sections 66780.5(b) and Title 14 CAC Section 17141. In the report, the county identified the following areas of the Plan that were in need of revision:

- Identification of Solid Waste
- Storage/Collection of wastes
- Disposal and Processing of wastes
- Resource Recovery
- Plan Administration
- Economic Feasibility
- Implementation of the Plan

III. Staff Analysis

Staff has reviewed the Report submitted by Sacramento County. The Report for the most part has accurately identified the areas of the Plan that are in need of revision. However, staff believes the following additional areas should be revised to bring the Plan into compliance with State Policy:

1. A discussion of the amounts of asbestos wastes generated in the County and the sites designated for disposal of this material as required by Government Code Section 66780.5(e).
2. A program for the safe management of household hazardous wastes as required by Government Code Section 66780.5(b).
3. The present and proposed septage and sludge disposal program within the County as required by CAC Section 17134(g).



COUNTY OF SACRAMENTO

DEPARTMENT OF PUBLIC WORKS

SOLID WASTE MANAGEMENT DIVISION H. Dennis Kerton, Chief
9333 Tech Center Drive Suite 100
Sacramento, CA 95826-2558
(916) 366-2625

May 4, 1987

California Waste Management Board
1020 9th Street, Suite 300
Sacramento, CA 95814

The attached County Solid Waste Management Plan (CoSWMP) Review Report prepared in accordance with Section 17141(b), Chapter 2, Title 14 of the California Administrative Code is submitted for your review and approval. The report consists of three parts:

- I - A review of the 1983 CoSWMP revisions addressing the eight topics specified in the code.
- II - A sectional review of the 1983 edition describing the areas requiring revision, change, addition or data update.
- III - A discussion of major issues currently in progress which may effect the accuracy of the CoSWMP revision, if applicable.

Since the last revision of the CoSWMP prepared in 1983, it is believed significant changes have occurred which warrant a new revision. The major area of change is due to options being considered by the City of Sacramento for replacement of their soon to close landfill. Less significant, but still important issues are the automation of collection and the effects of the greater than projected population growth within the County. Additionally, the following situations may also effect the CoSWMP:

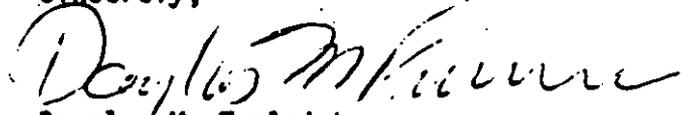
- 1) Sacramento City Landfill is near full capacity. The city is in the process of reviewing a site for a transfer station for the transfer of City waste to the County landfill.
- 2) The County curbside recycling project, which has been in progress for three years in a limited section of the County, has just been studied. The Board of Supervisors has expressed intent to continue with this service.
- 3) Recent legislation has enacted additional standards in the Management of Solid Waste. Implementation of the requirements are in the planning stage at this time.

Enclosed you will find the notice letters to the incorporated cities and interested parties in the County addressing the CoSWMP review process. A list of the contacts is enclosed for your review along with the written replies.

Calif. Waste Mgmt. Board
April 8, 1987
Page 2 of 2

We look forward to your response to the Plan Review Report. If you have any questions or if we may be of further assistance please contact Patrick Maxfield at (916) 366-2625.

Sincerely,


Douglas M. Fraleigh

Attachment
DMF:PLM:dh
2220A

cc: SWAC
Solid Waste Division

a) Adequacy of Data Base

The data base will require revision throughout the CoSWMP. Questionnaires are being sent to all public and private agencies to inventory collection, storage and transfer systems along with costs of operation and rates charged. A review of municipal waste compostion, and per capita generation rates for each waste area of the county will be revised if necessary. Present and projected populations for each waste area will be updated. This will be necessary to project waste generation and remaining life of the disposal sites.

A recent report (March 1987) on resource recovery has reviewed the present curbside recycling pilot project along with other options the County may use. This information along with updates on tonnage figures and the economic analysis of the project will be included. Projections and the effect of the Bottle Bill (AB 2020) will also be reviewed.

b) Consistency with State Policies

Since 1983 new legislation has significantly changed the requirements imposed on the management of solid waste. Such bills as AB 1309, 2948 (Tanner Act), AB 3525 (Calderon) and Subchapter 15 of Chap. 3, Title 23 of the California Administrative code have enacted stringent control and monitoring procedures for active and inactive landfills. Further review of State legislation will be necessary to include their effects in the revision of the CoSWMP. Time tables to submit preliminary reports and enact monitoring requirements are presently being developed.

c) Economic Changes

Recent conversion to automation for collection, remodeling of a transfer station and the increased costs of operation, due in part to recent state requirements, have all caused substantial operating cost increases in the County. Feasibility studies need to be revised for alternatives to landfill disposal. A modification to the CoSWMP section on System Financing requires a breakdown into short, medium and long term segments.

d) Implementation Schedule

To coordinate and organize current future objectives a presidence diagram will to be added to the CoSWMP. Major components along with the short term items will be discussed.

e) Current and Future Administrative Responsibilities

The administrative chain of responsibility identified in the 1983 CoSWMP revision is still in effect. Future changes are unlikely except for actual appointments to each position. The actual responsibilities for each level need to be addressed and included in the revision.

f) Changes in Fund Sources

The funding sources as discussed in the 1983 CoSWMP has remained in effect. No foreseen charges are expected. No revision will be necessary.

g) Future Facilities

As of this date no changes have occurred to the number or locations of waste handling facilities within the County since the 1983 CoSWMP revision. This will soon change for the City of Sacramento due to the near capacity of their landfill. The City is currently reviewing their options of waste disposal which will be addressed in the revised plan. In respect, the County landfill has another 20 years of permitted life. A new operating plan now under review will, if approved, increase this life to 60 years. No other disposal facilities are being planned at this time. Recent proposals of creating a composting operation and recycling centers at the County landfill and transfer stations have been suggested. L & D, a privately owned landfill, has recently expanded by another 50 acres. This expansion has extended the life of the site another 7-10 years.

During the review process additional information on the items just mentioned will be added to the revised CoSWMP.

h) Elements of the Plan That Were Not Implemented/Accomplished

The expected closure of Sacramento City landfill in 1984 was extended due to minor site expansion. The revised closure date is set for 1990. City disposal options will be thoroughly discussed in the plan revision.

The waste-to-energy facility proposed in the 1983 CoSWMP has been postponed indefinitely due to insufficient project revenues and the severe air emission control permitting impediments.

Part II.

HISTORY

A revision of this section will contain the development of the management of solid waste in the County historically up through the last CoSWMP. A detail of the use, significant records and the monitoring of all disposal sites including important correspondence with the RWQCB and the CWMB on major topics will be discussed.

PURPOSE

A minor change for this section will be to mention the inclusion of a Household Hazardous Waste Plan. This plan and its addition to the revised CoSWMP is based on new legislation (AB 1809, Tanner).

GUIDELINES

In a recent report of the County Resource Recovery Program the author mentioned the most important finding was the need for adopting goals and objectives. This can also be said for the management of solid waste. This fact is mainly due to major changes brought about by legislative actions addressing the handling of solid waste in the state.

In the revised plan, recycling goals and objectives will be developed on specific topics such as waste reduction, conversion of wastes, recycling and methods to improve the efficiency of waste management. The goals and objectives will be categorized under short, medium and long term according to the specific section which they pertain to (i.e. under long term goals for Resource Recovery: reduce the current solid waste tonnage/person by 25% through recycling by the year 2000). The objectives will be on specific topics and realistic in achievability. All goals and objectives will be listed according to priorities believed to best protect the health and welfare of the County keeping in mind the funds available to achieve this primary goal.

BASIC RESOURCE RECOVERY PROGRAM

This section will be contained elsewhere in pertinent sections of the revised plan such as History, Changes From The 1983 Plan, Guidelines and Existing System.

MISC. PROGRAM STATEMENTS

Many of the listed statements in this section will be incorporated into the section on Guidelines and categorized as long term goals or objectives. The remaining items will be included in the History section or found in the body of the revised plan resulting in the deletion of this section.

CHANGES FROM THE 1983 PLAN

In four years the changes in regulations, policy direction, technology and financing have been substantial. This section will be revised to discuss the changes and developments in collection, transfer, disposal, resource recovery and management.

EXISTING ADMIN.

The administration for solid waste management within the cities and County has not undergone any significant changes. Responsibilities within the County Solid Waste Management Division have changed and will be addressed in this section.

EXISTING SYSTEM

A questionnaire has been sent to all collectors again, to gather data regarding the existing collection system. Data gathered from the survey will be used in the plan revision.

A major change is occurring in both storage and collection as the City of Sacramento and the County are converting over to automation for the collection of residential wastes. As a result storage and collection equipment, routing and the labor force has changed.

Perhaps the most significant reason for the plan revision is to incorporate the effects of the scheduled closure of Sacramento City's Landfill in 1990. The city council has authorized the construction of a transfer station within the city for disposal at the County's Kiefer Landfill. The siting assessment and Environmental Impact Report for the transfer station location is scheduled to be completed in early 1988. Other transfer station sites within the County have not changed.

In the revised plan the Solid Waste Management Division will provide tables or fact sheets on all known active and inactive disposal sites in the County. This appears to have been useful in reviewing other CoSWMP's of the state. Information to be included will be: site, location, site classification, waste types, owner, operator, year opened, permits, monitoring program, remaining or past capacity, incoming wastes, projected or closure date and disposal fees, if applicable.

As a result of public concern over toxic wastes the County, through the Environmental Health branch of the Health Dept., has established a bi-annual drop-off and disposal service of household hazardous wastes for all residents within the County. This program along with a program for the safe management and enforcement of household hazardous waste will be included in the revised plan as required by AB 1809 (Tanner).

Resource recovery has expanded significantly within the County and City of Sacramento in such areas as curbside recycling and landfill gas recovery. However, salvage operations have declined due to lack of public cooperation and State imposed regulations. Further discussion in these areas and other topics along with the effect of AB 2020 (the Bottle Bill) is necessary for the revised plan.

SYSTEM FINANCING

No significant changes have occurred in the financial structure of the management of solid wastes. However, major changes have occurred in the budgeting and financing of short, medium and long term projects. Actual costs and fees generated will be included and discussed under each of these three categories. Supplemental grants and donations will be included.

FUTURE FACILITIES

As mentioned earlier the City of Sacramento newly proposed transfer station will be discussed in the revised plan along with a discussion on the postponement of the Waste-to-Energy project. The County has no plans at this time for adding future facilities, however, the expansion and remodeling of one of their transfer stations is scheduled for 1988-89.

ENFORCEMENT PROGRAM

State standards have continued to reflect concerns for the environment and have strengthened the monitoring and surveillance of the disposal of solid wastes. Since the enactment of Title 23 of the State Administrative Code, Chap. 3, Subchapter 15 in 1984 and the recent adoption of AB 3525 (Calderon), the RWQCB has taken an overly active role in enforcing its policies. The revision of this section on the Enforcement Program will reflect this change and update other changes along with enforcement program for household hazardous waste as required from AB 1809 (Tanner).

REFUSE QUANTITIES & PROJECTIONS

The 44 waste generation areas and the five collection area boundaries will remain the same for the revised plan. Population data for these areas will be obtained from the present projected population summary by Sacramento Area Council of Government (SACOG). A current revision of this publication will be available in May 1987 for the revision of the CoSWMP. There are no plans to revise the per capita generation rates or the municipal waste composition percentages of solid waste for each area unless data is obtained showing significant changes. From these and the SACOG publication major work will be required to review the present and projected waste generation rates, composition and quantities for each collection area.

Waste directed to the resource recovery program will also be discussed.

PART III.

As the result of the planned closure of the City of Sacramento landfill, current legislative actions, the County budget process and the recent report on the County resource recovery program, a number of changes may occur during the revisionary period of the CoSWMP.

The County Resource Recovery program may undergo many changes in the next nine months. Funding for the current curbside recycling program has been budgeted through 1987-88. The Board of Supervisors has expressed an interest to continue the program into the long term. At this time the impact of AB 2020 (the bottle bill) is under study to determine its affects on the curbside recycling program. The recent report by Amy Hewes on the County's Resource Recovery program has made various suggestions which can affect the program. Studies will be necessary to determine the feasibility of such items as: developing public recycling drop off centers at the County transfer stations and the landfill, or a composting operation at the landfill to be included in the soil stabilization study.

Sacramento City Council has approved the construction of a transfer station for the City, however, the location has not been determined, the location will be the subject of a siting assessment and Environmental Impact Report scheduled to be completed by early 1988.

The City of Sacramento has contracted for the installation of a landfill gas recovery system for their landfill. It is not known what information of the system will be available for the revised plan.

During the next nine months the County Solid Waste Management Division will undergo extensive dialogues with the CWMB and RWQCB on waste discharge permits, closure plans for inactive sites, monitoring programs for landfill gas and groundwater and reports of operation. Throughout this time period pertinent information for the CoSWMP revision may occur. The policy will be to include all changes to the revised plan up through the deadline for public comment of the final draft. This deadline is shown on the enclosed timetable schedule which illustrates the timetable set forth by Title 14 and a suggested timetable which is to be the expected version used by the County during the revisionary period.

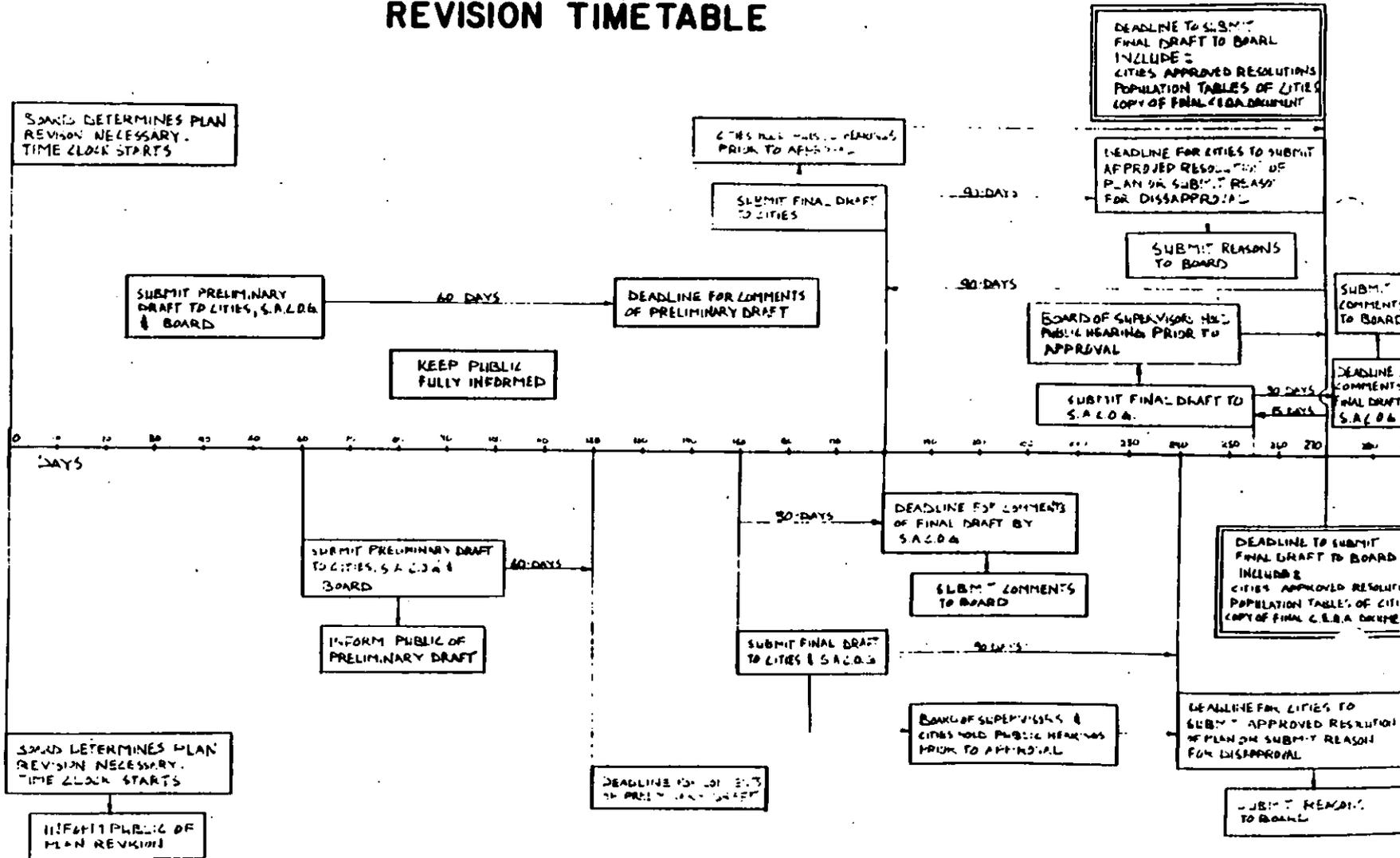
DRL:dh
2220A

COUNTY SOLID WASTE MANAGEMENT PLAN REVISION TIMETABLE

TITLE 14 TIMETABLE

CONTACT LETTER TO
CITIES & INTERESTED
PARTIES
SUBMIT PLAN REVIEW
REPORT

SUGGESTED TIMETABLE



PLAN REVIEW REPORT NOTICE CONTACTS

County Board of Supervisors

Incorporated City Councils:

Sacramento City Council
City Hall, Room 205
915 I Street
Sacramento, CA 95814

Folsom City Council
City Hall
50 Natoma
Folsom, CA 95630

Isleton City Council
P.O. Box 97
Isleton, CA 95641

Galt City Council
City Hall
P.O. Box 97
Galt, CA 95632

Contiguous County Board of Supervisors:

Amador
108 Court Street
Jackson, CA 95642
(209)223-3230

Contra Costa
651 Pine Street
Martinez, CA 94553

El Dorado
330 Fair Lane
Placerville, CA 95667
626-2464

Placer
175 Fulweiler Avenue
Auburn, CA 95603
823-4641

San Joaquin
222 E. Weber, Room 701
Stockton, CA 95202
944-3141

Solano
County Courthouse
Fairfield, CA 94533
(707) 429-6218

Sutter
215 5th Street
Marysville, CA 95901
741-6461

Yolo
725 Court Street, Room 104
Woodland, CA 95695
666-8407

Solid Waste Advisory Committee

Andy Annigoni
4335 Lantzy Court
Sacramento, CA 95864

Peter Young
3900 17th Avenue
Sacramento, CA 95820

Selby Fermer
3767 Erlewine Circle
Sacramento, CA 95819

Bruce W. Risley
11855 White Rock Road
Rancho Cordova, CA 95670

Donald L. Prachar, Jr.
1017 Amador Avenue
Galt, CA 95632

John Price
265 Hartnell Place
Sacramento, CA 95825

Marjorie Dickinson
781 Woodlake Drive
Sacramento, CA 95815

Karolyn Simon
1400 45th Street
Sacramento, CA 95819

Sacramento County:

Agricultural Commissioner: 09-7621
Air Pollution Control District: 57-001
County Counsel: 09-2650
General Services - Emergency Operations Division: 55-002
Health Department - Environmental Health: 62-210C
Planning and Community Development Department: 01-230

Public Works: Solid Waste Management Division: 56-001
Water Quality Division: 64-123
Water Resource Division: 01-301

Personnel: B.H. Richter: 09-7650A
D.M. Fraleigh: 01-304
W.C. Wanderer: 01-304
H.D. Kerton: 56-001
P.L. Maxfield: 56-001
G.E. Lynch: 56-001

State Agencies:

Cy Armstrong
Waste Management Board
1020 9th Street
Sacramento, CA 95814
322-3330

Department of Health Services
Toxic Substance Control Division
744 P Street
Sacramento, CA 95814
322 - 2040

Regional Water Quality Control Board
Central Valley Region
3443 Routier Rd.
Sacramento, CA 95827-3098

Regional Agencies:

Golden Empire Health Planning
2100 21st
Sacramento, CA 95818

Sacramento Area Council of Government
106 K Street
Sacramento, CA 95814

City Agencies:

John Boss
Sacramento City Public Works
915 I Street, Room 207
Sacramento, CA 95814

Military Bases:

McClellan
Colonel J.T. Lawell
Director Environmental Management
McClellan AFB
Sacramento, CA 95652

Mather
Captain Gains
323 ABG/CC
Mather AFB
Sacramento, CA 95655-5000

Army Depot
Commander
Sacramento Army Depot
Attn: Public Affairs
Fruitridge Road
Sacramento, CA 95813-5012
383-2324

10 Largest Non-manufacturing, Non Public, County Employers:

Pacific Telephone
c/o Rod Carmody
2700 Watt Ave., Rm. 2302
P.O. Box 15038
Sacramento, CA 95851

Mercy Health Care Organization
6599 Coyle Avenue
Carmichael, CA 95608

Southern Pacific Transportation Company
401 I Street
Sacramento, CA 958145

Kaiser Permanente Medical Group
2025 Morse Avenue
Sacramento, CA 95825

Sutter Hospitals
Sutter General Hospital
c/o Jack Pontious
2801 L Street
Sacramento, CA 95816

Sutter Memorial Hospital
c/o Barbara Ulshoffer
52nd & F
Sacramento, CA 95819

Eskaton Health Corporation
Admin. Center & Foundation
5105 Manzanita Avenue
Carmichael, CA 95608

Bank of America
Regional Admin.
3600 American River Dr.
Sacramento, CA 95825

P G & E
5555 Florin-Perkins Road
Sacramento, CA 95826

AT & T
Corporate Headquarters/Gov't Relations
1121 L Street
Sacramento, CA 95814

10 Largest Manufacturing Employers

Aerojet Strategic Propulsion Company
Pat Thomas, Bldg 4610, Dept. 1520
Sacramento Environmental Operations
P.O. Box 15699C
Sacramento, CA 95813

California Almond Growers Association
1802 C Street
Sacramento, CA 95814

Campbell Soup
Attn: Mr. Tierney
6200 Franklin Blvd.
Sacramento, CA 95824

Hewlett Packard Co.
8000 Foothills Blvd.
786-8000

A. Teichert & Sons. Inc.
c/o Steve Shower
P.O. Box 15002
Sacramento, CA 95851

Aerojet Tech Systems
P.O. Box 13222
Rancho Cordova, CA 95670

McClatchy Newspaper
2100 Q Street
Sacramento, CA 95816

Aerojet Tactical Systems Co.
Attn: Manager of Waste Control
P.O. Box 13400
Sacramento, CA 95813

Formica Corp.
Sunset Industrial Park
Lincoln, CA 95648

Sacramento Union
301 Capital Mall
Sacramento, CA 95814

Private:

Refuse Collection Permittees

Larry Annigoni
A & A Recycling Systems
2445 Harvard Street
Sacramento, CA 95815

Lawrence Ellis, Jr.
Allied Environmental Waste Services
3814 36th Street
Sacramento, CA 95820

Jerry Mayberry
Environmental Management Corp.
11855 White Rock Road
Rancho Cordova, CA 95670

John Guest
BFI Waste Systems
8536 Elder Creek Road., Ste. 200
Sacramento, CA 95828

Matt Condo
C & C Disposal Services Inc.
P.O. Box 234
Rocklin, CA 95877

Leo Landi
C & L Disposal
P.O. Box 1122
Roseville, CA 95661

Don Camarillo
Camarillo Sanitary Service
P.O. Box 104
Hood, CA 95639

Orval Crone
Crone & Son Disposal
5549 McKay Street
Fair Oaks, CA 95628

Luana Pinasco
Independent Disposal Service
9655 Elk Grove/Florin Road, #5
Elk Grove, CA 95624

John Rowe
Sacramento Valley Environ. Waste
P.O. Box 84
W. Sacramento, CA 95691

Ernest Meedel
Sunrise Waste & Container Service
4265 Attawa
Sacramento, CA 95822

Thomas Halbasch
Tri-C Machine Corp.
520 Harbor Blvd.
West Sacramento, CA 95691

Bill Beecroft
Western Waste Management
6805 Hazel Avenue
Sacramento, CA 95662

Bill Burrows
Waste Management of Sacramento
860 North 10th Street
Sacramento, CA 95814

Landfill Operators

Chet Hulsey
B & C Landfill
8597 Jackson Road
Sacramento, CA

Norm Lien
L & D Landfill Company
8635 Fruitridge Road
Sacramento, CA

Other:

ECOS
1823 11th Street
Sacramento, CA 95814

League of Women Voters
2206 K Street
Sacramento, CA 95814

Turner & Sullivan
1000 G Street
Sacramento, CA 95814

2142A



COUNTY OF SACRAMENTO

DEPARTMENT OF PUBLIC WORKS

COUNTY ADMINISTRATION BUILDING • ROOM 304 • 827 SEVENTH STREET
SACRAMENTO, CALIFORNIA 95814 TELEPHONE: (916) 440-6881

December 9, 1986

Folsom City Council Members
City Hall
50 Natoma
Folsom, CA 95630

Honorable City Council Members:

State law requires a review of the Sacramento County Waste Management Plan every three years to determine if a revision is necessary. The Solid Waste Management Division (SWMD) of the County of Sacramento Department of Public Works is in the process of reviewing the Solid Waste Element (white pages) of this plan. The State also requires that all incorporated cities in the County be allowed to provide input into the review process. Accordingly, we are requesting that interested cities review the enclosed 1983 plan for comment.

It is believed significant changes have occurred since the 1983 plan which warrant a revision of the Management Plan. These changes are among the following items that are to be addressed in the initial review:

- 1) adequacy of data base
- 2) consistency with state policies
- 3) economic changes
- 4) implementation schedule
- 5) current and future administrative responsibilities
- 6) changes in funding sources
- 7) future facilities
- 8) elements of the Plan that were not implemented or successfully accomplished and why

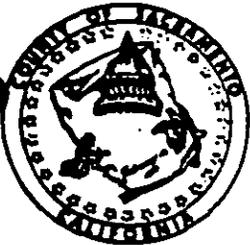
Please address all concerns and comments to the Department of Public Works, Solid Waste Management Division, 9333 Tech Center Drive, Suite 100, Sacramento, CA 95826. Upon receipt of comments from all concerned, the Department of Public Works (DPW) will prepare a Plan Review Report including the concerns of the incorporated cities and any other comments received by interested parties. The Plan Review Report will be submitted to the California Waste Management Board (CWMB) for approval. After approval the DPW will have nine (9) months to submit an approved revision. The four cities in the County will play a significant role during the plan revision process.

We look forward to your cooperation in the preparation of the County's revision of the Solid Waste Management Plan. For further information please contact David Lancaster at 366-2625.

Sincerely,

DMF:DL:dh
2122A

Douglas M. Fraleigh



COUNTY OF SACRAMENTO

DEPARTMENT OF PUBLIC WORKS

COUNTY ADMINISTRATION BUILDING • ROOM 304 • 827 SEVENTH STREET
SACRAMENTO, CALIFORNIA 95814

TELEPHONE: (916) 440-8801

December 9, 1986

Isleton City Council Members
P.O. Box 97
Isleton, CA 95641

Honorable City Council Members:

State law requires a review of the Sacramento County Waste Management Plan every three years to determine if a revision is necessary. The Solid Waste Management Division (SWMD) of the County of Sacramento Department of Public Works is in the process of reviewing the Solid Waste Element (white pages) of this plan. The State also requires that all incorporated cities in the County be allowed to provide input into the review process. Accordingly, we are requesting that interested cities review the enclosed 1983 plan for comment.

It is believed significant changes have occurred since the 1983 plan which warrant a revision of the Management Plan. These changes are among the following items that are to be addressed in the initial review:

- 1) adequacy of data base
- 2) consistency with state policies
- 3) economic changes
- 4) implementation schedule
- 5) current and future administrative responsibilities
- 6) changes in funding sources
- 7) future facilities
- 8) elements of the Plan that were not implemented or successfully accomplished and why

Please address all concerns and comments to the Department of Public Works, Solid Waste Management Division, 9333 Tech Center Drive, Suite 100, Sacramento, CA 95826. Upon receipt of comments from all concerned, the Department of Public Works (DPW) will prepare a Plan Review Report including the concerns of the incorporated cities and any other comments received by interested parties. The Plan Review Report will be submitted to the California Waste Management Board (CWMB) for approval. After approval the DPW will have nine (9) months to submit an approved revision. The four cities in the County will play a significant role during the plan revision process.

We look forward to your cooperation in the preparation of the County's revision of the Solid Waste Management Plan. For further information please contact David Lancaster at 366-2625.

Sincerely,

DMF:DL:dh
2122A

Douglas M. Fraleigh



COUNTY OF SACRAMENTO

DEPARTMENT OF PUBLIC WORKS

COUNTY ADMINISTRATION BUILDING • ROOM 304 • 827 SEVENTH STREET
SACRAMENTO, CALIFORNIA 95814

TELEPHONE: (916) 440-6881

December 9, 1986

Galt City Council Members
City Hall
P.O. Box 97
Galt, CA 95632

Honorable City Council Members:

State law requires a review of the Sacramento County Waste Management Plan every three years to determine if a revision is necessary. The Solid Waste Management Division (SWMD) of the County of Sacramento Department of Public Works is in the process of reviewing the Solid Waste Element (white pages) of this plan. The State also requires that all incorporated cities in the County be allowed to provide input into the review process. Accordingly, we are requesting that interested cities review the enclosed 1983 plan for comment.

It is believed significant changes have occurred since the 1983 plan which warrant a revision of the Management Plan. These changes are among the following items that are to be addressed in the initial review:

- 1) adequacy of data base
- 2) consistency with state policies
- 3) economic changes
- 4) implementation schedule
- 5) current and future administrative responsibilities
- 6) changes in funding sources
- 7) future facilities
- 8) elements of the Plan that were not implemented or successfully accomplished and why

Please address all concerns and comments to the Department of Public Works, Solid Waste Management Division, 9333 Tech Center Drive, Suite 100, Sacramento, CA 95826. Upon receipt of comments from all concerned, the Department of Public Works (DPW) will prepare a Plan Review Report including the concerns of the incorporated cities and any other comments received by interested parties. The Plan Review Report will be submitted to the California Waste Management Board (CWMB) for approval. After approval the DPW will have nine (9) months to submit an approved revision. The four cities in the County will play a significant role during the plan revision process.

We look forward to your cooperation in the preparation of the County's revision of the Solid Waste Management Plan. For further information please contact David Lancaster at 366-2625.

Sincerely,

DMF:DL:dh
2122A

Douglas M. Fraley



COUNTY OF SACRAMENTO

DEPARTMENT OF PUBLIC WORKS

COUNTY ADMINISTRATION BUILDING • ROOM 304 • 827 SEVENTH STREET
SACRAMENTO, CALIFORNIA 95814 TELEPHONE: (916) 440-6581

December 9, 1986

Sacramento City Council Members
City Hall, Room 205
915 I Street
Sacramento, CA 95814

Honorable City Council Members:

State law requires a review of the Sacramento County Waste Management Plan every three years to determine if a revision is necessary. The Solid Waste Management Division (SWMD) of the County of Sacramento Department of Public Works is in the process of reviewing the Solid Waste Element (white pages) of this plan. The State also requires that all incorporated cities in the County be allowed to provide input into the review process. Accordingly, we are requesting that interested cities review the enclosed 1983 plan for comment.

