

Final Draft

SAN MATEO COUNTY INTEGRATED WASTE MANAGEMENT PLAN

Summary Plan

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CHAPTER 1

PURPOSE OF THE SUMMARY PLAN AND PLAN GOALS, OBJECTIVES, AND POLICIES

A. INTRODUCTION

The California Integrated Waste Management Act directs counties to prepare a Countywide Integrated Waste Management Plan. This plan consists of the Source Reduction and Recycling Elements (SRREs), the Household Hazardous Waste Elements (HHWEs), and the Nondisposal Facility Elements (NDFEs) of each jurisdiction, the Countywide Siting Element, and the Countywide Integrated Waste Management Summary Plan.

The Countywide Integrated Waste Management Summary Plan, or Summary Plan, shall, according to the statute:

. . .include a summary of significant waste management problems facing the county or city and county. The plan shall provide an overview of the specific steps that will be taken by local agencies, acting independently and in concert, to achieve the purposes of this division [of the law]. The plan shall contain a statement of the goals and objectives set forth by the countywide task force. . .(Public Resources Code (PRC) Section 41751).

The purpose of the Summary Plan is to summarize and integrate all of the elements of the countywide integrated waste management planning process. As detailed in the regulations governing preparation of the Countywide and Regionwide Integrated Waste Management Plan (Title 14, Chapter 9, Article 6.6), this integration is achieved in several ways. First, by establishing countywide goals and objectives for countywide integrated waste management planning, and an administrative structure for preparing and maintaining the Summary Plan. Second, integration is achieved by describing the current system of solid waste management in the county, and detailing the significant waste management factors affecting the county. Third, integration is achieved by summarizing the programs and facilities selected for implementation in the planning documents of the individual jurisdictions. Fourth, integration is achieved by considering whether any programs or facilities should be implemented on a Countywide basis, and if so, how such programs will be structured, designed, financed, and administered.

San Mateo County and its twenty incorporated cities have all prepared and adopted their SRREs, HHWEs, and NDFEs. The CIWMB has approved all of these documents. The County and fifteen of the cities prepared a joint SRRE and HHWE. These documents set out nearly identical programs and schedules for the participating jurisdictions to achieve the 25% and 50% diversion goals. The remaining five cities prepared individual documents. Three of these cities used the same consultant for preparing their documents, and consequently their documents share similar

format and program selection. The remaining two cities prepared their documents independently. Negative Declarations were used for CEQA compliance for all of the SRREs and HHWEs.

All of the jurisdictions, with the exceptions of San Bruno and Pacifica, share a joint NDFE. NDFEs are statutorily exempt from CEQA compliance.

**TABLE 1-1
SAN MATEO COUNTY SRREs AND HHWEs**

Jurisdiction	Documents Prepared By
Joint Document Atherton, Belmont, Burlingame, Colma, Daly City, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Portola Valley, Redwood City, San Carlos, San Mateo, Woodside, San Mateo County	Brown, Vence & Associates
Individual Documents Brisbane Millbrae Pacifica San Bruno South San Francisco	EBA Wastechologies EBA Wastechologies Daniel T. Sicular, Ph.D. R.W. Beck and Associates EBA Wastechologies

SOURCE: SRREs and HHWEs

This Summary Plan and the Countywide Siting Element complete the San Mateo County Countywide Integrated Waste Management Plan.

The Summary Plan is intended to fulfill the requirements of the statute and regulations, and to provide a blueprint for regional cooperation that will facilitate implementation of San Mateo County's integrated waste management system. Information that serves as a basis for program summary and development is derived from the adopted SRREs, HHWEs, and NDFEs of San Mateo County and its cities.

The remainder of this chapter presents the goals, objectives, and policies for guiding the transition to an integrated waste management system in San Mateo County. The goals, objectives, and policies are derived from the SRREs and HHWEs of the County and the cities, and are constituted here to reflect the spirit of interjurisdictional cooperation inherent in the Countywide planning process. The goals present our vision of a future integrated waste management system. The objectives are established to provide a gauge for measuring progress toward achievement of

the goals. The policies provide a framework for developing programs that will achieve the stated goals and objectives.

B. GOALS

San Mateo County and its twenty incorporated cities hereby establish the following goals for the development and implementation of an integrated waste management system in San Mateo County:

1. In order to help ensure the sustainability of the economy, the environment, and the quality of life in San Mateo County for present and future generations, and to conserve natural resources and landfill capacity, the jurisdictions of San Mateo County seek to reduce solid waste generation to the maximum practical extent. In the near term, the goal is to meet the diversion mandates of AB 939 (i.e., to divert 25% of generated waste by the year 1995, and 50% by the year 2000) through a combination of source reduction, recycling, yard waste recycling, and composting, by the year 2000.
2. The jurisdictions of San Mateo County seek to achieve source reduction to the maximum practical extent. In the near term, the goal is to achieve at least 2% in diversion through source reduction as quickly as possible, and at least 5% by the year 2000.
3. People who live, work, and own businesses throughout San Mateo County will take personal responsibility for reducing and diverting the wastes they produce.
4. The generation of household hazardous wastes will be reduced to the maximum practical extent through a reduction in the use of hazardous products by residents and businesses.
5. All residents of San Mateo County and its cities should have access to a program that safely and effectively disposes of household hazardous wastes.
6. The generation of special wastes will be reduced to the maximum practical extent.
7. San Mateo County seeks to have strong local markets for reused, recycled, and composted products.

C. OBJECTIVES

The Cities and the County will work together and individually to meet the following objectives:

1. Document progress toward achievement of the 25% and 50% diversion rates.
2. People who live, work, and own businesses throughout San Mateo County will more fully understand and appreciate the importance of integrated waste management concepts, as well as the availability of diversion programs.
3. Increase awareness and participation in established and new source reduction, reuse, recycling, yard waste recycling, composting, and HHW programs by residents, businesses, and institutions, including non-English speaking populations.
4. Develop local markets for recovered materials by encouraging more value-added processing and recycled product manufacturing.

5. To expand and strengthen local markets for reused, recycled, and composted products, modify the purchasing practices of governmental agencies, encourage modification of purchasing practices of individuals, businesses, and institutions, and foster the development of businesses that repair, refurbish, and sell second-hand goods, and that use recovered materials as feedstock for the manufacture of new products.
6. Since recycling and composting programs form key components of the diversion plans of all San Mateo County jurisdictions, the cities and County seek high participation in these programs to achieve their diversion goals.
7. Increase diversion programs in the commercial sector, with focus on large solid waste generators.

D. POLICIES

The cities and the County have established the following Countywide policies for providing a programmatic framework for achieving the goals and objectives stated above:

1. The cities and the County shall work together to implement an integrated waste management system that gives highest priority to the reduction of waste at the source, and secondary priority to the recycling of waste materials, including yard waste. Those materials which cannot be reused, recycled or composted shall be landfilled in an environmentally safe and effective manner.
2. The implementation of the integrated waste management system shall be a joint effort of the incorporated cities, the County, private sector integrated waste management service providers, and the residents, businesses, and institutions of San Mateo County.
3. The integrated waste management system will be comprised of effective, efficient source reduction, recycling, composting, and special waste programs that address local problems and factors.
4. For those special wastes that are generated, the goal will be to maximize diversion through recycling and composting, where technically and economically feasible, and to safely dispose of special wastes that cannot be source reduced or diverted.
5. The cities and the County will seek means of cooperating on the development, implementation, and monitoring of new diversion programs.
6. The cities and County will seek to develop and share information about waste streams and program participation rates that will allow them to target diversion efforts.
7. The cities and the County will work together to ensure that any new diversion facilities are appropriately sized, designed, and sited, in order to avoid duplication of effort, unnecessary expenditure of funds, and environmental degradation, and so that the specific integrated waste management needs of each jurisdiction are met.
8. The cities and the County will encourage residents, businesses, and institutions to purchase recycled-content products and recyclable, reusable, repairable, durable, and otherwise waste-minimizing products with minimum packaging, and will serve as models by

- purchasing recyclable, reusable, repairable, durable, and recycled-content products with minimum packaging.
9. The cities and the County will work together to encourage residents to reduce their use of hazardous products and the generation of household hazardous wastes; to make recycling of motor oil, latex paint, automotive batteries, and antifreeze as convenient as possible; and to ensure that all residents have access to a means of properly disposing of other household hazardous wastes.
 10. In order to ensure maximum convenience and high participation rates in diversion programs, residents and businesses will have a choice of diversion program options.
 11. The jurisdictions of San Mateo County shall support and maintain a diverse reuse, repair, and recycling infrastructure.
 12. Private industry can and should play a major role in providing solid waste source reduction, recycling, composting and other solid waste diversion opportunities.

E. IMPLEMENTATION SCHEDULE FOR ACHIEVING OBJECTIVES

Table 1-2 sets out a schedule for achieving the objectives stated above.

TABLE 1-2
IMPLEMENTATION SCHEDULE FOR ACHIEVING OBJECTIVES

Objective/Task	Milestone to be Achieved	Date of Implementation	Responsible Agency
1. Document progress toward achievement of 25% and 50% diversion rates			
Implement short-term source reduction, recycling, and composting programs	Diversion rate of at least 25%	By 1995	Cities and Counties are individually responsible for achieving this objective
Implement medium term source reduction, recycling, and composting programs	Diversion rate of at least 50%	By 2000	Cities and Counties are individually responsible for achieving this objective
2. People throughout San Mateo County will more fully understand and appreciate IWM concepts and availability of diversion programs			
Implement education and public information programs	High levels of awareness and participation	Ongoing	Cities and County, working independently and together
Monitor level of awareness of understand and appreciation of IWM concepts; use this information to target additional efforts.	High levels of awareness and participation	Ongoing	Cities and County, working independently and together
3. Increase awareness and participation in diversion programs			
Implement education and public information programs, including multi-lingual programs	High levels of awareness and participation	Ongoing	Cities and County, working independently and together
Monitor participation rates, adjust education and public information programs accordingly	High levels of awareness and participation	Continuously	Cities and County

TABLE 1-2 (Continued)
IMPLEMENTATION SCHEDULE FOR ACHIEVING OBJECTIVES

Objective/Task	Milestone to be Achieved	Date of Implementation	Responsible Agency
4. Develop local markets for recovered materials by encouraging value-added processing and manufacturing			
Encourage start-up businesses to develop manufacturing capacity in appropriate industrial areas	Increase local demand for recycled materials	Ongoing	Cities and County redevelopment agencies and economic development agencies
Encourage existing businesses that use recycled materials to relocate to appropriate locations in San Mateo County	Increase local demand for recycled materials	Ongoing	Cities and County redevelopment agencies and economic development agencies
Encourage existing manufacturing businesses within San Mateo County to use recycled materials as feedstocks.	Increase local demand for recycled materials	Ongoing	Cities and County redevelopment agencies and economic development agencies
5. Modify purchasing practices of governmental agencies			
Increase local government agencies' use of recycled and reused products	Increase local use of recycled products	Ongoing	Cities and County, working independently and jointly
Encourage residents, businesses, and institutions to purchase recycled and reused products	Increase local use of recycled products	Ongoing	Cities and County, working independently and jointly
6. Seek high participation in recycling and composting programs			
Implement planned education and public information programs	Encourage increased participation in recycling and composting programs	Ongoing	Cities and County, working independently and jointly
Monitor program participation. Monitor effectiveness of EPI programs. Target under-achieving populations with additional EPI efforts, or adjust program designs to meet needs of under-achieving populations.	Develop more effective EPI efforts and recycling and composting programs	Ongoing	Cities and County, working independently and jointly

TABLE 1-2 (Continued)
IMPLEMENTATION SCHEDULE FOR ACHIEVING OBJECTIVES

Objective/Task	Milestone to be Achieved	Date of Implementation	Responsible Agency
<p>7. Increase diversion programs in commercial sector with focus on large generators</p> <p>Fully implement commercial recycling, composting, and source reduction programs specified in the SRREs</p>	<p>Increase availability and scope of programs serving commercial sector</p>	<p>Ongoing</p>	<p>Cities and County, working independently and jointly</p>
<p>Focus program outreach and design on large commercial generators</p>	<p>Increase participation of large generators in diversion programs</p>	<p>Ongoing</p>	<p>Cities and County, working independently and jointly</p>

CHAPTER 2

COUNTY PROFILE AND PLAN ADMINISTRATION

A. INTRODUCTION

This chapter includes a general, descriptive summary of the geography, demography, and economy of San Mateo County, a description of how integrated waste management is administered in San Mateo County, and identification of the entities responsible for administering and implementing this Countywide Integrated Waste Management Plan. This chapter is written to comply with CCR Section 18757.3.

B. DESCRIPTION OF SAN MATEO COUNTY

PHYSICAL GEOGRAPHY

The topography of San Mateo County is extremely varied, with elevations ranging from sea level to 2,572 feet atop the Santa Cruz Mountains. This mountain range, running in a north-south direction, divides the county into two distinct regions, the Bayside and the Coastside. Much of the Bayside consists of mudflats, marshes, artificial fill, and broad, flat, alluvial plains. This region merges into the gently rolling Bayside foothills. The San Andreas Fault parallels the Santa Cruz Mountain Range, demarcating the end of the Bayside Foothills and the beginning of the mountain range.

The topography of the Santa Cruz Mountains is rugged, with densely forested slopes often exceeding 50%, particularly on the western side of the range. Skyline Ridge, which forms the crest of the mountains, is fairly level and grass-covered, and provides a number of spectacular views of the Ocean and the Bay.

Coastside topography ranges from gently sloping foothills abutting the western face of the Santa Cruz Mountains to broad, nearly level coastal terraces. A number of streams bisect the Coastside foothills and the coastal terraces. The shoreline ranges from wide, sandy beaches to rocky coves and steep cliffs.

San Mateo County enjoys dry, mild summers and moist, cool winters. Temperatures are strongly influenced by the Bay, the Pacific Ocean, and the Santa Cruz Mountains. This combination of features has resulted in a variety of microclimates throughout the county, with hill and ridge top areas, valley floors, and coastal areas each experiencing different temperature and precipitation patterns.