It is believed significant changes have occurred since the 1983 plan which warrant a revision of the Management Plan. These changes are among the following items that are to be addressed in the initial review:

- 1) adequacy of data base
- 2) consistency with state policies
- 3) economic changes
- 4) implementation schedule
- 5) current and future administrative responsibilities
- 6) changes in funding sources
- 7) future facilities
- 8) elements of the Plan that were not implemented or successfully accomplished and why

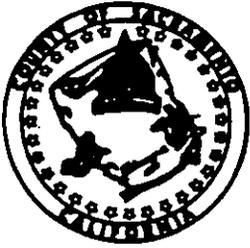
Please address all concerns and comments to the Department of Public Works, Solid Waste Management Division, 9333 Tech Center Drive, Suite 100, Sacramento, CA 95826. Upon receipt of comments from all concerned, the Department of Public Works (DPW) will prepare a Plan Review Report including the concerns of the incorporated cities and any other comments received by interested parties. The Plan Review Report will be submitted to the California Waste Management Board (CWMB) for approval. After approval the DPW will have nine (9) months to submit an approved revision. The four cities in the County will play a significant role during the plan revision process.

We look forward to your cooperation in the preparation of the County's revision of the Solid Waste Management Plan. For further information please contact David Lancaster at 366-2625.

Sincerely,

DMF:DL:dh
2122A

Douglas M. Fraleigh



COUNTY OF SACRAMENTO

DEPARTMENT OF PUBLIC WORKS

SOLID WASTE MANAGEMENT DIVISION H. Dennis Kerton, Chief
9333 Tech Center Drive Suite 100
Sacramento, CA 95826-2558
(916) 366-2625

January 13, 1987

To Whom It May Concern:

State law requires a review of the Sacramento County Waste Management Plan every three years to determine if a revision is necessary. The Solid Waste Management Division (SWMD) of the County of Sacramento Department of Public Works is in the process of reviewing the Solid Waste Element (white pages) of this plan. The State also requires that all incorporated cities in the County and interested parties be allowed to provide input into the review process. Accordingly, we are requesting that you review the 1983 plan for comment.

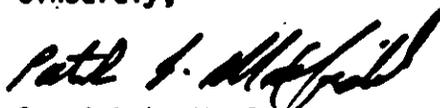
It is believed significant changes have occurred since the 1983 plan which warrant a revision of the Management Plan. These changes are among the following items that are to be addressed in the initial review:

- 1) adequacy of data base
- 2) consistency with state policies
- 3) economic changes
- 4) implementation schedule
- 5) current and future administrative responsibilities
- 6) changes in funding sources
- 7) future facilities
- 8) elements of the Plan that were not implemented or successfully accomplished and why

Please address all concerns and comments to the Department of Public Works, Solid Waste Management Division, 9333 Tech Center Drive, Suite 100, Sacramento, CA 95826. Upon receipt of comments from all concerned, the Department of Public Works (DPW) will prepare a Plan Review Report including the concerns of the incorporated cities and any other comments received by interested parties. The Plan Review Report will be submitted to the California Waste Management Board (CWMB) for approval. After approval the DPW will have nine (9) months to submit an approved revision. All interested parties will be able to play a significant role during this plan revision process.

We look forward to your cooperation in the preparation of the County's revision of the Solid Waste Management Plan. For further questions or a copy of the 1983 Plan, please contact David Lancaster at 366-2625.

Sincerely,


Patrick L. Maxfield

DMF:DL:dh
2122A



COUNTY OF SACRAMENTO

DEPARTMENT OF PUBLIC WORKS

SOLID WASTE MANAGEMENT DIVISION H. Dennis Kerton, Chief
9333 Tech Center Drive Suite 100
Sacramento, CA 95826-2558
(916) 366-2625

February 17, 1987

Incorporated Cities and Interested Parties:

Sacramento County Public Works, Solid Waste Management Division will conduct a hearing for all interested parties that would like to provide input into the review process of the Solid Waste element of the County Solid Waste Management Plan.

The hearing will be a part of the agenda during the monthly Solid Waste Advisory Committee meeting to be held 3-9-87 at 700 H Street, Hearing Room 2 (next to Board of Supervisors chambers) starting at 11:30 a.m. Verbal comments should be accompanied in writing and submitted at the time of the meeting or mailed no later than 3-13-87 to:

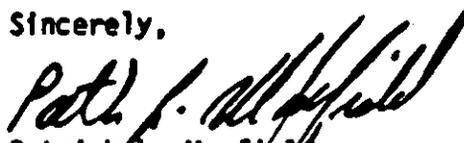
Sacramento County
Solid Waste Management Division
9333 Tech Center Drive, Suite 100
Sacramento, CA 95826

The deadline for receiving comments for the Plan Review Report is 3-16-87.

As mentioned in our earlier letter, the plan review report will be submitted to the CMB for approval. After approval and during the revisionary process all interested parties will be able to comment and have input during the periods shown on the enclosed CoSMP revision timetable.

For further questions please contact David Lancaster at 366-2625.

Sincerely,



Patrick L. Maxfield
Sr. Civil Engineer

PLM:DRL:dh
2198A

cc: H.D. Kerton
D.R. Lancaster



DEPARTMENT OF
PUBLIC WORKS

CITY OF SACRAMENTO
CALIFORNIA

1231 I STREET
SUITE 103
SACRAMENTO, CA
95814-2933

SOLID WASTE DIVISION

916-449-5757

March 23, 1987
SW:87051:JB:LG

JOHN F. BOSS
SOLID WASTE
DIVISION MANAGER

Mr. Patrick Maxfield,
Senior Civil Engineer
County of Sacramento
Solid Waste Management Division
9333 Tech Center Drive, Suite 100
Sacramento, CA 95826-2558

Dear Mr. Maxfield:

The City of Sacramento, Solid Waste Division has reviewed the current County Solid Waste Management Plan, and provides the following comments supporting a potential update of the plan:

1. The City's 28th and A Street Landfill is expected to reach capacity in 1990. A closure plan has been prepared and submitted to the Regional Water Quality Control Plan.
2. The City has reviewed a number of disposal options to determine the most feasible for implementation at the close of the 28th and A Street Landfill. These included the following:
 - a. A new landfill at the Granite Gravel Pits and two other locations within the City were considered infeasible, and further study terminated.
 - b. Waste-to-Energy for the City was postponed indefinitely due to insufficient projected revenues, and due to severe air emission control permitting impediments.
 - c. Waste processing options were reviewed and rejected due to technical and economic problems.
 - d. A transfer station option was considered the best interim solution to the City's disposal dilemma.

Patrick Maxfield
March 23, 1987
Page 2

3. The City Council has authorized the construction of a transfer station , with disposal at the County's Kiefer Road Landfill. The location of a transfer station will be the subject of a siting assessment and Environmental Impact Report, scheduled to be completed in early 1988.
4. The City is actively converting its collection system to automated. The conversion is anticipated to be completed by the end of 1989.
5. The City has contracted with Laidlaw Gas Recovery Systems to install a landfill gas recovery system at the City's Landfill.
6. Enforcement at the City's Landfill is now the responsibility of the County Environmental Health department for both health and non-health standards.
7. Litter control and nuisance abatement have been transferred from the Solid Waste Division to the Nuisance Abatement Division.
8. The City's Street Cleaning operations have been transferred to the Solid Waste Division.

The City request that the above items be reflected in the plan review report to be submitted to the California Waste Management Board. Please call me at 449-2043 if you have questions.

Sincerely,



John P. Boss,
Solid Waste Division Manager

JFB:lg

cc: Melvin H. Johnson, Director of Public Works
Reginald Young, Deputy Director of Public Works
Paul Smilanich, Chief of Solid Waste Collection
Chris Choate, Chief of Solid Waste Disposal

JB:21

1. Included in review report. Will be included in plan revision.
2. a. Will be included in plan revision
b. Included in review report. Will be included in plan revision.
c. Will be included in plan revision.
d. Will be included in plan revision.
3. Included in review report. Will be included in plan revision.
4. Included in review report. Will be included in plan revision.
5. Included in review report. Will be included in plan revision.
6. Included in review report. Will be included in plan revision.
7. Included in review report. Will be included in plan revision.
8. Included in review report. Will be included in plan revision.



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS SACRAMENTO AIR LOGISTICS CENTER (AFLC)
McCLELLAN AIR FORCE BASE, CALIFORNIA 95652-3900

107 MAR 17 AM 10:27

16 MAR 1987

REPLY TO
ATTN OF: EM

SUBJECT: Review of Solid Waste Element of County Solid Waste Management Plan (Your Letters, January 13, 1987 and February 17, 1987)

TO: Sacramento County
Department of Public Works
Solid Waste Management Division
9333 Tech Center Drive, Suite 100
Sacramento CA 95826-2558

1. McClellan AFB has active paper, metal and solvent recycling programs.
2. We are being adequately serviced by the County's solid waste disposal system. Please include us in the review cycle of any proposed changes to your solid waste program that could impact our operations.
3. Page 3 of 1983 Plan, Priorities: Waste reduction at the generator should be given a higher priority in the 1987 Plan considering it is the source of the problem. We suggest education of the generator emphasizing the reduced availability of disposal options. The generators need to understand that the cost of disposal will increase significantly as disposal options decrease.
4. Our point of contact for this review is Paul Seday, SM-ALC/EME, (916) 643-1250.

J. Thomas Lawell
J. THOMAS LAWELL, Colonel, USAF
Director, Environmental Management

UNITED STATES AIR FORCE



SEPTEMBER 18, 1947

1. Will be included in the plan revision.
2. Confirmed. Will be included in all written notices of plan revision.
3. Suggestions will be included in the revised guideline section. Future increase in disposal costs will be discussed in revised plan.
4. Noted.



**AEROJET-GENERAL
SACRAMENTO
ENVIRONMENTAL
OPERATIONS**

P.O. BOX 190000 DEPT. 1228-0100 48070 SACRAMENTO, CA 95870

13 March 1987

Mr. Patrick L. Maxfield
Sacramento County
Solid Waste Management Division
9333 Tech Center Drive, Suite 100
Sacramento, CA 95826

Dear Mr. Maxfield:

Aerojet has reviewed the 1983 revision of the Solid Waste Management Plan and submits the following information for inclusion in the 1987 plan update:

Page 15, paragraph 3:

- "Aerojet Liquid Rocket Company" should be changed to read "Aerojet-General Sacramento Operations".
- The landfill is now designated "Class III," replacing the earlier classification "Class II-2".
- The second sentence should be amended to read "Waste for disposal consists of kitchen wastes, paper and cardboard items, glass, plastic, wood, and metal (excluding machine shop chips)."
- The third sentence should be amended to read "Estimated volume is 51,000 cubic yards per year of uncompacted waste, or an average input of 7 tons per day."

If you have any questions, please contact me at (916) 355-4621 or Coni Manders at (916) 355-5845.

Sincerely,

E. L. Meyer
E.L. Meyer, Manager
Contemporary Programs

ELM:kla

17 8 1987 81 0000 1000

SEO/2-55.14

*Received by
John Johnson*

RESPONSE TO AEROJET GENERAL

-- Noted.

-- Noted.

-- To be corrected in revised plan.

-- Further discussion will be necessary before data is corrected in revised plan.

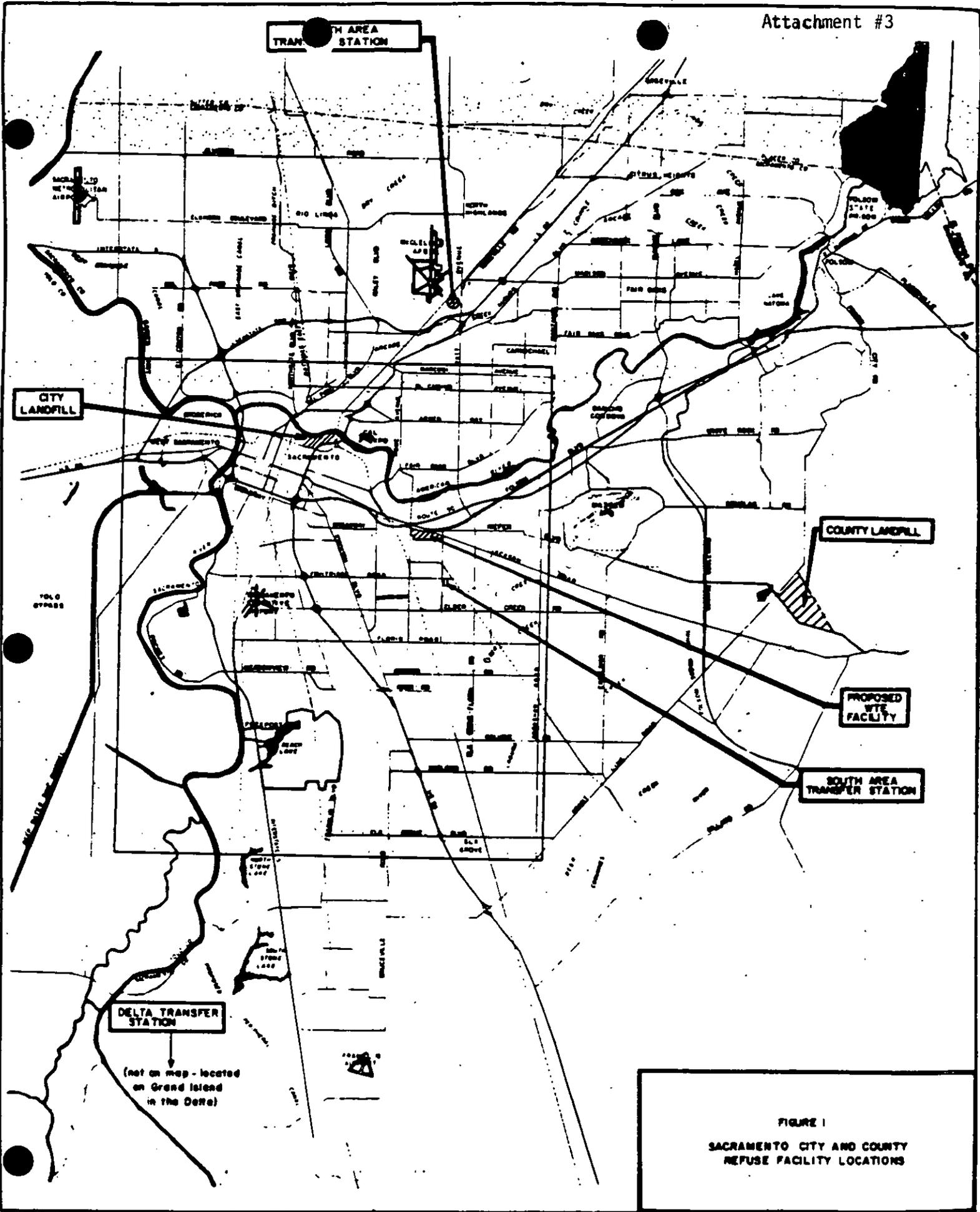


FIGURE I
SACRAMENTO CITY AND COUNTY
REFUSE FACILITY LOCATIONS

CALIFORNIA WASTE MANAGEMENT BOARD

RESOLUTION 87-36

AUGUST 13-14, 1987

Resolution of Acceptance of the Sacramento County Solid Waste Management Plan Review Report.

WHEREAS, the Board finds that it has approved the revised Sacramento County Solid Waste Management Plan on January 12, 1984 as meeting the requirements of the Nejedly-Z'Berg-Dills Solid Waste Management and Resource Recovery Act of 1972; and

WHEREAS, the Board finds that the County of Sacramento has reviewed its County Solid Waste Management Plan and submitted a report to the Board pursuant to Government Code section 66780.5(b); and

WHEREAS, the Board finds that the County of Sacramento has determined that to be consistent with State Policy, the County Solid Waste Management Plan is in need of revision; and

WHEREAS, the Board finds that its staff has prepared a Staff Review and Comment which analyzes the effectiveness of the Sacramento County Solid Waste Management Plan, in light of the Plan Review Report, in providing for current and future solid waste management needs in the County; and

WHEREAS, the Board finds that its staff has determined that the revision to the Sacramento County Solid Waste Management Plan is needed in the following areas:

- 1) Identification of Solid Wastes (CAC section 17131)
- 2) Storage and Collection of Solid Waste (CAC section 17132 and 17133)
- 3) Disposal/Processing of Wastes (CAC section 17134 and Government Code section 66780.5(e))
- 4) Resource Recovery (CAC section 17135)
- 5) Plan Administration (CAC section 17136)
- 6) Economic Feasibility (CAC section 17137 and Government Code 66780.1)
- 7) Implementation Schedule (CAC section 17139 and Government Code section 66714.9)

- 8) Household Hazardous Waste Program (Government Code section 66780.5(b))
- 9) Asbestos Disposal Program (Government Code section 66780.5(e))
- 10) Septage and Sludge Disposal Program (CAC section 17134(g)).

WHEREAS, the Board finds that it has directed a copy of said Staff Review and Comments be sent to the Sacramento County Board of Supervisors for their information.

NOW THEREFORE, BE IT RESOLVED that the California Waste Management Board accepts the Sacramento County Solid Waste Management Plan Review Report; and

BE IT FURTHER RESOLVED that the California Waste Management Board requires Sacramento County to revise the Sacramento County Solid Waste Management Plan in those areas indicated above to bring the Plan into full compliance with State Policy; and

BE IT FURTHER RESOLVED that the California Waste Management Board requires Sacramento County to submit a timetable for the revision as required by Section 17141 of Title 14 of the California Administrative Code within the next 30 days.

CERTIFICATION

The undersigned Chief Executive Officer of the California Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the California Waste Management Board held on August 13-14, 1987.

Dated

George T. Eowan
Chief Executive Officer

CALIFORNIA WASTE MANAGEMENT BOARD

Agenda Item #3

August 13-14, 1987

Item:

Update on the Status of the Sacramento County Landfill and North Area Transfer Station, Sacramento County.

Key Issues:

- Operator notified of Board's intent to list on State List of Non-Complying Waste Facilities on July 17, 1987.
- Operator instructed to report to the Board on the progress towards compliance at each Board meeting.

Background:

As a follow-up to the Board's direction at the July 16-17, 1987 meeting, the operator of the Sacramento County Landfill and North Area Transfer Station was notified of the Board's intent to list their facilities on the State List of Non-Complying Waste Facilities. The letters of notification, which are attached, specified the actions necessary to avoid listing.

This item is on the agenda at the Board's request for the operator to report on progress towards compliance at each Board meeting. The operator will make an oral presentation.

Recommendation:

This item is being provided for information only.

Attachments

1. Letter of Formal 90 Day Notice to Sacramento County

CALIFORNIA WASTE MANAGEMENT BOARD1020 NINTH STREET, SUITE 300
SACRAMENTO, CA 95814

JUL 20 1987

CERTIFIED MAIL

Mr. H. Dennis Kerton, Chief
County of Sacramento
Department of Public Works
Solid Waste Management Division
9333 Tech Center Drive, Suite 100
Sacramento, CA 95827-2558

Subject: Formal 90-Day Notice to Correct Deficiencies at
Sacramento County Landfill 34-AA-0001

Dear Mr. Kerton:

At the meeting of July 16, 1987, the California Waste Management Board (Board) directed me to notify you (pursuant to Government Code Title 14, Chapter 3, Section 66796.38) of its intent to add the Sacramento County Landfill to the State List of Non-Complying Facilities if, within 90 days of the date of this letter, the following violations have not been corrected.

- 17616 - Report of Disposal Site Information
- 17682 - Cover
- 17684 - Intermediate Cover
- 17685 - Final Cover
- 17704 - Leachate Control
- 17708 - Drainage and Erosion Control
- 17709 - Contact with Water
- 17710 - Grading of Fill Surfaces
- 17732 - Operating Site Maintenance
- 17742 - Hazardous Wastes
- 17751 - Periodic Site Review

These repeated and/or ongoing violations were reported during inspections performed by Board staff under the Presley program.

The Board has directed that the following specified actions must be taken to insure that continuous compliance is maintained.

SPECIFIED ACTIONS:

17616 - Report of Disposal Site Information

An amended RDSI that accurately reflects all current site operations shall be submitted to the LEA and Board staff for approval.

17638 - Cover

Submit a work plan for complying with daily cover requirements. The plan should address time schedules, participants, and methods that will be used to implement corrective measures.

17684 - Intermediate Cover

Submit a work plan stating corrective measures that will be taken to place at least 12 inches of compacted, cover material over areas identified as having intermediate cover. The work plan shall include a time schedule, participants, and methods that will be used to implement the corrective action.

17685 - Final Cover

Submit a work plan stating corrective measures that will be taken to place at least 24 inches of compacted, suitable, cover material over the entire surface of the final lift of the fill. The work plan shall include a time schedule, participants, and methods that will be used to implement the corrective action.

17704 - Leachate Control

Submit a technical report as specified by the CVRWQCB in their Notice of Noncompliance issued to the site operator on June 10, 1987.

17708 - Drainage and Erosion Control

Repair the eroded gullies on the slopes of intermediate cover areas. Re-cover any additional areas where erosion has exposed waste.

SPECIFIED ACTIONS CONTINUED

17709 - Contact with Water

Submit a work plan stating corrective and preventative measures that will be taken to prevent water from ponding in areas where waste has been deposited. The work plan shall include a time schedule, participants, and methods that will be used to implement the corrective and preventative actions.

17710 - Grading of Fill Surfaces

Submit a work plan stating corrective measures that will be taken to detect and promptly correct drainage and erosion problems. The work plan shall include a time schedule, participants, and methods that will be used to implement the corrective action. The corrections shall be made prior to the winter of 1987.

17732 - Operating Site Maintenance

Submit a work plan stating how defective and deteriorated conditions will be detected and promptly corrected. The work plan shall establish a site maintenance program. The plan will identify participants and methods that will be used to implement the program.

17742 - Hazardous Wastes

Submit a work plan to prevent hazardous waste from being disposed of at this site. The work plan shall establish a hazardous waste screening program. The program shall be in effect all hours the facility is open to the public. Personnel conducting the screening program shall be trained to recognize and deal safely with any hazardous wastes received. In addition, the license number of all suspected hazardous waste haulers shall be recorded and submitted to the LEA. The work plan shall include a time schedule, participants, and methods that will be used to implement the program.

17751 - Periodic Site Review

Cause the site to be reviewed by a registered engineer as outlined in CAC Section 17751. Rigorous effort shall be made to submit an engineers report that is of an acceptable level of adequacy so as to satisfy the LEA and the Board staff.

Sacramento County Landfill
Page 4 of 4

In addition, you have been requested to present monthly updates to the Board on your efforts to attain compliance with State Minimum Standards. Your first update will be scheduled for the August 13-14, 1987 Board meeting.

If you have any questions regarding this action, please contact me at (916) 322-3330 or Mary Coyle of the Board's Compliance Section at (916) 322-2662.

Sincerely,

George T. Eowan
Chief Executive Officer

cc: Kenneth Stuart, Sacramento County Health Department
William Marshall, CVRWQCB
✓ Mary Coyle, CWMB

CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300
SACRAMENTO, CA 95814

JUL 20 1987

CERTIFIED MAIL

Mr. H. Dennis Kerton, Chief
County of Sacramento
Department of Public Works
Solid Waste Management Division
9333 Tech Center Drive, Suite 100
Sacramento, CA 95827-2558

Subject: Formal 90-Day Notice to Correct Deficiencies at
North Area Transfer Station 34-AA-0002

Dear Mr. Kerton:

At the meeting on July 16, 1987, the California Waste Management Board (Board) directed me to notify you (pursuant to Government Code Title 14, Chapter 3, Section 66796.38) of its intent to add the North Area Transfer Station to the State List of Non-Complying Facilities if, within 90 days of the date of this letter, the following violations have not been corrected.

- 17441 - Report of Station Information
- 17471 - Personnel Availability
- 17496 - Protection of Users
- 17512 - Cleaning
- 17533 - Vector Control
- 17534 - Drainage Control
- 17535 - Litter Control
- 17548 - Transfer Vehicles
- 17557 - Station Maintenance Program

These repeated and/or ongoing violations were reported during inspections performed by Board staff under the Presley program.

The Board has directed that the following specified actions must be taken to insure that continuous compliance is maintained.

SPECIFIED ACTIONS:

17441 - Report of Station Information

Amendments to the RSI must be submitted to include items listed below:

- 1) Distances to nearby structures
- 2) Engineering report
- 3) Procedures to control odors, rodents and insects
- 4) Emergency provisions for equipment breakdown or power failure

SPECIFIED ACTIONS CONTINUED

17441 - Report of Station Information, continued

- 5) Site ownership and a resume of management for site operations

17471 - Personnel Availability

When the station is open for operations, qualified personnel must be available at all times to direct traffic and to continuously monitor unloading operations. These personnel must be trained to recognize safety problems associated with site operations and to recognize and deal with any hazardous wastes received. In addition, personnel must be provided to clean the station and pick up litter.

17496 - Protection of Users

The operator must provide barriers which keep the public at a safe distance from the edge of the concrete trench.

17512 - Cleaning

The operator must provide for daily cleaning of all loose material and debris. The pads, ramps, and grassy areas must be free of any accumulation of waste materials. Since the facility closes to the public at 1700 hours, cleaning should be timed with the reduced flow of traffic onto the site.

17533 - Vector Control

Submit and implement a work plan eliminating rodents living on site. This plan should identify the extent and cause of the rodent problem. The plan should also describe measures necessary to correct the rodent problem including a time schedule, participants, and methods that will be used to implement these measures.

17534 - Drainage Control

The drainage system must be cleaned out monthly. Grates and drains should be cleaned weekly of solids and litter to keep them running free.

SPECIFIED ACTIONS CONTINUED

17535 - Litter Control

Submit and implement a work plan for correcting the litter problem at the site. This plan should identify the extent and cause of the litter problems. The plan should also describe measures necessary to correct the litter problem including a time schedule, participants, and methods used to implement these measures.

17548 - Transfer Vehicles

The operator must immediately take action to ensure transfer vehicle covers contain all wastes while in transport.

17557 - Station Maintenance Program

The curbing along the areas where end-dump trucks will still be directly dumping into the pit must be repaired or replaced to prevent any potential accidents of vehicles sliding into the pit.

It is understood that every effort will be made to keep the subject facility in compliance at all times.

In addition you have been requested to present monthly updates to the Board on your efforts to attain compliance with State Minimum Standards. Your first update will be scheduled for the August 13-14, 1987 Board meeting.

If you have any questions regarding this action, please contact me at (916) 322-3330 or Mary Coyle of the Board's Compliance Section staff at (916) 322-2662.

Sincerely,

SIGNED AND SENT

George T. Eowan
~~Chief Executive Officer~~

cc: Kenneth Stuart, Sacramento County Public Health Department
✓ Mary Coyle, California Waste Management Board

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM # 4

AUGUST 13-14, 1987

Item:

Consideration of the Humboldt County Solid Waste Management Plan Review Report.

Key Issues:

- County agrees to revise Plan.
- Staff agrees with County's decision to revise Plan, suggests additional changes.
- Dwelling charges to be implemented.
- Resource recovery has increased.
- Subchapter 15 and Calderon Act requirements implemented.

Background:

The Humboldt County Solid Waste Management Plan was originally approved by the California Waste Management Board on October 22, 1976, with a complete revision being made by the County in February 1982. In April 1984, the County submitted a Plan Review Report, and on June 28, the CWMB concurred in the County's decision not to revise the Plan. In June of 1987, the County submitted a Plan Review Report (Attachment #2) indicating that a revision of the Plan was necessary in six areas to bring the Plan into compliance with the Planning Guidelines and Procedures for Preparing, Revising and Amending County Solid Waste Management Plans.

Staff Analysis:

The attached Staff Review and Comment (Attachment #1) analyzes the adequacy of the Humboldt County Solid Waste Management Plan Review Report and provides an objective description of the current solid waste management program in Humboldt County. Staff analysis entailed review of the Plan and Plan Review Report, meeting with County officials, and visiting solid waste facilities in the County.

Board staff agrees that the County has accurately identified areas of the Plan that are in need of revision. Those various areas are:

- Identification of Solid Waste
- Storage and Collection of Solid Waste
- Disposal and Processing of Waste

- Resource Recovery
- Economic Feasibility
- Implementation Schedule

In addition, staff believes the following additional areas should be included in the Plan Revision:

1. A program for the safe management of household hazardous wastes as required by Government Code section 66780.5(b).
2. The amounts of asbestos wastes generated in the County and the sites designated for disposal of this material as required by Government Code section 66780.5(e).
3. Existing and future programs for septage and sewage sludge disposal as required by California Administrative Code section 17134(g).

Options for Board Action:

1. Not accept the Plan Review Report.

This would be appropriate if the County had not complied with Board requirements for preparation of the Plan Review Report.

2. Take no action.

This would be appropriate if there is new information available during the Board meeting which requires further analysis by either the County or Board staff prior to Board action. Staff believes the current analysis is complete based on available information.

3. Accept the Plan Review Report and concur with the County's decision to revise the Plan subject to the additional conditions recommended by staff.

This option would be appropriate, if the County has complied with the Board's requirements for preparation of a Plan Review Report. The County has substantially met all requirements for preparation of a Plan Review Report.

Recommendation:

Staff agrees with the County's decision to revise the Plan and recommends that the Board adopt Resolution #87-37 accepting the Humboldt County Plan Review Report and directing the County to revise its County Solid Waste Management Plan in the areas identified.

Attachments:

1. Staff Review and Comment.
2. Humboldt County Solid Waste Management Plan Review Report, dated June 25, 1987.
3. Map of County Solid Waste Disposal Sites.
4. Resolution No. 87-37 accepting the Humboldt County Plan Review Report and directing the County to revise the County Solid Waste Management Plan.

Staff Review and Comment**Humboldt County Solid Waste Management Plan Review Report****I. County Solid Waste Management System****A. Current System****1. County Characteristics**

Humboldt County is located in the northwestern portion of the state along the Pacific Ocean. The developed portion of the County lies along US Highway 101, with the balance of the County population located in more rural areas. The current population of the County is approximately 113,000 with 53,000 persons residing in the seven incorporated cities and the balance of the population in the unincorporated areas. The population is projected to grow slightly in the next 5 years. The economy of the County is based primarily on timber, tourism and fishing.

2. Waste Management Responsibilities

The Humboldt County Board of Supervisors and the city councils of the incorporated cities are responsible for establishing solid waste management policies, enacting ordinances and approving solid waste management plans and programs.

The County Health Department is responsible for maintaining the County Solid Waste Management Plan and enforcing County ordinances and the State Minimum Standards, while the County Department of Public Works has been designated to operate the solid waste transfer system.

3. System Financing

During the past year, Humboldt County has followed the trend of other counties in transferring the costs involved with funding the solid waste management program from the County General Fund to users of the system. For residents in the unincorporated areas, a Dwelling Unit Equivalency (DUE) of \$26 per dwelling annually is added to the yearly property tax to support the solid waste program. In addition, users fees are charged at the transfer stations for disposal of wastes by city residents or commercial and industrial firms. City residential collection and disposal services are funded by user fees.

4. Waste Generation

Approximately 78,000 tons per year of domestic and commercial wastes are generated in the County.

Approximately 95,000 cubic yards of wood wastes are also produced; however, it is mostly used for wood pulp, utilized in boilers and the balance is disposed of in twelve woodwaste sites throughout the County. A small amount of agricultural wastes are also generated. These wastes are for the most part returned to the land and do not enter the conventional waste stream.

5. Collection and Storage

Seven franchised collectors provide residential and commercial service to the incorporated and unincorporated areas of the County. A number of residents, however, continue to haul their own wastes to the transfer stations. A typical monthly cost for residential collection is \$7.00.

6. Transfer

Currently 14 transfer stations serve the needs of County residents. Information regarding the transfer stations is summarized as follows:

<u>Facility</u>	<u>Owner</u>	<u>Tons/Year</u>	<u>Serviced by</u>	<u>Disposal to</u>
Alderpoint	County	371	Commercial Hauler	Cummings Road
Blocksburg	"	203	"	"
Carlotta	"	1510	"	"
Fruitland	"	244	"	"
Humboldt	Private	9360	"	"
Orick	County	346	"	"
Orleans	"	411	"	"
Petrolia	"	199	"	"
Redwood Valley	"	74	"	"
Redway	"	1600	"	"
Shelter Cove	"	168	"	"
Shively	"	146	"	"
Willow Creek	"	959	"	"
Whitethorn	"	290	"	"

All sites are attended and charge tipping fees except the Orleans site, which is unattended and open 24 hours per day.