POLITICAL DIVISIONS

The seat of San Mateo County is Redwood City. There are twenty incorporated cities in San Mateo County. Most of the cities and most of the population in the county are located on the Bayside. The Bayside cities, from north to south, are Daly City, Brisbane, Colma, South San Francisco, San Bruno, Millbrae, Burlingame, Hillsborough, San Mateo, Foster City, Belmont, Redwood City, San Carlos, Atherton, Menlo Park, East Palo Alto, Woodside, and Portola Valley. The incorporated cities on the Coastside are Pacifica and Half Moon Bay. There are, in addition, several unincorporated communities. These include, on the Bayside, Broadmoor, Burlingame Hills, Highlands/Baywood, Devonshire, Emerald Lake Hills, North Fair Oaks, Sequoia Tract, West Menlo Park, Menlo Oaks, Los Trancos Woods, Vista Verde, and Ladera. Coastside unincorporated communities include Montara, Moss Beach, El Granada, San Gregorio, Loma Mar, and Pescadero. La Honda is nestled in the mountains. The remainder of the unincorporated area, including most of the mountainous spine of the county and the southern Coastside area, is largely rural.

TRANSPORTATION

The highway system in San Mateo County consists of interstate and state highways, county roads, and local streets. Major roadways include U.S. 101; Interstate 280, and 380; State Highway Routes (SR) 1, 35 (Skyline Blvd.), 82 (El Camino Real), 84 (La Honda/Woodside Road), and 92. San Mateo County is connected to the East Bay by the San Mateo/Hayward Bridge and the Dumbarton Bridge. The roadway system is heavily congested, especially during peak commute hours. Many of the East/West roadways are steep and curvy as they traverse the Santa Cruz Mountain range. San Francisco International Airport is located in an unincorporated area east of Highway 101. The County also operates two general aviation airports, located just north of Half Moon Bay and in San Carlos. Caltrain Peninsula Rail Service runs commuter trains along the county's sole operating rail line, connecting the Bayside to both Santa Clara County to the south and San Francisco to the north. BART currently runs to Daly City and Colma, and an extension of its line to San Francisco International Airport is under construction. The San Mateo County Transit District (SamTrans) provides local and express bus service throughout San Mateo County, and into both San Francisco and Santa Clara County. The Port of Redwood City, located in Redwood City, is a deep water port used mostly for shipment of dry bulk commodities, including scrap metal, cement, petroleum products, and salt.

DEMOGRAPHY AND SOCIAL CHARACTERISTICS

The estimated total population of San Mateo County in 1995 was 687,500, with the population projected to increase to 729,500 in the year 2000, 757,100 in 2005, 772,300 in 2010, and 786,800 in 2015 (ABAG, 1997). These projections indicate a significant slowing in growth over the next 15 to 20 years. In terms of population, the largest cities in the county are Daly City and San Mateo, each of which has a population near the 100,000 mark. Countywide, average household size increased from 2.64 to 2.74 persons between 1990 and 1995, and is projected to increase slightly until 2005, then decrease to about 2.80 persons per household in 2015 (ibid).

Currently, the largest age groups by population are 35-44 and 25-34. Projections indicate that by 2010 the largest age group will be 65+. (ABAG, 1995). The California Department of Finance estimates the county population's ethnicity as 56% white, 20% Hispanic, 19% Asian or Pacific Islander, 5% black, and less than 1% Native American. (Department of Finance, 1997).

EMPLOYMENT AND MAJOR INDUSTRIES

In 1995, San Mateo County had approximately 318,350 jobs. The county's job base is comprised of manufacturing and wholesale (19%), agriculture and mining (1%), retail (17%), service (33%), and other (including construction, transportation, communications, utilities, financial, insurance, real estate, and government) jobs (30%). San Mateo is expected to gain in manufacturing, retail, service, and other employment between 1995 and 2000, with losses in agriculture and mining. Total employment is expected to grow by 14 percent during this time. Between 2000 and 2015, the county is expected to add nearly 50,000 new jobs, with gains and losses in the same sectors as during the previous five years. Approximately 46 percent of the county's increase in employment between 1995 and 2015 is expected to occur in two sectors: transportation and business services. A significant portion of this increase is projected to occur at the San Francisco International Airport. Additional areas of high growth are in Redwood City and East Palo Alto. The mean household income in San Mateo County in 1995 was \$77,900. This is expected to increase to \$86,800 in 2000 and to \$110,800 in 2015 (ABAG, 1997).

HOUSING

In 1995, San Mateo County had an estimated 246,460 households. An additional 29,760 households are expected by 2015. ABAG projects a deficit of about 3,060 housing units between the forecast for additional household in 2020 and the number of potential units currently allowed by local government (ABAG, 1997).

C. GOVERNMENTAL INTEGRATED WASTE MANAGEMENT STRUCTURE AND PLAN ADMINISTRATION

This section describes the administrative structure for integrated waste management in San Mateo County as of February, 1998.

1. Each city in the county is responsible for preparation of their own SRRE, HHWE, and NDFE, and for planning, implementation, and monitoring of programs and facilities selected in their own planning documents, including public information, budgeting, implementation of a solid waste management program, and administration (such as maintenance, revisions, and coordination of Plan-related documents). The County has these responsibilities for the unincorporated area. The County and fifteen of the cities (see Chapter 1) chose to prepare a joint SRRE and HHWE. The County and all of the cities except Pacifica and San Bruno jointly prepared an NDFE.
2. Implementation of the SRREs, HHWEs, and NDFEs is ultimately the responsibility of each city; and of the County for the unincorporated area. However, eleven jurisdictions and

one Sanitary District – Atherton, Belmont, Burlingame, East Palo Alto, Foster City, Hillsborough, Menlo Park, Redwood City, San Carlos, the City of San Mateo, San Mateo County, and the West Bay Sanitary District, are signatories to the South Bayside Transfer Station Authority (SBTSA), a joint powers authority. The SBTSA was formed to ensure that the South Bayside Transfer Station maintains an adequate waste stream and revenue source, and to provide joint oversight of Browning Ferris Industries' collection and transfer operations. The SBTSA is not a regional agency, nor does it have franchising authority. The SBTSA board, which is comprised of staff representatives of each member agency, conducts rate reviews, negotiates franchise agreements, and evaluates services provided to SBTSA member agencies. Recently, the SBTSA contracted with San Mateo County to provide staff services to implement, coordinate, and monitor diversion programs within the SBTSA area. The County has hired a full-time SBTSA Recycling Programs Manager to provide this function.

3. Private sector entities own and operate most of the solid waste and diversion facilities in San Mateo County, with the exception of the Pescadero Transfer Station, which is owned by the County, and the Mussel Rock Transfer Station, which is owned by the City of Daly City. BFI owns the Ox Mountain Landfill, and the South Bayside Integrated Facility; South San Francisco Scavenger Company owns the Blue Line Transfer Station; San Bruno Garbage Company, a subsidiary of NorCal Waste Systems, owns the San Bruno Transfer Station. The Hillside Landfill is owned by Amloc Companies Inc., and Cypress Abbey Co. The Pescadero Transfer Station is operated by BFI under an agreement with the County. The Mussel Rock Transfer Station is operated by BFI under an agreement with the City of Daly City.
4. Each city council and the County Board of Supervisors appoints a representative to the City-County Association of Governments (CCAG). CCAG addresses issues of Countywide concern, including transportation and integrated waste management. CCAG also functions as the County's Local Task Force (LTF), as required by AB939. CCAG has formed the Solid Waste Advisory Subcommittee (SWAC) to advise the CCAG on matters of interest to the LTF. The subcommittee includes CCAG board members, as well as representatives of the public, interested environmental organizations, and the solid waste industry. Recommendations must be acted on by the full CCAG Board. Acting as the LTF, the CCAG reviewed and commented on the SRREs, HHWEs, NDFEs, and on the Siting Element and this Summary Plan.
5. Each city franchises solid waste collection services within its own borders (see Chapter 3). The County franchises solid waste collection in the North Fair Oaks area. The El Granada Sanitary District, the Montara Sanitary District, and the West Bay Sanitary District franchise solid waste collection within their service boundaries.
6. The County Health Services Agency, Division of Environmental Health Services serves as the Local Enforcement Agency (LEA) for the entire county. The LEA reviews solid waste facility plans, writes solid waste facility permits, and performs periodic site reviews prior to submitting documents to the CIWMB.
7. The County Department of Public Works staff are responsible for the preparation of the Countywide Summary Plan and Siting Element. The Local Task Force oversees the preparation of these documents. It is anticipated that plan-related functions including public information, budgeting, implementation of Countywide diversion programs, and Plan administration (such as maintenance, revision, and coordination of Plan-related documents) will be the responsibility of the County's Department of Public Works.

8. The County Division of Environmental Health Services administers the County's household hazardous waste programs. These include scheduling and holding periodic collection events, and educating the public regarding the need to reduce, recycle, and properly dispose of household hazardous wastes. In addition, the cities and the SBTSA promote the reduction, recycling, and safe disposal of household hazardous wastes.

CHAPTER 3

DESCRIPTION OF CURRENT SOLID WASTE MANAGEMENT PRACTICES

A. INTRODUCTION

This chapter describes existing integrated waste management practices in San Mateo County, including how and where refuse is collected, transferred, and disposed or diverted from disposal. This chapter includes a description of each permitted solid waste facility and of major, unpermitted diversion facilities located within the County, as well as a summary of Countywide market development efforts. The chapter ends with a description of the major solid waste issues facing the jurisdictions of San Mateo County.

B. CURRENT SYSTEM OF COLLECTION, REMOVAL AND DISPOSAL OF SOLID WASTE

1. SERVICE AREAS

The county's service areas, defined as the boundaries of jurisdictional authority over integrated waste management, are contiguous with the boundaries of the individual jurisdictions. The exception to this rule is within the unincorporated area, where the County and several sanitary districts have established franchise areas for several unincorporated communities.

2. ORGANIZATION OF SERVICES

Solid waste and recycling services in San Mateo County are provided by eight private companies. Within each of the cities, residential waste collection is exclusively franchised. Several of the cities also grant exclusive franchises for commercial solid waste collection, and a few franchise debris box services as well. In the unincorporated areas, two sanitary districts in the north Coastside area and one in the Menlo Park/Portola Valley area franchise solid waste collection. The County itself franchises collection in the North Fair Oaks area. In other unincorporated areas of the county, services are unfranchised, and all service providers are free to offer services. Despite this freedom, in most of the unincorporated communities waste collection is dominated by a single service provider (see Table 3-1 and Figure 3-1).

Typically, solid waste is collected from residences using rear-loading packer trucks. In most of the cities waste is collected from backyards. In several cities, residents have the option of having their refuse collected at the curb, or, for an extra charge, of having their refuse collected from another location on their property (see Table 3-2). In most of the County, residential collection

**TABLE 3-1
ORGANIZATION OF SOLID WASTE MANAGEMENT IN SAN MATEO COUNTY**

Service Provider/ Jurisdiction	Franchise	Transfer Station	Landfill	Notes
BFI of Daly City				
Daly City Colma	Exclusive for residential and commercial wastestreams; debris boxes not franchised	Mussel Rock Transfer Station	Ox Mountain	
Unincorporated Broadmoor	Not franchised; however, BFI offers service to Broadmoor customers under agreement with Daly City	Mussel Rock Transfer Station	Ox Mountain	
BFI of San Mateo				
Atherton, Belmont, Burlingame, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Redwood City, San Carlos, San Mateo, unincorporated North Fair Oaks, unincorporated West Menlo, unincorporated Menlo Oaks	Exclusive for residential and commercial wastestreams; non-exclusive franchises for debris boxes.	South Bayside Transfer Station; Half Moon Bay wastes direct-hauled to Ox Mountain	Ox Mountain	
Unincorporated Emerald Lake Hills, Palomar Park, Devonshire, Harbor Industrial, Burlingame Hills, <i>Skypine</i> San Mateo Highlands, Sequoia Tract	Not franchised	South Bayside Transfer Station	Ox Mountain	Los Altos Garbage also offers service in Emerald Lake Hills and Palomar Park.
Unincorporated southern Coastside (Pescadero, San Gregorio, La Honda, Loma Mar)	Not franchised	Pescadero Transfer Station or direct haul	Ox Mountain	

(Continued)

TABLE 3-1 (Continued)
ORGANIZATION OF SOLID WASTE MANAGEMENT IN SAN MATEO COUNTY

Service Provider/ Jurisdiction	Franchise	Transfer Station	Landfill				
Coastside Scavenger/Seacoast Disposal							
Pacifica	Exclusive for all wastestreams, including debris boxes	Direct Haul	Residential and commercial materials at Ox Mt.; debris boxes at Hillside.				
Unincorporated north Coastside communities: Montara, Moss Beach, El Granada, Princeton, Miramar	Exclusive franchises granted by El Granada Sanitary District and Montara Sanitary District for all wastestreams, including debris boxes.	Direct haul	Residential and commercial materials at Ox Mt.; most debris boxes at Hillside.				
Green Waste Recovery							
Woodside	Exclusive for residential and commercial wastestreams; debris boxes not franchised.	Direct haul	Ox Mountain				
Surrounding unincorporated areas	Not franchised	Direct haul	Ox Mountain				
Los Altos Garbage Company							
Portola Valley	Exclusive for residential and commercial wastestreams; debris boxes not franchised	Direct haul	Newby Island Landfill (Santa Clara County); some material also going to Ox Mountain.				
Unincorporated Los Trancos Woods, Vista Verde, Emerald Lake Hills, Palomar Park	Not franchised	Direct haul	<table border="0"> <tr> <td>Landfill</td> <td>Notes</td> </tr> <tr> <td>Newby Island Landfill (Santa Clara Co.); some material also going to Ox Mountain.</td> <td>BFI of San Mateo also offers service in Emerald Lake Hills and Palomar Park</td> </tr> </table>	Landfill	Notes	Newby Island Landfill (Santa Clara Co.); some material also going to Ox Mountain.	BFI of San Mateo also offers service in Emerald Lake Hills and Palomar Park
Landfill	Notes						
Newby Island Landfill (Santa Clara Co.); some material also going to Ox Mountain.	BFI of San Mateo also offers service in Emerald Lake Hills and Palomar Park						