7. Disposal

The Cummings Road Landfill is the sole municipal waste disposal site for Humboldt County. This 100 acre privately owned and operated site receives approximately 78,000 tons of wastes annually and has a remaining site life of 18 to 20 years.

Wood wastes from the County's lumber mills are disposed of at 12 wood waste disposal sites. Six additional proposed facilities are included in the CoSWMP to accommodate the needs of Humboldt County's principal industry.

Septage pumpings in the County are disposed of in dry weather as soil amendmets at disposal sites as follows:

<u>Site</u>	<u>Size of Facility</u>	<u>Annual Volume</u>	<u>Site Life</u>
Willow Creek	20 acres	48,000 gal	15 years
Garberville	100 acres	48,000 gal	15 years
Hydesville	300 acres	96,000 gal	20 years

Septage pumping necessary during wet weather is disposed of at waste water treatment plants.

Sewage sludge generated by waste water treatment plants is disposed of during dry weather in sludge drying beds at sites contiguous to the plants. Information regarding these facilities is as follows:

<u>Facility</u>	<u>Size of Facility</u>	<u>Site Life</u>
Loleta	50 acres	15 years
Redway	57 acres	20 years
Arcata	40 acres	20 years
Eureka	98 acres	20 years

Surveillance over the septage and sludge disposal sites is under the jurisdiction of the Regional Water Quality Control Board and the County Health Department.

8. Litter Management

County public works personnel maintain litter clean up along County roads. Persons convicted of misdemeanors are often sentenced to pick up litter on County property. City personnel have responsibility

for litter within City boundaries while Caltrans crews maintain litter clean up along State right-of-ways.

9. Resource Recovery

This element continues to be a major part of the County's solid waste management system. Three recycling centers in the County accept ferrous metals, aluminum, corrugated paper, glass, and oil.

The City Garbage Company has initiated recycling efforts at its Eureka Transfer Station since the last Plan Revision.

Two beverage distributors in Eureka also buy aluminum cans and beverage bottles.

In addition, the Ultra Power Corporation at Blue Lake and the Fair Haven Power Company at Samoa incinerate wood by-products from surrounding areas into electricity for sale to a major power company.

B. **Future Facilities**

Currently there are no plans for future facilities. The present Cummings Road Landfill has an expected site life of 18 to 20 years.

C. **Enforcement Program**

The Humboldt-Del Norte County Health Department is the local agency responsible for enforcing the State Minimum Standards for solid waste handling and disposal. The Department issues solid waste facility permits for facilities within the County. One full time position is allocated to enforcement activities which include inspections of collections vehicles, facilities and follow-ups on complaints. A fee system has been initiated to pay for the enforcement program.

There are no solid waste disposal facilities currently on the Board's Noncomplying List or the Open Dump Inventory.

D. **Current Issues**

1. Implementation of the Dwelling Unit Equivalency Program.
2. Compliance with the Calderon Act and Subchapter 15 requirements for air and water quality monitoring.
3. Financing the Revision of the current CoSWMP.

E. **System Improvements**

A number of improvements to the County's solid waste system have been made since the last Plan Review Report. These improvements are as follows:

1. Installation of monitoring wells at the Cummings Road Landfill.
2. Institution of Dwelling Unit Equivalent fees to support solid waste programs.
3. Expansion of collection franchise areas.

II. Report Summary

The Humboldt County Plan Review Report has been submitted to the California Waste Management Board in compliance with Government Code sections 66780.5(b) and Title 14, CAC section 17141. In the report, the County identified the following areas of the Plan that were in need of revision:

- Identification of solid wastes
- Storage and collection of solid wastes
- Disposal and processing of wastes
- Resource recovery
- Economic feasibility
- Implementation schedule

III. Staff Comments

Staff has reviewed the report submitted by Humboldt County. The report primarily has identified the areas of the Plan that are in need of revision. However, after a careful review of the existing Plan and the solid waste system, staff has determined that additional areas of the Plan are in need of revision. These areas are as follows:

1. A program for the safe management of household hazardous wastes as required by Government Code section 66780.5(b).
2. A discussion of the amounts of asbestos wastes generated in the County and the sites designated for disposal of this material as required by Government Code section 66780.5(e).
3. The inclusion of the present and proposed septage and sludge disposal program within the County as required by California Administrative Code section 17134(g).



HUMBOLDT-DEL NORTE COUNTY
DEPARTMENT OF PUBLIC HEALTH



727 CEDAR STREET
GARBERVILLE, CA. 95440
923-2779

MAIN OFFICE
529 I STREET
EUREKA, CA. 95501
445-6200

909 HWY. 101, NORTH
CRESCENT CITY, CA. 95531
464-7227

June 25, 1987

California Waste Management Board
Waste Management Division
1020 9th Street, Suite 300
Sacramento, CA 95814

ATTN: Cy Armstrong

Dear Cy;

The Humboldt County Solid Waste Advisory Committee, during its meeting of June 24, 1987, voted to revise the Humboldt County Solid Waste Management Plan providing the Board of Supervisors provide adequate funding for the revision.

Sincerely,

Paul W. Anderson, M.D., M.P.H.
Director and Public Health Officer

William Strickland
William Strickland, R.S., M.P.H.
Solid Waste Management Specialist

WSse

cc: Kaye Strickland, Chairperson
Solid Waste Advisory Committee

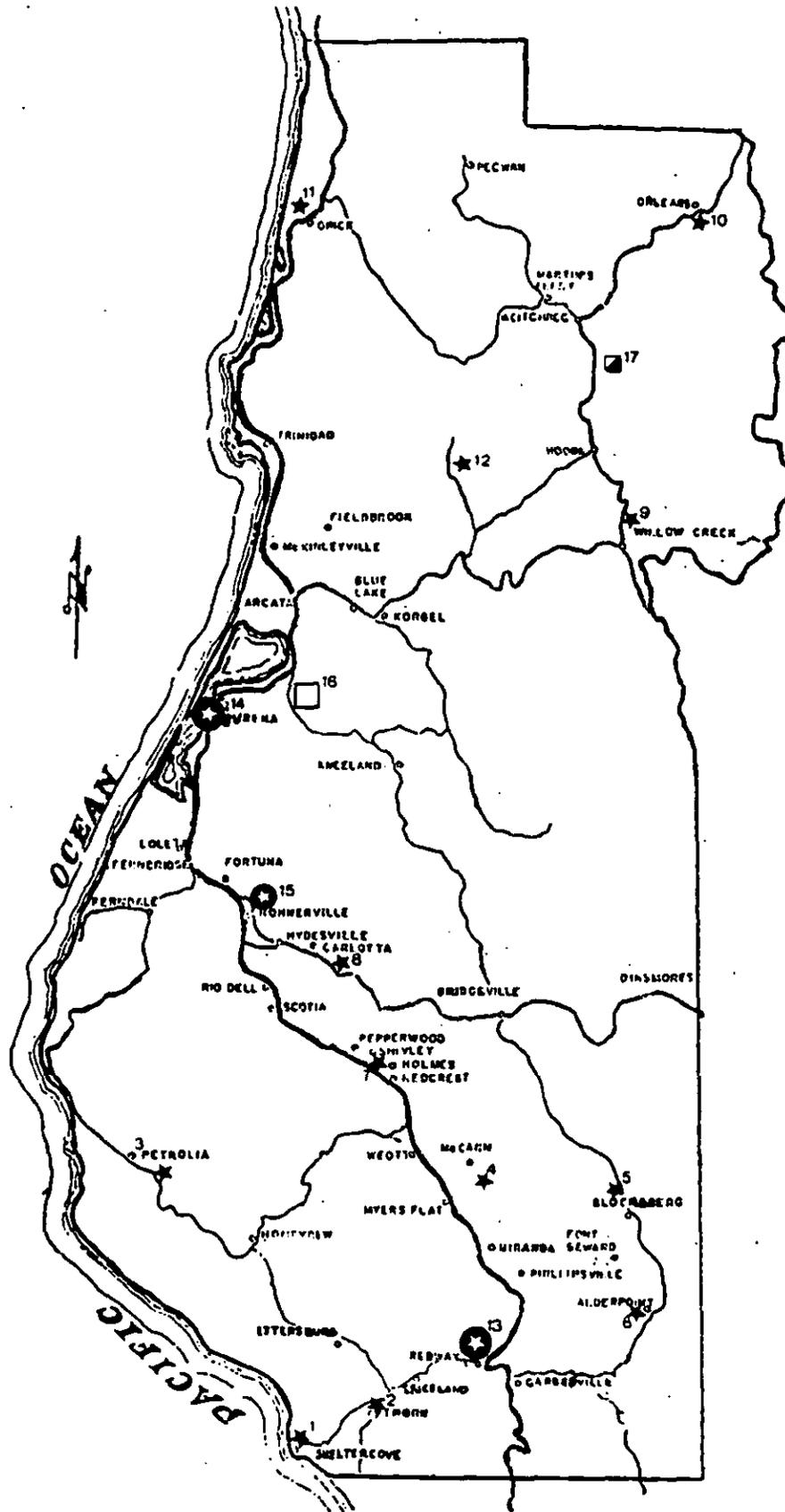
HUMBOLDT COUNTY SOLID WASTE MANAGEMENT PLAN REVIEW REPORT

64

Solid Waste Plan Sections	Items To Be Considered Within Plan Revision As Suggested Within Chapter 2, Title 14, Section 1714- "Revision Preparation"								
	1	2	3	4	5	6	7	8	9
Introduction	X	X							
Goals and Objectives of Plan	X							X	
Solid Waste Management Background and Problems	X	X	X						
Resource Recovery and Recycling From Solid Waste	X		X	X				X	X
Present Management of Special Wastes	X								
Present Management of Hazardous Waste	X	X	X		X				
Financing for County Solid Waste Program	X		X			X			
Proposals for Future Action	X								
Implementation Schedule for Proposals	X		X	X		X	X	X	
Administration									
Contingency Plans	X	X	X	X	X		X		
References Cited									
Appendices	X								
List of Tables	X								
List of Maps									
List of Figures	X								

- (X) To be considered when plan is revised.
- (1) The adequacy of the data base.
- (2) The consistency of state policies.
- (3) Economic changes.
- (4) The implementation schedule

- (5) Current and future administrative responsibilities.
- (6) Changes in funding sources.
- (7) Future facilities.
- (8) Elements of the plan that were not implemented or successfully accomplished and why.
- (9) Other



SYMBOLS

- ★ Container Site
- ⊙ Transfer Station
- ⊙ Modified Transfer Station
- Landfill
- ▣ Modified Landfill
- 12 Table No.

Map 3. Location of Existing and Proposed Facilities (Accompanies Table 5)

CALIFORNIA WASTE MANAGEMENT BOARD

RESOLUTION 87-37

AUGUST 13-14, 1987

Resolution of Acceptance of the Humboldt County Solid Waste Management Plan Review Report.

WHEREAS, the Board finds that it has approved the revised Humboldt County Solid Waste Management Plan on February 25, 1982 as meeting the requirements of the Nejedly-Z'Berg-Dills Solid Waste Management and Resource Recovery Act of 1972; and

WHEREAS, the Board finds that the County of Humboldt has reviewed its County Solid Waste Management Plan and submitted a report to the Board pursuant to Government Code section 66780.5(b); and

WHEREAS, the Board finds that the County of Humboldt has determined that to be consistent with State Policy, the County Solid Waste Management Plan is in need of revision; and

WHEREAS, the Board finds that its staff has prepared a Staff Review and Comment which analyzes the effectiveness of the Humboldt County Solid Waste Management Plan, in light of the Plan Review Report, in providing for current and future solid waste management needs in the County; and

WHEREAS, the Board finds that its staff has determined that the revision to the Humboldt County Solid Waste Management Plan is needed in the following areas:

- 1) Identification of Solid Wastes (CAC section 17131)
- 2) Storage and Collection of Solid Waste (CAC section 17132 and 17133)
- 3) Disposal/Processing of Wastes (CAC section 17134 and Government Code Section 66780.5(e))
- 4) Resource Recovery (CAC section 17135)
- 5) Economic Feasibility (CAC section 17137 and Government Code 66780.1)
- 6) Implementation Schedule (CAC section 17139 and Government Code Section 66714.9)

- 7) Household Hazardous Waste Program (Government Code section 66780.5(b))
- 8) Asbestos Disposal Program (Government Code section 66780.5(e))
- 9) Septage and Sludge Disposal Program (CAC section 17134(g))

WHEREAS, the Board finds that it has directed a copy of said Staff Review and Comments be sent to the Humboldt County Board of Supervisors for their information.

NOW THEREFORE, BE IT RESOLVED that the California Waste Management Board accepts the Humboldt County Solid Waste Management Plan Review Report; and

BE IT FURTHER RESOLVED that the California Waste Management Board requires Humboldt County to revise the Humboldt County Solid Waste Management Plan in those areas indicated above to bring the Plan into full compliance with State Policy; and

BE IT FURTHER RESOLVED that the California Waste Management Board requires Humboldt County to submit a timetable for the revision as required by Section 17141 of Title 14 of the California Administrative Code within the next 30 days.

CERTIFICATION

The undersigned Chief Executive Officer of the California Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the California Waste Management Board held on August 13-14, 1987.

Dated

George T. Eowan
Chief Executive Officer

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM # 5

AUGUST 13-14, 1987

ITEM:

Status of County Solid Waste Management Plans (CoSWMPs) and Consideration of Action on Delinquent CoSWMPs for Alameda, Contra Costa, Kings, and Marin Counties.

KEY ISSUES:

- 52 CoSWMPs are complete and current.
- Full approval of the San Diego CoSWMP Revision is scheduled for this Board meeting.
- 4 CoSWMPs are delinquent as compared to 31 in June 1985 (a baseline date established for comparison).
- Board's Legal Counsel will present options for actions to be taken on delinquent CoSWMPs.

BACKGROUND:

Each month at the request of the Board, staff has provided the Board with a report on the status of County Solid Waste Management Plans. The item this month, in addition to providing a status report on CoSWMPs, will consider possible actions to be taken on the delinquent CoSWMPs for Alameda, Contra Costa, Kings, and Marin.

DISCUSSION:

The format of the Agenda Item on Status of County Solid Waste Management Plans has been changed to allow the Board the option of making a discretionary action concerning delinquent counties. In the past, this Item has been an "Information Item," which

limits the ability of the Board to meet public hearing notice requirements for taking a specific action.

Under the new format, the Item title is revised to indicate that the Board may consider an action relating to the delinquent status of specifically named counties. Any county named in the Agenda Item title will be formally notified by mail of a possible action by the Board. Discussion of the "Action" portion of the Item will be presented by the Board Legal Counsel, based on all current information available at the time of the meeting.

I. Status of CoSWMPs

Staff has prepared an update to the previous CoSWMP status reports. This status report is divided into four sections, according to the degree of Plan completion:

Section A is a listing of fifty-two (52) counties with complete and current Plans. The date of the next Plan Review Report is also included.

Section B includes one (1) county with a partially approved CoSWMP.

Section C is a listing of two (2) counties that have brought Revisions to the Board for approval, but the Board has disapproved the Revisions.

Section D is a listing of two (2) counties that have gone beyond the required 270 days for preparation of the CoSWMP Revision and have become delinquent.

A. The following counties are current. The date of either the next CoSWMP Revision or Plan Review Report is listed below.

1. Napa**	Revision Due Feb. 1988
2. San Francisco**	Revision Due Mar. 1988
3. Kern**	Revision Due Mar. 1988
4. Solano**	Revision Due Apr. 1988
5. Sacramento*	Jan. 1987
6. Humboldt*	June 1987
7. Plumas	Oct. 1987
8. Sutter-Yuba	Nov. 1987
9. Siskiyou	Dec. 1987
10. Del Norte	Dec. 1987
11. San Mateo	Dec. 1987
12. Glenn	Jan. 1988
13. Orange	Feb. 1988
14. Madera	Feb. 1988
15. Alpine	Mar. 1988
16. Imperial	Apr. 1988
17. Amador	May 1988
18. Riverside	May 1988
19. Santa Cruz	June 1988
20. Nevada	June 1988
21. Shasta	June 1988
22. El Dorado	June 1988
23. Ventura	July 1988
24. Lake	Aug. 1988
25. Santa Clara	Aug. 1988
26. Inyo	Aug. 1988
27. Mono	Aug. 1988
28. San Benito	Aug. 1988
29. Fresno	Sept. 1988
30. Tuolumne	Oct. 1988
31. Yolo	Nov. 1988
32. Trinity	Nov. 1988
33. Tehama	Dec. 1988
34. Butte	Dec. 1988
35. Placer	Jan. 1989
36. Monterey	Feb. 1989
37. Los Angeles	Mar. 1989
38. Sonoma	Apr. 1989
39. San Bernardino	May 1989
40. Stanislaus	June 1989
41. Lassen	July 1989
42. Merced	July 1989
43. Santa Barbara	Sept. 1989
44. San Joaquin	Oct. 1989
45. Calaveras	Dec. 1989
46. San Luis Obispo	Dec. 1989
47. Tulare	Dec. 1989
48. Colusa	Dec. 1989
49. Sierra	Jan. 1990
50. Modoc	Mar. 1990
51. Mendocino	May 1990
52. Mariposa	May 1990

* Acceptance of the Plan Review Report will be considered at this Board meeting

** Currently preparing the second Revision.

B. Partially Approved CoSWMP Revision

In this section there is one county, San Diego, whose CoSWMP Revision was partially approved in April, 1987, contingent upon receipt of economic feasibility information on the preferred waste-to-energy program within 60 days. Having recently received the information from the County, the consideration of the full approval of the San Diego CoSWMP has been scheduled for this Board meeting.

C. Disapproved Revisions

<u>County</u>	<u>Original Date Revision Due</u>	<u>Date Revision Submitted</u>	<u>Due Date of Resubmittal</u>
Marin	March 1984	August 1986	May 1987
Alameda	December 1986	December 1986	July 1987

Alameda and Marin counties have previously submitted CoSWMP Revisions to the Board. The two CoSWMPs have been disapproved by this Board. Below is specific information on each county's CoSWMP Revision status:

Marin County

- 06/24/77 - CoSWMP approved by Board.
- 03/12/81 - County submitted Plan Review Report.
- 06/23/83 - Board accepted Plan Review Report.
- 03/23/84 - Date CoSWMP Revision due.
- 02/07/85 - Board referred County to State Attorney General's Office.
- 05/29/85 - Letter from County requesting time extension.
- 06/10/85 - Draft CoSWMP Revision received.
- 06/25/85 - Letter sent by Board staff advising County that no time extension could be granted.
- 01/13/86 - Board re-referred County to State Attorney General's Office.
- 04/24/86 - State Attorney General sent warning letter to the County.
- 07/01/86 - Revised submission date for CoSWMP Revision per letter to State Attorney General on 5/06/86.
- 09/25/86 - Final CoSWMP Revision received.
- 11/11/86 - Board disapproved CoSWMP Revision because it was inadequate in a number of areas.

- 12/05/86 - Letter from Board sent notifying County of Board action.
- 04/08/87 - Board staff met with Director and Deputy Director of the Marin County Planning Department to discuss in detail proposed changes in resubmitted draft.
- 05/11/87 - Board established resubmittal date for the CoSWMP Revision.
- 05/22/87 - Board referred County for a third time to the State Attorney General. Board also directed staff to set up a meeting with Board of Supervisors and to notify media of the delinquent CoSWMP Revision.
- 05/27/87 - News media informed of County's delinquent CoSWMP Revision by Board.
- 07/07/87 - Letter sent from State Attorney General to Chairman of Board of Supervisors requesting a binding, formal commitment from the County to submit the CoSWMP Revision by August 31, 1987.
- 07/14/87 - In response to State Attorney General's letter, County submitted a draft CoSWMP Revision to State Attorney General and informed of circulation of draft CoSWMP Revision to cities for review.

Alameda County

- 03/26/87 - Board disapproved CoSWMP Revision because it was incomplete and inadequate in a number of areas. Board also requested a timetable for expediting the CoSWMP Revision.
- 04/20/87 - Certified letter from Board sent to County Board of Supervisors and County Planning Director requesting timetable within 30 calendar days for expediting CoSWMP Revision.
- 04/24/87 - County sent draft CoSWMP Revision to incorporated cities, the Board, and other interested agencies for review.
- 07/24/87 - Expiration of the 120-day time period for resubmittal of the deficient CoSWMP Revision (time limit set by CAC section 17154).
- 12/01/87 - Date County anticipates for submittal of CoSWMP Revision to Board.

D. Delinquent CoSWMPs

In this section are two counties, Contra Costa and Kings, that have gone beyond the required 270 days in preparing their CoSWMP Revision, and have therefore become delinquent.

Below is the CoSWMP status summary for each of the two Counties:

Contra Costa

- 09/22/86 - Plan Review Report accepted and revisions to CoSWMP required by Board.
- 10/15/87 - Time schedule submitted by County.
- 01/30/87 - Letter from County indicating CoSWMP Revision would be on schedule but without future facilities.
- 03/26/87 - County presentation on siting situations and CoSWMP Revision status to Board.
- 04/21/87 - Draft CoSWMP Revision circulated to cities and Board for review.
- 06/22/87 - Date CoSWMP Revision was due.
- 06/26/87 - Board of Supervisors approved CoSWMP Revision and authorized submittal of document to the cities for their approval.
- 09/24/87 - Date CoSWMP Revision expected according to Community Development Department staff.

Kings County

- 10/10/86 - Plan Review Report accepted and revisions to CoSWMP required by Board.
- 07/03/87 - Submittal date for CoSWMP Revision.
- 10/19/87 - Date CoSWMP Revision expected according to revised timetable submitted by County.

II. Action on Delinquent CoSWMPs

Options to be presented orally by Board's Legal Counsel, based on the facts as they exist at the date of the Board meeting.

RECOMMENDATION:

The recommendation on actions to be taken on delinquent CoSWMPs will be presented by the Board's Legal Counsel.

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM #6

AUGUST 13-14, 1987

ITEM:

Enforcement Program Update

KEY ISSUES:

For Fiscal Year 86-87:

- o 29 out of 50 sites receiving third inspections have been found to be in compliance.
- o 13 facilities have had Board actions.
- o 6 facilities have been given 90 day notices to correct deficiencies.
- o One facility has been placed on the State List of Non-Complying Solid Waste Facilities.

BACKGROUND:

Government Code Section 66796.38 requires the California Waste Management Board to maintain an inventory of solid waste facilities which violate State Minimum Standards and to inspect permitted solid waste facilities on a regular basis. Staff has developed a program for the maintenance of this inventory, which consists of an evaluation of inspection reports from Local Enforcement Agencies (LEAs), Regional Water Quality Control Boards, and inspections conducted by Board staff. Using objective criteria previously presented to the Board, a decision is made whether to propose a facility for inclusion on the list. If a facility is proposed for listing, a notice will be sent to the operator, owner, and LEA by certified mail as required by law. The operator will be advised in this notice that the facility will be brought before the Board for listing unless all violations are corrected within 90 days. If the violations are not corrected within that time period, the facility will be brought before the Board for inclusion on the State List of Non-Complying Solid Waste Facilities. This entire evaluation process will take approximately one year for a given facility.

DISCUSSION:

Board staff has conducted inspections under the procedures described above since November, 1985. To date, 50 facilities have undergone three inspections. Of these 50 sites, 29 were found in compliance with State Minimum Standards and will not be recommended for a 90 day notice.

Thirteen disposal facilities have had some type of Board action. Of these, seven have been issued a formal 90 day Notice of Intent and six have been issued a formal 30 day Notice to submit a compliance schedule. The Yuba-Sutter Disposal Area (Yuba County) has been the only facility included on the State List of Non-Complying Solid Waste Facilities since May of 1985.

Three of the disposal facilities that were issued a 90 day Notice of Intent have implemented appropriate corrective measures in order to come into compliance with State Minimum Standards.

Yolo County Central Landfill - 57-AA-01

The Yolo County Central Landfill had ongoing and/or repeated violations of the following State Minimum Standards:

- 17684 - Intermediate Cover
- 17704 - Leachate Control
- 17707 - Vector and Bird Control
- 17708 - Drainage and Erosion Control
- 17710 - Grading of Fill Surfaces
- 17711 - Litter Control
- 17732 - Operating Site Maintenance
- 17751 - Periodic Site Review

Savage Canyon Landfill - 19-AH-01

The Savage Canyon Landfill had ongoing and/or repeated violations of the following State Minimum Standards:

- 17705 - Gas Control
- 17751 - Periodic Site Review

Hunter Liggett Sanitary Landfill - 27-AA-013

Repeated violations observed at the facility consisted of the following:

- 17682 - Cover
- 17684 - Intermediate Cover
- 17707 - Vector and Bird Control
- 17708 - Drainage And Erosion Control
- 17709 - Contact with Water

- 17742 - Hazardous Waste
- 17751 - Periodic Site Review

No further inspections of these facilities by Board staff are anticipated until the next inspection cycle several years from now.

All six of the facilities that received a formal 30 day Notice to Submit a Compliance Schedule have done so. These sites are being monitored closely by their respective LEAs and will receive no further staff inspections until the next inspection cycle.

The most common violations cited at all disposal sites inspected to date have been:

- 17751 - Periodic Site Review (51% of all sites).
- 17682 - Cover (48% of all sites).
- 17616 - Report of Disposal Site Information (38% of all sites).
- 17684 - Intermediate Cover (36% of all sites).
- 17708 - Drainage and Erosion Control (32% of all sites).
- 17710 - Grading of Fill Surfaces (31% of all sites).

The most common violations cited at transfer stations to date have been:

- 17642 - Special Occurrences (35% of all facilities).
- 17441 - Report of Station Information (33% of all facilities).
- 17557 - Station Maintenance Program (22% of all facilities).
- 17513 - Solid Waste Removal (19% of all facilities).

DESCRIPTION OF TABLES:

Table I displays information on those sites for which evaluation reports have been completed and sent to the operator, owner, and LEA. A total of 1127 violations have been cited with an average of 4.7 violations per site. Eighty-two percent of these sites received at least one violation. The highest number of violations observed for any one facility was 18 for a disposal site and 9 for a transfer station.

Table II, using a random sample of 100 disposal site inspection reports, shows the distribution of violations that can be found on any given inspection.

RECOMMENDATION:

This item is presented for the Board's information and discussion purposes. No action is necessary.

TABLE I
COMPLETED SITE REPORT DATA

	Disposal Sites	Transfer Stations	Total
# of Sites	118	40	158
# of Inspections	242	85	327
Total Violations	1171	177	1348
Average Per Inspection	4.8	2.1	---
% At Least One Violation	94%	70%	---
Greatest # On One Inspection	18	9	---

TABLE II
SAMPLE DISTRIBUTION OF DISPOSAL
SITE INSPECTION VIOLATIONS

Violations per Inspection	% of Inspections
0	6
1	10
2	15
3-5	38
6-10	22
10+	9

Sample Size = 100

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM # 7

AUGUST 13 - 14, 1987

ITEM:

Consideration of Inclusion of Santa Clara/Coastal Landfill (Ventura County) on the State List of Non-Complying Facilities (Government Code Section 66796.38.)

KEY ISSUES:

- 90-day notice of intent to add facility to the State List of Non-Complying Facilities issued on April 3, 1987.
- Facility re-inspected on July 16, 1987.
- Santa Clara section owned by City of Oxnard was found in violation of three standards, two of which were repeat violations.
- No repeat violations found at Coastal section owned by the Ventura Regional Sanitation District.
- Sanitation District and City have applied for separate Permits as ordered by the Board on March 27, 1987.
- Staff recommends Board take action against the City of Oxnard and take no action against the Ventura Regional Sanitation District.

SITE INFORMATION

Name: Santa Clara/Coastal Landfill

SWIS #: 56-AA-0004

Facility Type: Class III Sanitary Landfill

Operational Status: Open

Location: 4105 W. Gonzales Road, Oxnard
(Ventura County)

Setting: Agricultural/Residential

Permitted Acreage: 244 acres

Permitted Tonnage: 1,500 Tons per day seven days per
week

In-Place Tonnage: Approximately 5,500,000 tons

Commencement Date: 1960 (approximate)

Closure Date: Approximately 1988

Facility Owner: Ventura Regional County Sanitation
District/City of Oxnard

Facility Operator: Ventura Regional County Sanitation
District

Local Enforcement Agency: Ventura County Environmental Health

BACKGROUND

At its March 1987 meeting, the Board authorized the Chief Executive Officer to issue the Ventura Regional Sanitation District a 90-day notice to correct deficiencies at the Santa Clara/Coastal Landfill. This action resulted from repeated and/or uncorrected violations documented during three on-site inspections by Board staff between December 20, 1985 and January 8, 1987. The repeated and/or uncorrected violations included:

- 17616 - Report of Disposal Site Information; Permits
- 17629 - Public Health Design Parameters
- 17682 - Daily Cover
- 17704 - Leachate Control
- 17705 - Gas Control
- 17710 - Drainage and Erosion Control

The Board Notice, issued on April 3, 1987, required the operator to implement specified actions to correct the above violations within 90 days. To verify compliance, the site was re-inspected by Board staff on July 16, 1987, 104 days after issuance of the Notice. Complete documentation of July 16, 1987 staff inspection can be found in Attachment # 5. The site was found in violation of the following standards:

- 17681 - Availability of Cover Material (new violation, Coastal)
- 17705 - Gas Control (repeat violation, Santa Clara)
- 17708 - Drainage and Erosion Control (new violation, Santa Clara)
- 17710 - Grading of Fill Surfaces (repeat violation, Santa Clara)

The Santa Clara and Coastal sections of the landfill are owned by separate entities which are in the process of obtaining separate Solid Waste Facilities Permits for their respective sections as ordered by the Board at its March 1987 meeting.

The Santa Clara section (closed) is owned by the City of Oxnard where it operates the River Ridge Golf Course. The City has not corrected the violation of Section 17710 (Grading of Fill Surfaces) at the golf course and had not submitted an acceptable work plan to correct the violation as specified in the Board Notice of April 3, 1987.

The City of Oxnard has installed gas monitoring probes between the gas migration control barrier and the Radisson Hotel complex as required by the Board Notice of April 3, 1987. Monitoring results from several of these recently installed gas probes indicate methane gas outside the gas migration control barrier within 1000 feet of the Radisson Hotel complex.

Staff believes these monitoring results indicate a potential methane gas hazard or nuisance to the public but that more monitoring is required to assess how serious the problem is and what mitigation measure will be necessary.

Irrigation water was found ponded in a perimeter drain at the southeast corner of the site Santa Clara section. Several down drains along the golf course perimeter were observed to be cracked or otherwise ineffective in draining water from the golf course.

The Coastal section of the landfill, which is owned and operated by the Ventura Regional Sanitation District, was found to have complied with all specified actions required for Coastal section in the Board Notice. The Coastal section was also found to be in compliance with all other applicable State Minimum Standards except Availability of Cover Material (CAC Section 17681). This was a relatively minor violation related to using a cover material with a high moisture content.

MONITORING ACTIONS:

CWMB Monitoring of the Santa Clara Section:

Two staff inspections have been conducted at the Santa Clara section of the landfill. The dates of these inspections, and sections that were found in violation or given an indeterminate status are presented in the following summary:

**SUMMARY OF PRESLEY INSPECTION VIOLATIONS
AT THE SANTA CLARA SECTION OF THE LANDFILL:**

LEGEND: C = Comply V = Violation I = Indeterminate

<u>CAC SECTION</u>	<u>1/8/87</u>	<u>7/16/87</u>
17704 - Leachate Control	I	C
17705 - Gas Control	V	V
17708 - Drainage and Erosion Control	C	V
17710 - Grading of Fill Surfaces	V	V

The site was found in compliance with all other applicable standards. Violations are thoroughly documented in the individual inspection reports which are attached.

Results of the inspections were transmitted to the operator and the LEA. The cover letters described the nature of our evaluation program and the consequences of noncompliance.

LEA Monitoring Activities:

During the California Waste Management Board evaluation of the Santa Clara/Coastal Landfill (December 20, 1985, to July 16, 1987), the Local Enforcement Agency reported the results of 17 site inspections to the Board's Solid Waste Information System (SWIS). The following 43 violations were documented by the LEA during the inspections of the combined facility and were not separated by section of the landfill:

<u>CAC Section</u>	<u>Number of Violations</u>
17638 - Site Security	1
17657 - Entry Signs	1
17682 - Cover	5
17701 - Nuisance Control	1
17706 - Dust Control	2
17707 - Vector and Bird Control	5
17708 - Drainage and Erosion Control	9
17710 - Grading of Fill Surfaces	5
17711 - Litter Control	6
17726 - Equipment	1
17732 - Operating Site Maintenance	2
17742 - Hazardous Wastes	4
Other	<u>1</u>
TOTAL	43

BOARD COMPLIANCE ACTIVITIES:

Since July of 1986, CWMB Compliance staff have met with the Ventura County LEA, the Ventura Regional Sanitation District (Operator), and the CWMB Monitoring staff. All violations recorded against this facility were discussed.

Twelve follow up telephone calls and four meetings have been made with the LEA and the Operator in order to track mitigation efforts at the site and to answer questions regarding Code interpretations or correction expectations.

The Mayor of the City of Oxnard was contacted on July 29, 1987 and appraised of the impending Board action. The Mayor indicated that his staff would do everything possible to submit a revised grading plan to the Local Enforcement Agency prior to the August Board meeting.

RESULTS:

The Santa Clara/Coastal Landfill was inspected 104 days after the issuance of a 90 day notice to correct deficiencies. All pertinent information including data from four separate California Waste Management Board staff inspections has been reviewed. Violations of Grading of Fill Surfaces (17710) and Gas Control (17705) were documented at the Santa Clara section of the landfill owned by the City of Oxnard. The continued grading violation and failure by the City to submit an acceptable workplan to correct this violation as directed by the Board is considered a deficiency. However, the City has indicated that it intends to submit a revised workplan prior to consideration of this item by the Board at its August meeting.

Staff has concluded that insufficient monitoring has been conducted to determine the nature and extent of the gas problem identified between the gas migration barrier and the Radisson Hotel.

No repeat or ongoing violations were documented at the Coastal section of the landfill owned by the Ventura Regional Sanitation District. However, the Coastal section was found in violation of Availability of Cover Material (17681) on the staff inspection of July 16, 1987.

BOARD OPTIONS:

OPTION # 1

If the City of Oxnard does not submit a grading plan approved by the Local Enforcement Agency for the Santa Clara section of the Santa Clara/Coastal Landfill, include only the Santa Clara section of landfill on the State List of Non-Complying Facilities pursuant to Government Code Section 66796.38 for failure to comply with State Minimum Standards. The LEA shall develop a compliance schedule for the subject facility as directed by Government Code Section 66796.39. Should the facility not achieve compliance with State Minimum Standards within one year of inclusion on the List, Government Code Section 66796.39 further directs the Local Enforcement Agency to revoke the facility's operating permit.

OPTION # 2

If the City of Oxnard does not submit a grading plan approved by the Local Enforcement Agency for the Santa Clara section of the Santa Clara/Coastal Landfill, include the entire Santa Clara/Coastal Landfill on the State List of Non-Complying Facilities pursuant to Government Code Section 66796.38 for failure to comply with State Minimum Standards. The LEA shall develop a compliance schedule for the subject facility as directed by Government Code Section 66796.39. Should the facility not achieve compliance with State Minimum Standards within one year of inclusion on the List, Government Code Section 66796.39 further directs the Local Enforcement Agency to revoke the facility's operating permit.

OPTION # 3

Upon demonstration by the City of Oxnard that a grading plan for the Santa Clara section of the landfill has been submitted to and approved by the Local Enforcement Agency on or before consideration of this item by the Board, direct the LEA to follow up with compliance efforts for the Grading of Fill Surfaces, Gas Control, and any other violations at the Santa Clara/Coastal Landfill, and not include the Santa Clara/Coastal Landfill on the State List of Non-Complying Facilities.

NOTIFICATION:

The site operator and LEA have been invited to present any information relevant to the matter under consideration to the Board at its August meeting.

RECOMMENDATION:

Based on the information available to staff during the preparation of this evaluation, staff recommends that the Board implement Option #1 and include only the Santa Clara section of the landfill on the State List of Non-Complying Facilities pursuant to Government Code Section 66796.39.

ATTACHMENTS:

1. First staff inspection report , December 20, 1985.
2. Second staff inspection report, July 25, 1986.
3. Third staff inspection report, January 8, 1987.
4. Board Notice, April 3, 1987
5. Fourth staff inspection report, July 16, 1987.
6. CWMB Resolution, 87-11

CALIFORNIA WASTE MANAGEMENT BOARD

1620 NINTH STREET, SUITE 300
CRAMENTO, CA 95814

5/9/86

To: Wayne Bruce, Manager
Ventura Regional Sanitation District
10001 Partridge, Suite 150
Ventura, CA 93003

Subject: Report of inspection: Santa Clara/Coastal Sanitary Landfill

56-AA-004

Government Code Section 66796.38 requires the California Waste Management Board (Board) to conduct inspections of solid waste facilities for the purpose of evaluating compliance with the State Standards for Solid Waste Handling and Disposal (Title 14, California Administrative Code, Division 7 Chapter 3, commencing with section 17200). Under this program, each facility will be inspected at least three separate times. As you are aware by now, staff has already conducted one of these inspections at the subject facility. The date of that inspection was December 20, 1985. A report resulting from the recent inspection is enclosed. If photographs are referred to in the inspection report, copies will be obtainable upon written request.

The goal of our inspection program is to verify compliance with each of the State Minimum Standards, not merely to find violation(s) of these standards. In order to achieve this we will, as I stated above, be inspecting each facility at least three times. This will provide the following advantages over the previous inspection techniques:

- * The program will provide greater fairness to operators of facilities by reducing the possibility that one operator will be inspected under adverse conditions and another under favorable conditions.
- * The program will allow for evaluation of conditions, which show seasonal variations such as effectiveness of leachate control systems, vectors, dust, etc.
- * The program will provide a track record of compliance which will be used in evaluating standards for which a single violation may not be sufficient reason to place the facility on the State List of Non-Complying Facilities when the facility is generally in compliance with that standard, i.e., the daily cover standard.

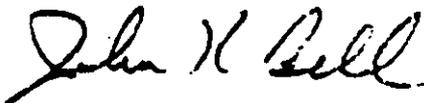
**Procedures/Inspection
Page Two**

Although we do not intend to provide advance notice of the inspection dates to operators, the Local Enforcement Agency (LEA) will be notified of those dates, and will be invited to accompany our staff on the inspection.

If, after three inspections, your facility continues to be operating in violation of one or more of the State Minimum Standards you will be notified of this finding by certified letter. A copy of that letter will be sent to the LEA. After 90 days or upon notification of correction of all violations(s), Board staff will reinspect the facility. If the facility is still in violation, staff will notify you and the LEA, by certified letter of staff's intent to recommend that the Board place the facility's name on the State List of Non-Complying Facilities at a regularly scheduled meeting of the Board. Should the Board place the facility on that list, State law (Government Code 66796.39) requires that the LEA develop a compliance schedule for correction of the violation(s). If compliance is not achieved within one year, Government Code section 66796.39 directs LEAs to revoke facility operating permits. If the facility is closed or abandoned, staff will recommend that the LEA issue a notice of violation and an order to correct the violations. That Notice and Order will also notify you or the owner of the facility that State law provides that "the unremedied condition of the facility is prima facie evidence of negligence, and in any action for damages against the owner of the property for injury caused by the unremedied condition, the burden of proving the injury was not caused by an unremedied condition shall be on the owner of the property".

If you have any questions regarding the program, please contact me at (916) 322-6172.

Sincerely,



John K. Bell, Manager
Monitoring Section

cc: Don Koepp, Ventura County Environmental Health

mea

NOTICE OF INSPECTION
DISPOSAL SITE

LOCAL ENFORCEMENT
AGENCY: Ventura County Environ. Health

FACILITY FILE NUMBER COUNTY LEA NUMBER 56-AA-004		PROGRAM CODE P	INSPECTION DATE MM DD YY (1011) 12-20-85	T-OUT T-IN	TOTAL TIME (DECIMAL HOURS) (1021) 9.0
FACILITY NAME SANTA CLARA/Coastal S.L.				RECEIVED BY: Operator _____ Owner _____	
INSPECTOR R. Hill		ALSO PRESENT MARK BAILEY			

Comments: 17616 - The RDSI does not describe current operations and conditions
17751 - The 5-yr review was not completed.

See Also: Monitoring Inspection Report of the same date.

(3011) RECORDS <input checked="" type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> ACCURATE WEIGHT/VOLUME RECORDS MAINTAINED 17636 <input type="checkbox"/> ADEQUATE SUBSURFACE RECORDS MAINTAINED 17637 <input checked="" type="checkbox"/> LOG OF SPECIAL OCCURRENCES MAINTAINED 17638 <input type="checkbox"/> RECORDS AVAILABLE FOR INSPECTION 17639	(3021) PERSONNEL <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> ADEQUATE NUMBER OF QUALIFIED PERSONNEL AVAILABLE 17646 <input checked="" type="checkbox"/> PERSONNEL ADEQUATELY TRAINED 17647 <input type="checkbox"/> ADEQUATE SUPERVISION PROVIDED 17648 <input type="checkbox"/> SITE ATTENDANT AVAILABLE FULL-TIME OR AS DETERMINED BY LEA 17649	(3031) SIGNS <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> IDENTIFICATION SIGNS AT EACH POINT OF ACCESS 17656 <input type="checkbox"/> ENTRY SIGN STATES FEE, HOURS OF OPERATION, WASTES ACCEPTED/NOT ACCEPTED 17657 <input type="checkbox"/> NON-HAZARDOUS UNATTENDED SITES HAVE SIGN WARNING USERS OF UNAVAILABILITY OF COMMUNICATION FACILITIES 17658	(3041) SECURITY <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> ADEQUATE PERIMETER SECURITY, HAZARDOUS AREAS FENCED AND IDENTIFIED 17659	(3051) ROADS <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> ACCESS ROADS HAVE SMOOTH SURFACE, MINIMIZE DUST AND TRACKING OF MUD, AND ALLOW ALL-WEATHER ACCESS 17669 <input type="checkbox"/> INTERNAL ROADS IN SAFE CONDITION, PROVIDE ACCESS DURING INCLEMENT WEATHER, AND ARE PROVIDED WITH DIRECTIONS 17670	(3071) SANITATION <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> ADEQUATE SANITARY FACILITIES AVAILABLE 17686 <input type="checkbox"/> SAFE ADEQUATE DRINKING WATER AVAILABLE 17687	(3081) COMMUNICATIONS <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> COMMUNICATION FACILITIES AVAILABLE WHERE HAZARDOUS WASTES ARE ACCEPTED 17688	(3091) LIGHTING <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> LIGHTING ADEQUATE 17689	(3101) SAFETY <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> SAFETY EQUIPMENT IN USE AND BEING WORN 17690	(3111) CONFINED UNLOADING <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> UNLOADING ADEQUATELY CONFINED 17696	(3141) SPREADING/COMPACTING <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> SPREADING AND COMPACTION IN TWO-FOOT LAYERS 17697	(3151) SLOPES/CUTS/GRADING <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> WORKING FACE SLOPES ALLOW EFFECTIVE COMPACTION, DEPTH OF CUTS AND SLOPES OF TRENCH SIDES AS APPROVED BY LEA 17698 <input checked="" type="checkbox"/> TRENCH SLOPES HAVE NEAT APPEARANCE AND ARE 1-3/4 : 1 OR FLATTER 17699 <input checked="" type="checkbox"/> GRADINGS OF FILL SURFACES ADEQUATE 17700	(3161) COVER <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> STOCKPILING OF COVER DOES NOT INTERFERE WITH OPERATIONS 17680 <input type="checkbox"/> SUITABLE QUALITY AND SUPPLY OF COVER MATERIAL AVAILABLE 17681 <input checked="" type="checkbox"/> COVER PROVIDED AT REQUIRED DEPTH AND FREQUENCY 17682 <input checked="" type="checkbox"/> INTERMEDIATE COVER PROVIDED AT REQUIRED DEPTH AND FREQUENCY 17684 <input type="checkbox"/> FINAL COVER PROVIDED AS REQUIRED 17683	(3171) SALVAGING/PROCESSING <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> SCAVENGING PROHIBITED 17686 <input type="checkbox"/> SALVAGING DOES NOT INTERFERE WITH OPERATIONS 17687 <input type="checkbox"/> VOLUME REDUCTION AND ENERGY RECOVERY DO NOT INTERFERE WITH OPERATIONS OR CREATE HEALTH, SAFETY OR ENVIRONMENTAL PROBLEMS 17688 <input type="checkbox"/> SALVAGING AND VOLUME REDUCTION CONFINED TO CLEARLY IDENTIFIED AREAS 17689 <input type="checkbox"/> SALVAGE STORAGE LOCATION OR VOLUME AS APPROVED BY LEA, MINIMIZES FIRE, NUISANCE 17690 <input type="checkbox"/> SALVAGE STORAGE TIME DOES NOT RESULT IN HEALTH OR FIRE PROBLEMS 17691 <input type="checkbox"/> SALVAGED MATERIALS APPROVED BY LEA AND LOCAL HEALTH 17692	(3181) NUISANCE <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> OPERATIONS DO NOT CREATE A PUBLIC NUISANCE 17701 <input type="checkbox"/> FEEDING OF REFUSE TO ANIMALS FOR HUMAN CONSUMPTION PROHIBITED 17702	(3191) FIRE <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> FIRE CONTROL ADEQUATE 17703	(3192) FIRE (P) <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> BURNING MATERIALS SPREAD AND EXTINGUISHED. LEA, RWCS NOTIFIED IMMEDIATELY OF FIRE NOT EXTINGUISHED IN 24 HOURS 17681	(3201) LEACHATE <input type="checkbox"/> V <input type="checkbox"/> C <input checked="" type="checkbox"/> ADEQUATE STEPS TAKEN TO MONITOR, COLLECT, TREAT, AND DISPOSE OF LEACHATES 17704 <input type="checkbox"/> NO WASTES IN DIRECT CONTACT WITH WATER EXCEPT AS APPROVED BY RWCS 17705	(3202) LEACHATE (P) <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> REFUSE COVERED WITH NEAT DAY'S REFUSE OR WITH SIX INCHES OF COMPACTED SOIL. TOTAL AREA OF EXPOSED REFUSE IS AS SPECIFIED FOR WET AND DRY SEASONS 17683	(3211) GAS <input type="checkbox"/> V <input type="checkbox"/> C <input checked="" type="checkbox"/> GAS MONITORING AND CONTROL AS REQUIRED 17706	(3221) DUST <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> DUST CONTROL ADEQUATE 17704	(3231) VECTORS/BIRDS <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> VECTOR AND BIRD CONTROL ADEQUATE 17707 <input type="checkbox"/> LIQUID PONDS MINIMIZE VECTOR PROPAGATION 17708	(3232) VECTORS (P) <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> THRESHOLD VALUES FOR VECTOR POPULATIONS NOT EXCEEDED 17683	(3241) DRAINAGE/EROSION <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> DRAINAGE AND EROSION CONTROL ADEQUATE 17709	(3251) LITTER <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> LITTER CONTROL ADEQUATE 17711	(3252) LITTER (P) <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> LITTER NOT ALLOWED TO MIGRATE OFF-SITE 17683	(3261) NOISE <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> NOISE CONTROL ADEQUATE 17712	(3271) ODOR <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> ODOR CONTROL ADEQUATE 17713	(3272) ODOR (P) <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> AMBIENT AIR AT OR BEYOND FACILITY BOUNDARY IS NOT OFFENSIVE 17683	(3281) TRAFFIC <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> TRAFFIC CONTROL ADEQUATE WITHIN SITE. TRAFFIC MINIMIZES INTERFERENCE, SAFETY PROBLEMS, AND STACKING ON PUBLIC ROADS 17714	(3291) EQUIPMENT <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> EQUIPMENT ADEQUATE IN TYPE, CAPACITY, AND NUMBER, AND IS ADEQUATELY MAINTAINED 17725 <input checked="" type="checkbox"/> STANDBY EQUIPMENT AVAILABLE TO C WITH SEC. 17681 AND SECTIONS 17727	(3301) MAINTENANCE <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> EFFECTIVE MAINTENANCE PROCEDURES AND PROGRAMS DEVELOPED AND UTILIZED 17731 <input type="checkbox"/> ADEQUATE MONITORING AND REPAIR OF DETERIORATED CONDITIONS 17732	(3311) CLOSURE <input type="checkbox"/> V <input type="checkbox"/> C <input type="checkbox"/> AFTER CLOSURE, IF LEACHATE, EXTENSIVE SURFACE CRACKING OR SETTLEMENT OCCURS, THE OWNER SHALL NOTIFY LEA AND SHALL MONITOR AND REPAIR SITE FOR A PERIOD OF 3 YEARS OR LONGER 17734 <input type="checkbox"/> UPON SITE CLOSURE, DETAILED DESCRIPTION MUST BE FILED WITH THE LEA AND WITH THE COUNTY RECORDER 17735	(3321) SPECIAL WASTES <input type="checkbox"/> V <input checked="" type="checkbox"/> C <input type="checkbox"/> BURNING WASTES IMMEDIATELY SPREAD AND EXTINGUISHED IN SAFE AREA 17741 <input checked="" type="checkbox"/> SITE ACCEPTS ONLY APPROVED HAZARDOUS WASTES AND TAKES PRECAUTIONS TO ELIMINATE OR CONTROL HARMFUL DUSTS, FUMES, MISTS, VAPORS, OR GASES 17742 <input type="checkbox"/> LIQUID WASTES APPROVED BY RWCS, LOCAL HEALTH ENTITY AND LEA 17743 <input type="checkbox"/> DEAD ANIMALS ALLOWED BY LOCAL REGULATIONS 17744	(3331) OTHER <input type="checkbox"/> V <input type="checkbox"/> C
--	--	---	---	---	--	---	--	---	--	--	--	---	--	---	--	--	--	--	--	--	---	---	--	--	--	--	--	---	---	--	---	--	---	--

*V = Violation
C = Compliance **90**

CALIFORNIA WASTE MANAGEMENT BOARD

DISPOSAL SITE
EVALUATION REPORT

Page 1 of 11

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature:

Richard E. Hill

CAC Section: Observations: Conclusions:

Disposal Site Information:

17616 Report of Disposal Site Information	The RDSI does not describe operations at the "Coastal" portion of the site and it does not describe the closure process at the "Santa Clara portion.	Violation
--	--	-----------

Design Responsibility:

17626 Design Responsibility	This was a grandfathered facility.	N/A
-----------------------------------	------------------------------------	-----

17627 Ultimate Use	The "Santa Clara" portion is becoming a golf course and the "Coastal" portion will become recreational.	Comply
--------------------------	---	--------

17628 General Design Parameters	This was a grandfathered site.	N/A
---------------------------------------	--------------------------------	-----

17629 Public Health Design Parameters	This was a grandfathered site.	N/A
---	--------------------------------	-----

Section Manager *J/S*

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature:

Richard E. Hill

CAC Section:

Observations:

Conclusions:

Disposal Site Records:

17636

Weight/Volume
Records

Vehicles are weighed at a scalehouse at the entry. Weight records appeared to be sufficiently accurate for forecasting site filling and planning purposes.

Comply

17637

Subsurface
Records

The operator has records showing depth to groundwater and where waste has been placed.

Comply

17638

Special
Occurrences

Special occurrence records were not kept for incidents not involving injury or property loss. A system exists for reporting injury and property loss which includes a description of the incident, how the incident was handled and an analysis of how to avoid future similar incidents. This system would be satisfactory if it included operational special occurrences and daily entries. Such an arrangement could be quite valuable to the operator.

Violation

17639

Inspection
of Records

Records were available onsite or at nearby district offices during normal business hours.

Comply.

Disposal Site Personnel:

17646

Availability

There was a scalehouse keeper, a spotter, three equipment operators, a site supervisor and a superintendent on site during this inspection. Other personnel were also on site. There were adequate numbers of personnel to operate the landfill.

Comply

Facility Name: Coastal D.S.

Facility ID No.: 56-AA-004

Name of Inspector: Richard Hill

Inspection Date: December 20, 1985

Signature:

Richard E. Hill

CAC Section:

Observations:

Conclusions:

17647

Training

The operation uses an "as needed" training program. A collision between a dozer and the operational scraper caused the cover operation to cease before the working face was covered. Equipment operators frequently impeded traffic flow at the wet weather pad. Future inspections should verify that training is adequate.

Indeterminate

17648

Supervision

There was a site supervisor and a superintendent on site. There were sufficient numbers of supervisory personnel on site.

Comply

17649

Site
Attendant

A scalehouse keeper, spotter and site supervisor attended this site.

Comply

Disposal Site Improvements:

17656

Identification
Signs

The site was identified from public roads.

Comply

17657

Entry
Signs

Entry signs were posted at the gatehouse.

Comply

17658

Site
Security

I did not observe unauthorized dumping or use.

Comply

17659

Access
Roads

Access roads were smooth and did not generate dust or promote tracking.

Comply

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature:

Richard E. Hill

CAC Section:	Observations:	Conclusions:
17660 Internal Roads	Internal roads were smooth, did not inhibit unloading and were signed.	Comply
<u>Disposal Site Health and Safety:</u>		
17666 Sanitary Facilities	Sanitary facilities were available at the on site office.	Comply
17667 Water Supply	City and bottled water were available on site.	Comply
17668 Communications Facilities	There are phones at the facility. Phone #: 659-2130	Comply
17669 Lighting	There was a generator and lighting system at the working face.	Comply
17670 Personnel Health And Safety	The LEA did not require specific items of safety equipment. The operator main- tains records of injury accidents which includes an analysis of the accident and future safety equipment requirements.	Comply

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature:

Richard E. Hill

CAC Section:

Observations:

Conclusions:

Disposal Site Operations:

17676

Confined
Unloading

Operations were confined to a wet weather pad. The unloading was confined to a well defined area and wind blown material was controlled.

Comply

17677

Spreading
and Compacting

Waste was spread and compacted in such a way as to be likely to eliminate voids and rodent harborage.

Comply

17678

Slopes
and Cuts

The slope of the working face was maintained at a ratio which allowed effective compaction of waste by the dozers which were being used.

Comply

17679

Final Site
Face

The site was not fully evaluated for this standard. The "Santa Clara" portion of this section appeared to comply with this standard except that LEA requirements were not available in the field. Future inspections should verify final site face compliance.

Indeterminate

17680

Stockpiling

Stockpiling did not interfere with other site activities.

Comply

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature: *Richard E. Hill*

CAC Section:	Observations:	Conclusions:
17681 Availability of Cover	Cover is purchased from off site sources and was arriving during this inspection.	Comply
17682 Cover	Daily cover was not accomplished due to an accident between the only operational scraper on site and a dozer (according to the site supervisor, Mark Bailey). Additionally, daylighting occurred over much of the lift under construction.	Violation
17683 Performance Standards	The site uses daily cover rather than performance standards.	N/A
17684 Intermediate Cover	Areas where waste will not be received for the next 180 days could not be identified. Future inspections will have to verify intermediate cover.	Indeterminate
17685 Final Cover	The "Santa Clara" portion appeared to have final cover.	Comply
17686 Scavenging	Scavenging was not observed.	Comply
17687 Salvaging Permitted	Salvaging is permitted, is conducted in a planned and controlled fashion, and did not interfere with other site activities.	Comply
17688 Volume Reduction and Energy Recovery	VR/ER was not observed.	Comply
17689 Processing Area	Processing was not observed.	Comply

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature:

Richard E. Hill

CAC Section:	Observations:	Conclusions:
I7690 Storage of Salvage	Salvage was stored in a well defined area segregated from the working face. Storage was not a fire hazard or nuisance.	Comply
I7691 Removal	Storage time did not appear likely to cause a health or fire problem.	Comply
I7692 Non-Salvageable Items	I did not see non salvageable items salvaged.	Comply
<u>Disposal Site Controls:</u>		
I7701 Nuisance Control	The LEA said he was not aware of recent nuisance complaints. I did not observe public nuisances on site.	Comply
I7702 Animal Feeding	I did not see animals feeding on waste.	Comply
I7703 Fire Control	The site had a water truck operating on site. The spotter's truck was equipped to handle minor fires. There were areas available for spreading and extinguishing waste.	Comply
I7704 Leachate Control	The LEA said that recent monitoring results indicate contamination of the Oxnard aquifer. The Santa Clara Sani- tary Landfill Closure Plan prepared by VRSD in June 1982 says perched ground- water has been degraded. Future inspectors should review monitoring data which is being currently being collected.	Indeterminate

Name of Facility: Coastal D.S.

Facility ID No.: 56-AA-004

Name of Inspector: Richard Hill

Inspection Date: Dec. 20, 1985

Signature:

Richard E. Hill

CAC Section:	Observations:	Conclusions:
17705 Gas Control	Gas monitoring results indicate high levels of gas. The gas monitoring and control systems should be reviewed by CWMB technical staff to determine compliance with this section. The operator's preparing a revised gas monitoring and control plan for the LEA.	Indeterminate
17706 Dust Control	I did not observe dusty conditions.	Comply
17707 Vector and Bird Control	I did not observe vectors on site. Birds did not appear likely to be a hazard to aviation.	Comply
17708 Drainage and Erosion Control	I did not find clogged drainage structures or waste that was exposed by erosion.	Comply
17709 Contact with Water	I did not observe waste in contact with water.	Comply
17710 Grading of Fill Surfaces	A large pond formed on the east side of the "Coastal" operation due to inadequate grading.	Violation
17711 Litter Control	I did not find litter off site in quantities likely to cause a public nuisance.	Comply
17712 Noise Control	I did not hear noise of a volume likely to cause a public nuisance.	Comply

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature: *Richard E. Hill*

CAC Section:	Observations:	Conclusions:
I7713 Odor Control	I smelled an odor from the upper lift of the active "Coastal" site. The wind was blowing towards the office where I could not detect an odor. Odor was not likely to cause a public nuisance during the inspection.	Comply
I7714 Traffic Control	Traffic using the site was not likely to cause a safety hazard. The site has a long entry way.	Comply
I7715 Ponded Liquid	I did not see leachate ponds on site.	Comply
<u>Disposal Site Equipment:</u>		
I7726 General	There were two dozers, two scrapers, one compactor, one water truck and other equipment on the "Coastal" site. The numbers and types of equipment appeared to be adequate for the "Coastal" operation. However, one dozer, one scraper and the compactor were down. Future inspections should verify that equipment is maintained so as to consistently perform work as intended.	Comply
I7727 Standby Equipment	Standby equipment was not available within a short enough time to allow compliance with section 17682. However, equipment failure occurred at the end of the day. Future inspections should verify that standby equipment is available within a reasonably short notice.	Indeterminate

Facility Name: Coastal D.S.

Facility ID No.: 56-AA-004

Name of Inspector: Richard Hill

Inspection Date: Dec. 20, 1985

Signature:

Richard E. Hill

CAC Section:	Observations:	Conclusions:
17731 General	Future inspectors will need to verify that preventative maintenance procedures are effective. Inspectors should pay specific attention to heavy equipment maintenance procedures and cover maintenance procedure.	Indeterminat
17732 Operating Site Maintenance	The operator appeared to be in a reasonable state of repair.	Comply
17733 Insp. on Completion	The site is not closed.	N/A
17734 Completed Site Maintenance	The site is not closed.	N/A
17735 Recording	The site was grandfathered and has not closed.	N/A
<u>Disposal Site Special Wastes:</u>		
17741 Burning Wastes	I did not observe burning waste at the site.	Comply
17742 Hazardous Wastes	Uncovered red bag waste was pointed out to site supervisor Mark Bailey.	Violation

Facility Name: Coastal D.S.

Facility ID No.:56-AA-004

Name of Inspector: Richard Hill

Inspection Dates:Dec. 20, 1985

Signature: *Richard E. Hill*

CAC Section:	Observations:	Conclusions:
17743 Liquid Wastes	I did not observe liquid waste received at the site.	Comply
17744 Dead Animals	I did not observe dead animals received at the facility.	Comply
<u>Disposal Site Reports and Reviews:</u>		
17751 Periodic Site Review	A 5-year review has not been conducted.	Violation

Notes:

This site, 56-AA-004 is composed of two operations. An inactive landfill operation called "Santa Clara" was in the closure process and was becoming a golf course. An active operation was called "Coastal".

CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300
SACRAMENTO, CA 95814

AUG 08 1986

To: Mr. Robert Epler, Manager
Solid Waste, Ventura Regional Sanitation District
1001 Partridge Drive, Suite 150
Ventura, CA 93003-5562

Subject: Report of inspection: Santa Clara Sanitary Landfill
56-AA-04

Government Code Section 66796.38 requires the California Waste Management Board (Board) to conduct inspections of solid waste facilities for the purpose of evaluating compliance with the State Standards for Solid Waste Handling and Disposal (Title 14, California Administrative Code, Division 7 Chapter 3, commencing with section 17200). Under this program, each facility will be inspected at least three separate times. As you are aware by now, staff has already conducted two of these inspections at the subject facility. The dates of those inspections were 12/20/85 and 7/25/86. A report resulting from the recent inspection is enclosed. If photographs are referred to in the inspection report, copies will be obtainable upon written request.

The goal of our inspection program is to verify compliance with each of the State Minimum Standards, not merely to find violation(s) of these standards. In order to achieve this we will, as I stated above, be inspecting each facility at least three times. This will provide the following advantages over the previous inspection techniques:

- * The program will provide greater fairness to operators of facilities by reducing the possibility that one operator will be inspected under adverse conditions and another under favorable conditions.
- * The program will allow for evaluation of conditions, which show seasonal variations such as effectiveness of leachate control systems, vectors, dust, etc.
- * The program will provide a track record of compliance which will be used in evaluating standards for which a single violation may not be sufficient reason to place the facility on the State List of Non-Complying Facilities when the facility is generally in compliance with that standard, i.e., the daily cover standard.

Procedures/Inspection
Page Two

Although we do not intend to provide advance notice of the inspection dates to operators, the Local Enforcement Agency (LEA) will be notified of those dates, and will be invited to accompany our staff on the inspection.

If, after three inspections, your facility continues to be operating in violation of one or more of the State Minimum Standards you will be notified of this finding by certified letter. A copy of that letter will be sent to the LEA. After 90 days or upon notification of correction of all violations(s), Board staff will reinspect the facility. If the facility is still in violation, staff will notify you and the LEA, by certified letter of staff's intent to recommend that the Board place the facility's name on the State List of Non-Complying Facilities at a regularly scheduled meeting of the Board. Should the Board place the facility on that list, State law (Government Code 66796.39) requires that the LEA develop a compliance schedule for correction of the violation(s). If compliance is not achieved within one year, Government Code section 66796.39 directs LEAs to revoke facility operating permits. If the facility is closed or abandoned, staff will recommend that the LEA issue a notice of violation and an order to correct the violations. That Notice and Order will also notify you or the owner of the facility that State law provides that "the unremedied condition of the facility is prima facie evidence of negligence, and in any action for damages against the owner of the property for injury caused by the unremedied condition, the burden of proving the injury was not caused by an unremedied condition shall be on the owner of the property".