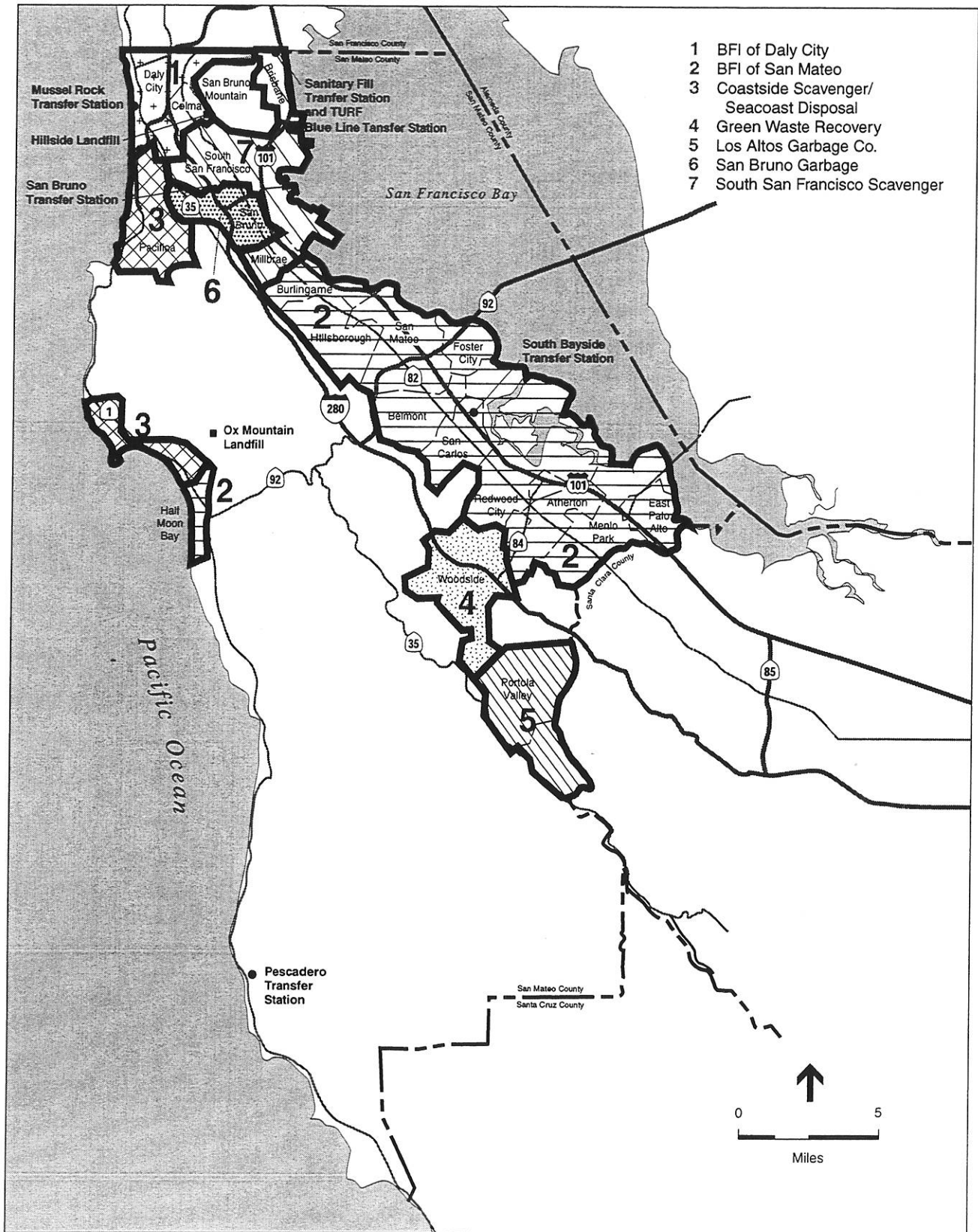
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TABLE 3-1 (Continued)
ORGANIZATION OF SOLID WASTE MANAGEMENT IN SAN MATEO COUNTY

Service Provider/ Jurisdiction	Franchise	Transfer Station	Landfill	Notes
Los Altos Garbage Company (cont.)				
Ladera	Exclusive Franchise granted by West Bay Sanitary District for all wastestreams, including debris boxes	Direct Haul	Newby Island Landfill (Santa Clara County); some material also going to Ox Mountain.	
Peninsula Sanitation				
Stanford Linear Accelerator (Unincorporated area)	Contract with Stanford Linear Accelerator	Direct haul	Newby Island	
San Bruno Garbage Co.				
San Bruno	Exclusive for all wastestreams including debris boxes	San Bruno Transfer Station	Ox Mountain	
San Francisco Jail	Contract	San Bruno Transfer Station	Ox Mountain	
South San Francisco Scavenger Company				
Brisbane Millbrae South San Francisco	Exclusive for residential and commercial wastestreams, including debris boxes.	Blue Line Transfer Station	Ox Mountain	
SFO Airport, California Golf Club, other commercial accounts	Contract	Blue Line Transfer Station	Ox Mountain	

SOURCE: SRREs, service providers, city and County contacts.

is manual; that is, the collectors must manually empty the container into the truck. In Millbrae and San Bruno, however, collection is semi-automated; that is, collection vehicles are fitted with mechanical lifters that lift and empty waste containers. Waste is collected from commercial accounts with rear-loaders, front-loaders, and roll-on/roll-off trucks.



SOURCE: Emcon Associates, Environmental Science Associates

San Mateo County Summary Plan / 970136 ■

Figure 3-1
 San Mateo County
 Solid Waste Service Areas
 and Facility Locations

TABLE 3-2
COLLECTION METHODS FOR RESIDENTIAL REFUSE

Jurisdiction	Can Placement	Can Supplied By	Collection Method
Atherton	Backyard	Customer	Manual
Belmont	Backyard	Customer	Manual
Brisbane	Curbside	Customer	Manual
Burlingame	Backyard	Customer	Manual
Colma	Curbside	Customer	Manual
Daly City	Curbside	Customer	Manual
East Palo Alto	Curbside or Backyard*	Customer**	Manual
Foster City	Backyard	Customer	Manual
Half Moon Bay	Backyard	Customer	Manual
Hillsborough	Backyard	Customer	Manual
Menlo Park	Curbside or Backyard*	Customer**	Manual
Millbrae	Curbside	SSF Scavenger***	Semi-Automated
North Fair Oaks	Curbside or Backyard*	Customer**	Manual
Pacifica	Curbside or Backyard*	Customer	Manual
Portola Valley	Curbside or Backyard*	Customer	Manual
Redwood City	Backyard	Customer	Manual
San Bruno	Curbside	Customer	Semi-Automated
San Carlos	Backyard	Customer	Manual
San Mateo	Curbside or Backyard *	Customer**	Manual
South San Francisco	Curbside	Customer	Manual
Woodside	Curbside or Backyard*	Customer**	Manual
Unincorporated Areas	Most areas have backyard collection; a few (e.g., Unincorporated Menlo Park) have curbside with optional backyard service. Pescadero area residents bring their solid waste to the Pescadero transfer station for disposal.	Customer	Manual

Notes:

*Customers have option of backyard service, at extra cost.

**Customers with curbside service have option of renting wheeled carts from the service provider, at extra cost.

***Millbrae residents are provided with wheeled carts.

SOURCE: Service providers.

Most of the collected waste flows through one of the five transfer stations located in the county (see Figure 3-1). All of the transfer stations, except the San Bruno Transfer Station, also receive a large amount of self-hauled material. This waste is then transferred in long-haul trucks to the Ox Mountain Landfill. Waste from Portola Valley, Woodside, and the unincorporated area of Ladera in the south part of the county and waste from Pacifica and Half Moon Bay and the unincorporated midcoast areas (Montara, El Granada, Moss Beach) is currently hauled directly to Ox Mountain in collection vehicles without consolidation at a transfer station. Additionally, the Ox Mountain Landfill receives a large amount of self-hauled waste. Because the Ox Mountain Landfill is located off highway 92 near Half Moon Bay on the coastside, waste must be transported over highways that are steep, curvy, and congested during peak hours. The use permit for the landfill restricts eastbound refuse truck departures from the landfill between 7:00 and 8:00 a.m. and westbound refuse truck entry to the landfill between 4:00 and 6:00 p.m. during normal working days. However, increasing concern over traffic congestion and air pollution may result in increased interest in minimizing the number of vehicle trips to the landfill.

The solid waste service providers in the county provide recycling collection services. All franchised residential areas, and many unfranchised unincorporated communities enjoy regular curbside collection of a variety of recyclable materials. In addition, most residences in the county now have regular collection of source separated greenwaste. Collection of curbside recyclables is with specialized recycling trucks. Greenwaste is usually collected in rear-loading packer trucks. Most of the service providers have their own recycled materials processing operations, and market their own materials (see Table 3-3). There are no composting facilities in the county that handle municipal greenwaste. Collected greenwaste is either trucked out of the county for composting, or is ground and used for mulch or alternative daily cover at the Ox Mountain Landfill. Two of the transfer stations, Blue Line and South Bayside, separately process and transfer greenwaste.

3. QUANTITY OF SOLID WASTE COLLECTED, AND FINAL DISPOSITION OF WASTES

Table 3-4 indicates the tonnage and volume of solid waste collected from each jurisdiction in 1996. This information is extrapolated from the County's disposal reporting records, and adjusted for salvage that occurs at the Blue Line and Mussel Rock transfer stations, and at the Hillside Landfill. The salvaged tonnage, as reported by each of these facilities, has been credited to the jurisdictions delivering materials to these landfills according to the relative amount of waste material contributed to the facility by each jurisdiction.

Table 3-5 indicates the disposition of solid waste collected. In this table, the total amount collected, as indicated in Table 3-4, is divided into material landfilled, material transformed, and material diverted, as through salvage.

**TABLE 3-3
MATERIALS TRANSPORTATION AND MARKETING STRATEGIES
(BY SERVICE PROVIDER)**

Service Provider/Material	Current Transportation and Storage Methods	Transportation Needs	Marketing Strategy
Browning-Ferris Industries of Daly City			
<i>Daly City Colma Broadmoor (uninc)</i> Solid waste	Solid waste is delivered to Mussel Rock TS; then transferred to long-haul trucks and brought to Ox Mt. Landfill	None identified	Not Applicable
Curbside recyclables	Direct haul to Norcal's TURF facility for processing	None identified	Marketed by West Coast Salvage (Norcal)
Browning Ferris Industries of San Mateo			
<i>SBTBA some uninc</i> Solid Waste	Most solid waste is brought to the South Bayside TS, then transferred to long-haul trucks and delivered to Ox Mt. Landfill. Solid waste from Half Moon Bay is direct-hauled to Ox Mt. BFI also transports materials from Pescadero TS to Ox Mt.	None identified	Not applicable
<i>Atterton Belmont Dunwoody DUPA Foster City Hillsb. MB RC San Carlos SM Uninc W. Fair Uninc W. Menlo Uninc Menlo Oaks</i> Curbside recyclables	Hauled to South Bayside TS	None identified	BFI processes and markets own materials
Green waste	Brought to the South Bayside TS in packer trucks, then transferred to long-haul trucks and delivered to Ox Mt. Landfill. Green waste from Half Moon Bay is direct-hauled to Ox Mt.	None identified	Green waste is ground, not composted. Most of product is currently used as ADC on the landfill. Future plans include marketing for beneficial uses
Coastside Scavenger/Seacoast Disposal Company			
<i>Pacific uninc no. Coastside</i> Solid waste	Direct hauled to Ox Mountain Landfill in packer trucks	None identified	Not applicable

(Continued)

TABLE 3-3 (Continued)
MATERIALS TRANSPORTATION AND MARKETING STRATEGIES
(BY SERVICE PROVIDER)

Service Provider/Material	Current Transportation and Storage Methods	Transportation Needs	Marketing Strategy
Coastside Scavenger/Seacoast Disposal Company (cont.)			
Debris boxes	Loads consolidated at Palmetto Ave. facility, then hauled to Hillside Landfill. Salvaged materials marketed with other recyclables	None identified	Materials salvaged at Hillside Landfill marketed by Landfill
Curbside recyclables	Materials consolidated at Palmetto Ave. facility, then hauled to Norcal's TURF facility for processing	None identified	Materials marketed by West Coast Salvage (Norcal).
Green waste	Direct hauled to Ox Mountain Landfill in packer trucks	None identified	Mulch used primarily as ADC at Ox Mt. Landfill
Green Waste Recovery			
<i>Woodside</i> Solid Waste	Direct haul to Ox Mountain Landfill	None identified	Not applicable
Curbside recyclables	Direct haul to Green Waste Recovery facility in San Jose	None identified	Green Waste Recovery markets own materials direct to end users or through brokers
Green waste	Direct haul to Zanker Road Compost Facility	None identified	Yard debris is composted and marketed primarily to large agricultural users. Compost also offered free to residents
Los Altos Garbage Company			
<i>RV Ladera</i> Solid Waste	Direct haul to Newby Island Landfill and Ox Mountain Landfill	None identified	Not applicable
Curbside recyclables	Direct haul to Milpitas Recyclery	None identified	BFI markets materials

(Continued)

TABLE 3-3 (Continued)
MATERIALS TRANSPORTATION AND MARKETING STRATEGIES
(BY SERVICE PROVIDER)

Service Provider/Material	Current Transportation and Storage Methods	Transportation Needs	Marketing Strategy
Los Altos Garbage Company (cont.)			
Green Waste	Direct haul to Zanker Road compost facility	None identified	Yard debris is composted and marketed primarily to large agricultural users. Compost also offered free to residents
Peninsula Sanitation			
Solid Waste	Direct haul to Newby Island Landfill (Santa Clara County)	None identified	Not applicable
Curbside recyclables	Source separated materials are hauled to Peninsula Sanitation's yard on Stanford campus, bulked, and shipped to middlemen or end markets.	None identified	Materials are bulked, not compacted, and marketed to middlemen or end users
San Bruno Garbage Co.			
Solid Waste	Hauled to San Bruno Transfer Station, then to Ox Mountain Landfill	None identified	Not applicable
Curbside recyclables	Hauled to San Bruno Transfer Station, then to Western Strategy in San Leandro	None identified	Norcal subsidiary - West Coast Salvage markets materials
Green waste	Hauled to San Bruno Transfer Station, then to Ox Mountain.	None identified	Green waste is ground, not composted. Most of product is currently used as ADC on the landfill. Future plans include marketing for beneficial uses

(Continued)

Stanford
linear
acc.S. Bruno
SF Jail

TABLE 3-3 (Continued)
MATERIALS TRANSPORTATION AND MARKETING STRATEGIES
(BY SERVICE PROVIDER)

Service Provider/Material	Current Transportation and Storage Methods	Transportation Needs	Marketing Strategy	
South San Francisco Scavenger Co. (cont.)				
Brisbane Millbrae SSF Airport Golf Club " "	Solid waste	Hauled to Blue Line Transfer Station, then to Ox Mountain Landfill	None identified	Not applicable
	Curbside recyclables	Source separated materials are hauled to facility on South Linden Avenue for processing, then hauled to market	None identified	South San Francisco Scavenger Co. markets materials directly to end users or through brokers
	Commercial recyclables	Selected loads are brought to Blue Line Transfer Station and processed separately in MRF operation. Separated materials are baled and shipped to market.	None identified	South San Francisco Scavenger Co. markets materials directly to end users or through brokers
	Green waste	Hauled to Blue Line Transfer Station, then to Zanker Road Compost Facility in Santa Clara County	None identified	Zanker Road Compost Facility markets material; some is back-hauled to Blue Line Transfer Station and given away to customers

SOURCE: Service provider and jurisdiction contacts.

C. PERMITTED SOLID WASTE FACILITIES

This section describes the two permitted landfills, the three transfer stations, and the two combined transfer station/material recovery facilities located in the county.

OX MOUNTAIN LANDFILL

Ox Mountain Landfill, located off of Highway 92 in Corrinda Los Trancos Canyon, near Half Moon Bay (see Figure 3-2), is a Class III solid waste disposal site owned and operated by

**TABLE 3-4
QUANTITIES OF SOLID WASTE COLLECTED, 1996**

Jurisdiction	Tons ^a		Cubic Yards ^b	
	Daily ^c	Annual	Daily	Annual
Atherton	2.6	8,291.2	53.1	16,582.4
Belmont	91.1	28,413.2	182.1	56,826.3
Brisbane	24.1	7,516.7	48.2	15,033.4
Burlingame	146.4	45,679.6	292.8	91,359.3
Colma	38.2	11,913.9	76.4	23,827.8
Daly City	288.3	89,949.3	576.6	179,898.6
East Palo Alto	71.0	22,164.4	142.1	44,328.7
Foster City	84.9	26,482.7	169.8	52,965.3
Half Moon Bay	74.7	23,305.7	149.4	46,611.4
Hillsborough	34.4	10,747.4	68.9	21,494.8
Menlo Park	169.3	52,830.8	338.7	105,661.5
Millbrae	110.2	34,367.9	220.3	68,735.9
Pacifica	85.0	26,513.3	170.0	53,026.5
Portola Valley	13.7	4,276.9	27.4	8,553.9
Redwood City	330.5	103,119.5	661.0	206,239.0
San Bruno	164.1	51,192.6	328.2	102,385.2
San Carlos	126.3	39,414.4	252.7	78,828.8
San Mateo (City)	337.5	117,777.3	755.0	235,554.7
San Mateo (County)	200.0	62,398.6	400.0	124,797.1
South San Francisco	404.2	126,114.5	808.4	252,228.9
Woodside	31.2	9,728.9	62.4	19,457.8
TOTAL for San Mateo	2,891.7	902,198.7	5,783.3	1,804,397.4

^a Quantities of solid waste collected taken from actual 1996 disposal values as reported to San Mateo County, and salvage reports from transfer stations and landfills. Includes sewage sludge and exported material.

^b Based on average density of 1,000 lbs per cubic yard.

^c Daily tonnages were calculated based on 6-day operating week, or 312 days per year

SOURCE: San Mateo County Public Works Department, Disposal Reports for 1996; South San Francisco Scavenger Co.; Hillside Landfill: BFI of Daly City.

Browning-Ferris Industries. Ox Mountain receives most of the waste generated in San Mateo County. The facility is permitted to accept 3,598 tons per day, and actually received 2,533.25 tons per day during 1996 (790,375.39 total tons ÷ 312 operating days per year). Permitted waste types include municipal solid waste, dewatered sewage sludge, and autoclaved medical waste. Treated auto shredder waste and ground greenwaste are used as alternative daily cover materials. The facility does not accept untreated medical waste, liquid waste, hazardous waste, or dead animals.

**TABLE 3-5
DISPOSITION OF SOLID WASTE COLLECTED ANNUALLY, 1996**

	Total	Landfill	Transformed	Diverted^b	Exported
Tons per year	902,198.7	869,182.3	5,257.5	17,759.0	10,000.0
Cubic yards per year ^a	1,804,397.4	1,738,364.5	10,514.9	35,517.9	20,000.0
Percent of total	100.0%	96.3%	0.6%	2.0%	1.1%

^a Based on average density of 1,000 lbs per cubic yard.

^b Includes material salvaged at landfills and transfer stations and sewage sludge used as ADC.

SOURCE: San Mateo County disposal reports; reports from landfills and transfer stations.

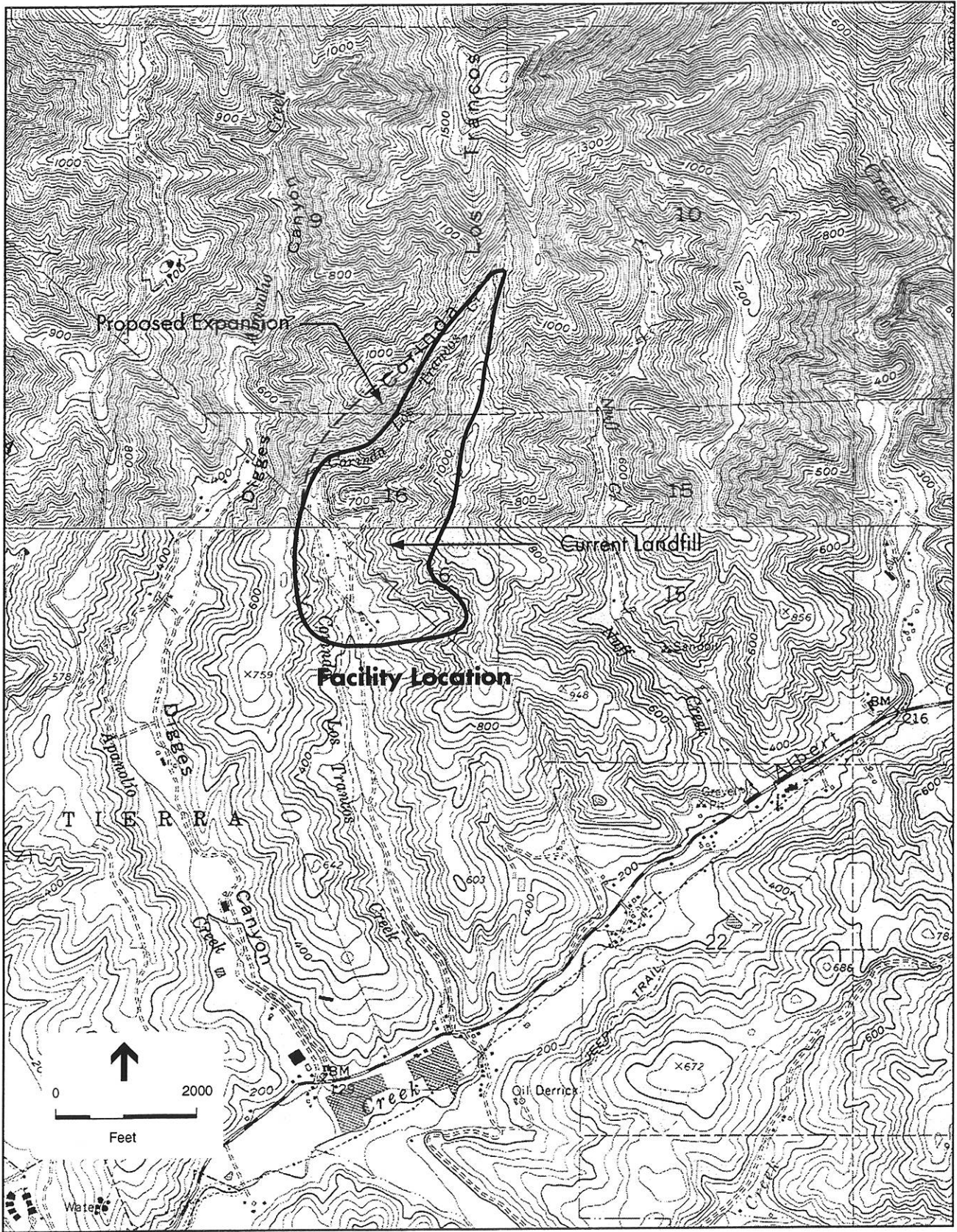
The total permitted design capacity for Ox Mountain is 37.9 million cubic yards. The facility is located on 173 acres. A planned expansion within Corrinda Los Trancos canyon would increase the design capacity by an additional 10.4 million cubic yards, and increase the site to 184 acres.

As of January 1, 1996, the in-place refuse at Ox Mountain consumed 12.3 million cubic yards. Therefore, the remaining capacity without the planned expansion as of that date was 25.6 million cubic yards. With the expansion, the landfill's remaining capacity would be 36 million cubic yards.

BFI operates a wood and greenwaste grinder at Ox Mountain, located on the highest part of the fill. Source separated materials from the South Bayside Integrated Facility, as well as clean loads of wood waste and green waste arriving at the landfill, are delivered to the grinder. Ground material is used on-site as an alternative daily cover, or is sold or given away as mulch. No composting occurs on the site.

HILLSIDE LANDFILL

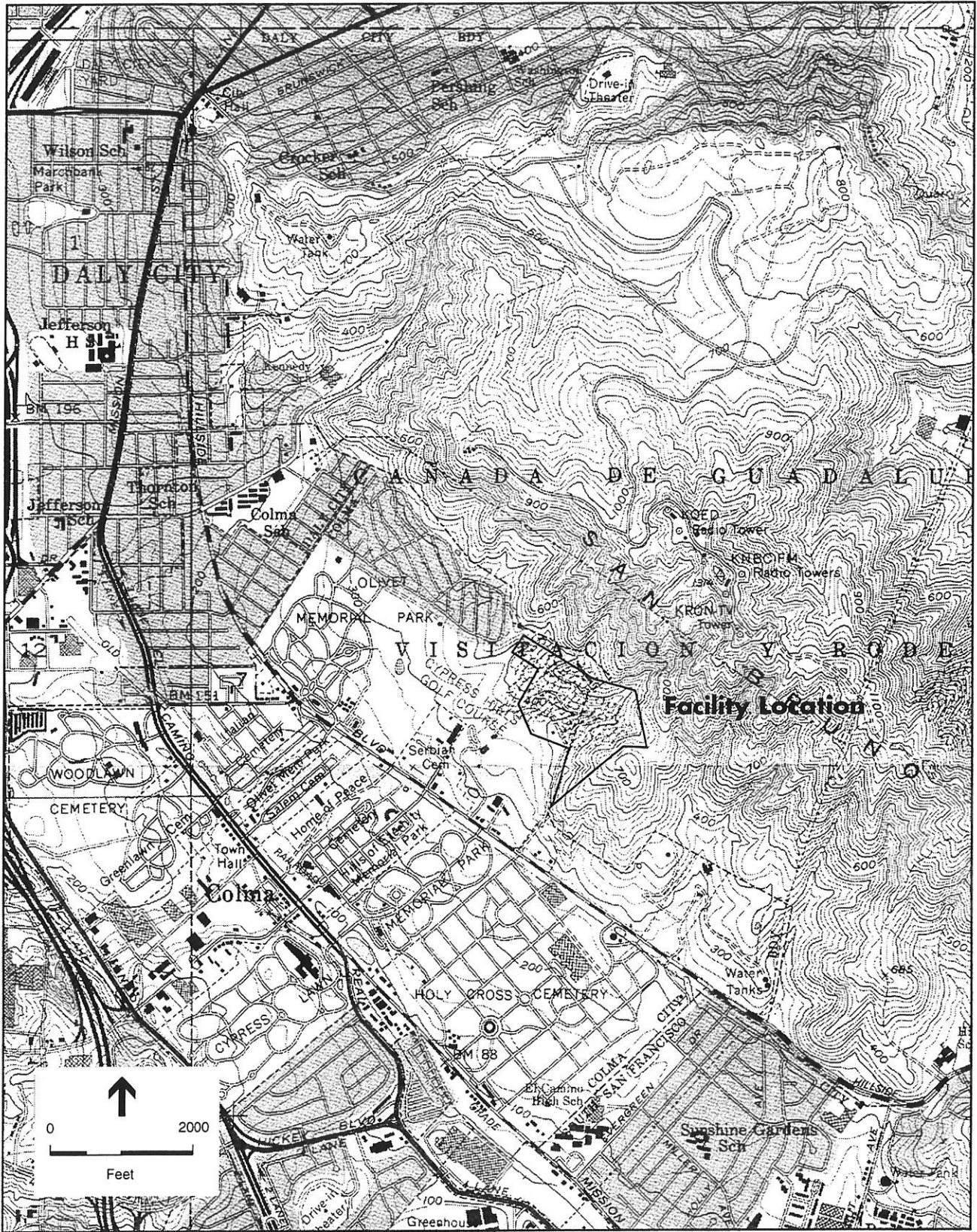
Hillside Landfill is located on Sandhill Road, off of Hillside Boulevard in Colma (see Figure 3-3). A portion of the landfill is in an unincorporated area of the County. Hillside Landfill is owned by Amloc Companies, Inc. and Cypress Abbey Company, and operated by Cypress Amloc Land Company, Inc. Hillside landfill is a Class III solid waste disposal site. The Facility's solid waste facility permit prohibits it from accepting municipal garbage. Most of the material brought to Hillside Landfill consists of construction and demolition waste, residential dry rubbish (not wet garbage), commercial waste (other than food waste), tires, bulky items, and green waste. In 1996, the facility landfilled an estimated 106,688 tons of material. The landfill has no truck scale, and must estimate loads size by volume. Approximately 15% of incoming material is salvaged. Salvaged material includes wood, steel and other metals, bedsprings and mattresses, newspaper, corrugated cardboard, glass, and tires. The majority of the salvaged wood waste is used as fuel. Hillside landfill is located on 45 acres. The design capacity of the fill is 5.5 million tons. The permitted maximum tonnage is 400 tons per day.