If you have any questions regarding the program, please contact me at (916) 322-1769.

Sincerely,

John K. Bell, Manager
Monitoring Section

cc: Mr. Richard Hauge, Ventura County Environmental Health

Ventura Coastal Corporation

mea

CALIFORNIA WASTE MANAGEMENT BOARD

DISPOSAL SITE
EVALUATION REPORT

Page 1

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.: 56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger*

CAC Section: Observations: Conclusions:

Disposal Site Information:

17616

Report of Disposal Site Information

The Report of Disposal Site Information (RDSI) does not reflect the closure of the Santa Clara portion of the site. Operations on the Coastal portion of the site differ from the RDSI in the following: Site address, description of access, cover material type, equipment type and numbers, nearest residence, tonnage received, actual acreage permitted, gas and water monitoring, and resume of management organization.

Violation.

Design Responsibility:

17626

Design Responsibility

This standard applies to new facilities only.

N/A

17627

Ultimate Use

The Santa Clara Landfill has become a golf course. The ultimate use for the Coastal landfill is designated as recreational.

Comply

17628

General Design Parameters

The site design accounted for all factors in Section 17628.

Comply

17629

Public Health Design Parameters

The design appeared to meet the criteria listed in Section 17629.

Comply

Section Manager *[Signature]*

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.:56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature:

P. Badger

CAC Section:	Observations:	Conclusions:
17636 Weight/Volume Records	Records were kept which were adequate for forecasting the rate of site filling and for planning purposes. The site has been averaging approximately 2000 TPD.	Comply
17637 Subsurface Records	Subsurface records were maintained by the operator.	Comply
17638 Special Occurrences	Two logs of special occurrences were maintained, one by the site supervisor, and one at the gatehouse.	Comply
17639 Inspection of Records	Records were available during normal business hours.	Comply
Disposal Site Personnel:		
17646 Availability	No operation appeared to be restricted by a lack of personnel.	Comply
17647 Training	This site has an apprentice type training program. Site personnel complete about 40 hours of classes each year on landfill operation, safety, etc.	Comply
17648 Supervision	There were supervisory personnel on site.	Comply
17649 Site Attendant	The site was attended during operating hours. There was a spotter at the working face.	Comply
Disposal Site Improvements:		
17656 Identification Signs	I.D. signs contained the required information..	Comply

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.: 56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger*

CAC Section:	Observations:	Conclusions:
17657 Entry Signs	Entry signs contained the required information.	Comply
17658 Site Security	The site had a gate which was locked except during operating hours. I did not observe evidence of unauthorized access to the facility.	Comply
17659 Access Roads	Roads were smooth and allowed good access to the site. I did not see excessive dust or tracking of waste onto public roads.	Comply
17660 Internal Roads	Internal roads were smooth and allowed good access to the unloading areas. Roads were suitably signed.	Comply
Disposal Site Health and Safety:		
17666 Sanitary Facilities	Sanitary facilities were available on site.	Comply
17667 Water Supply	Drinking water was supplied.	Comply
17668 Communications Facilities	There were phones on site. Phone #: (805) 659-2130	Comply
17669 Lighting	This site does not operate during hours of darkness.	Comply
17670 Personnel Health and Safety	Most of the site equipment was supplied with environmental cabs. Employees on open cab equipment were supplied with dust filtering helmets and ear protection. All equipment operators are required to wear seat belts.	Comply

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.: 56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger, W*

CAC Section:	Observations:	Conclusions:
Disposal Site Operations:		
17676 Confined Unloading	The unloading area was reasonably confined.	Comply
17677 Spreading and Compacting	Waste was adequately spread and compacted to eliminate voids.	Comply
17678 Slopes and Cuts	The slope of the working face was of an angle that appeared to allow effective compaction by the type of vehicles used.	Comply
17679 Final Site Face	The final site face had a neat and finished appearance and was of an acceptable slope.	Comply
17680 Stockpiling	Stockpiling did not interfere with other site activities.	Comply
17681 Availability of Cover	Cover was available on site.	Comply
17682 Cover	Daily cover was applied. (See slides # 1.1-1.4 and 2.5-2.7)	Comply
17683 Performance Standards	This was not a performance standard site.	N/A
17684 Intermediate Cover	It appeared that intermediate cover was applied where appropriate. There was no exposed waste in intermediate cover areas.	Comply
17685 Final Cover	Areas of final cover did not have exposed waste.	Comply

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.:56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger*

CAC Section:	Observations:	Conclusions:
17686 Scavenging	I did not observe any scavenging.	Comply
17687 Salvaging Permitted	Salvaging is permitted and occurred in a clearly defined, organized and controlled manner.	Comply
17688 Volume Reduction and Energy Recovery	Volume Reduction and Energy Recovery were not observed.	Comply
17689 Processing Area	Salvaging occurred in a clearly defined area.	Comply
17690 Storage of Salvage	Storage of salvage occurred in clearly defined areas and was not likely to cause a safety hazard or public nuisance.	Comply
17691 Removal	Salvage storage time did not seem excessive or likely to cause a safety or fire hazard or become a public nuisance.	Comply
17692 Non-Salvageable Items	I did not observe the salvage of any items considered non-salvageable by this section.	Comply
Disposal Site Controls:		
17701 Nuisance Control	The operation did not appear to be likely to cause a public nuisance.	Comply
17702 Animal Feeding	I did not observe animals feeding on waste.	Comply
17703 Fire Control	The site had appropriate fire fighting equipment. I did not observe any fires or see evidence of recent fires.	Comply

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.: 56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger*

CAC Section:	Observations:	Conclusions:
<p>17704 Leachate Control</p>	<p>The Santa Clara section of the site has six groundwater monitoring stations with three wells each. The Los Angeles Regional Water Quality Control Board (RWQCB) has accepted data from both the Santa Clara and Bailard sites to be used at the Coastal site for water quality monitoring until its closure plan has been accepted and implemented. Dennis Dasker of the RWQCB said this site was considered to be in compliance with Subchapter 15 requirements as of the time of my inspection. This section shall be indeterminate because of the lack of independent test data confirming the operator's recorded data on the shallow wells.</p>	<p>Indeterminate</p>
<p>17705 Gas Control</p>	<p>There are 39 gas probes around the Santa Clara section of the landfill, and four on the (on-site) clubhouse. Each probe has two wells, at a 4 and 10 foot depth. I tested the clubhouse and southern perimeter methane monitoring wells that were currently accessible during construction.</p> <p>There is a methane recovery and control plant on the northwest corner of the site. The site is monitored for gas monthly. The methane concentration at the perimeter was less than 5% total methane. Dave Long of the Ventura County Regional Sanitation District described to my satisfaction how the gas collection well overlap was determined at the time of design.</p>	<p>Comply</p>

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.: 56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger*

CAC Section:	Observations:	Conclusions:
17706 Dust Control	This site was excessively dusty on the day of this inspection. Dust blew off the Coastal site onto the Santa Clara site's golf course. (See slides # 2.7 and 2.8.) This site is in the process of getting a larger water truck. Subsequent inspectors should check to see if this equipment has been received.	Violation
17707 Vector and Bird Control	There were a lot of gulls on site. The golf course at Santa Clara had so many coming from the landfill that they had to shoot off crackers. The landfill did not have any active gull abatement program on the day of my inspection. The operator should have a daily gull control program. (See slides # 1.5 and 2.2)	Violation
17708 Drainage and Erosion Control	I did not observe inadequate drainage control or inadequate erosion control. A new drain system has been dug around the Coastal section. The Santa Clara section has cement-lined drains.	Comply
17709 Contact with Water	I did not observe waste in contact with water.	Comply
17710 Grading of Fill Surfaces	Grading appeared to account for settlement and promote lateral runoff.	Comply
17711 Litter Control	Although there was a lot of litter at the working face, this litter was collected by litter fences. I did not observe litter leaving the site.	Comply
17712 Noise Control	Noise levels did not seem likely to cause a public nuisance.	Comply

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.: 56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger*

CAC Section:	Observations:	Conclusions:
17713 Odor Control	I did not detect odors on or off site that were likely to cause a public nuisance.	Comply
17714 Traffic Control	Traffic flow did not appear likely to cause a public safety hazard and I did not observe vehicles stacking onto public roads.	Comply
17715 Ponded Liquid	This site did not have any ponded liquid.	Comply
Disposal Site Equipment:		
17726 General	There appears to be sufficient equipment on the Coastal site for it to operate adequately. The equipment maintenance program is becoming computerized and is quite thorough.	Comply
17727 Standby Equipment	Adequate standby equipment was available on site.	Comply
Disposal Site Maintenance:		
17731 General	Equipment and facility maintenance programs appeared adequate.	Comply
17732 Operating Site Maintenance	Defective or deteriorated conditions were not observed.	Comply
17733 Insp. on Completion	There is no record in the California Waste Management Board files concerning an inspection upon completion of the Santa Clara landfill. However, site improvements and inspections have occurred since this time.	Comply

Facility Name: Santa Clara/Coastal Sanitary Landfill

Facility ID No.: 56-AA-04

Name of Inspector: P. Badger

Inspection Dates: 7/25/86

Signature: *P. Badger*

CAC Section:	Observations:	Conclusions:
--------------	---------------	--------------

17734 Completed Site Maintenance	The Santa Clara portion of this site is being maintained by the City of Oxnard as a golf course.	Comply
-------------------------------------	--	--------

17735 Recording	This site pre-exists the implementation of this standard.	Comply
--------------------	---	--------

Disposal Site Special Wastes:

17741 Burning Wastes	I did not observe burning wastes. There was space available for spreading and extinguishing burning waste.	Comply
-------------------------	--	--------

17742 Hazardous Wastes	I did not observe hazardous wastes received.	Comply
---------------------------	--	--------

17743 Liquid Wastes	I did not observe the dumping of any liquid wastes. Liquid wastes are not permitted at this site.	Comply
------------------------	---	--------

17744 Dead Animals	I did not observe dead animals being received.	Comply
-----------------------	--	--------

Disposal Site Reports and Reviews:

17751 Periodic Site Review	The current permit was issued in 1979. A five year review was due 1984, and has not yet been completed.	Violation
-------------------------------	---	-----------

Notes:

During parts of this inspection I was accompanied by Mr. Mark Baily, Mr. Robert Epler, and Mr. Charles Pierce, all of the Ventura Regional Sanitation District. The weather was fair with a strong wind out of the west in the afternoon.

**NOTICE OF INSPECTION
DISPOSAL SITE**

LOCAL ENFORCEMENT
AGENCY:

Ventura County Environmental
Health

SW18-99 (REV. 1/88)

FACILITY NAME <u>Santa Clara/Coastal Sanitary Landfill.</u>		T-OUT	
FACILITY LOCATION <u>Orland</u>		T-IN	
INSPECTOR <u>Badger</u>	ALSO PRESENT <u>M. Bailey, R. Gler, C. Pierce</u>	RECEIVED BY: Operator _____ Owner _____	

Comments: The Report of Disposal Site Information is out of date. It was excessively dusty at Coastal during my inspection. There was no air quality abatement activity - this should be a daily effort. The site is overdue for its five year Permit & Engineering site reviews.

<p>(3011) RECORDS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ACCURATE WEIGHT/VOLUME RECORDS MAINTAINED 17636</p> <p><input type="checkbox"/> ADEQUATE SUBSURFACE RECORDS MAINTAINED 17637</p> <p><input type="checkbox"/> LOG OF SPECIAL OCCURRENCES MAINTAINED 17638</p> <p><input type="checkbox"/> RECORDS AVAILABLE FOR INSPECTION 17639</p>	<p>(3111) CONFINED UNLOADING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> UNLOADING ADEQUATELY CONFINED 17674</p> <p>(3141) SPREADING/COMPACTING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> SPREADING AND COMPACTING IN TWO-FOOT LAYERS 17677</p> <p>(3151) SLOPES/CUTS/GRADING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> WORKING FACE SLOPES ALLOW EFFECTIVE COMPACTON. DEPTH OF CUTS AND SLOPES OF TRENCH SIDES AS APPROVED BY LEA 17678</p> <p><input type="checkbox"/> FINAL SLOPES HAVE NEAT APPEARANCE AND ARE 1 1/2 : 1 OR FLATTER 17679</p> <p><input type="checkbox"/> GRADING OF FILL SURFACES ADEQUATE 17718</p>	<p>(3191) FIRE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> FIRE CONTROL ADEQUATE 17703</p> <p>(3192) FIRE (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> BURNING MATERIALS SPREAD AND EXTINGUISHED. LEA, SWMS NOTIFIED IMMEDIATELY OF FIRE NOT EXTINGUISHED IN 24 HOURS 17704</p> <p>(3201) LEACHATE <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> ADEQUATE STEPS TAKEN TO MONITOR, COLLECT, TREAT, AND DISPOSE OF LEACHATES 17706</p> <p><input type="checkbox"/> NO WASTES IN DIRECT CONTACT WITH WATER EXCEPT AS APPROVED BY RWQCB 17709</p> <p>(3202) LEACHATE (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> REFUSE COVERED WITH NEXT DAY'S REFUSE OR WITH SIX INCHES OF COMPACTED SOIL. TOTAL AREA OF EXPOSED REFUSE IS AS SPECIFIED FOR WET AND DRY SEASONS 17710</p>	<p>(3281) TRAFFIC <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> TRAFFIC CONTROL ADEQUATE WITHIN SITE. TRAFFIC MINIMIZES INTERFERENCE, SAFETY PROBLEMS, AND STACKING ON PUBLIC ROADS 17714</p> <p>(3291) EQUIPMENT <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> EQUIPMENT ADEQUATE IN TYPE, CAPACITY, AND NUMBER, AND IS ADEQUATELY MAINTAINED 17720</p> <p><input type="checkbox"/> STANDBY EQUIPMENT AVAILABLE TO COMPLY WITH SEC. 17662 AND OTHER SECTIONS 17727</p> <p>(3301) MAINTENANCE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> EFFECTIVE MAINTENANCE PROGRAMS DEVELOPED AND UTILIZED 17731</p> <p><input type="checkbox"/> ADEQUATE MONITORING AND REPAIR OF DETERIORATED CONDITIONS 17732</p>	
<p>(3021) PERSONNEL <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> ADEQUATE NUMBER OF QUALIFIED PERSONNEL AVAILABLE 17686</p> <p><input type="checkbox"/> PERSONNEL ADEQUATELY TRAINED 17687</p> <p><input type="checkbox"/> ADEQUATE SUPERVISION PROVIDED 17688</p> <p><input type="checkbox"/> SITE ATTENDANT AVAILABLE FULL-TIME OR AS DETERMINED BY LEA 17689</p>	<p>(3161) COVER <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> STOCKPIILING OF COVER DOES NOT INTERFERE WITH OPERATIONS 17680</p> <p><input type="checkbox"/> SUITABLE QUALITY AND QUANTITY OF COVER MATERIAL AVAILABLE 17681</p> <p><input type="checkbox"/> COVER PROVIDED AT REQUIRED DEPTH AND FREQUENCY 17682</p> <p><input type="checkbox"/> INTERMEDIATE COVER PROVIDED AT REQUIRED DEPTH AND FREQUENCY 17684</p> <p><input type="checkbox"/> FINAL COVER PROVIDED AS REQUIRED 17685</p>	<p>(3211) GAS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> GAS MONITORING AND CONTROL AS REQUIRED 17702</p> <p>(3221) DUST <input checked="" type="checkbox"/> V <input type="checkbox"/> C</p> <p><input checked="" type="checkbox"/> DUST CONTROL ADEQUATE 17705</p> <p>(3231) VECTORS/BIRDS <input checked="" type="checkbox"/> V <input type="checkbox"/> C</p> <p><input checked="" type="checkbox"/> VECTOR AND BIRD CONTROL ADEQUATE. 17707</p> <p><input type="checkbox"/> LIQUID PONDS MINIMIZE VECTOR PROPAGATION 17712</p>	<p>(3291) CLOSURE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> AFTER CLOSURE, IF LEACHATE, EXTENSIVE SURFACE CRACKING OR SETTLEMENT OCCURS, THE OWNER SHALL NOTIFY LEA AND SHALL MONITOR AND REPAIR SITE FOR A PERIOD OF 5 YEARS OR LONGER 17734</p> <p><input type="checkbox"/> UPON SITE CLOSURE, DETAILED DESCRIPTION MUST BE FILED WITH THE LEA AND WITH THE COUNTY RECORDER 17735</p>	
<p>(3031) SIGNS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> IDENTIFICATION SIGNS AT EACH POINT OF ACCESS 17634</p> <p><input type="checkbox"/> ENTRY SIGN STATES FEE, HOURS OF OPERATION, WASTES ACCEPTED/NOT ACCEPTED 17637</p> <p><input type="checkbox"/> NON-HAZARDOUS UNATTENDED SITES HAVE SIGN WARNING USERS OF UNAVAILABILITY OF COMMUNICATION FACILITIES 17685</p>	<p>(3171) SALVAGING/PROCESSING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> SCAVENGING PROHIBITED 17686</p> <p><input type="checkbox"/> SALVAGING DOES NOT INTERFERE WITH OPERATIONS 17687</p> <p><input type="checkbox"/> VOLUME REDUCTION AND ENERGY RECOVERY DO NOT INTERFERE WITH OPERATIONS OR CREATE HEALTH, SAFETY OR ENVIRONMENTAL PROBLEMS 17688</p> <p><input type="checkbox"/> SALVAGING AND VOLUME REDUCTION CONFINED TO CLEARLY IDENTIFIED AREAS 17689</p> <p><input type="checkbox"/> SALVAGE STORAGE LOCATION OR VOLUME AS APPROVED BY LEA, MINIMIZES FIRE, NUISANCE 17690</p> <p><input type="checkbox"/> SALVAGE STORAGE TIME DOES NOT RESULT IN HEALTH OR FIRE PROBLEMS 17691</p> <p><input type="checkbox"/> SALVAGED MATERIALS APPROVED BY LEA AND LOCAL HEALTH 17692</p>	<p>(3232) VECTORS (P) <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> THRESHOLD VALUES FOR VECTOR POPULATIONS NOT EXCEEDED 17708</p> <p>(3241) DRAINAGE/EROSION <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> DRAINAGE AND EROSION CONTROL ADEQUATE 17709</p> <p>(3251) LITTER <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> LITTER CONTROL ADEQUATE 17711</p> <p>(3262) LITTER (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> LITTER NOT ALLOWED TO MIGRATE OFF-SITE 17712</p> <p>(3261) NOISE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> NOISE CONTROL ADEQUATE 17713</p> <p>(3271) ODOR <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ODOR CONTROL ADEQUATE 17714</p> <p>(3272) ODOR (P) <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> AMBIENT AIR AT OR BEYOND FACILITY BOUNDARY IS NOT ODOROUS 17715</p>	<p>(3321) SPECIAL WASTES <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> BURNING WASTES IMMEDIATELY SPREAD AND EXTINGUISHED IN SAFE AREA 17741</p> <p><input type="checkbox"/> SITE ACCEPTS ONLY APPROVED HAZARDOUS WASTES AND TAKES PRECAUTIONS TO ELIMINATE OR CONTROL HARMFUL DUSTS, FUMES, MISTS, VAPORS, OR GASES 17742</p> <p><input type="checkbox"/> LIQUID WASTES APPROVED BY RWQCB, LOCAL HEALTH ENTITY AND LEA 17743</p> <p><input type="checkbox"/> DEAD ANIMALS ALLOWED BY LOCAL REGULATIONS 17744</p> <p>(3331) OTHER <input checked="" type="checkbox"/> V <input type="checkbox"/> C</p> <p><u>File RDSI</u></p> <p><u>17751 Site Review</u></p>	
<p>(3041) SECURITY <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ADEQUATE PERIMETER SECURITY, HAZARDOUS AREAS FENCED AND IDENTIFIED 17683</p>	<p>(3101) NUISANCE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> OPERATIONS DO NOT CREATE A PUBLIC NUISANCE 17701</p> <p><input type="checkbox"/> FEEDING OF REFUSE TO ANIMALS FOR HUMAN CONSUMPTION PROHIBITED 17702</p>	<p>(3281) NOISE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> NOISE CONTROL ADEQUATE 17713</p>	<p>(3311) LIGHTING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> LIGHTING ADEQUATE 17716</p>	<p>(3101) SAFETY <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> SAFETY EQUIPMENT IN USE AND BEING WORK 17670</p>

*V = Violation
C = Compliance

CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300
SACRAMENTO, CA 95814

FEB 20 1987

To: Mr. John Conaway, Solid Waste Manager
Ventura Regional County Sanitation District
1001 Partridge Drive, Suite 150
Ventura, CA 93003

Subject: Report of Inspection: Santa Clara/Coastal Landfill
(56-AA-0004)

Government Code Section 66796.38 requires the California Waste Management Board (Board) to conduct inspections of solid waste facilities for the purpose of evaluating compliance with the State Standards for Solid Waste Handling and Disposal (Title 14, California Administrative Code, Division 7 Chapter 3, commencing with section 17200). Under this program, each facility will be inspected at least three separate times. As you are probably aware, the subject facility received its third inspection on January 8, 1987. Enclosed please find the Evaluation Report resulting from this third inspection. Copies of photographs or slides referred to in the report are available from the Board upon written request.

Results of the three field inspections along with all pertinent supporting data in our files have now undergone staff review. A final staff report is currently being prepared and will be sent to you as soon as possible. We are concerned with the following repeated and/or uncorrected violations of State Minimum Standards:

- 17616 - RDSI (ongoing)
- 17682 - Cover (repeated)
- 17705 - Gas Control (ongoing)
- 17710 - Grading of Fill Surfaces (ongoing)

We are also concerned with possible surface leachate control problems at the golf course and adequacy of the levee along the north perimeter of the Santa Clara section of the site.

At the March meeting of the California Waste Management Board tentatively scheduled for March 26 and 27, 1987, staff will report on its evaluation of the subject facility. Staff will recommend that the Board direct you to take specific corrective actions to gain compliance with State Minimum Standards. If the

Page Two

Board accepts this recommendation, you will be directed to submit a letter to the Board within 30 days stating specific dates for initiating and completing the corrective actions.

If this letter is not received by the Board within 30 days, or if the dates for implementing the required actions are not met, progress towards compliance will be deemed unsatisfactory. Verification of all deadlines will be made through additional staff inspections as necessary. If at any time progress is deemed unsatisfactory, a 90 day notice will be issued by the Chief Executive Officer stating the Board's intent to place the site on the State List of Non-Complying Facilities.

You should be aware that the Board may direct staff to issue a 90 day notice of it's intent to list the site rather than allow for additional time for compliance as recommended by staff.

You are invited to address the Board with any information you feel the Board should consider at it's March meeting. A notice of the meeting will be sent at least 10 days prior to the scheduled date.

A copy of this letter and the enclosed report will be sent to the LEA. If you have any questions regarding this program, please contact me at (916) 322-1769

Sincerely,



John K. Bell, Manager
Monitoring Section

Enclosure

cc Richard Hauge, Ventura Co. Environmental Health

mea

CALIFORNIA WASTE MANAGEMENT BOARD

SOLID WASTE FACILITY
EVALUATION REPORT

Facility Name: Santa Clara/Coastal L.F.

Facility ID No.: 56-AA-0004

Name of Inspector: Jack W. Miller

Inspection Dates: 1/8/87

Signature: *Jack W. Miller*

LEGEND

C = Compliance

V = Violation

I = Indeterminate

N = Not Applicable

CAC	SECTION	OBSERVATIONS	RESULT
DISPOSAL SITE INFORMATION			
17616	Report of Disposal Site Information.	<p>The following differences were observed between operations as described in the facility RDSI dated June, 1978 and those actually occurring at the site:</p> <ol style="list-style-type: none"> 1) The RDSI does not reflect the closure of the "Santa Clara" portion of the landfill nor the operation of a golf course on this area. 2) The RDSI does not reflect the opening of the "Coastal" portion of the landfill. 3) The RDSI states that the address and vehicle entrance to the site are at 2501 N. Ventura Road, Oxnard. They are now at 4105 W. Gonzales Road, Oxnard. 	V

Section Manager *DAS*

CAC	SECTION	OBSERVATIONS	RESULT
17616	Report of Disposal Site Information (Continued)	<p>4) The methane gas collection and gas to energy operation on the "Santa Clara" portion of the landfill is not described.</p> <p>5) The RDSI states that the nearest residence is 1/2 away from the site perimeter. There is a convent within 1000 feet of the Coastal portion of the site. The Raddison Hotel is now directly adjacent to the southwest perimeter of the "Santa Clara" portion of the fill.</p> <p>6) The RDSI states that site operating hours are 7:00 a.m. to 5:00 p.m. I observed unloading operations occurring at the site prior to 7:00 a.m.</p>	
DESIGN RESPONSIBILITY:			
17626	Design Responsibility	This standard only applies to new facilities.	N
17627	Ultimate Use.	This standard only applies to new facilities permitted after 1975. This site commenced operations in 1974.	N
17628	General Design Parameters.	This standard only applies to new facilities permitted after 1975. This site commenced operations in 1974.	N
17629	Public Health Design Parameters	<p>On February 12, 1986 the Flood Control Section of the Ventura County Public Works Department determined that the levee protecting the "Santa Clara" portion of the landfill along the Santa Clara River was inadequate to protect the landfill from a 100 year flood. The L.A. RWQCB is now investigating the adequacy of the levee. Site compliance with CAC Section 17629 will remain indeterminate pending the results of the L.A. RWQCB investigation.</p>	I

CAC	SECTION	OBSERVATIONS	RESULT
		DISPOSAL SITE RECORDS.	
17636	Weight/Volume Records.	Incoming loads of waste were weighed at the gatehouse and recorded. Mark Baily, Site Supervisor, stated that the site was receiving an average of 1,800 to 1,900 tons of waste per day.	C
17637	Subsurface Records.	I reviewed subsurface records and grading plans for the "Coastal" portion of the landfill at the site office. John Conaway, VRSD Solid Waste Manager, stated that no excavations were made at the "Santa Clara" portion of the site before waste was landfilled. The quarterly groundwater monitoring report of 5/2/86 indicated that the depth to groundwater varied between 34 and 39 feet.	C
17638	Special Occurrences.	I observed a log of special occurrences maintained on a daily basis by Mark Baily, Site Supervisor.	C
17639	Inspection of Records.	Records were made available for my review at the site office.	C
		DISPOSAL SITE PERSONNEL.	
17646	Availability.	No site operation was observed to be limited by a lack of personnel.	C
17647	Training.	Site personnel receive on-the-job training and are encouraged to complete a 12 week landfill management certification program. Equipment operators are regularly checked for knowledge of proper operating procedures.	C

CAC	SECTION	OBSERVATIONS	RESULT
17648	Supervision.	Site supervisors Mark Baily and David Jackson were on site during the inspection. I did not observe a problem related to a lack of site supervision.	C
17649	Site Attendant.	I observed that an attendant directed traffic and unloading activities at the working area.	C
DISPOSAL SITE IMPROVEMENTS.			
17656	I.D. Signs.	The public access point at 4105 W. Gonzales Road was identified with signs indicating the name of the site operator (Slides 1, 2,).	C
17657	Entry Signs.	Signs indicating hours of operation, a schedule of fees, and types of waste not accepted were posted at the main gate and at the gatehouse (Slides 2, 3, 4).	C
17658	Site Security.	The "Coastal" portion of the site was secured from unauthorized access by fencing and a deep perimeter drainage channel around 3/4 of the site. The fourth side bordered on the Santa Clara River. The site access road was controlled with a lockable gate. A golf course was in operation on the "Santa Clara" portion of the site.	C
17659	Access Roads.	The main access road used by the public was paved and in good repair. I did not observe waste or dirt tracked onto public streets. Dust was not a problem (Slide 1).	C
17660	Internal Roads.	The main internal road used by the public was graded and allowed good access to the unloading area (Slide 55).	C

Note: Internal utility roads adjacent to the site perimeter drain had been deeply grooved by heavy equipment being used to repair the drain (Slides 47, 48, 49, 50, 52, 53). These roads needed regrading.

CAC	SECTION	OBSERVATIONS	RESULT
		DISPOSAL SITE HEALTH AND SAFETY.	
17666	Sanitary Facilities.	I observed that sanitary facilities were available at the site office.	C
17667	Water Supply.	I observed that bottled drinking water was available at the site office.	C
17668	Communication Facilities.	Communication facilities were available at the site office. The phone number at the gatehouse was (805) 656-3671. The number at the site office was (805) 984-3313.	C
17669	Lighting.	The site had a large portable light stand for illuminating the unloading area during early morning operations.	C
17670	Personnel Health and Safety.	Specific items of safety equipment were not required by the Local Enforcement Agency.	C
		DISPOSAL SITE OPERATIONS.	
17676	Confined Unloading.	Unloading was confined to an area 300 feet wide near the toe of the working face. This area was divided into commercial and public unloading areas (Slides 19, 20, 22).	C
17677	Spreading and Compacting.	I observed that incoming waste was spread in layers that did not exceed 2 feet in depth prior to compaction by landfill equipment (Slides 10, 20, 21, 23).	C
17678	Slopes and Cuts.	The slope of the working face was 5 degrees as measured with a clinometer. This slope allowed landfill equipment to spread and compact waste so that voids were eliminated (Slides 10, 20, 21, 23).	C

CAC	SECTION	OBSERVATIONS	RESULT
17679	Final Site Face.	Faces on the "Santa Clara" portion of the landfill were final and supported the River Ridge Golf Course (Slides 63-98). No slope exceeded a horizontal to vertical ratio of 1 3/4 to 1 as measured with a clinometer. Although near completion, the "Coastal" portion of the site had not received a final exterior surface.	C
17680	Stockpiling.	Cover material was stockpiled near the main access road approximately 750 feet east of the working area (See attached site map) (Slide 57). This stockpile was situated so as not to interfere with other site operations.	C
17681	Availability of Cover.	A large pile of cover material was stockpiled on site (Slide 57). Availability of cover material was not observed to be a problem.	C
17682	Cover.	When I arrived at the working face at 7:30 a.m., I observed that waste deposited the previous day had not been completely covered with six inches of compacted cover material (Slides 6, 7, 9, 11, 12, 13, 14, 15, 16, 17, 18, 21).	V
17683	Performance Standards.	The site was not operating on performance standards.	N
17684	Intermediate Cover.	Daylighting of waste was observed on several areas of the "Coastal" portion of the landfill which Mark Baily, Site Supervisor, described as having 12 inches of compacted intermediate cover (See attached site map) (Slides 26, 27, 28, 29).	V
17685	Final Cover.	The "Coastal" portion of the site has yet to receive final cover. The "Santa Clara" portion has at least two feet of compacted final cover as indicated by the "Santa Clara Sanitary Landfill Closure Plan" (VRCSD; June, 1982).	C

CAC	SECTION	OBSERVATIONS	RESULT
17686	Scavenging.	Scavenging was not observed.	C
17687	Salvaging Permitted.	Salvaging is permitted but no salvaging operations were observed to be occurring at the site. Note: A recycling center was in operation on the adjacent Bailard Landfill (56-AA-011).	C
17688	Volume Reduction and Energy Recovery.	A methane gas recovery system and gas-to-energy generation plant was being operated by Pacific Lighting on the "Santa Clara" portion of the landfill (See attached site map) (Slides 40, 41).	C
17689	Processing Area.	The gas-to-electricity operation run by Pacific Lighting was confined to a specified, clearly identifiable area (See attached site map) (Slides 40, 41).	C
17690	Storage of Salvage.	I did not observe salvage being stored at the site.	N
17691	Removal.	I did not observe salvage being stored at the site.	N
17692	Non-Salvageable Items.	I did not observe the salvage of items considered non-salvagable by this CAC Section 17692.	C
DISPOSAL SITE CONTROLS			
17701	Nuisance Control.	I did not observe a condition that was causing a public nuisance.	C
17702	Animal Feeding.	I did not observe animals planned for human consumption feeding on waste.	C
17703	Fire Control.	I did not observe a fire hazard at the site. Fire extinguishers were maintained on operating equipment and the site maintained several large storage tanks of water for firefighting purposes.	C

17704 Leachate
Control.

Surface Water

I observed indications that a surface leachate problem may exist at the "Santa Clara" portion of the site. Almost every concrete drain observed in this area was stained orange by surface drainage water (Slides 66, 67, 68, 69, 75, 81). Runoff in the drainage ditch servicing the southwest corner of the golf course near the Raddison Hotel was discolored indicating possible contamination with leachate (Slides 89, 92, 93, 95, 96, 97). Carole Kawamoto of the Los Angeles Regional Water Quality Control Board (RWQCB) stated in a telephone conversation on 1/15/87 that she was going to require the operator to test surface runoff from the golf for leachate.

I

Groundwater

The site has 8 operational groundwater quality monitoring wells and reports monitoring results to the L.A. RWQCB on a quarterly basis. Carole Kawamoto of the L.A. RWQCB stated in a telephone conversation on 1/6/87 that a preliminary review of groundwater quality monitoring reports from December, 1985 to December, 1986 indicated a decline in groundwater quality under the "Santa Clara" portion of the site. Ms. Kawamoto stated that the problem was probably due to methane gas being in contact with groundwater.

The LEA has instructed the operator to test surface drainage at Santa Clara for possible contamination by leachate. The L.A. RWQCB is continuing its investigation whether methane gas at Santa Clara is having a detrimental effect on groundwater under the site. Site compliance with CAC Section 17704 will remain indeterminate pending the outcome of the these investigations.

17705 Gas Control.

V

The LEA has expressed concern that a gas monitoring and control problem exists at the site. On 4/23/85, 9/23/85, and 1/17/86 the LEA notified the operator that a comprehensive methane gas monitoring system was necessary around the perimeter of the "Coastal" portion of the landfill. On March 12, 1986, Mandeville and Associates tested for methane gas out to 75 feet beyond the east and south perimeters of "Coastal". These areas are zoned agricultural and are actively farmed. A convent is located within a 1,000 feet of the "Coastal" perimeter. Test results indicated methane gas concentrations of between 3% and 35 % in 5 of 21 bar holes tested. Apparently the farm fields adjacent to the west perimeter of "Coastal" were not tested. No methane gas monitoring or control system was in place around the "Coastal" portion of the site on the date of this inspection.*

In a phone conversation on 1/7/87 Neil Moyer of the Ventura County Air Pollution Control District (805-654-2665) stated that both the "Santa Clara" and "Coastal" portions of the landfill exceed District limits for emissions of methane gas to air.**

In a telephone conversation on 1/6/87, Carole Kawamoto of the Los Angeles RWQCB (805 654-2434) stated that groundwater quality monitoring results from December, 1985 to December, 1986 indicated that methane gas from the "Santa Clara" portion of the landfill may be having a detrimental effect on local groundwater. Ms. Kawamoto also indicated that a propensity by operators to overwater the golf course now covering the fill area may be contributing to methane gas production and therefore groundwater quality problems. Site Waste Discharge Requirements (L.A. RWQCB Order No. 82-53, 8/9/82) require the operator to monitor the amount of

Inspector: Jack W. Miller

17705 Gas Control
(Continued)

water applied to the golf course through a system of ground tensiometers and make necessary watering adjustments. Ms. Kawamoto stated that the system of tensiometers was in disrepair.***

In consideration of the above information, I conclude that there is a substantial methane gas monitoring and control problem ongoing at the site. Although numerous measures have been implemented or are plan to be implemented to mitigate this problem, the facility does not currently comply with CAC Section 17705 (Gas Control).

Notes:

- * John Conaway, VRSD Solid Waste Manager, stated that a gas monitoring systems was scheduled to be installed along the east, south, and west perimeters of the "Coastal" portion of the landfill in the near future. Results from the monitoring program would be used to determine what, if any gas migration control measures would be necessary. A gas recovery system and perimeter gas migration barrier were proposed for the "Coastal" portion of the site in a draft closure plan submitted to the Local Enforcement Agency on 1/9/86. However, the LEA returned the plan for being inadequate on 2/10/86.
- ** Mr. Moyer stated that problems at the "Santa Clara" portion of the landfill may be mitigated when Pacific Lighting hooks up a 3rd gas-to-electricity generator. However, Pacific Lighting has yet to receive approval for the 3rd generator. Plans to construct a gas collection system at the "Coastal" portion of the fill may mitigate ongoing methane gas control problems in this area.

CAC	SECTION	OBSERVATIONS	RESULT
17705	Gas Control (Continued) ***	A 7,400 foot long gas migration barrier 25 feet deep has recently been constructed along the south perimeter of the "Santa Clara" portion of the landfill (See attached site map). A program to monitor the effectiveness of the barrier had yet to be initiated. However, operators of the Raddison Hotel which is adjacent to the southeast corner of the "Santa Clara" portion of the fill, were initiating their own testing program. I observed a methane gas monitoring and warning system in the basement of the golf course club house (See attached site map). There was also a methane gas detection and warning system in the Pacific Lighting gas-to-electric generation building (See attached sit map).	
17706	Dust Control.	Dust is controlled with a water tanker. I did not observe a dust control problem.	C
17707	Vector and Bird Control.	No vectors were observed during the inspection. Large numbers of gulls were observed at the working area but were kept off the garbage by use of cracker shells (Slides 5, 8, 38).	C
17708	Drainage and Erosion Control.	Lateral runoff from the west face of the completed area at the "Coastal" portion of the site drained onto the active working face (See attached site map) (Slides 13, 14, 15, 18, 21). Considerable rill erosion was observed on the west face of the "Coastal" portion of the site (Slides 43, 44, 45, 46). Mark Baily, Site Supervisor, stated that this area has 12 inches of intermediate cover and will eventually receive final cover. A sprinkler system has been installed on this slope in hopes of mitigating erosion with grass until the final cover is applied.	V

Inspector: Jack W. Miller

CAC	SECTION	OBSERVATIONS	RESULT
17709	Contact with Water.	No waste was observed in contact with water. Note: See Section 17708 (Drainage and Erosion Control).	C
17710	Grading of Fill Surfaces.	Numerous areas of ponding were observed on both the "Santa Clara" and "Coastal" portions of the site (Slides 15, 30, 31, 34, 35, 36, 37, 38, 39, 63, 74, 83, 85, 86, 100). Ponding was also observed around the gas-to-electricity generating building (Slides 40, 41). Marshy areas were observed at the head of several drains on the golf course (Slides 76, 77, 81, 82, 84). Ponding was also observed in the drain at the southwest corner of the "Santa Clara" portion of the site (Slides 89, 92, 93, 94, 95, 96, 97). Work was ongoing to correct an obvious ponding problem in the perimeter drain around the "Coastal" portion of the site (Slides 47, 49, 50, 51).	V
17711	Litter Control.	Mark Baily, Site Supervisor, stated that contract labor picked up site litter 1-2 times a week. Although I observed some litter on site (Slides 54, 55, 56), it did not constitute a major problem.	C
17712	Noise Control.	I did not detect a noise control problem during the inspection. The Local Enforcement Agency had no record of recent noise complaints regarding the site.	C
17713	Odor Control.	I did not observe any noxious or unpleasant odors drifting off site.	C
17714	Traffic Control.	Site traffic patterns were not observed to jeopardize public safety. Vehicles were not seen stacking onto public streets.	C
17715	Ponded Liquid.	No liquids were observed to be ponded at the site.	C

CAC	SECTION	OBSERVATIONS	RESULT
		DISPOSAL SITE EQUIPMENT.	
17726	General.	The site employs, four bulldozers, two compactors, one grader, one water tanker, two scrapers and two front end loaders. Preventative maintenance and general repairs were conducted on site. I did not observe conditions that would indicate a failure to employ and maintain equipment of sufficient numbers, type, or capacity to meet the criteria outlined in Section 17726.	C
17727	Standby Equipment.	Standby equipment was available from the Ventura Regional Sanitation District equipment pool.	C
		DISPOSAL SITE MAINTENANCE.	
17731	General.	There were not three or more maintenance related violations.	C
17732	Operating Site Maintenance.	I did not observe any deteriorated or defective conditions that would indicate site facilities were not maintained on a regular basis. The perimeter drainage system at the "Coastal" portion of the site was in the process of being up graded (Slides 47, 48).	C
17733	Inspection on Completion.	This section only applies to closed sites. Note: The "Santa Clara" portion of the site has yet to be officially closed.	N
17734	Completed Site Maintenance.	This Section only applies to closed sites. Note: The "Santa Clara" portion of the landfill has yet to be officially closed.	N

Inspector: Jack W Miller

CAC	SECTION	OBSERVATIONS	RESULT
17735	Recording.	The operation of this site predates the implementation of this standard.	N
DISPOSAL SITE SPECIAL WASTES.			
17741	Burning Wastes.	Space is maintained at the unloading area to separate, spread, and extinguish any incoming wastes that are burning or smoldering. No such wastes were observed during the inspection.	C
17742	Hazardous Wastes.	The site is not permitted to accept hazardous wastes. Signs telling users that hazardous wastes were not accepted were posted at the gatehouse (Slides 2, 3,). I did not observe any hazardous wastes being deposited at the site.	C
17743	Liquid Wastes.	Pacific Lighting was currently permitted to dispose liquid condensate from their methane gas collection operation in the landfill. Note: On 1/22/87, the L.A. Regional Water Quality Control Board considered issuing Pacific Lighting an order to cease and desist the disposal of gas collection condensates at the landfill. A decision on this matter was postponed until the Board's April, 1987 meeting.	C
17744	Dead Animals.	The site is prohibited from accepting large dead animals. None were observed being disposed during the inspection.	C
DISPOSAL SITE REPORTS AND REVIEWS.			
17751	Periodic Site Review.	The site's current Solid Waste Facility Permit was issued on 8/11/78. On July 22, 1982, a closure plan was submitted to the LEA for the "Santa Clara" portion of the site. On January 9, 1986, a draft closure plan for the	C

CAC	SECTION	OBSERVATIONS	RESULT
17751	Periodic Site Review (Cont.)	"Coastal" portion of the site was submitted to the LEA.	

NOTES

I had on-site conversations with John Conaway, VRSD Solid Waste Manager, Mark Baily, Site Supervisor, and Richard Sweet, Ventura County Sanitarian (LEA). Carole Kawamoto of the L.A. Regional Water Quality Control Board accompanied me on most of my inspection.

Inspector: Jack W. Miller

**NOTICE OF INSPECTION
DISPOSAL SITE**

LOCAL ENFORCEMENT
AGENCY: _____

FACILITY FILE NUMBER COUNTY: <u>56</u>	PROGRAM CODE <u>509</u>	INSPECTION DATE MM DD YY <u>(1987) 1/8/87</u>	T-OUT T-IN	TOTAL TIME (DECIMAL HOURS) (1031) <u>3.1</u>
FACILITY NAME <u>SANTA CLARA / COASTAL LANDFILL</u>			RECEIVED BY:	
FACILITY LOCATION <u>4105 W GONZALES Rd. OXNARD, CA</u>			Operator _____ Owner _____	
INSPECTOR <u>J. MILLER</u>			AND PRESENT	

Comments:

See attached freely inspection Report.

<p>[3011] RECORDS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ACCURATE WEIGHT/VOLUME RECORDS MAINTAINED 17636</p> <p><input type="checkbox"/> ADEQUATE SUBSURFACE RECORDS MAINTAINED 17637</p> <p><input type="checkbox"/> LOG OF SPECIAL OCCURRENCES MAINTAINED 17638</p> <p><input type="checkbox"/> RECORDS AVAILABLE FOR INSPECTION 17639</p> <p>[3021] PERSONNEL <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ADEQUATE NUMBER OF QUALIFIED PERSONNEL AVAILABLE 17646</p> <p><input type="checkbox"/> PERSONNEL ADEQUATELY TRAINED 17647</p> <p><input type="checkbox"/> ADEQUATE SUPERVISION PROVIDED 17648</p> <p><input type="checkbox"/> SITE ATTENDANT AVAILABLE FULL-TIME OR AS DETERMINED BY LEA 17649</p> <p>[3031] SIGNS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> IDENTIFICATION SIGNS AT EACH POINT OF ACCESS 17656</p> <p><input type="checkbox"/> ENTRY SIGN STATES FEES, HOURS OF OPERATION, WASTES ACCEPTED/NOT ACCEPTED 17657</p> <p><input type="checkbox"/> NON-HAZARDOUS UNATTENDED SITES HAVE SIGN WARNING USERS OF UNAVAILABILITY OF COMMUNICATION FACILITIES 17658</p> <p>[3041] SECURITY <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ADEQUATE PERIMETER SECURITY, HAZARDOUS AREAS FENCED AND IDENTIFIED 17661</p> <p>[3051] ROADS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ACCESS ROADS HAVE SMOOTH SURFACE, MINIMIZE DUST AND TRACKING OF MUD, AND ALLOW ALL-WEATHER ACCESS 17669</p> <p><input type="checkbox"/> INTERNAL ROADS IN SAFE CONDITION, PROVIDE ACCESS DURING INCLEMENT WEATHER, AND ARE PROVIDED WITH DIRECTIONS 17670</p> <p>[3071] SANITATION <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ADEQUATE SANITARY FACILITIES AVAILABLE 17686</p> <p><input type="checkbox"/> SAFE ADEQUATE DRINKING WATER AVAILABLE 17687</p> <p>[3081] COMMUNICATIONS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> COMMUNICATION FACILITIES AVAILABLE WHERE HAZARDOUS WASTES ARE ACCEPTED 17688</p> <p>[3091] LIGHTING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> LIGHTING ADEQUATE 17691</p> <p>[3101] SAFETY <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> SAFETY EQUIPMENT IN USE AND BEING WORN 17692</p>	<p>[3111] CONFINED UNLOADING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> UNLOADING ADEQUATELY CONFINED 17674</p> <p>[3141] SPREADING/COMPACTING <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> SPREADING AND COMPACTION IN TWO-FOOT LAYERS 17677</p> <p>[3151] SLOPES/CUTS/GRADING <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> WORKING FACE SLOPES ALLOW EFFECTIVE COMPACTION. DEPTH OF CUTS AND SLOPES OF TRENCH SIDES AS APPROVED BY LEA 17679</p> <p><input type="checkbox"/> FINAL SLOPES HAVE NEAT APPEARANCE AND ARE 1-3/4 : 1 OR FLATTER 17679</p> <p><input checked="" type="checkbox"/> GRADING OF FILL SURFACES ADEQUATE 17719</p> <p>[3161] COVER <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> STOCKPILING OF COVER DOES NOT INTERFERE WITH OPERATIONS 17680</p> <p><input type="checkbox"/> SUITABLE QUALITY AND SUPPLY OF COVER MATERIAL AVAILABLE 17681</p> <p><input checked="" type="checkbox"/> COVER PROVIDED AT REQUIRED DEPTH AND FREQUENCY 17682</p> <p><input checked="" type="checkbox"/> INTERMEDIATE COVER PROVIDED AT REQUIRED DEPTH AND FREQUENCY 17684</p> <p><input type="checkbox"/> FINAL COVER PROVIDED AS REQUIRED 17685</p> <p>[3171] SALVAGING/PROCESSING <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> SCAVENGING PROHIBITED 17686</p> <p><input type="checkbox"/> SALVAGING DOES NOT INTERFERE WITH OPERATIONS 17687</p> <p><input type="checkbox"/> VOLUME REDUCTION AND ENERGY RECOVERY DO NOT INTERFERE WITH OPERATIONS OR CREATE HEALTH, SAFETY OR ENVIRONMENTAL PROBLEMS 17688</p> <p><input type="checkbox"/> SALVAGING AND VOLUME REDUCTION CONFINED TO CLEARLY IDENTIFIED AREAS 17689</p> <p><input type="checkbox"/> SALVAGE STORAGE LOCATION OK, VOLUME AS APPROVED BY LEA, MINIMIZES FIRE, NUISANCE 17689</p> <p><input type="checkbox"/> SALVAGE STORAGE TIME DOES NOT RESULT IN HEALTH OR FIRE PROBLEMS 17691</p> <p><input type="checkbox"/> SALVAGED MATERIALS APPROVED BY LEA AND LOCAL HEALTH 17691</p> <p>[3181] NUISANCE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> OPERATIONS DO NOT CREATE A PUBLIC NUISANCE 17701</p> <p><input type="checkbox"/> FEEDING OF REFUSE TO ANIMALS FOR HUMAN CONSUMPTION PROHIBITED 17702</p>	<p>[3191] FIRE CONTROL ADEQUATE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> FIRE CONTROL ADEQUATE 17703</p> <p>[3192] FIRE (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> BURNING MATERIALS SPREAD AND EXTINGUISHED. VEA, SWIS NOTIFIED IMMEDIATELY OF FIRE NOT EXTINGUISHED IN 24 HOURS 17693</p> <p>[3201] LEACHATE <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> ADEQUATE STEPS TAKEN TO MONITOR, COLLECT, TREAT, AND DISPOSE OF LEACHATES 17704</p> <p><input type="checkbox"/> NO WASTES IN DIRECT CONTACT WITH WATER EXCEPT AS APPROVED BY RWQCB 17705</p> <p>[3202] LEACHATE (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> REFUSE COVERED WITH NEXT DAY'S REFUSE OR WITH SIX INCHES OF COMPACTED SOIL. TOTAL AREA OF EXPOSED REFUSE IS AS SPECIFIED FOR WET AND DRY SEASONS 17692</p> <p>[3211] GAS <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> GAS MONITORING AND CONTROL AS REQUIRED 17709</p> <p>[3221] DUST <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> DUST CONTROL ADEQUATE 17708</p> <p>[3231] VECTORS/BIRDS <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> VECTOR AND BIRD CONTROL ADEQUATE 17707</p> <p><input type="checkbox"/> LIQUID PONDOS MINIMIZE VECTOR PROPAGATION 17715</p> <p>[3232] VECTORS (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> THRESHOLD VALUES FOR VECTOR POPULATIONS NOT EXCEEDED 17692</p> <p>[3241] DRAINAGE/EROSION <input checked="" type="checkbox"/> V <input type="checkbox"/> C</p> <p><input checked="" type="checkbox"/> DRAINAGE AND EROSION CONTROL ADEQUATE 17709</p> <p>[3251] LITTER <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> LITTER CONTROL ADEQUATE 17711</p> <p>[3252] LITTER (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> LITTER NOT ALLOWED TO MIGRATE OFF-SITE 17693</p> <p>[3261] NOISE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> NOISE CONTROL ADEQUATE 17712</p> <p>[3271] ODOR <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> ODOR CONTROL ADEQUATE 17713</p> <p>[3272] ODOR (P) <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> AMBIENT AIR AT OR BEYOND FACILITY BOUNDARY IS NOT ODOROUS 17693</p>	<p>[3281] TRAFFIC <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> TRAFFIC CONTROL ADEQUATE WITHIN-SITE. TRAFFIC MINIMIZES INTERFERENCE, SAFETY PROBLEMS, AND STACKING ON PUBLIC ROADS 17714</p> <p>[3291] EQUIPMENT <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> EQUIPMENT ADEQUATE IN TYPE, CAPACITY, AND NUMBER, AND IS ADEQUATELY MAINTAINED 17746</p> <p><input type="checkbox"/> STANDBY EQUIPMENT AVAILABLE TO COMPLY WITH SEC. 17692 AND OTHER SECTIONS 17737</p> <p>[3301] MAINTENANCE <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> EFFECTIVE MAINTENANCE PROCEDURES AND PROGRAMS DEVELOPED AND UTILIZED 17731</p> <p><input type="checkbox"/> ADEQUATE MONITORING AND REPAIR OF DETERIORATED CONDITIONS 17732</p> <p>[3311] CLOSURE <input type="checkbox"/> V <input type="checkbox"/> C</p> <p><input type="checkbox"/> AFTER CLOSURE, IF LEACHATE, EXTENSIVE SURFACE CRACKING OR SETTLEMENT OCCURS, THE OWNER SHALL NOTIFY LEA AND SHALL MONITOR AND REPAIR SITE FOR A PERIOD OF YEARS OR LONGER 17734</p> <p><input type="checkbox"/> UPON SITE CLOSURE, DETAILED DESCRIPTION MUST BE FILED WITH THE LEA AND WITH THE COUNTY RECORDER 17735</p> <p>[3321] SPECIAL WASTES <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> BURNING WASTES IMMEDIATELY SPREAD AND EXTINGUISHED IN SAFE AREA 17745</p> <p><input type="checkbox"/> SITE ACCEPTS ONLY APPROVED HAZARDOUS WASTES AND TAKES PRECAUTIONS TO ELIMINATE OR CONTROL HARMFUL DUSTS, FUMES, MISTS, VAPORS, OR GASES 17742</p> <p><input type="checkbox"/> LIQUID WASTES APPROVED BY RWQCB, LOCAL HEALTH ENTITY AND LEA 17743</p> <p><input type="checkbox"/> DEAD ANIMALS ALLOWED BY LOCAL REGULATIONS 17744</p> <p>[3331] OTHER <input type="checkbox"/> V <input checked="" type="checkbox"/> C</p> <p><input type="checkbox"/> <u>17666 RDSI</u></p> <p><u>N/A = NOT APPLIC</u> <u>IND. = INDETERMINATE</u></p>
---	---	---	--

CALIFORNIA WASTE MANAGEMENT BOARD1020 NINTH STREET, SUITE 300
SACRAMENTO, CA 95814

APR - 3 1987

CERTIFIED MAIL

Mr. John Conaway, Solid Waste Manager
Ventura Regional Sanitation District
1001 Partridge Drive, Suite 150
Ventura, CA 93003

Subject: Formal 90-day notice to correct deficiencies at Santa Clara/Coastal Landfill 56-AA-0004

Dear Mr. Conaway:

At the meeting on March 26-27, 1987, the California Waste Management Board (Board) directed me to notify you of its intent to add Santa Clara/Coastal Landfill to the State List of Non-Complying Facilities unless the specified actions outlined below are taken within 90 days of the date of this letter. This directive was the result of an evaluation made following site inspections performed by staff under the Presley program. The inspections reported ongoing and/or repeated violations of Title 14 of the California Administrative Code.

SPECIFIED ACTIONS:**17616 - Report of Disposal Site Information: Permits**

In concurrence with the Local Enforcement Agency (LEA) and Board staff, establish a time schedule for completing closure plans and submitting finalized permit applications to reflect closure of both the Santa Clara and Coastal portions of the site.

17682 - Cover

Submit a workplan for complying with daily cover requirements. This plan should identify the extent and cause of the cover problem. The plan should also describe measures necessary to correct cover deficiencies including a time schedule, participants, and methods that will be used to implement the corrective actions.

17705 - Gas Control

1. Complete installation of the gas monitoring probes between the gas migration barrier and the Radisson Hotel and include these probes in the existing monitoring program. The monitoring system design, installation, and the monitoring program must be acceptable to the LEA and Board staff.
2. Initiate a monitoring program around the east, south, and west perimeters of the Coastal portion of the site. We understand that the monitoring system has been installed since the last inspection by Board staff. However, design and installation of the system must be reviewed to confirm its adequacy.
3. Maintain and monitor the ground tensiometers installed at the River Ridge Golf Course to control and monitor irrigation. Records of tensiometer monitoring data and amounts of water applied to the golf course shall be submitted to the LEA and Board staff on a monthly basis.
4. Continue to cooperate with the L.A. Regional Water Quality Control Board (RWQCB) and Ventura County Air Pollution Control District and take all steps as directed to solve problems attributed to landfill gas.

17704 - Leachate Control

1. Submit to Board staff the results of the tests conducted on surface drainage at the River Ridge Golf Course as directed on February 17, 1987, by the L.A. RWQCB.
2. Continue to cooperate with the L.A. RWQCB and take all steps as directed to mitigate identified surface or groundwater contamination problems.

17710 - Grading of Fill Surfaces

1. Grade and maintain all Coastal fill surfaces with slopes that will promote the lateral runoff of precipitation.
2. Construct temporary drainage structures as necessary to divert runoff from draining into the working area at Coastal.
3. Submit a workplan designed to correct subsidence and ponding problems at the golf course. The workplan should identify the cause and extent of grading deficiencies. It should also describe necessary corrective measures, methods for their implementation, a time schedule, and participants involved in completing the work.

17629 - Public Health Design Parameters

1. Implement all measures prescribed by the L.A. RWQCB and the LEA to correct any inadequacies identified with the levee along the northern perimeter of the Santa Clara portion of the site. If the L.A. RWQCB has determined that the levee is adequate, documentation verifying this fact shall be forwarded to Board staff. If the L.A. RWQCB determines corrective measures are necessary, all work must be completed in a time schedule approved by that Board.

In addition, the Board has directed your agency to report monthly on the progress being made towards achieving the corrective actions specified above.

The Board also directed staff to meet with the facility operators and LEA to insure that lack of interagency communications does not hinder the implementation of the above specified actions. In keeping with this directive, a meeting has been tentatively scheduled for Wednesday, April 8, 1987, at the River Ridge Golf Course Club House.

Failure to complete any of the above specified actions within 90 days of this notice will result in the Board placing your site on the State List of Non-Complying Facilities. It is noted that some actions may require more than 90 days to complete. In those instances, failure to meet an agreed upon compliance schedule will result in listing.

I believe this letter considers the actions you have already taken at the site as outlined in the March 26, 1987, letter to Mr. Sherman Roodzant from Mr. Wayne Bruce. If you have any questions regarding this action, please contact me at (916) 322-3330 or Robert Burrell of our Southern California Office at (714) 558-6412.

Sincerely,

Original signed by:
George T. Eowan

George T. Eowan
Chief Executive Officer

cc: Don Koepp
Ventura County Environmental Health

Timothy P. Nauson, P.E.
City of Oxnard Public Works Dept.

CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300
SACRAMENTO, CA 95814

AUG 03 1987

John Conaway
Solid Waste Manager
Ventura Regional Sanitation District
1001 Partridge Drive, Suite 150
Ventura, CA 93003

Subject: Report of facility inspection: Santa Clara/Coastal
Landfill 56-AA-04

Dear Mr. Conaway:

On March 27, 1987, the Board directed the Chief Executive Officer to notify you of its intent to add the Santa Clara/Coastal Landfill to the State List of Non-Complying Facilities unless specified actions were taken within 90 days of notice. The Notice was sent by certified mail on April 3, 1987. It outlined specified actions required to correct ongoing and/or repeated violations of the following State Minimum Standards:

17616 - Report of Disposal Site Information

17629 - Public Health Design Parameters

17682 - Cover

17704 - Leachate Control

17705 - Gas Control

17710 - Grading of Fill Surfaces

On July 16, 1987, 104 days after the issuance of the Notice, the landfill received a follow up inspection. A summary of this fourth site inspection by Board staff is enclosed. Violations of the following State Minimum Standards were documented:

17681 - Availability of Cover Material

17705 - Gas Control

17708 - Drainage and Erosion Control

17710 - Grading of Fill Surfaces

Santa Clara/Coastal
Page 2

The Coastal section of the landfill, which is owned and operated by the Ventura Regional Sanitation District, was found to have complied with the specified actions required for Coastal section in the Board Notice. The Coastal section was also found to be in compliance with all other applicable State Minimum Standards except Availability of Cover Material (CAC Section 17681).

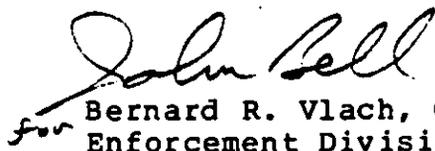
The City of Oxnard, owner of the Santa Clara section of the landfill, had not corrected the violation of Grading of Fill Surfaces (CAC Section 17710) noted at the Santa Clara section on a previous staff inspection. The city had also failed to submit an acceptable workplan to correct this violation as specified in the Board Notice of April 3, 1987. The Santa Clara section was also found in violation of Gas Control (CAC Section 17705) and Drainage and Erosion Control (CAC Section 17708).

The two sections of the landfill are owned by separate entities which are in the process of obtaining separate Solid Waste Facilities Permits for their respective sections. Staff will therefore recommend that the Board now consider each section as a separate entity when it reviews site compliance at its next meeting on August 13 and 14, 1987. Staff will also recommend that the Board take action against the City of Oxnard as owners of Santa Clara section and place the Santa Clara section on the State List of Non-Complying Facilities. Staff will recommend that no action be taken against the Ventura Regional Sanitation District as owners of the Coastal section.

You are invited to address the Board with any information you feel the Board should consider when it addresses the above issues at its next meeting scheduled for August 13 and 14, 1987.

If you have any questions regarding this action, please contact me at (916) 322-2659 or Robert Burrell of our Southern California Office at (714) 567-6075.

Sincerely,


for Bernard R. Vlach, Chief
Enforcement Division

attachment

cc: Don Koepp, Ventura County Environmental Health
Nao Takasugi, City of Oxnard
Tim Nanson, City of Oxnard Public Works
L.A. Regional Water Quality Control Board
Robert Burrell, CWMB Southern California Office

CALIFORNIA WASTE MANAGEMENT BOARD

FACILITY INSPECTION SUMMARY

Inspection # 4

July 27, 1987

Page 1 of 9

Facility: Santa Clara/Coastal

SWIS #: 56-AA-04

Location: 4105 Gonzales Rd., Oxnard, CA (Ventura Co.)

Operator: Ventura Regional Sanitation District

Local Enforcement Agency: Ventura Co. Environmental Health Dept.

Inspection Date: July 16, 1987

Inspected By: Jack W. Miller

Accompanied By: Richard Sweet, Gary Haden, Kelly White, John Conaway

Weather: Overcast and calm with drizzle in pha early A.M.

I conducted the fourth inspection of the Santa Clara/Coastal landfill on July 16, 1987. This inspection was conducted for the specific purpose of verifying compliance with a 90-day notice to correct deficiencies issued to the site operator by the California Waste Management Board on April 3, 1987. Nevertheless, the site was evaluated for compliance with all applicable State Minimum Standards.

I checked in with Site Foreman Mark Baily at 7:00 a.m. and proceeded to the working face at the Coastal section to check daily cover operations from the previous evening. I then returned to the site office where I met with Gary Haden and Kelly White of the Sanitation District. After waiting an hour for a representative of the Local Enforcement Agency to arrive, we proceeded on the inspection of the Coastal section. John Conaway of the Sanitation District met us out on the site during the inspection as did Richard Sweet of the Local Enforcement Agency. We broke for lunch at 12:30 p.m. and continued with the inspection at the Santa Clara section of the site at 1:30 p.m. At 4:00 p.m., I met with Richard Hauge and Richard Sweet at Mr.

Section Manager

RKS

Inspector

Jack W. Miller

Hauge's office in Ventura where we discussed the results of the inspection. At 5:00 p.m. I returned to the Coastal section of the site where I discussed the results of the inspection with Gary Haden and John Conaway of the Sanitation District and observed the evening cover operations. I left the site at 6:00 p.m.

Violations of State Minimum Standards documented during the inspection are outlined below. The site was found in compliance with all other standards. In addition, areas of concern are noted as well as corrective measures implemented since the previous inspection. Photo documentation is available from the Board upon written request.

VIOLATIONS

The following violations of California Administrative Code (CAC) Sections were documented during the inspection. The site found in compliance with all other applicable standards.