SOURCE: Emcon Associates, USGS Quadrangle - Half Moon Bay & Montara Mountain, Environmental Science Associates

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Figure 3-2
Ox Mountain Landfill



SOURCE: Emcon Associates, USGS Quadrangle - San Francisco South

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Figure 3-3
Hillside Landfill

Hillside landfill receives primarily debris boxes and self haul loads. The Landfill reported that in 1996 it received waste from Burlingame, Colma, Daly City, Millbrae, Pacifica, Redwood City, San Bruno, San Carlos, South San Francisco and San Francisco. The owners of the landfill are currently negotiating with San Mateo County and the U.S. Fish and Wildlife Service to determine when the landfill's permit expires on the part of the landfill located in the unincorporated area. The remainder of the landfill is located in the City of Colma, and is expected to operate until it reaches capacity. No future expansions are planned. The owners of the Hillside Landfill submitted draft closure and post-closure maintenance plans to the Local Enforcement Agency in January 1998. These plans are currently under review. The landfill owner plans to construct a "multi-functional solid waste facility" on land adjacent to the site. This facility would include a materials recovery facility and transfer station. However, the Town of Colma City Council has indicated that it may not want to encourage the construction of a Transfer Station/MRF on adjacent land after closure of the Hillside Landfill.

MUSSEL ROCK TRANSFER STATION

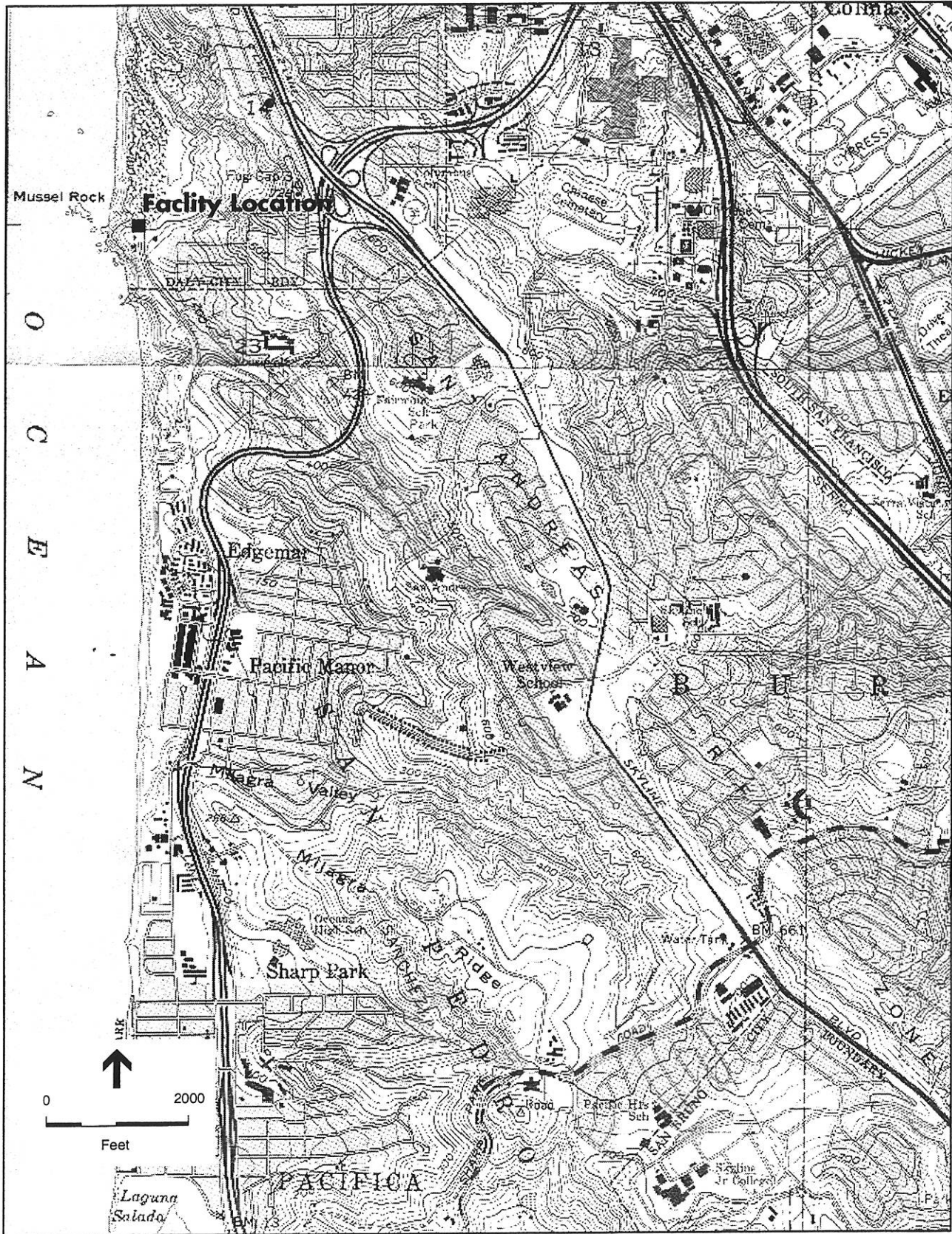
The Mussel Rock Transfer Station is owned by the City of Daly City and operated by BFI of Daly City. It is located at the south end of Skyline Boulevard (see Figure 3-4). The facility is permitted to accept 500 tons per day of refuse. It receives franchise-hauled material from Daly City, Colma, and Broadmoor, as well as commercial and self-haul material from the general public. The facility operator salvages a small amount of material, mostly metal. Salvage in 1995 and 1996 was less than 1% of incoming material.

SAN BRUNO TRANSFER STATION

The San Bruno Transfer Station is located at 101 Tanforan Avenue in the City of San Bruno (see Figure 3-5). It is owned and operated by San Bruno Garbage Company. The facility handles wastes collected from residential and commercial recycling and refuse collection programs in the City of San Bruno and the San Francisco Jail in unincorporated San Mateo County. The station is not open to the general public for solid waste disposal. However, the County Division of Environmental Health Services operates collection events at the station for public drop-off of latex paint and used motor oil. The facility includes three major functions: transfer of refuse from collection trucks to long-haul trucks; bulking and shipping curbside recyclables; and recovery of materials from selected commercial loads. The facility's Solid Waste Facility Permit (SWFP) allows a maximum of 120 tons of waste per day.

PESCADERO TRANSFER STATION

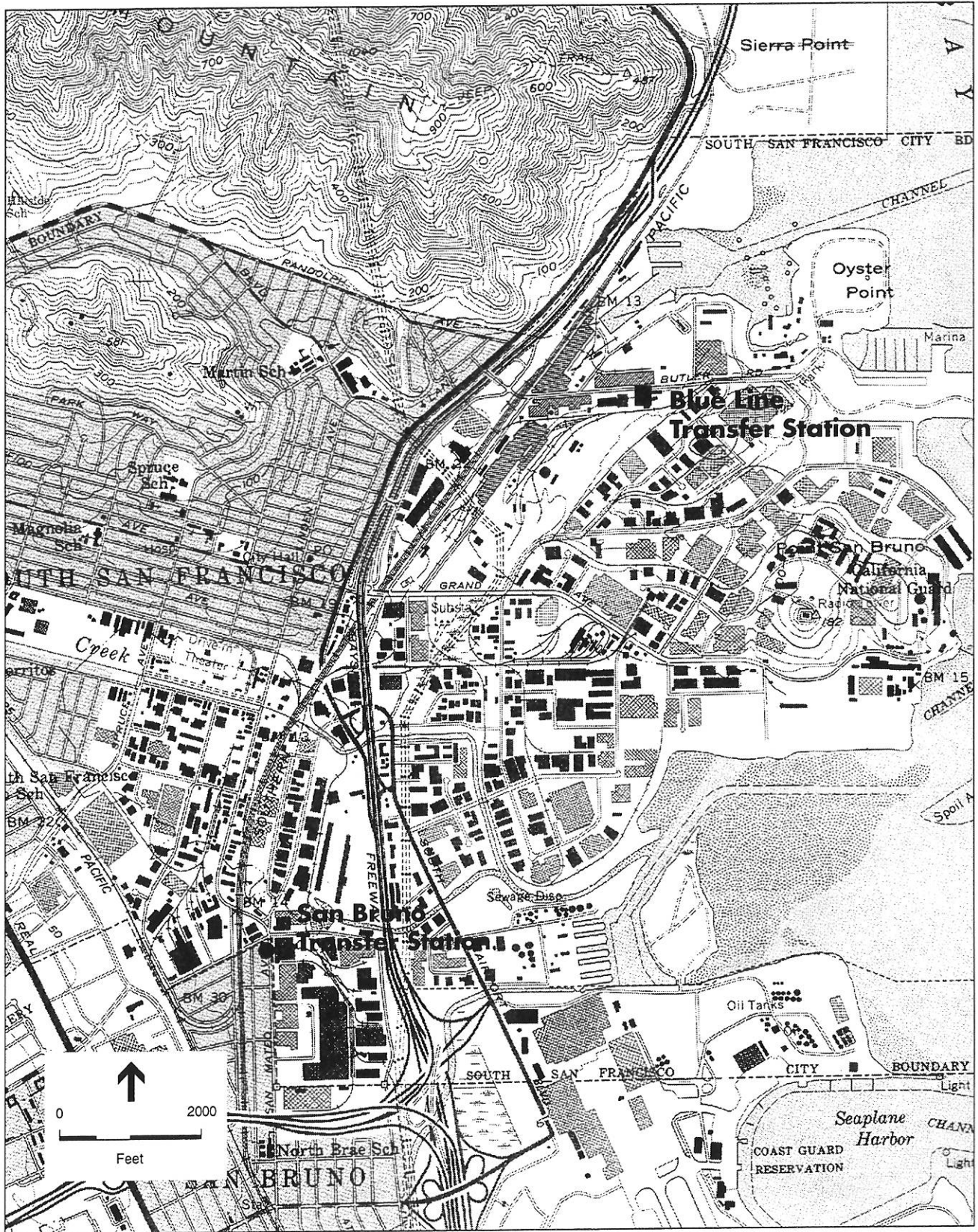
The Pescadero Transfer Station is owned by San Mateo County and operated by BFI of San Mateo. It is a small volume transfer station located at a closed landfill in Pescadero (see Figure 3-6). The facility receives primarily residential refuse, and some recreational and agricultural wastes from the southern coastside area. Loaded containers are hauled to the Ox Mountain Landfill for final disposal. Recyclables and greenwaste drop-off containers are also located at the site for source separated materials. When full, the recyclables containers are



SOURCE: USGS Quadrangle - San Francisco South, Environmental Science Associates

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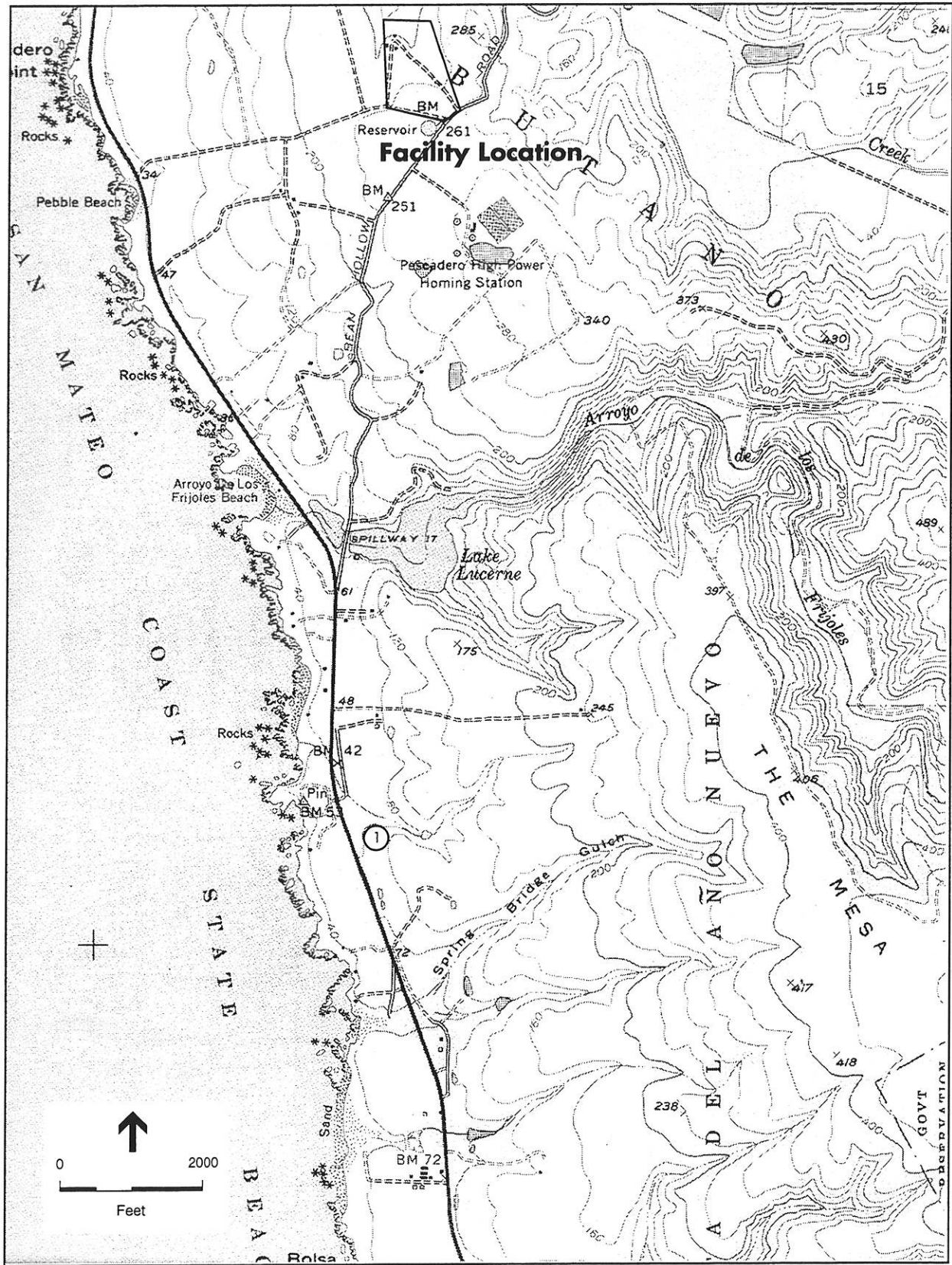
Figure 3-4
Mussel Rock
Transfer Station



SOURCE: 3E Engineering, USGS Quadrangle - San Francisco South, Environmental Science Associates

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Figure 3-5
Blue Line and San Bruno
Transfer Stations



SOURCE: USGS Quadrangle - Pigeon Point, Environmental Science Associates

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Figure 3-6
Pescadero
Transfer Station

transported to the South Bayside Integrated Facility for processing. Wood waste containers are delivered to the Ox Mountain Landfill, while white goods are transported to a scrap metal dealer.

The Pescadero Transfer Station is permitted to accept up to 40 cubic yards of material per day.

D. EXISTING WASTE DIVERSION FACILITIES

The waste diversion facilities listed in this section are those included in the Nondisposal Facility Elements (NDFE) for the City of Pacifica, the City of San Bruno and the Joint NDFE prepared for the remaining San Mateo County jurisdictions. Only permitted solid waste facilities are included in this section. The two facilities listed here are both multi-functional facilities that are used both for recovery and processing of recyclable materials and for the transfer of wastes. For a description of planned and proposed non-disposal facilities, see Chapter 4 of this Summary Plan.

BLUE LINE TRANSFER STATION

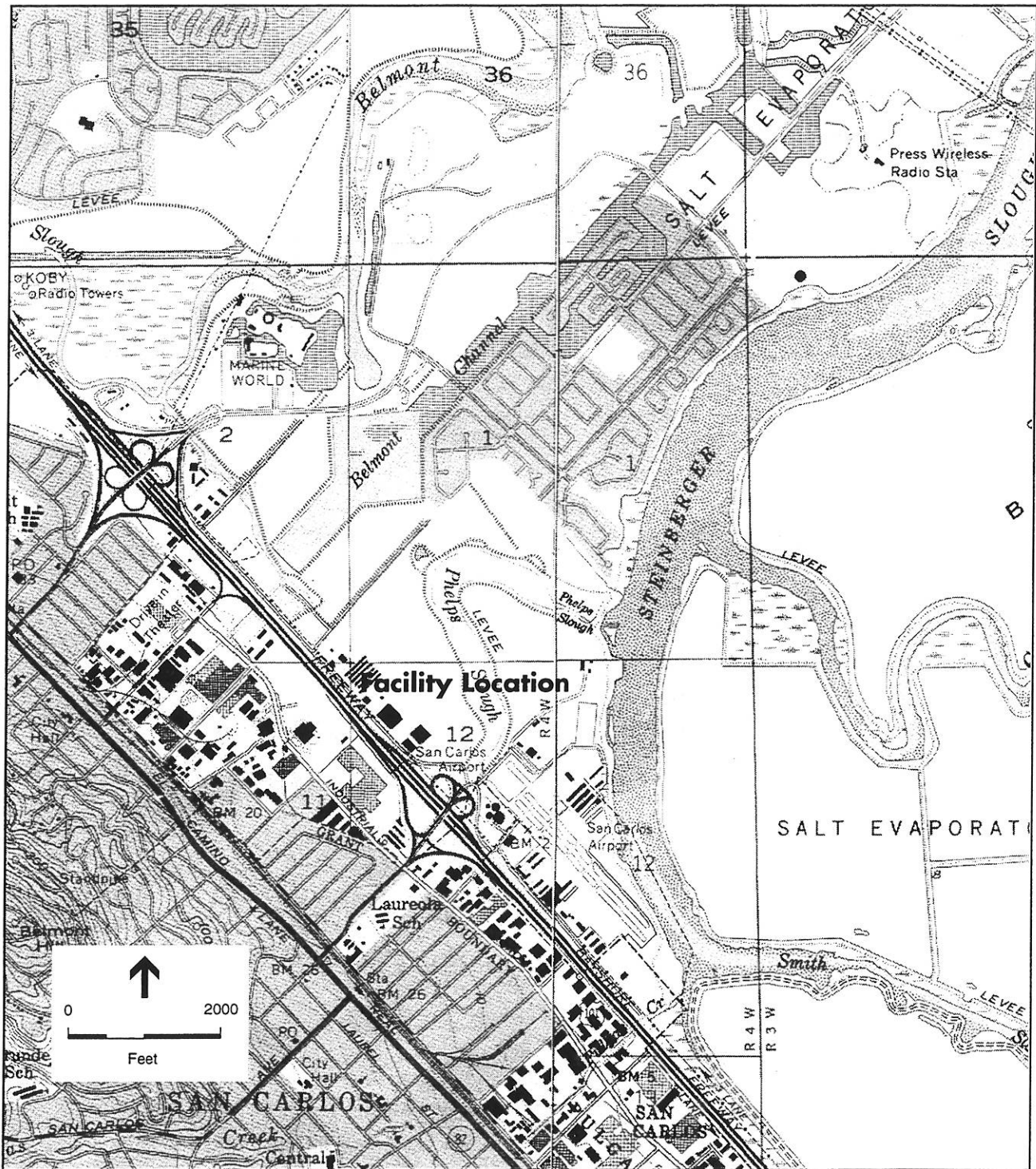
Blue Line Transfer Station is located at 180 Oyster Point Boulevard in South San Francisco (see Figure 3-5). The facility, which is owned and operated by South San Francisco Scavenger Company, receives wastes from residential curbside and commercial collection programs, the general public, and private self-haulers. Participating jurisdictions include the cities of Brisbane, Millbrae, and South San Francisco, the San Francisco International Airport, the California Golf Club, and nearby unincorporated San Mateo County areas. The facility's SWFP indicates that the facility may accept a maximum of 600 tons of waste per day. During 1996, the facility received and transferred 142,664 tons of material.

South San Francisco Scavenger operates a materials recovery facility within the transfer station. Materials are sorted and salvaged from selected commercial loads. Materials recovered include cardboard, beverage containers, office paper, and greenwaste. During 1996, the facility recovered 3,904 tons of recyclables and 5,482 tons of green waste. Additional salvaging activities may be implemented if deemed cost effective and/or if needed to meet the 50 percent diversion goal.

South San Francisco Scavenger intends to build a new integrated facility at another location in South San Francisco. Preliminary plans call for a much larger facility that would allow for transfer, salvage, and processing of source separated and commingled recyclables. Currently, South San Francisco Scavenger processes source separated recyclables at its yard on South Linden Avenue.

SOUTH BAYSIDE INTEGRATED FACILITY

South Bayside Integrated Facility is located at 225 and 333 Shoreway Road in the City of San Carlos (see Figure 3-7). The facility is owned and operated by BFI-San Mateo. It is a Transfer Station/Material Recovery Facility which handles waste and source-separated recyclables received from residential and commercial collection programs, the general public, and from private self-haulers. Jurisdictions using the facility include the cities of Atherton, Belmont, Burlingame, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Portola



SOURCE: USGS Quadrangle - San Mateo & Redwood Point, Environmental Science Associates

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Figure 3-7
 South Bayside
 Integrated Facility

Valley, Redwood City, San Carlos, San Mateo, Woodside and portions of unincorporated San Mateo County. As a general rule, wastes, green waste, and recyclables from each of these jurisdictions are brought to the facility. The facility's SWFP indicates that the facility may accept a maximum of 3,000 tons of waste per day. The facility recovers over five percent of the materials it receives.

The MRF portion of the facility, called "The Recyclery," utilizes sorting lines to separate commingled recyclables and remove contaminants. Separated materials are then baled or otherwise prepared for market. The Recyclery also operates a buy-back and drop-off operation.

At the transfer station, refuse is placed into long-haul trucks and delivered to the Ox Mountain Landfill. Greenwaste collected curbside by BFI-San Mateo is tipped onto a separate area of the transfer station floor and hauled in a separate truck to Ox Mountain for processing. Additional salvaging activities may be implemented if deemed cost effective and/or if needed to meet the 50 percent diversion goal.

TOTAL URBAN RECYCLING FACILITY (TURF)

Norcal Waste System's Total Urban Recycling Facility (TURF) is located at their multi-functional solid waste facility (MFSWF) on Tunnel Avenue, straddling the border between San Francisco City and County and the City of Brisbane in San Mateo County (see Figure 3-8). The TURF receives and processes curbside materials from Pacifica.

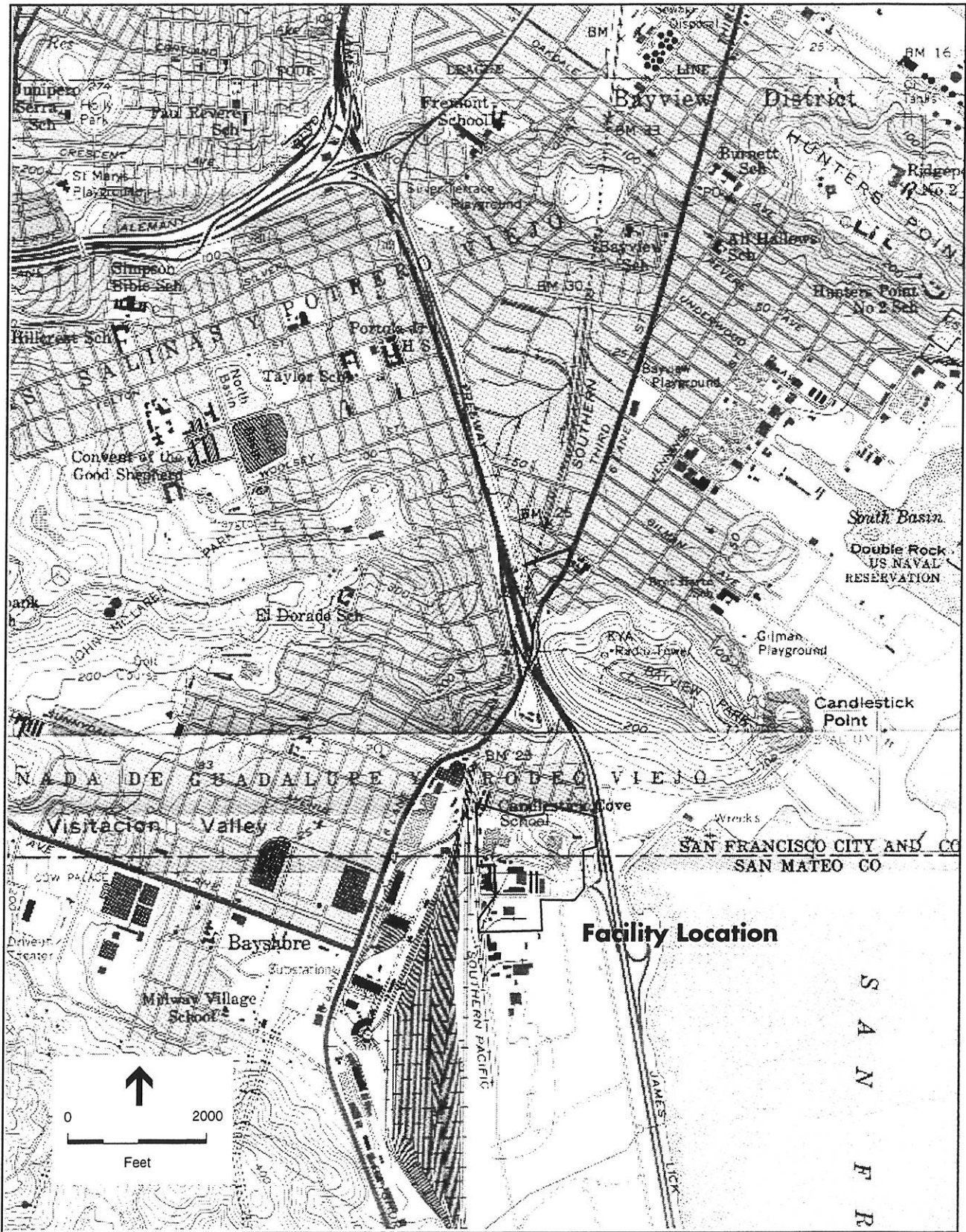
E. EXCLUDED AND EXEMPT FACILITIES

TILLO COMPOSTING FACILITY

The Tillo composting facility is located on land adjacent to the South San Francisco-San Bruno Water Pollution Control Plant in South San Francisco. The facility receives sewage sludge (biosolids) from the Plant, mixes it with rice hulls and sawdust shavings, then places the material in modified windrows. A front loader is used to form and break down the windrows. Finished compost is marketed as a soil amendment. The site has recently received a standardized solid waste facility permit.