17681 - Availability of Cover Material

This standard stipulates that cover material must be of a suitable quality to meet the requirements of State Minimum Standards. At 7:00 a.m. on the day of the inspection I observed that waste from the previous day had been adequately covered but that the cover material (Chemfix) had not been sufficiently worked in and compacted due to a high moisture content. This problem was particularly noticeable along the east side of the previous day's working face (Slides 1 through 23). That evening when I observed cover operations, equipment operators were still having trouble working and compacting the Chemfix applied the previous day.

17705 - Gas Control

Installation of gas monitoring probes between the gas migration barrier and the Radisson Hotel has been completed and these probes have been included in the existing monitoring program. Monitoring of the new probes began in May. Monitoring probe SC-24A located outside the migration barrier on the site perimeter near the southeast corner of the golf course did not indicate gas in May. However, probe SC-24A indicated 6% methane by volume of air at a depth of 20 feet during June, 1987. This

Inspector-

Jack W. Miller

exceeds the lower explosive limit of 5% methane by volume of air at the property boundary of the site. This probe is also within 1000 feet of the Radisson Hotel complex and within 400 feet of an on-site maintenance shed located along the east perimeter of the site. The site is therefore in violation of the Gas Control standard.

In addition, monitoring probe SC-18 also located outside the gas migration barrier between the landfill and the Radisson Hotel complex indicated 0.25% methane by volume of air at a depth of 4 feet and 0.60% at a depth of 20 feet in May and 0.15% at 4 feet and 0.50% at 20 feet in June 1987. This probe is within 100 feet of the hotel. The recent monitoring results from probes SC-24A and SC-18 indicate that the barrier is either ineffective in these locations or that waste is landfilled outside the barrier. Board Engineering staff also expressed concern by memo to Board Enforcement staff on April 27, 1987 that the current number of gas monitoring probes between the gas migration barrier and the Radisson Hotel complex is inadequate.

17708 - Drainage and Erosion Control

Cracks and leaks were observed in several down drains servicing the golf course on the Santa Clara section of the fill (Slides 52, 53, 54). Water was observed to be backed up in the perimeter drain servicing the south east corner of the golf course (Slides 55, 56, 57). Surface drainage was blocked by golf cart paths at several locations on the golf course (Slides 60, 61).

17710 - Grading of Fill Surfaces

Numerous depressions were noted on the golf course at the Santa Clara section of the site where the course is underlain by landfilled waste (Slides 58, 59, and 62 through 68). Irrigation water was ponded in several of these depressions.

AREAS OF CONCERN

The following potential problems and/or areas of concern were noted during the inspection:

Inspector

Jack W. Miller

17682 - Cover

The Local Enforcement Agency is concerned that waste exposed during construction of the gas migration barrier along a 150 yard stretch near the southwest corner of the Santa Clara section has not been properly re-covered. At the LEA's request, the operator has agreed to dig several shallow trenches in this area to determine the extent of the cover problem if any. This exploratory trench work has yet to be initiated.

17684 - Intermediate Cover; 17685 - Final Cover

A violation of the Intermediate Cover standard was documented at the Coastal section of the landfill during the third Presley inspection on January 8, 1987. The majority of the Coastal section had been regraded in the interim. During the current inspection, small amounts of trash were seen protruding and/or mixed with intermediate cover material at the Coastal section. This exposed trash suggests that intermediate cover may be less than the 12 inches required by CAC Section 17684. On the other hand, the operator conducted 9 borings in intermediate cover at the Coastal section on April 7, 1987. The results of these borings indicated that cover was over 12 inches in depth in 5 of the 9 areas tested, 11 inches in depth at 2 locations, and 8 inches and 4 inches at the two remaining locations. John Conaway, VRSD Solid Waste Manager, stated during the inspection that the areas showing insufficient intermediate cover had been corrected.

CAC Section 17684 (Final Cover) requires an operator to place 2 feet of compacted cover within 15 months of placing the final lift on an area. It has been well over 15 months since the final lift was placed on the west, south, and east sides of the Coastal section. The operator currently intends to apply another lift to the top of the Coastal section. A proposal is also being developed to extend the east side of Coastal and tie it in with the Santa Clara section of the landfill. Regardless of these future plans, there is no reason why final cover should not have been applied to the west and south slopes of the Coastal section and those parts of the east slopes that will not be affected by plans to expand the landfill in that direction. Placement of final cover on these sections as required by State Minimum Standards should resolve any concerns regarding insufficient intermediate cover and would begin necessary closure requirements for the site.

Inspector

Jack W. Miller

17708 - Drainage and Erosion Control; 17707 - Vector and Bird Control

Irrigation water in both the east perimeter drain at the Coastal section and in the main drain through the middle of the Santa Clara section was moving quite slowly. In several areas in each drain, water was backed up to form small ponds. Although no mosquito larvae were observed in these drainages during the inspection, the operator should make every effort to keep these drainages clear and water moving (Slides 24 through 32 and 49, 50, 51).

Note:

Plans for subdivision development along the southeast perimeter of the Coastal section will require an upgrading of the Coastal perimeter drainage system. Likewise, a proposal by the VRSD to landfill the area between the Coastal and the Santa Clara sections will also necessitate a redesign of the Coastal perimeter drainage system. In either case, a redesign of this system will likely alleviate the above mentioned concerns at the Coastal section.

CORRECTIONS IMPLEMENTED

The following measures were implemented to correct violation(s) documented during the third inspection:

17616 - Report of Disposal Site Information; Permits

In concurrence with the Local Enforcement Agency and Board staff, the operator has established a time schedule for completing closure plans and submitting finalized permit applications to reflect closure of both the Santa Clara and Coastal portions of the site. On July 6, 1987, the LEA forwarded to Board staff drafts of the following documents submitted to the LEA by the operator:

1. Santa Clara Landfill Report of Disposal Site Information dated June, 1987.
2. Coastal Landfill Closure Plan - dated June, 1987 (marked "Draft" by LEA).

Inspector

Jack W. Miller

The LEA also stated that it had agreed to a request by the operator to assume the status of Lead Agency for the CEQA process involved in splitting the site into two separately permitted facilities. The Ventura Regional Sanitation District and City of Oxnard have also submitted Applications for Facility Permits/Waste Discharge (Form 200) to the LEA for each section of the site.

17629 - Public Health Design Parameters

Concern had been expressed by the Local Enforcement Agency that the levee along the north perimeter of the Santa Clara section of the landfill was inadequate to protect the landfill from a flood with a 100-year return frequency. On March 26, 1987, the Ventura County Flood Control District, owner and operator of the levee, certified that the levee was adequate to protect the landfill from inundation and washout from a 100-year return period flood.

Note:

On February 20, 1986, the Ventura County Flood Control District stated in a memorandum to the Local Enforcement Agency that "we cannot state that our levee adjacent to the Santa Clara Landfill is adequate to protect from a 100-year flood." "We anticipate future damage". No improvements were made to the levee between the Flood District's negative declaration of February 20, 1986, and its certification of the levee on March 26, 1987. When queried about this discrepancy, the Flood District claimed that a Junior Engineer had erred in making the original assessment by not considering up stream improvements made in 1984 which added a degree of protection to the toe of the levee. When this additional information was included in the levee assessment, the levee was found to be adequate.

17658 - Site Security

Site security was not identified as a problem at the site during the Presley evaluation inspections. However, the Coastal section of the site had been fenced in response to comments made by Robert Burrell of the Board's Southern California Office regarding the need for better site security.

Inspector

Jack W. Miller

17682 - Cover

On April 20, 1987, the operator submitted a workplan to the Board as part of their Status Report #1 for meeting daily cover requirements. The plan identified the extent and cause of cover problems and described the measures necessary to correct cover deficiencies.

17704 - Leachate Control

The site groundwater monitoring system is currently in compliance with Subchapter 15 and Calderon requirements. The L.A. Regional Water Quality Control Board is still concerned about possible low level groundwater and/or surface water contamination. They are also concerned that the City of Oxnard is still over watering the golf course on the Santa Clara section of the fill. However, the RWQCB has not cited the operator in violation nor is it pursuing enforcement action at this time.

17705 - Gas Control

A gas monitoring program has been instituted along the east, south, and west perimeters of the Coastal section. Initial monitoring results of March 31, 1987 indicated methane gas at levels of between 0% and 61% gas by volume of air with 19 of the 34 probes showing over 50% methane by volume of air. While methane gas exceeds the lower explosive limit of 5% at the property boundary, there are no off-site structures within 1000 feet of the Coastal section perimeter. However, there is concern that off-site gas migration may have a negative effect on the continued viability of adjacent agricultural land. In a letter dated April 27, 1987, the LEA requested that the operator submit a plan to control migrating gas at the perimeter within 30 days. On June 30, 1987, the VRSD submitted a "Gas Migration Control Conceptual Plan" for the Coastal section as part of its Coastal Landfill Closure Plan. The Coastal section of the site is currently considered to be in compliance with the Gas Control standard. However, failure to control off-site gas migration on a schedule as determined by the LEA will result in non-compliance.

A letter from the VRSD to the L.A. RWQCB dated May 7, 1987 states that all irrometers regulating the irrigation system at the golf course had been serviced and were now functional. This letter

Inspector

Jack W. Miller

also outlined a maintenance program for the irrometers and stated that data regardilg\$the consumption of water to irrigate the golf course would be collected and reported to the RWQCB and the LEA.

17710 - Grading of Fill Surfaces

Fill surfaces at the Coastal section of the site had been graded to promote the lateral runoff of precipitation (Slides 33 through 46). Grades at the working and unloading areas of the Cmaptal section of the site had been re-worked so that precipitation would flow away from instead of into these areas (Slides 12, 19, 22, 40).

CONCLUSIONS

All deficiencies noted by the California Waste Management Board in its 90-day deficiency notice of April 3, 1987 had been corrected at the Coastal section of the site. However, as part of the 90-day notice, the operator was to "submit a work plan designed to correct subsidence and ponding problems at the golf course" on the Santa Clara section. The workplan was to

"identify the cause and extent of grading deficiencies" and "describe necessary corrective measures, methods for their implementation, a time schedule, and participants involved in completing the work". The operator submitted a proposed correction schedule to the LEA on May 18, 1987. However, on June 4, 1987, the LEA determined that the proposal was incomplete in relation to the criteria outlined by the Board in its order of April 3, 1987. As of July 16, 1987, no updated workplan had been submitted to the LEA. The operator has therefore failed to meet the terms of the Board's 90-day deficiency notice regarding Grading of Fill Surfaces (CAC Section 17710).

Recent results from landfill gas monitoring probes along the south perimeter of the Santa Clara section in the vicinity of the Radisson Hotel complex also indicate that the site continues to be in violation of Gas Control (CAC Section 17705).

Note:

The Ventura Regional Sanitation District is currently the operator of record for both the Santa Clara and Coastal sections of the site under a single Solid Waste Facilities Permit.

Inspector

Jack W. Miller

However, the City of Oxnard owns the closed Santa Clara section of the landfill where it operates the River Ridge Golf Course. The VRSD owns and operates the active Coastal section of the landfill. The City of Oxnard and VRSD are currently engaged in a Board ordered permit revision which will result in separate permits for the Santa Clara and Coastal sections of the landfill. The City of Oxnard will then be owner and operator of the Santa Clara section. The VRSD will continue as owner and operator of the Coastal section.

This inspection verified that the VRSD corrected those problems identified at the Coastal section in the Board's 90-day deficiency notice of April 3, 1987. As indicated above, however, the City of Oxnard has failed to correct several deficiencies listed in the Board's 90-day notice at the Santa Clara section of the site.

Jackie W. Miller
Waste Management Specialist

CALIFORNIA WASTE MANAGEMENT BOARD

RESOLUTION NO. 87-11

Inclusion of the Santa Clara Section of the Santa Clara/Coastal Landfill (56-AA-0004) on the State List of Non-Complying Solid Waste Facilities.

WHEREAS, Government Code Title 7.3, Chapter 3, Section 66796.38(a) mandates that the California Waste Management Board (Board) maintain an inventory of solid waste facilities (State List of Non-Complying Solid Waste Facilities) which violate State Minimum Standards; and

WHEREAS, Section 66796.38(a) also mandates that whenever a solid waste facility is proposed to be included in the inventory, the Board shall give notice thereof by certified mail to the affected enforcement agency, the disposal site owner, and the operator of the solid waste facility; and

WHEREAS, Section 66796.38(a) also mandates that if, within 90 days of that notice, the violation(s) has not been corrected, the solid waste facility shall be included in the inventory; and

WHEREAS, Section 66796.39 mandates that the enforcement agency shall develop a compliance schedule for a solid waste facility included in the inventory prepared pursuant to Section 66796.38; and

WHEREAS, Section 66796.39 also mandates that if the solid waste facility is not in compliance within one year, the enforcement agency shall revoke the facility's operating permit; and

WHEREAS, Board staff has inspected the Santa Clara Section of Santa Clara/Coastal Landfill on three different occasions from December 20, 1985 to January 8, 1987 as authorized by Section 66796.38(b) and found repeated and/or ongoing violations of the following minimum standards:

- 17616 - Report of Disposal Site Information
- 17629 - Public Health Design Parameters
- 17682 - Daily Cover
- 17704 - Leachate Control
- 17705 - Gas Control
- 17710 - Drainage and Erosion Control

and;

Resolution XX
Santa Clara/Coastal Landfill (56-AA-0004)
Page Two of Three

WHEREAS, a letter dated April 3, 1987 was sent to the owner notified him of the Board's intent to add Santa Clara Section of the Santa Clara/Coastal Landfill to the State List of Non-Complying Facilities unless the above violations were corrected within 90 days; and

WHEREAS, on July 16, 1987 Board staff conducted an inspection and found continuing violations of the following minimum standards at the Santa Clara section of the Santa Clara/Coastal Landfill:

Section 17705 - Gas Control
Section 17710 - Grading of Fill Surfaces

and;

WHEREAS, no repeat violations were found at the Coastal section of the landfill which is owned by the Ventura Regional Sanitation District; and

WHEREAS, to reflect the division of landfill ownership, the Ventura Regional Sanitation District and the City of Oxnard have applied for separate permits as ordered by the Board on March 27, 1987; and

NOW, THEREFORE BE IT RESOLVED that the Board include the Santa Clara Section, of the Santa Clara/Coastal Landfill (56-AA-0004), which is owned by the City of Oxnard, on the state List of Non-Complying Solid Waste Facilities; and

BE IT FURTHER RESOLVED the the Board takes no action against the Coastal section of the Santa Clara/Coastal Landfill (56-AA-0004), which is owned by the Ventura Regional Sanitation District; and

BE IT FURTHER RESOLVED that the Board directs the enforcement agency to develop a compliance schedule as required in Section 66796.39 for the Santa Clara section of the Santa Clara/Coastal Landfill; and

BE IT ALSO FURTHER RESOLVED that the Board directs the enforcement agency to revoke the operating permit for the Santa Clara section of the Santa Clara/Coastal Landfill, if the facility is not in compliance with the State Minimum Standards within one year as required in Section 66796.39.

Resolution XX
Santa Clara/Coastal Landfill (56-AA-0004)
Page Three of Three

CERTIFICATION

The undersigned Chief Executive Officer of the California Waste Management Board, do hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Waste Management Board held on August 13 - 14, 1987.

George T. Eowan
Chief Executive Officer

CALIFORNIA WASTE MANAGEMENT BOARD

Agenda Item #8

August 13-14, 1987

Item:

Update on the Status of the Yuba-Sutter Disposal Area (58-AA-006), Yuba County.

Key Issues:

- Site placed on State List of Non-Complying Waste Facilities on June 18, 1987.
- Owner instructed to report to the Board on the progress towards compliance at each Board meeting.

Background:

The Board included Yuba-Sutter Disposal Area on the State List of Non-Complying Waste Facilities on June 18, 1987 for the following violations:

Spreading and Compacting
Cover
Intermediate Cover
Operating Site Maintenance (site security)

This item is on the agenda because the Board requested the owner to report on his progress towards compliance at each Board meeting.

At the Board's July 16-17 meeting, Dan Koelzer, Koelzer Engineering Services (the consulting engineer for the site), orally provided a status report to the Board. During his presentation he stated the following actions have occurred at the site:

- White goods, mattresses, and metal recycling has been implemented. This will reduce the amount of bulky wastes being incorporated into the fill to assist in spreading and compacting efforts.
- They are progressing in their preparation for filling Areas 2 and 3, and are currently applying for a permit from the Board of Reclamation.

- o They are looking into the purchase of temporary fencing to be used for litter and traffic control.

At the July meeting, the Board also directed staff to conduct a site inspection, with the LEA, before the Board's August meeting. This inspection is scheduled for August 4, and staff will report on the results of the inspection at the August 13-14 meeting. During the August meeting, Mr. Koelzer will provide another status report to the Board.

Recommendation:

This item is being provided for information only.

Attachments

1. Resoluitiion 87-32 with cover letter including the facility on the List.

CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300
SACRAMENTO, CA 95814

JUN 26 1987

CERTIFIED MAIL

Mr. David Barbieri, Owner/Operator
Yuba Sutter Disposal Area
310 E. 22nd Street
Marysville, CA 95901

Subject: Yuba Sutter Disposal Area - 58-AA-06

Dear Mr. Barbieri:

Pursuant to Government Code Section 66796.38 the California Waste Management Board, on June 18, 1987, included the Yuba Sutter Disposal Area, 58-AA-06, on the State List of Non-Complying Solid Waste Facilities (List). A copy of Resolution Number 87-32 placing the facility on the List is attached.

As a result of this action, the Local Enforcement Agency (LEA) will be in contact with you to develop a compliance schedule to bring the facility into compliance within one year of the date you receive this letter. If the facility is not in compliance within that period, the LEA shall revoke the operating permit until such time as violations of State Minimum Standards are remedied.

In addition, you have been requested to present monthly updates to the Board on your efforts to attain compliance with State Minimum Standards. Your first update will be scheduled for the July 16-17, 1987 Board meeting.

If you have any questions regarding this action, please contact me at (916) 322-3330.

Sincerely,

A handwritten signature in cursive script that reads "George T. Eowan".

George T. Eowan
Chief Executive Officer

Attachment

cc: Jonathan Krug, Director, Yuba County Health Department
Jane Chinn, Site Manager
Tim Kassel, Central Valley RWQCB
Dan Koelzer, Koelzer Engineering Services

CALIFORNIA WASTE MANAGEMENT BOARD

RESOLUTION NO. 87-32

Inclusion of The Yuba Sutter Disposal Area (58-AA-006) on the State List of Non-Complying Solid Waste Facilities

WHEREAS, Government Code Title 7.3, Chapter 3, Section 66796.38(a), mandates that the California Waste Management Board (Board) maintain an inventory of solid waste facilities (State List of Non-Complying Solid Waste Facilities) which violate State Minimum Standards; and

WHEREAS, Section 66796.38(a) also mandates that whenever a solid waste facility is proposed to be included in the inventory, the Board shall give notice thereof by certified mail to the affected enforcement agency, the disposal site owner, and the operator of the solid waste facility; and

WHEREAS, Section 66796.38(a) also mandates that if, within 90 days of that notice, the violation(s) has not been corrected, the solid waste facility shall be included in the inventory; and

WHEREAS, Section 66796.39 mandates that the enforcement agency shall develop a compliance schedule for a solid waste facility included in the inventory prepared pursuant to Section 66796.38; and

WHEREAS, Section 66796.39 also mandates that if the solid waste facility is not in compliance within one year, the enforcement agency shall revoke the facility's operating permit; and

WHEREAS, Board staff has inspected the Yuba Sutter Disposal Area on three different occasions from December, 1985 to November, 1986 as authorized by Section 66796.38(b) and found repeated and/or ongoing violations of the following minimum standards:

17636	Weight/Volume Records
17638	Log of Special Occurrences
17639	Inspection of Records
17656	Identification Signs
17676	Confined Unloading
17677	Spreading and Compacting
17682	Cover
17684	Intermediate Cover
17732	Operating Site Maintenance
17751	Periodic Site Review

WHEREAS, a letter dated January 28, 1987 was sent to the owner notifying him of the Board's intent to add the Yuba Sutter Disposal Area to the State List of Non-Complying Facilities unless the above violations were corrected within 90 days; and

WHEREAS, on May 28, 1987 Board staff conducted an inspection and found continuing violations of the following minimum standards:

17677	Spreading and Compacting
17682	Cover
17684	Intermediate Cover
17732	Operating Site Maintenance (site security)

NOW, THEREFORE, BE IT RESOLVED that the Board include the Yuba Sutter Disposal Area (58-AA-006) on the State List of Non-Complying Solid Waste Facilities; and

BE IT FURTHER RESOLVED that the Board directs the enforcement agency to develop a compliance schedule as required in Section 66796.39; and

BE IT FURTHER RESOLVED that the Board directs the enforcement agency to revoke the facility's operating permit if the facility is not in compliance with the State Minimum Standards within one year as required in Section 66796.39; and

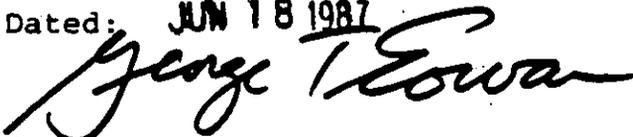
BE IT FURTHER RESOLVED that the Board directs the owner/operator to present monthly status reports to the Board on progress being made towards compliance.

CERTIFICATION

The undersigned Chief Executive Officer of the California Waste Management Board, does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Waste Management Board held on June 18-19, 1987.

Dated:

JUN 18 1987


George T. Eowan
Chief Executive Officer

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM # 9

AUGUST 13-14, 1987

Item:

Consideration of Concepts for Proposed Consulting and Professional Contracts for Fiscal Year 1987-88.

Key Issues:

- Available funds are approximately \$370,000
- \$65,000 previously approved for LaVerne University
- More proposed concept expenditures than remaining available funds
- Some concepts must go unfunded, Board will select
- Need for contingency funds
- IFBs and RFPs will be brought to Board at subsequent meetings

Background:

The Board's budget for Fiscal Year 1987-88 includes a total of \$455,000 for interagency and external consulting and professional services contracts. Certain ongoing contracts for support services (e.g. General Services Accounting, Environmental Affairs Agency, Xerox maintenance, etc.) reduce the discretionary amount available to \$370,000.

Staff has developed a number of concepts for the use of these discretionary contract funds and brings them to the Board at this time for approval and/or modification. At its July meeting, the Board approved expenditures of \$65,000 from this year's contract funds for a LaVerne University waste-to-energy study. This study is listed along with proposed contracts.

Attachments:

Attachment A lists the proposed concepts.

Attachment B provides a summary of each concept proposed.

Recommendation:

The Board is asked to direct staff to develop the necessary Invitations for Bids or Requests for Proposals for the proposed and/or modified concepts for expenditure of Fiscal Year 1987-88 contract funds.

**SUMMARY OF PROPOSED CONCEPTS
FOR CONSULTING AND PROFESSIONAL
SERVICES CONTRACTS FOR FY 1987-88**

	<u>Amount Proposed</u>	<u>Amount Approved</u>
1. University of La Verne Study	\$65,000	<u>\$65,000</u>
2. 800 Toll-Free Hotline	\$25,000	<u>\$25,000</u>
3. Recycling Markets Conference	\$40,000	\$ _____
4. LEA Training	\$48,000	\$ _____
5. Evaluation of the Generation, Movement and Control of Gases Produced in Solid Waste Landfills	\$35,000	\$ _____
6. Public Awareness Program	\$125,000	\$ _____
7. 1987 CLEAN Conference	\$20,000	\$ _____
8. Household Hazardous Waste Information Program	\$50,000	\$ _____
9. Confirmatory Landfill Gas Characterization Laboratory Analytical Testing	\$40,000	\$ _____
10. Sewage Sludge Assessment	\$25,000	\$ _____
11. Assessment of Plastics Degradability	\$50,000	\$ _____
12. Development of a Manual and a Workshop on Determination of Conformance	\$25,000	\$ _____
13. Investigation of Waste Diversion Methods for the Commercial Waste Landfills	\$75,000	\$ _____
14. Scrap Tire Conference	\$10,000	\$ _____
Total Budget for Contracts 1987-88	<u>\$633,000</u>	\$ _____

FY 1987-88 Contract Proposal

1. University of La Verne Study \$65,000

The National Energy Research and Information Institute, an affiliate of the University of La Verne, was awarded \$65,000 by the Board at its July meeting for the development of a public relations program for the waste-to-energy industry. The grant will be used to support publication of newsletters, videotapes, and a speakers bureau to promote waste-to-energy technology among cities, counties, and other interested parties. \$15,000 of the grant will be put toward support of the 1988 RETSIE/IPEC program. The California Waste-to-Energy Council will also share in the effort and is planning to locate on campus so as to better participate in the program. Approved by the Board at its July 16-17, 1987 meeting.

2. 800 Toll-Free Hotline \$25,000

The Board is currently developing an IFB to restructure the 800 toll-free hotline. The IFB would bring the database back to the Board, contract with a telephone answering service directly, and maintain the database in-house. The contracted answering service would provide 12 hours per day, 7 days per week, Spanish-English responses to citizen inquiries to local recycling opportunities. At the June 18-19, 1987 meeting, the Board directed the Chief Executive Officer to continue this service.

3. Recycling Markets Conference \$40,000

A Recycling Markets Conference would be sponsored by the Board to bring government, industry, and the recycling community to focus on markets development as the most important component of successful recycling program expansions in California. Domestic markets and foreign markets (especially the Pacific Rim and Latin markets) will be addressed in the conference. The outputs of this conference would contribute to the development of an important element of the Board's proposed recycling legislative program.

4. LEA Training \$48,000

Every year the Board provides an LEA training seminar series which is open to operators and other interested parties as well as LEAs. The training seminars disseminate new information on

solid waste issues, train new LEAs, and provide continuing education for experienced LEAs and operators. The seminars consist of four, two-day sessions, given in the northern, southern, central and bay areas. The first day is a basic course, and the second day is a more advanced seminar on a different subject. The subjects for 1987-88 are a basic course on permitting and an advanced seminar on landfill gas monitoring and control. The LEA training seminars are to be given by staff and a contractor, and will include guidance manuals on both subjects.

5. Evaluation of the Generation, Movement and Control of Gases Produced in Solid Waste Landfills **\$35,000**

Final installment for second phase of contract with the University of California for the project period, July 1, 1988 to December 31, 1988, tentatively approved by the Board on January 22, 1987.

6. Public Awareness Program **\$125,000**

This contract would replace existing Northern and Southern California press/media contracts with a single contract to provide the Board with statewide press media consulting services, and continue the development of the California Cleanin' campaign. Activities would include press/media liaison (including press advisories, releases and conferences), free media program operation (new television and radio public service announcements, talk shows, editorial support), speakers program management (training, scheduling and coordination) and editorial and graphic services support (newsletter, annual reports, brochures).

7. 1987 CLEAN Conference **\$20,000**

A second annual CLEAN Community Awards Conference would be held in November, 1987. This conference gives recognition and monetary awards to outstanding litter/recycling programs among the CLEAN membership. Additionally, a conference of this kind provides a valuable opportunity to feature speakers representing successful and innovative programs and to share strategies employed in the programs.

Such events promote CWMB image in terms of leadership and coordination with local government, industry and community service groups.

8. Household Hazardous Waste Public Information Program

\$50,000

ACTIVITY DESCRIPTION: Program would allow the Board to meet the minimum requirement of AB 1809 (Tanner), 1986. Section 66798.1 of AB 1809 requires the public information program to "include the development of pamphlets or other written materials which could be used by local governments and other agencies in conjunction with household hazardous waste collection or other programs which these agencies may offer". This program would develop, print, distribute and evaluate a written publication. Results of the evaluation would be described in the Board's report to the Legislature due January 1, 1988.

9. Confirmatory Landfill Gas Characterization Laboratory Analytical Testing

\$40,000

Additional, independent analytical work is necessary utilizing the identical protocol as the primary Contract laboratory, for Quality Assurances purposes. This additional testing is imperative to validate the overall test results of the samples obtained in the Board's Landfill Gas Characterization effort.

10. Sewage Sludge Assessment

\$25,000

New and often more restrictive regulations concerning the disposal of sewage sludge has brought about the necessity to more carefully assess the available capacity that each county has for sewage sludge in their respective counties. The adequate disposal of such sludge should be specifically identified in the CoSWMP. Assessment of alternative treatment processes is necessary.

11. Assessment of Plastics Degradability

\$50,000

The percentage of the waste stream comprised of plastics increases daily. The variety and complexity of plastic resins increases rapidly. The problems associated with the processing, recycling, and disposal of plastic increase proportionally. New resins that promise degradability when exposed to moisture have been developed. The impact of new developments should be addressed so the Board can respond intelligently to the Legislature and the public. The Board should contract to be brought up to date on what is going on in the area of plastics.

12. Development of a Manual and a Workshop
on Determination of Conformance

\$25,000

Proponents, LEAs and CoSWMP Liaisons are in many cases confused about their role in the determination of conformance process. Many involved treat this action as a second thought.

The purpose of the manual would be to make clear various parties' roles in this determination of conformance process. A step by step approach would be laid out for each, along with appropriate examples. The 1/2 day workshop held in strategic places throughout the state would provide training for those needing to go through the project.

13. Investigation of Waste Diversion
Methods for the Commercial Waste
Stream.

\$75,000

Much of the focus on recycling has been on the residential portion of the waste stream, which only represents between 40% - 50% of the waste stream. This study would look at the potential for looking at waste diversion methods for commercial portion of the waste stream.

14. Scrap Tire Conference

\$10,000

The Board would sponsor a scrap tire symposium/conference jointly with the Scrap Tire News. This publication, which speaks for the scrap tire industry, initiated the idea, hence, their total cooperation and co-funding would be anticipated. The issue is of increasing importance. This conference would bring together in CA, all the leaders in the area of scrap tire management to share in the latest scrap tire processing, resource use, and disposal. Could include a visit to the new tire burning facility in San Joaquin County.

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM # 10

AUGUST 13-14, 1987

ITEM:

Consideration of Approval of the Draft Status Report on State Agency Litter Control Programs (CSLCP).

KEY ISSUES:

- Board Staff initiated the CSLCP to assess other agencies litter activities.
- Sixteen State agencies are working with Board staff to improve efficiency and to deal more effectively with litter abatement, enforcement, public awareness, and education.
- Report provided under separate cover, also circulated for comment to CSLCP participants.

BACKGROUND:

At the April 24, 1987 Board meeting, staff presented an agenda item which detailed efforts to coordinate existing litter control programs being conducted by other state agencies. In addition, new strategies were suggested which would more effectively address the litter problem. The Board directed staff to continue working with the representatives of the participating agencies to develop a list of activities to be undertaken and a proposed timeline for key actions.

STAFF ANALYSIS:

The efforts to bring about a more coordinated approach to litter abatement programs in California has proven to be a valuable undertaking. Open lines of communications now exist between State agencies that previously knew little or nothing about each others activities. Individual agencies have benefitted directly from this effort by coordinating activities with other agencies, utilizing existing distribution systems to disseminate litter information and education materials, and sharing ideas to result in more effective programs.

The report under consideration by the Board today summarizes the progress made to date. New and innovative ideas to expand the coordinated State agency approach to litter abatement in the State are contained in Section III of the report.

The interest expressed by each of the participating State agencies is indicated by the regular attendance over the past six (6) months. In addition, the attendance of key legislative staff persons to meetings of the CSLCP gave further support to the notion that litter is a matter of significant concern to the Legislature. Recommendations of the report under consideration today may engender legislation during the 1987-88 session of the California Legislature.

RECOMMENDATION:

Staff recommends that the Board approve the Draft Status Report of Litter Control Programs in California with any suggested changes. Further, staff recommends that the Draft Report be finalized and distributed to the Legislature, all State agencies that participated in its formulation, and to all other interested parties.