CAMPBELL'S SOUP MUSHROOM COMPOST FACILITY

Campbell's Soup Company operates a mushroom growing facility at Pigeon Point, in the southern Coastsides area. The facility receives horse manure and bedding from Bay Meadows Race Track in the City of San Mateo, and composts this material using a windrow process. The compost is used as a growth medium for the mushrooms. Spent mushroom compost is given to residents and landscapers and is spread on land owned by Campbell's Soup Company. Because the compost is considered a necessary part of the mushroom growing process, production of compost is considered an agricultural activity and does not require a permit.



SOURCE: USGS Quadrangle - San Francisco South, Environmental Science Associates

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Figure 3-8

Sanitary Fill

Transfer Station and

Total Urban Recycling Facility

F. MARKET DEVELOPMENT ACTIVITIES

The development of markets to ensure the stability of the integrated waste management system is an important issue facing San Mateo County. The SRREs outlined several market development strategies. Strategies that were broadly selected in the SRREs include:

- Increase government agency procurement of recycled products;
- Attract new recycling and remanufacturing businesses to the county;
- Develop regional, interagency, and cooperative marketing plans and strategies;
- Provide economic incentives and technical assistance;
- Apply for Recycling Market Development Zone status.

In addition, several other market development strategies were selected by one or more jurisdiction (see Table 3-6).

ENCOURAGE MAXIMUM PROCUREMENT OF RECYCLED PRODUCTS

One of the critical areas where the County and the Cities can play a significant role in market development is the active procurement of products made from recycled materials. All of the SRREs specified initiation or expansion of government procurement programs, and several also included encouraging private sector procurement of recycled products. Planned efforts include creation of a procurement ordinance; promoting increased recycled product purchases once procurement policies are in place; monitoring and evaluating recycled product purchases; and providing information to the private sector based upon the successful implementation of government agencies' procurement ordinance and program.

To date, all of the jurisdictions have adopted policies of purchasing recycled-content products, where products are available and competitively priced. All of the cities in the county are participants in procurement programs and in providing information to the private sector. Cities in the county also have the option of purchasing supplies through the County, and thereby enjoying potentially substantial cost savings. The County purchases products and stores them at a warehouse in Redwood City. The County Department of Public Works and the Employee and Public Services Department both coordinate and promote recycled product procurement Countywide.

ATTRACT RECYCLING AND REMANUFACTURING BUSINESSES

The SRREs anticipate that implementation would eventually lead to glutted recycled materials markets. All of the SRREs include plans to attract new businesses that utilize recycled material, in order to help ensure that markets would exist for the material generated. The following methods were outlined in some or all of the SRREs to achieve this goal:

- Identify appropriate waste-based manufacturing businesses and the types of recycled products they might use;

**TABLE 3-6
SUMMARY OF MARKET DEVELOPMENT PROGRAMS IN THE SRREs**

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Procurement Programs						
Increase governmental procurement of recycled products	X	X	X	X	X	X
Encourage private sector procurement of recycled products	X				X	
Encourage residents to purchase recycled content products	X					
Expand existing, attract new recycling industries						
Work with existing mfgs to begin or increase use of recycled feedstocks					X	
Attract traditional, non-traditional recycling industries; develop alternative uses for materials	X	X		X	X	X
Develop Regional and Interagency Marketing Plans and Strategies						
Work with economic development agencies, establish market development committee: multi-jurisdictional sales, long-term contracts, material exchanges.		X	X	X	X	X
Provide Economic Incentives and Technical Assistance						
Economic incentives to attract recycling businesses					X	
Increase processing capacity	X				X	
Maintain data bank for financing information and technical assistance					X	
Encourage use of materials exchanges	X				X	
Apply for RMDZ	X	X			X	X
Market Development for Compost						
Develop compost product specifications					X	
Educational program on beneficial uses of compost		X		X	X	X
Promote government agency procurement of compost		X		X	X	X
Multi-jurisdictional compost marketing cooperative		X		X	X	X
Target compost in RMDZ					X	
Compost demonstration projects and promotional efforts					X	
Use of compost as ADC		X				X
Others						
Stockpile materials until markets improve		X	X	X		X
Modify types of materials collected			X			

- Identify areas for a Recycling Market Development Zone or Zones;
- Attract new businesses that use recovered materials by assisting them in entering into long-term contracts for large quantities of materials;
- Encourage and develop new niche markets for recovered paper, glass, metals, plastics, and other materials.

To date, the San Mateo County Economic Development Corporation (EDC) has provided much of the incentive for attracting new recycling-based manufacturers to the county. The EDC assists interested businesses in identifying potential sites, securing feedstock, and assisting with permitting. The EDC works cooperatively with the cities and with the County in these efforts.

DEVELOP REGIONAL AND INTERAGENCY MARKETING PLANS AND STRATEGIES

All of the SRREs, except Pacifica's, recognized that regional and multijurisdictional cooperative marketing agreements might have benefits in developing and stabilizing markets for collected materials. Some of the strategies for cooperative marketing specified in the documents included the following:

- Establish links with economic development agencies in each jurisdiction;
- Establish a recycling market development committee to approve a market development plan;
- Coordinate multijurisdictional cooperation for recovery and marketing of recycled materials;
- Identify and participate in multijurisdictional MRF contracts;
- Coordinate or sponsor commercial materials exchange opportunities.

The County Public Works Department has established a working relationship with the San Mateo County Economic Development Corporation, and with most of the local economic and community development agencies. They have provided information and assistance in locating recycled materials and local businesses that would utilize them.

Both the Blue Line Transfer Station and the South Bayside Integrated Facility have emerged as de facto regional MRFs. These private sector enterprises handle marketing and transport of recovered materials, precluding the need for the public sector to become directly involved in marketing of materials.

RECYCLING MARKET DEVELOPMENT ZONE

The final market development strategy noted in the majority of the SRREs was application for designation as a State of California Recycling Market Development Zone in one or more

jurisdictions in the county. The California Integrated Waste Management Board, which designates RMDZs, was to select 40 sites throughout the state over a 5 year period. Advantages to the recipient of RMDZ status include low interest loans for businesses that use targeted recycled materials, assistance with product marketing, and technical assistance. This status would also assist local economic development agencies in attracting new businesses to the county. To be eligible for a RMDZ, the County would need to submit an application on behalf of the participating jurisdictions. A detailed market development plan would be required as a part of the application and Board approval.

While there was discussion in the County and among several of the local jurisdictions, no agreement to develop an application was reached and no jurisdiction in the county received Zone status. At this stage in the process it is unlikely that any jurisdiction would be able to receive a Zone designation unless they asked for inclusion in an existing Zone, such as the RMDZ in the City and County of San Francisco.

G. MAJOR SOLID WASTE ISSUES FACING SAN MATEO COUNTY JURISDICTIONS

The Local Task Force has identified reaching the 50% diversion goal by the year 2000 as the major solid waste issue facing the jurisdictions in San Mateo County. As indicated in Table 3-7, only one jurisdiction in San Mateo County reported achievement of a 50% diversion rate in 1995, 1996, or 1997. In 1997, most of the jurisdictions (15) reported rates below 40%, and of these, many (8) were below 30%. Table E-1 in Appendix E presents the diversion rates for other Bay Area cities and counties for comparison. Jurisdictions failing to achieve 50% diversion in 2000 place themselves in jeopardy of administrative action by the CIWMB including penalties up to \$10,000 per day.

While jurisdiction-specific reasons exist for the performance of each city and the County thus far, each jurisdiction will have to implement additional programs and maximize the diversion achieved by current programs in the time remaining in order to achieve the required diversion. To this end, the LTF recommends the following actions to each jurisdiction:

- Revisit its base-year generation number to evaluate its accuracy and revise it or conduct a new study, if necessary.
- Conduct a current waste characterization study to determine what remains in their waste stream.
- Consider hiring or contracting for staff to implement and promote waste reduction, recycling, and composting programs.

The LTF further recommends that the jurisdictions, working together at a regional level, each take an active role in developing and implementing regional diversion programs which will provide cost efficiencies and benefit residents and businesses across jurisdictional boundaries.

TABLE 3-7
SAN MATEO COUNTY JURISDICTIONS DIVERSION RATES
All Figures Represent Percent of Total Waste Stream Diverted From Disposal

Jurisdiction	1991 Base Year Data (%)	1995 State Calculation (%)	1995 City Calculation (%)	1996 State Calculation (%)	1996 City Calculation (%)	1997 State Calculation (%)	1997 City Calculation (%)
Atherton	14	-34	-15	1	15	-25	-7
Belmont	19	36	35	33	32	41	36
Brisbane	26	-12	27	28	35	36	40
Burlingame	15	14	15	15	15	16	17
Colma	15	-13	-13	-122	-89	-59	-36
Daly City	15	5	5	-5	-5	-7	-7
East Palo Alto	10	1	24	6	28	24	41
Foster City	16	27	19	26	17	61	57
Half Moon Bay	14	-38	24	-69	18	-64	19
Hillsborough	13	-17	19	-8	25	-9	24
Menlo Park	14	36	24	34	21	38	27
Millbrae	9.2*	29.7*	26	12	35	31	32
Pacifica	17	30	30	NA	35	29	48
Portola Valley	12	-1	27	10	55	3	22
Redwood City	13	34	37	38	41	36	39
San Bruno	26	19	19	6	6	23	34
San Carlos	15	35	28	38	31	39	32
San Mateo (City)	30	30	31	26	27	36	37
San Mateo (County)	20	30	30	34	34	33	33
South San Francisco	11	-9	25	-15	28	12	38
Woodside	13	-33	19	-52	25	-76	42
Total County	18%	19%		14%		25%	

NA = Not Available

SOURCE: Annual reports of individual jurisdictions for 1995 and 1996 State and City Calculations; CIWMB for 1997 State Calculations; jurisdiction contacts for 1997 City Calculations

*Revised as part of base year change.

CHAPTER 4

SUMMARY AND INTEGRATION OF THE SRRES, HHWES, AND NDFES

A. INTRODUCTION

This chapter summarizes the programs identified in the SRREs and HHWEs, and the facilities identified in the NDFEs, of Brisbane, Millbrae, Pacifica, San Bruno, South San Francisco and the sixteen jurisdictions included in the Joint SRRE,¹ including those programs identified as already existing at the time of the writing of the documents, those selected in the plans, and those which have been implemented as of the writing of this document.

This chapter furthermore identifies and describes programs selected for development as Countywide programs.

B. SUMMARY OF PROGRAMS SELECTED IN THE SRRES

This section summarizes the planning and development of source reduction, recycling, composting, special waste, and education and public information programs throughout San Mateo County. This information is also presented in Tables 4-1 through 4-5.

SUMMARY OF SOURCE REDUCTION PROGRAMS

Refer also to Table 4-1.

SOURCE REDUCTION PROGRAMS EXISTING AT THE TIME THE SRRES WERE FIRST PUBLISHED (1991 - 92)

The SRREs identify several source reduction activities that were in existence at the time the documents were written. Many of these source reduction activities were "market-driven," i.e., activities not sponsored by the local government agencies themselves, but existing as materials handling or purchasing options in the market place. These activities included thrift stores and collection centers for reuse of goods (textiles, white goods and bulky items), use of refillable bottles in some bars and restaurants, the purchase of consumer products in bulk, and community-cleanups where reusable materials are collected for resale. In addition, several

¹ The jurisdictions who participated in the preparation of a Joint SRRE include the Cities of Atherton, Belmont, Burlingame, Colma, Daly City, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Portola Valley, Redwood City, San Carlos, San Mateo, Woodside and the unincorporated areas of San Mateo County.