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM #11

AUGUST 13-14, 1987

ITEM:

Progress Report on the Waste Characterization Study: Assessment of Recyclable and Hazardous Components by SRI International.

KEY ISSUES:

- Results of full-scale summer sampling
- Plans for fall sampling

BACKGROUND:

The Board in June, 1986 awarded a \$150,000 contract to SRI International for a report "estimating the types and amounts of hazardous waste materials and recyclable materials in the household solid waste stream". The scope of work is attached.

As part of the contract, SRI is required to prepare a semi-annual progress report for the Board which describes the results of any sampling conducted, as well as, discuss the implications of the results for the remainder of the study.

Dr. Bomberger of SRI will present the results of the summer full-scale sampling, the statistical analyses, and plans for fall sampling.

RECOMMENDATION:

Information item only. No Board action required.

Attachment

1. Amended Scope of Work

EXHIBIT A: Scope of Work

As a result of this contract award, a study shall be completed which identifies the types and quantities of household wastes which are recyclable or hazardous. This study shall be conducted in accordance with the following provisions.

1. Methodology

The contractor shall perform manual segregation of statistically drawn samples of household wastes to identify their composition. Both recyclable and hazardous components shall be identified, by category, through this sampling procedure. Weights of recyclable waste components and weights, volumes, and concentrations of household hazardous waste components, including that of hazardous waste residuals in containers shall be determined in a way which allows analysis of each component as a percentage weight, volume and concentration of all wastes in the household waste stream. The initial categories are to include the following components, at a minimum. The Contractor, in the course of the pilot study, should add or, with board approval, delete categories and subcategories as appropriate to make the study more useful to the Board.

a. Recyclable Components - The Contractor shall sample the following recyclable components prior to, as well as, after the "bottle bill" legislation becomes operative (October 1, 1987). The weight of the material in each category shall be determined, and shall be reported as a percentage of the total refuse sample weight.

Recyclable (deposit collected at sale)

Glass
Ferrous
Non-ferrous
PET

Non-recyclable

Glass
Ferrous
Non-ferrous
Non-PET

b. Hazardous Materials - Generic Categories - The Contractor shall use the following generic categories for continued study. Concentrations of these materials in the refuse will be reported in parts per million.

Generic Categories

Chlorinated hydrocarbons
Non-chlorinated hydrocarbons (including fuel)
Other organics (solvents)
Pesticides (insecticide, herbicide, fungicide, etc.)
Pigments
Adhesives and sealants
Waste oil
Batteries

c. Products/Product Groups containing hazardous materials to be sorted - The Contractor shall hand sort refuse for the following products:

Paint	Solvent
Adhesive	Sealant
Pesticides	Polishes
Preservatives	Batteries
Floor and furniture cleaners	
Automotive products (including waste oil)	

The Contractor shall maintain a count of empty containers, as well, as maintain records on the weight, volume and concentration of sorted products containing hazardous materials.

2. Sampling Criteria

The contractor shall use the following criteria in selecting wastes to be sampled in the study:

a. Number of Locations - The contractor shall conduct the study at two locations in Northern California. All samples shall be taken from the waste stream coming from Belmont and East Palo Alto and passing through the Browning Ferris Industries, Inc. (BFI) San Carlos transfer station.

b. Route Sampling - Sampling loads are to be collected from a specified set of households on specified routes. For each of the communities sampled, the contractor shall select collection routes which include single-family and multi-family residences and exclude commercial and industrial waste sources. The Contractor shall select as many routes as necessary to ensure that the residential waste collection routes give a representative sample of broad strata of California's population and accommodate the geographic and socioeconomic variations

within the State which are believed to most determine household waste composition. Since broad coverage may conflict with the statistical precision of results that can be obtained with the level of effort proposed, Board approval of the number and makeup of the routes will be obtained before developing a detailed plan for the Extended Sampling Study.

1) Individual residents for the routes where such studies are conducted must not be informed that they are participating in a study.

2) Routes that service only residential structures must be selected. Efforts should be made to include single family dwellings and multi-family units that include owner occupied, rental, and lease occupancy.

3) Routes must be selected with the cooperation and approval of the jurisdiction and the collection agency wherein the sampling is being done.

4) Public or private collection vehicles making collection on identified routes must be directed to a designated site where the contents of the vehicles shall be segregated from the contents of other vehicles. This location may be a transfer station, landfill, or other suitable location for the conduct of the study.

c. Frequency of Sampling - The Contractor shall conduct the waste characterization sampling for the two locations at least two different times during the year to allow for seasonal variation in waste flow composition.

d. Duration of Sampling - Each of the sampling periods shall be of sufficient duration to account for daily variations in the household waste stream.

e. Self-haul Sampling - The Contractor shall select residential self-haul loads which are representative of self-haul loads of residential solid waste. These samples shall be hand sorted.

f. Number of Samples - The Contractor shall use the Pilot Study to obtain estimates of the level of statistical precision that can be obtained for measures of percentage weight, volume, and concentration of hazardous materials in the waste stream. The Contractor shall use the Pilot Study to obtain estimates of the

level of statistical precision that can be obtained for measures of percentage weight of recyclable materials in the household solid waste stream. Since achieving a target level of precision will impact the number of hazardous and recyclable waste categories and subcategories that can be studied, the Contractor shall propose a level of precision to be achieved (e.g., 0.01% at the 90% confidence level) and obtain the Board's approval before completing a detailed sampling plan for the Extended Sampling Study. The ratio of self-haul samples to packer truck samples will be 1:1.

g. Random Sampling - Samples shall be selected using a random number generator or similar mechanism to avoid sampling bias.

3. Data Summary Tables

The following data shells indicate the types of data summaries to be supplied to the Board in the final report and, as appropriate, in semi-annual reports and monthly reports following the collection of sample data. The Contractor may reverse the axes (columns becoming rows) and make other formatting changes to improve the legibility and usefulness of the tables.

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM #15

AUGUST 13-14, 1987

ITEM:

Presentation of a Resource Recovery Process by Resource Energy Ventures.

KEY ISSUES:

- Avanti Marketing of Phoenix, Arizona requested to make a presentation of a resource recovery process
- A representative of Avanti Marketing will discuss the process with the Board

BACKGROUND:

In July, 1987, Mr. Ottavio Tassielli contacted the Board about discussing a resource recovery process developed by Resource Energy Ventures (REV). The system claims to use both existing and proprietary technologies to recover a large percentage of materials from the municipal solid waste stream, resulting in a claimed potential to reduce landfill requirements by ninety percent.

DISCUSSION:

A representative of Avanti Marketing will make a presentation of their process to the Board.

RECOMMENDATION:

Information item only

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM #16

AUGUST 13-14, 1987

ITEM:

Discussion of the status of revision and update of regulations

KEY ISSUES:

- At its April 21 and 22 meeting, the Board identified the need to revise the Title 14 CAC regulations on waste management.
- In response, a program has been developed to rewrite certain regulations and four staff persons have been assigned to the task.

BACKGROUND:

Board management has identified several areas in the regulations contained in the Title 14, California Administrative Code, pertaining to solid waste management, which are in need of revision to reflect advancements in technology, the need for long term planning at solid waste facilities, and clarification of existing regulations. A program has been developed to revise these regulations. The purpose of this item is to introduce those individual staff members who are working on this assignment and to provide a brief introduction to each of the areas that will be addressed.

Waste to Energy:

Martha Gildart
Standards and Regulations Division

Waste-to-energy facilities have several environmental, health, and planning aspects not possessed by other waste handling methods. The regulations contained in Title 14 (CAC) treat waste-to-energy only superficially. Specific regulations need to be developed for waste-to-energy facilities on performance

standards, permit conditions, and planning requirements to ensure that these facilities present a minimum threat to the health and safety of the public and the environment.

Waste-to-energy represents an opportunity to dispose of wastes close to the point of generation. The technology can be made compatible with an aggressive recycling program. The permitting of waste-to-energy facilities requires a special set of findings beyond those required for other solid waste facilities. Permit procedures should link existing regulations and permits of agencies like the Air Resources Board and the Water Resources Control Board to the Solid Waste Facilities Permit. Public participation in the development and planning of facilities should be encouraged at as early a point as possible.

Solid Waste Facilities Permitting:

Martha Gildart
Standards and Regulations Division

Current permit regulations are contained in Chapter 5, Enforcement, and deal largely with application procedures. The level of detail in the regulations as to facility operation, performance standards, and environmental requirements is inadequate. The regulations should be rewritten to provide the applicant a clear idea of what is required in an application, what restrictions are likely to be included in the permit, and the procedures for processing the application. New requirements need to be included for handling of special waste, household hazardous wastes, closure and post-closure concerns, and waste-to-energy facilities. Permit requirements linking the solid waste facilities permit to permits administered by other agencies should also be included.

Minimum Standards for Solid Waste Handling and Disposal:

Pam Badger
Enforcement Division

The Minimum Standards for Solid Waste Handling and Disposal (Minimum Standards) regulate solid waste facilities in areas such as design, records, safety, operations, controls, and maintenance. One Minimum Standard has been modified since 1978 (CAC 17683, Performance Standards). As expertise and knowledge in environmental controls have developed, the standards have become outdated.

The Minimum Standards fail to give sufficient direction on the proper design of solid waste facilities to protect the public health and the environment. Thus, limited accepted Board direction exists to provide operators and LEAs with consistent guidance and direction, especially in areas of greater technical concern.

Many of the individual standards are unclear, difficult to enforce, and/or incomplete. Operators and LEAs have experienced difficulty adhering to the standards, and Board staff has found it difficult to interpret them as well.

Revised minimum standards should be easier to understand, comprehensive, and thus, require little interpretation on the part of Board staff and the LEAs. Revised Minimum Standards should direct operators to design facilities in a safe and environmentally sound manner, but be flexible enough to allow for new technological developments.

Closure and Post Closure Standards:

Caren Trgovcich
Enforcement Division

Currently, the Board has no guidance on acceptable closure and post closure practices for solid waste facilities. While the State Water Resources Control Board has adopted regulations pertaining to solid waste facilities, these regulations deal more specifically with the impact to ground and surface waters. There does not exist a set of comprehensive, realistic guidance by which solid waste facility owner/operators can follow to plan and complete closure at a facility and to maintain that facility during its post-closure life.

Board staff is receiving a growing number of requests from LEAs and operators on the appropriate operational, design and monitoring criteria for closure at a solid waste facility. Board staff evaluated each request on a site-by-site basis with no basic set of guiding criteria. This has created inconsistencies in the establishment of closure procedures at these facilities.

Board staff will propose standards which will allow a solid waste facility to plan for its closure and post-closure care. This planning should directly relate to the facility's active operations. Pre-planning of closure activities will allow facilities to close areas at a facility in a scheduled, approved manner.

County Solid Waste Management Plan:

John Smith
Local Planning Division

While the existing regulations in Title 14 (CAC) relating to County Solid Waste Management Plans (CoSWMPs) may have been adequate for the preparation and implementation of the original plan and its first revisions, many changed circumstances in the interim have made them incomplete. Those changed circumstances include demands from the public for a greater role in siting solid waste facilities and for a more careful review of facility impacts, the lack of coordination of solid waste programs by

various local and State agencies, and the dwindling disposal capacity in many areas of the State.

To reflect these changes, staff anticipates preparing revisions to existing regulations which will reflect a greater participation of the public, a more careful evaluation of environmental concerns, a greater coordination of various State and local solid waste programs, and a long-term siting program for disposal facilities.

RECOMMENDATION:

For information only.

CALIFORNIA WASTE MANAGEMENT BOARD

Agenda Item # 17
August 13-14, 1987

ITEM:

Quarterly Review of Recyclables Markets: April - June, 1987

KEY ISSUES:

- Aluminum: Price highest in the seven quarters since latest tracking began.
- Glass: Price remained same as previous 6 quarters.
- Newspaper: Price high due to stronger foreign demand.
- Corrugated: Price much higher due to stronger foreign demand.
- Used Oil: Some collection stations must still pay to have it hauled away, but others are able to dispose of it at no charge.
- Plastics: Markets beginning to be established in Southern California, largely in response to AB 2020.

BACKGROUND:

This is the seventh quarterly report on the status of markets for materials collected through recycling. This report provides price data for the quarter ending June 30, 1987. The report discusses the market for aluminum, glass, newspaper, corrugated, used oil, and plastics.

Beginning with this quarter's report, staff has collected market information by contacting some of the largest recycling centers in the State. The following list indicates the recyclers which provided data. Annual tonnages are shown to indicate the

relative size of the recycling operations. The tonnages are estimates only and do not pertain to the same time period in every case.

<u>RECYCLER</u>	<u>TPY</u>
● Allan Company (10 centers)	600,000
● Garden State Paper (17 centers)	140,000
● Santa Rosa's Recycle Three	21,000
● Marin Recycling Center	20,000
● San Jose's Recycle America	10,200
● Berkeley Ecology Center	9,000
● Modesto Disposal Service	7,400
● Sunnyvale Recycling Center	4,100
● Davis Waste Removal	3,200
● West Los Angeles Recycling	2,000
● Oceanside Disposal	1,800

The information from the recycling centers was supplemented with data provided by brokers of the major commodities.

MARKET REPORTS

Although basic supply and demand economics determines the prices paid for recyclable wastes, other factors also play a role.

- The amount of processing and transportation cost to be borne by the seller rather than by the buyer affects the price paid. When the collection center bales, sorts, or otherwise processes the material, the center can command a higher price. When the center pays the cost to haul the material to the buyer, a higher price is paid.
- The volumes being sold also influence the prices paid. A recycling center which sells large volumes of material on a regular basis may be paid a higher price than a center which has only small lots to sale.
- Finally, loyalty between buyers and sellers is a factor. Some centers deal with the same buyers year after year on the understanding that the buyers do not pay the highest possible price when prices are high nor the lowest price when prices are low. Such sellers stay with their buyers because those buyers provide reliable markets for the seller's recyclable wastes.

Aluminum

The price paid for aluminum cans was higher during the second quarter of 1987 than any time in the past six quarters. The weak

dollar relative to other currencies seems to have been the primary factor causing the price increase. Can manufacturers buy aluminum sheeting overseas or can stock made from used cans from the United States. When the dollar is weak, they tend to buy more used beverage containers (UBC) and less sheeting. This, in turn, causes the price of UBC to increase. Currently, the price aluminum smelters pay to scrap aluminum brokers in California averages \$1000 per ton (\$0.50 per pound). This high price is reflected in the high price paid to collection centers and, in turn, to the public. There are expectations that the price paid by smelters will rise to \$1100 per ton before the summer is over.

Aluminum Cans Price per Pound

(\$/lb)

	<u>To Public</u>	<u>To Collection Centers</u>
10-12/85	\$0.10 - 0.20	\$0.25 - 0.30
1-3/86	0.20 - 0.30	0.35 - 0.40
4-6/86	0.16 - 0.25	0.30 - 0.35
7-9/86	0.16 - 0.25	0.30 - 0.35
10-12/86	0.10 - 0.20	0.28 - 0.33
1-3/87	0.20 - 0.32	0.42 - 0.43
4-6/87	0.20 - 0.35	0.33 - 0.48

Glass

The recycling centers surveyed for this report indicated that glass prices have remained the same in the second quarter as in prior quarters. The apparent change in price shown in the table below is due to the change in the method of collecting the price data rather than to any real change in the market. Much of the variation in price is due to differences in the processing and transportation provided by the recyclers as opposed to by the buyers. When the buyer takes unsorted glass and provides the freight and containers, the price paid is low. When the recycler color sorts the glass and transports the glass to the buyer, the price paid is high.

The relatively high price paid for recycled glass is due to the demand of manufacturers who find advantages to using waste glass in the manufacture of new glass. Using waste glass reduces energy and other operating costs in the manufacture of new glass. Using waste glass in making new glass keeps natural gas costs down because waste glass has a lower melting temperature. Using waste glass also helps glass plants achieve acceptable air emission levels.

Glass Price per Ton

(\$/ton)

	<u>To Public</u>	<u>To Collection Centers</u>
10-12/85	25 - 30	55 - 70
1-3/86	25 - 30	55 - 70
4-6/86	25 - 30	55 - 70
7-9/86	25 - 30	55 - 70
10-12/86	25 - 30	55 - 70
1-3/87	25 - 30	55 - 70
4-6/87	20 - 40	15 - 70

Newspaper

Since the beginning of 1987, the price paid for waste newspaper in California has been high because foreign demand is strong. Activity in the Far East paper market most heavily influences the prices paid for waste paper because of California's location on the Pacific Rim. In part, the strong demand is due to the weakness of the dollar and because of pressures from Washington for Far Eastern countries to buy more from the US. Paper shortages in the Far East are also a factor. Paper manufacturing capacity has expanded in several Far Eastern countries, and those countries are building inventories of raw materials (e.g., old newspaper) to satisfy the capacity.

Newspaper Price per Ton

(\$/ton)

	<u>Foreign</u>	<u>Domestic</u>	<u>To Public</u>
10-12/85	\$55	\$45	\$15 - 20
1-3/86	65	55 - 60	25
4-6/86	65	45 - 60	25
7-9/86	60	45 - 55	25
10-12/86	55	45	20
1-3/87	82	78	40 - 50
4-6/87	40-90	40 - 80	30 - 50

Corrugated

Prices paid for recycled corrugated rose dramatically during the second quarter of 1987. The factors causing the rise in newspaper prices-- the weak dollar and shortages of material in the Far East-- were also at work in determining the corrugated market.

Corrugated Price per Ton

(\$/ton)

	<u>Foreign</u>	<u>Domestic</u>	<u>To Public</u>
10-12/85	\$70	\$65	\$20
1-3/86	70	65	20
4-6/86	70	65	20
7-9/86	90	70	35
10-12/86	85	65	35
1-3/87	85	65	35
4-6/87	118 - 129	60 - 123	50 - 84

Used Oil

End-market used oil prices appear to have stabilized at a low level. The price paid for used oil at end markets has averaged \$0.12 to \$0.15 per gallon since late 1986.

Charges paid by used oil collectors to have their oil hauled to market were much less common and lower in the second quarter than they were in the first quarter of 1987. Some collection centers report that, during the second quarter of 1987, they were charged up to \$0.20 per gallon for having used oil hauled away; others paid no charges. According to an oil industry source, the average charge paid for used oil hauling was higher in northern California (\$0.11 per gallon) than in southern California (\$0.06 per gallon).

Used Oil Price Paid per Gallon

(\$/gal)

	<u>End Markets</u>	<u>Collection Stations</u>
10-12/85	\$0.50 to 0.55	\$0.25 to 0.35
1-3/86	0.15 to 0.20	0.00 to 0.05
4-6/86	0.15 to 0.20	0.00
7-9/86	0.15 to 0.20	-0.25
10-12/86	0.12 to 0.15	-0.25
1-3/87	0.12 to 0.15	-0.25 to -0.50
4-6/87	0.12 to 0.15	-0.20 to 0.00

Plastics

Markets for postconsumer plastics, especially for used PET beverage containers, are being organized in California in

response to the redemption provisions of AB 2020. The leading manufacturers of PET have formed the Plastics Recycling Corporation of California (PRCC), managed by Pacific West Communications Group. PRCC was established to provide the mechanism by which PET scrap collected under the new law can be readily marketed.

There has always been a market for postconsumer PET, but the price paid does not always compensate for the cost of collection and processing. At this time, the price paid by Wellman, an East Coast buyer, for color-separated, baled (min. 10 psi), uncapped or perforated PET is \$0.06 per pound, FOB the recycling center. Recycling centers in southern California are paid \$0.08 per pound by PRCC's local processor. At an average of 8 bottles per pound, these prices are not high enough to cover the cost of collection adequately, according to a PRCC spokesman.

That situation is not favorable to the PET industry since, under AB 2020, the Department of Conservation will assess manufacturers a processing fee to the extent that the scrap value does not cover the collection costs. Consequently, PRCC expects to set the PET price in California high enough that PET beverage container manufacturers will be able to avoid having to pay a processing fee. The price is expected to be \$0.15 per pound in October when AB 2020 goes into effect.

To facilitate the PET marketing, PRCC is attempting to insure that there is a buyer of PET established within 100 miles of every major population center in California. For example, PRCC has put together a network of recyclers in southern California who market scrap PET through CR & R, a PET processor in Stanton. This network includes--

- o Santa Monica Buyback Center
- o Ecolo-Haul (in West Los Angeles)
- o Burbank Buyback Center
- o South Pasadena Center
- o Garden State Paper
- o California Metals
- o Benner's (in Anaheim)
- o CR & R

The low scrap value of PET continues to be seen in the price paid to the public for PET bottles. One recycled materials broker reports paying the public \$0.01 per pound for PET. That price is actually high since there are very few recyclers or brokers willing to buy PET from the public.

Postconsumer PET Prices Paid per Pound
(\$/lb)

	<u>To Public</u>	<u>To Collection Centers</u>
4-6/87	\$0.01	\$0.06 - 0.08

RECOMMENDATION:

Information item only.

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM # 18

AUGUST 13-14, 1987

ITEM:

Discussion of Proposals for Development of a Comprehensive Recycling Program for the California Waste Management Board

KEY ISSUES:

- The Board is the lead agency for development of recycling strategies in California.
- Increased interest has been expressed by local government for development of recycling alternatives to address growing waste generation rates and volumes and diminished landfill capacity.
- Other State agencies contemplate development of aggressive recycling programs in the absence of CWMB leadership in the area.
- The California Recycling Act of 1988.

BACKGROUND:

At the July 16-17 meeting, the Board directed staff to prepare an Agenda Item for discussion of possible actions that the Board may undertake to develop a more visible statewide recycling program. This Item has been prepared in response to that directive.

Among the statutory responsibilities of the California Waste Management Board (CWMB), is the development of various means for the safe and environmentally sound management of solid waste. Recycling, or segregation of materials from the waste stream for the purpose of using the material in an altered form, is one of the primary means by which solid waste can be managed. Aside from the obvious environmental benefit of resource conservation, recycling of materials from the solid waste stream serves to extend the useful life of the State's landfill capacity. The

visibility of the Board's recycling program has declined in recent years to the point that staff are only able to provide limited technical assistance to those who inquire about recycling alternatives in California. Normal staff attrition without replacement, due to budget reductions, has further reduced the ability of the Board to effectively project an image of leadership in the area of recycling. The enactment of Assembly Bill 2020 in 1986, giving lead responsibility for implementation of the California Beverage Container Recycling and Litter Reduction Act to the Department of Conservation, further emphasized the reduced visibility of the Board's recycling leadership role.

DISCUSSION:

It has not been the policy of the Board to recommend one means of management of solid waste as the best means. Rather, the Board has recognized that a variety of methods are available to effectively handle solid waste and that local conditions often dictate the best means for a given location. Recent developments have prompted local officials to re-evaluate those conditions and give recycling a closer look. The developments that dictate a need for reassessment of recycling include:

1. Diminishing landfill capacity

As the amount of waste increases due to population growth and increased per capita waste generation, local officials experience the need to acquire new landfill capacity. Acquisition of the landfill capacity is difficult, time-consuming and expensive.

2. Local opposition to landfills and waste-to-energy siting

Generally, citizens do not discriminate between solid waste management options that they don't like...they don't like all of them equally. New landfills and proposed waste-to-energy projects rally local citizens into a fervor that local politicians find hard to ignore. As a result, even well designed, environmentally sound, technically practical solid waste projects may not be sited.

3. Recycling's positive public image

Local officials, and to some extent private refuse collectors, have begun to investigate implementation of recycling programs on a large scale, such as curbside collection. Depending on the scope of the programs, curbside could have a significant impact on the volume of waste being diverted from landfills. Recycling proposals meet with a much more positive response from the public than some other alternatives being pursued.

Although the passage of AB 2020 may place a significant program under the jurisdiction of another agency, the bottle redemption program addresses less than one (1) percent of the solid waste stream in California. Management of the solid waste stream is clearly the province of the Board.

Consideration of possible actions that the Board may undertake to establish a leadership role in solid waste recycling is the topic under discussion today.

Staff will make a presentation to the Board, outlining a possible comprehensive recycling program for further development and possible action by the Board at a later date.

STAFF PROPOSAL FOR DISCUSSION:

THE CALIFORNIA RECYCLING ACT OF 1988

The staff recommends a comprehensive legislative program to establish a program which would require local governments to provide opportunities for citizens to recycle materials from the solid waste stream. Staff is currently working on the language of the legislative proposal and will have this completed by the Board meeting. For discussion today, the major components of the program are presented below:

I. County Recycling Plans

Each county would develop a recycling plan to meet the requirements of the law. The recycling plan would be integrated into and become part of the County Solid Waste Management Plan.

A target for recovery of materials be established between 10% and 25%, according to criteria and a time schedule developed by the Board.

From a list of acceptable recyclable materials established by the Board, each county would identify specific materials that will be separated from the area's solid waste stream, subject to Board approval.

II. Market Development

The Board would undertake actions to bring stability, reliability and predictability to the recycled commodities markets. A detailed study for each commodity would be conducted under contract. These studies would further develop procedures to eliminate or reduce barriers to market expansion. Conferences on the subject would also be sponsored.

Additional actions may include establishing through contract, a commodities "futures market" structure to create stability in the price for recyclable materials to be processed at some future date.

In addition, recent actions by the Governor to establish a "Pacific Rim Initiative" to increase the export of goods from California to the Far East, could be investigated to expand the concept to include recycled materials.

III. Public Information/Education

The Board would establish a vigorous public information and education program to support the various recycling programs established under the legislation. Among the objectives of such a program would be a public education program to increase the public's knowledge about recycled products and packaging by developing a well publicized product identification system that will assist the consumer in selecting products and packaging that contain recycled materials. Other efforts would be focused on changing consumer purchasing habits and creating a positive image for support of local recycling programs.

IV. Financial Assistance

Board would provide assistance in the form of grants, loans and contracts, approved by the Board, to develop programs to separate recyclables from the solid waste stream, perform market studies, conduct research and development, initiate public relations and behavioral modification programs, support special waste handling programs, and assist local litter abatement programs.

V. Funding Sources

Funding could be provided through a variety of sources, including, landfill fee of \$0.25 per ton on volume of waste disposed of, General Fund, and an excise tax on commodities.

RECOMMENDATION:

Information item.

CALIFORNIA WASTE MANAGEMENT BOARD

AGENDA ITEM #19

AUGUST 13-14, 1987

ITEM:

Presentation on the Regulation of Landfills by Air Pollution Control Districts

KEY ISSUES:

- Three Air Pollution Control Districts have promulgated rules covering air emissions arising from landfills.
- One other Air District requires testing for chemical compounds in addition to those required for Solid Waste Assessment Tests (SWATs).
- Landfills in the large urban areas are being required to install landfill gas control and/or monitoring systems.
- Legislature in 1984 required landfills to conduct air quality tests. While no new regulations have been proposed as result of these tests, it is likely that additional regulations will be developed.

BACKGROUND:

Within the past three years several major Air Pollution Control Districts have promulgated regulations regarding actual and potential air emissions emanating from municipal solid waste landfills. In general these regulations require most landfills to install gas monitoring and/or control systems. Exemptions are often provided for relatively small sites. In addition, the South Coast Air Quality Management District specifically regulates "closed" landfills.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

On May 2, 1984 the Bay Area Air Quality Management District (BAAQMD or District) adopted Regulation 8, Rule 34 [Landfill Operations] whose stated purpose was "to limit the emission of organic compounds at landfills." The rule does not specify any set standard that must be met. Rather, the requirement is that the system must be satisfactory to the Air Pollution Control Office. In 1986 the District amended the Rule to reduce the number of exemptions and to strengthen the compliance schedules.

The Rule requires the landfill operator (or owner) to collect landfill gases through an approved gas collection system and to process those gases. The processing could be done by directly burning the gases, direct sales to a gas pipeline or by removing 90% (by weight) of the organic compounds within the gas.

Exemptions are provided for sites with less than 1 million tons in place and that accept only "nondecomposable inert solid waste." The other previously exempted sites had until August 1, 1987 to attain compliance with the amended Rule 34. The Rule, as passed in 1984, required that landfills, subject to this Rule, be in compliance no later than January 1, 1987.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

The South Coast Air Quality Management District (SCAQMD or South Coast District) began direct regulation of landfills in 1982 with the passage of Rule 1150 [Excavation of Landfill Sites]. This Rule basically states that no landfill can be excavated (defined as the exposing of waste to the atmosphere by activities other than normal landfill operations) without an approved Excavation Management Plan. The SCAQMD's Executive Officer shall not approve a Plan unless it provides information regarding the quantity and characteristics of material to be excavated; defined mitigation measures; and immediate cessation of excavation upon a determination by the Executive Officer that a public nuisance has resulted from the excavation.

In 1985 the South Coast District extended its rulemaking to cover gaseous emissions from both active and inactive landfills.

Rule 1150.1 (adopted April 5, 1985) requires the installation of landfill gas control systems at active sites. The Rule requires that the control system satisfy two specific standards. The first standard is that the average concentration of total organic compounds on the landfill surface not exceed 50 parts per million (ppm). The second standard is that the maximum single point on the surface concentration of organic compounds as methane cannot exceed 500 ppm.

The required gas control system must be designed and installed in a manner approved by the District. Part of the required system is the installation of sampling probes at the perimeter of the landfill's land parcel. With respect to the collected gases, the landfill must dispose of those gases or sell the gases before or after treatment.

The landfill owner (or operator) shall, no less frequently than monthly, analyze the landfill gas and air on the surface for the concentrations of total organic compounds and toxic air contaminants.

All active landfills must be in compliance with Rule 1150.1 by January 1, 1989. Exemptions may be granted by the District if the owner/operator can demonstrate to the satisfaction of the SCAQMD that the landfill will create no adverse air quality impacts.

On October 18, 1985 the SCAQMD extended its authority to cover inactive landfills. An inactive site is defined as one that stopped receiving waste on or before January 1, 1982. Rule 1150.2 [Control of Gaseous Emissions from Inactive Landfills] requires the site owner to submit sufficient information to the District in order to determine if a gas control system is, in fact, necessary.

If the South Coast District determines that a gas control system and/or gas monitoring system is necessary, such systems shall be installed by the owner. Such system shall meet the same performance specifications as do active landfills.

SAN DIEGO AIR POLLUTION CONTROL DISTRICT

The San Diego Air Pollution Control District has proposed rules which require all landfills that are greater than one acre to install gas monitoring systems.

The District proposes to establish specific emissions standards. Landfills which exceed the threshold values will be required to add gas control systems. In addition, those landfills that exceed the standards by a "wide margin" will be required to perform health risk assessments.

MONTEREY COUNTY AIR POLLUTION CONTROL DISTRICT

The Monterey County APCD has not promulgated any rules that specifically cover landfills. The APCD staff is considering the possibility of bringing landfills into the stationary source permit process. This is still in the concept stage and no formal rules have been proposed.

On the other hand, the APCD has added two compounds--dichloroethene and 1,1 dichloroethane--to the list of ten compounds that must be tested for under the "Calderon" Solid Waste Assessment Tests that all landfills in California must perform.

SOLID WASTE ASSESSMENT TESTS

Pursuant to Section 41805.5 of the Health and Safety Code (AB 3525, Calderon--1984) all landfills in California must conduct tests to determine the composition of landfill gases and the presence of certain compounds in the ambient air as well as whether there is any off site migration of the landfill gases. After much discussion the rulemakers specified ten compounds that must be tested for.

Additionally, Government Code Section 66796.54 requires the California Air Resources Board to report to the Legislature by January 1, 1990 on "the extent of hazardous waste in solid waste disposal sites and the potential effects these hazardous wastes may have upon the ambient air quality of the state." In the preparation of this report the Air Resources Board will review the data collected by the Tests.

RECOMMENDATION:

For information only.