**TABLE 4-1
SUMMARY OF SOURCE REDUCTION PROGRAMS**

Program	Pacifica ^a	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Continue and modify resource center activities	E,X,I					
Use variable can rates	X,I	E	I	C	X,I ^b	E
Zoning changes to allow source reduction businesses	X,I					
Reduce business license fees	X,I					
Host city-wide garage sale	X,D					
Implement fast food packaging policy	X,I					
Xeriscaping/Grasscycling				I		
Waste Evaluations:						
Conduct waste audits for selected commercial establishments	X,I	X,I		X,I	X ^c ,I ^d	X,I
Support development of resource pools for groups of businesses					X ^c	
Develop reuse center	X,I					
Host reusables drop-off event	X					
Increase tipping fees for salvageable materials	X					
Source reducing business practices			E			
Purchase consumer products in bulk		E				
Community clean-up programs		E	I			
Education and Promotion:						
Develop technical assistance program for commercial businesses		X,I	I	X,I		X,I
Publicize technical assistance programs				X,I	X ^e ,I	
Promote source reduction through public education	X ^e		I	X,I		
Develop Environmental Shopping, Precycle Campaign (e.g., use of canvas shopping bags)				I	E,X ^c ,e,I	

TABLE 4-1 (Continued)
SUMMARY OF SOURCE REDUCTION PROGRAMS

Program	Pacifica ^a	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Education and Promotion: (Continued)						
Use of reusable cloth diapers	X	E	E	E	E ^f ,X,I ^g	E
Encourage restaurants to use reusable and recyclable materials and to reduce total packaging as much as possible					E ^h ,X,I	
Develop a brochure listing furniture and appliance repair shops					X,I ^g	
Develop a brochure for new car buyers on retreaded tires, oil recycling and tire maintenance	X				X,I ⁱ	
Develop materials for employers to provide source reduction information to employees			I		X,I	
Provide information on returning wine bottles to wineries for reuse					X,D	
Develop and hold source reduction workshops and seminars for residents and businesses			I		X,j	
Provide information to businesses on less wasteful packaging alternatives			I		X,I	
Incorporate source reduction lessons into school curriculum			I	I		
Establish awards and public recognition program		X	I	X,I	X,C ^k	X,D
Periodic art reuse and business workshops				I		
Support state and federal regulatory programs				I		
Salvage textiles, white goods and bulky items			E		E ^l	

TABLE 4-1 (Continued)
SUMMARY OF SOURCE REDUCTION PROGRAMS

Program	Pacifica^a	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Local Government Programs:						
City practices and procurement policies, including reduced use of forms and increased double-sided copying			E,X ^m ,I		E ⁿ ,X,I	
Non-procurement source reduction programs in city offices		X,I		X,I		X,I
Adoption of government procurement policies		X,I		X,I		X,I
City employee training in source reduction	X,I		I			
Perform waste audits in selected city offices					X,I ^o	
Countywide waste exchange for city offices				I	X,IP	
Develop joint purchase pools					X,I ⁹	
Develop Countywide source reduction pilot program					X,D	
Composting Programs:						
Residential food and backyard composting	X,I	E,X	E	E,X,I	E,X,I	E,X,I
On-site composting (or use as mulch) of yard waste by city park departments					E ^r	
Food and agricultural waste composting at San Francisco Jail					E	
Investigate developing a master composter program					X,C ^s	
Determine whether any local community garden associations would be interested in sponsoring home composting workshops					X,C ^s	
Help fund community garden organizations to sponsor home composting workshops, if interested					X,C ^s	

TABLE 4-1 (Continued)
SUMMARY OF SOURCE REDUCTION PROGRAMS

Program	Pacifica ^a	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Composting Programs: (Continued)						
Advertise workshops			I		X,I	
Hold several workshops per year			I		X,I	
Develop a home composting brochure					X ^e ,C ^s	
Work with master composters to educate residents and businesses about on-site composting					X,C ^t	
Distribute 5,000 composting bins to residents and businesses					X,I	
Develop compost demonstration site program	X				X	
Determine whether certain businesses should be encouraged and assisted in developing site-of-generation programs for food wastes					E ^u ,X ^c	
Develop technical assistance program to encourage site-of-generation composting by institutions and businesses					X ^c	
Review the availability of state funding and assistance and make known to the appropriate businesses					X ^c	
Consider mandatory source reduction planning and reporting requirements based on success of voluntary efforts. Could include implementation of land use policies, mandatory planning and reporting requirements, or a ban on certain products or packaging.					X ^{c,v}	

TABLE 4-1 (Continued)
SUMMARY OF SOURCE REDUCTION PROGRAMS

- ^a Other non-city funded programs include: (1) a Salvation Army donation trailer at the Park Pacifica Shopping Mall; (2) collection of household items by the Society of St. Vincent de Paul and Goodwill Industries; (3) the reuse of materials by several businesses; and (4) an annual rummage sale hosted by Good Shepard and Mizpah.
- ^b All Joint SRRE jurisdictions have investigated types of variable can rates for residents and businesses and studied the impacts on garbage rates and revenues. Most of the Joint SRRE jurisdictions have implemented variable can rates. The following Joint SRRE jurisdictions have not yet implemented variable rates: Atherton, Belmont, Colma, Foster City, Hillsborough, San Carlos, and unincorporated San Mateo County. These jurisdictions may elect to do so in the future. At that time, the jurisdictions would educate the public on the new rates and monitor the program results.
- ^c Program not considered for Atherton or Hillsborough since both jurisdictions lack commercial establishments.
- ^d Program has been implemented in all Joint SRRE jurisdictions, except Burlingame, Colma, Daly City, San Carlos, Portola Valley, and unincorporated San Mateo County.
- ^e Program also selected in the Education and Public Information Component.
- ^f All jurisdictions identified residential use of cloth diapers, except Colma. Cloth diapers were also being used in the Peninsula Hospital nursery in Belmont.
- ^g After considering the costs versus the benefits of this program, it no longer seemed worthwhile to develop a separate brochure. Instead, the concepts of this program will be incorporated into other education materials.
- ^h All jurisdictions identified the use of refillable bottles in bars and restaurants, except Atherton, Hillsborough, Woodside, and Portola Valley.
- ⁱ The Tire Retread Information Bureau has developed a brochure that is being used in lieu of a county-specific brochure. The County of San Mateo Division of Environmental Health Services is promoting oil recycling.
- ^j This program has been discontinued in Portola Valley.
- ^k Participating jurisdictions are currently promoting the CIWMB WRAP program.
- ^l All jurisdictions identified the diversion of textiles, white goods and bulky items, except Atherton, Hillsborough, Woodside, and Portola Valley.
- ^m San Bruno selected implementation of more aggressive procurement policies as its only source reduction program. The City feels its contribution to source reduction will make a significant difference in the attitude of the community and thus the waste stream.
- ⁿ The following jurisdictions identified source reducing activities in government offices: Atherton, Burlingame, Daly City, Menlo Park, Portola Valley, San Carlos and unincorporated areas of the county.
- ^o Program has not yet been implemented in Woodside or Colma.
- ^p A regional waste exchange for all jurisdictions has not been established. However, participating jurisdictions use CALMAX whenever possible.
- ^q Program has been implemented in all Joint SRRE jurisdictions, except unincorporated San Mateo County, Woodside, and Portola Valley.
- ^r The following jurisdictions identified on-site composting (or use as mulch) of yard waste by city park departments: Belmont, Daly City, Foster City, Menlo Park, Portola Valley, Redwood City, and unincorporated areas of the County.
- ^s Currently, the Countywide home composting program includes distribution of the book "Backyard Composting", the CIWMB's brochure "Nature's Way", and a fact sheet developed by the American Horticultural Society. Additional brochures may be developed in the future.
- ^t The County provides free workshops at various locations. This program is sufficient to satisfy the current demand for workshops. In the future, master composters and community organizations may also be used.
- ^u Only applies to commercial businesses located in unincorporated San Mateo County.
- ^v If the selected alternatives are ineffective in the short-term, jurisdictions will consider a requirement for mandatory source reduction plans for new businesses and business license renewals.

KEY TO SYMBOLS:

- E: Existing program at the time the SRREs were originally drafted (1991-92);
 X: Program selected for implementation in the SRREs;
 I: Program has been implemented;
 D: Program has been discontinued;
 C: Contingency program.

SOURCE: City of Pacifica, *Source Reduction and Recycling Element*, November 1992;
 City of San Bruno, *Source Reduction and Recycling Element and CEQA Initial Study*, December 1991;
 City of Brisbane, *Source Reduction and Recycling Element*, August 1992;
 City of Millbrae, *Source Reduction and Recycling Element*, March 1992;
 Brown, Vence & Associates, *Joint Source Reduction and Recycling Element*, June 1992;
 City of South San Francisco, *Source Reduction and Recycling Element*, May 1992.

government source reduction programs in San Bruno and in several of the Joint SRRE jurisdictions were identified, including use of copy machines capable of handling recycled paper and able to produce two-sided copies, use of recycled content products, minimized use of forms, and use of durable and reusable products. Other government source-reduction programs included on-site composting or use as mulch of yard waste generated by the city park departments of several of the Joint SRRE jurisdictions and variable can rates that were in effect in Brisbane and South San Francisco. All of the jurisdictions, except Pacifica, identified use of cloth diapers as an existing source reduction program, and noted that some level of residential backyard composting was taking place. Several of the jurisdictions in the county identified that local stores gave credit to customers who used canvas bags for their groceries.

SOURCE REDUCTION PROGRAMS SELECTED IN THE SRRES

The existing diversion programs identified in Table 4-1 are expected to continue in the future in all jurisdictions.

No single source reduction program was selected by all jurisdictions in the county. Instead, each jurisdiction selected its program(s) based on targeted materials, diversion potential, cost effectiveness, and/or ability to be implemented with minimum difficulty. In some cases, a variation of the same program was selected by multiple jurisdictions. Each of the twenty-one jurisdictions in the county identified backyard composting and the use of reusable cloth diapers as either existing programs and/or selected programs (Pacifica discusses cloth and disposable diapers in its Special Waste Component). All of the jurisdictions, except San Bruno, chose to conduct waste audits and provide technical assistance to targeted large commercial and industrial waste generators. Several jurisdictions also selected the following programs: changing local government practices and adoption of procurement policies; and an awards program for commercial businesses designed to recognize their source reduction efforts. Pacifica and the Joint SRRE jurisdictions selected the use of variable can rates as a means of encouraging source reduction. Millbrae selected the use of variable can rates as a contingency program if its other selected programs are ineffective in meeting source reduction goals.

Pacifica selected several source reduction programs not selected by other jurisdictions, including reviewing and modifying the Pacifica Resource Center activities as needed; implementing zoning changes to encourage development of source reduction businesses; reducing business license fees for source reduction businesses; hosting a city-wide garage sale; implementing a fast food packaging policy; development of a new resource center; hosting a reusables drop-off event; encouraging landfill operators to increase tipping fees for salvageable materials; city employee training in source reduction practices; and advocating source reduction through public education.

In addition to those programs shared with other jurisdictions, the sixteen jurisdictions participating in the Joint SRRE selected the following source reduction programs: salvaging of textiles, white goods and bulky items from the waste stream; development of a list of furniture and appliance repair shops and a brochure for car buyers on retreaded tires; a program to provide information on returning wine bottles to wineries for reuse; a program that encourages restaurants

to use reusable and recyclable materials and to reduce total packaging as much as possible; a program that incorporates source reduction lessons in school curricula; development of materials that will assist in business employee training; technical assistance to residences; a media program that publicizes all technical assistance and promotional efforts; expansion of the existing Environmental Shopping Campaign to include more jurisdictions; and a program that supports the development of resource pools for groups of businesses. The Joint SRRE jurisdictions also selected the following additional composting programs: investigation of master composter programs; coordinating the development of home composting courses/workshops with local gardeners, including providing funding and advertising as needed; development of a home composting brochure and demonstration sites; composting bin distribution and training; working with master composters to educate residents, businesses and institutions about site-of-generation composting; determining whether certain businesses should be encouraged and assisted in developing site-of-generation programs for food wastes; and reviewing the availability of state funding and assistance for businesses. Specific local government office programs selected by the Joint SRRE jurisdictions include: performing waste audits in selected city offices; a Countywide waste exchange; a Countywide source reduction pilot program; regulatory programs; and development of buy-in-bulk policies and joint purchasing pools.

IMPLEMENTATION OF SOURCE REDUCTION PROGRAMS TO DATE

Though San Bruno had only selected one source reduction program in its SRRE, it is the only jurisdiction in the county to have implemented all of its source reduction programs. San Bruno has also recently implemented several source reduction programs not selected in their SRRE, including variable can rates, a community clean-up program, and several public outreach and awareness programs.

Pacifica has implemented most of its selected source reduction programs, except for hosting a city-wide garage sale; hosting a reusables drop-off event; increasing tipping fees for salvageable materials, and promoting source reduction through public education. Pacifica's hauler, Coastside Scavenger, provides advice to its commercial customers on the use of recycling as a way of minimizing their level of refuse collection service. The city-wide garage sale program was not implemented because staff feels that it is more important to focus resources on recovering materials that would otherwise be discarded rather than promoting garage sales. Hence, the program has been discontinued. The City does not hold a specific reusables drop-off event, but rather has sites available where residents may drop-off salvageable materials.

Brisbane has implemented all of its programs, except offering promotional awards for source reduction and promoting residential food and backyard composting. Brisbane is a participant in the Countywide backyard composting program, which includes distribution of bins and educational materials.

Millbrae has implemented all of its selected source reduction programs. In addition to the programs selected in the SRRE, Millbrae has also implemented a xeriscaping/grasscycling program; incorporated source reduction lessons into school curricula; hosted periodic art reuse

and business workshops; supported state and federal regulatory programs; and participated in a Countywide waste exchange program for city offices.

South San Francisco has implemented all of its selected source reduction programs, except the awards and public recognition program for source reduction efforts. The City's franchised solid waste hauler, South San Francisco Scavenger Company, has taken the responsibility for providing technical assistance to commercial customers in both source reduction and recycling. The awards and recognition program has been discontinued. After the initial feasibility study for this program, it was decided that it would be uneconomical for the City given the insufficient staffing and lack of community enthusiasm for the program.

The Joint SRRE jurisdictions have implemented the majority of the source reduction programs selected in the SRRE. For the most part, programs identified as being implemented in Table 4-1 were implemented in all of the participating jurisdictions. Exceptions are identified in the footnotes at the bottom of the table. The Joint SRRE envisioned the creation of a Regional Entity that would implement programs for the 16 participating jurisdictions. This approach was selected to minimize costs by reducing duplication of efforts in the various jurisdictions and to maximize the cohesiveness of programs operating throughout the county. The San Mateo County Department of Public Works, Environmental and Waste Services Section, has been operating as the lead agency for Countywide programs, and plans to continue to do so. In addition, the cities in the SBTSA, a JPA of 11 of the 16 agencies that participated in the Joint SRRE, have approached SRRE implementation through the agency of the JPA. Programs that have not been implemented have fallen victim to staff shortages and overly optimistic SRRE implementation dates.

The following programs have not yet been implemented: providing waste audits for selected offices; supporting development of resource pools for groups of businesses; developing a compost demonstration site program; determining whether certain businesses should be encouraged and assisted in developing site-of-generation programs for food wastes; developing a technical assistance program to encourage site-of-generation composting by institutions and businesses; and reviewing the availability of state funding and assistance and making that information known to the appropriate businesses. These programs have been rescheduled for implementation over the next two years. Other programs that were selected in the SRRE but which have not yet been implemented include: investigating the development of a master composter program; determining whether any local community garden associations would sponsor home composting workshops; helping fund community garden organizations to sponsor home composting workshops, if interested; and working with master composters to educate residents and businesses about on-site composting. The program that would provide residents with information on returning wine bottles to wineries for refilling has been discontinued.

SUMMARY OF RECYCLING PROGRAMS

Refer also to Table 4-2.

**TABLE 4-2
SUMMARY OF RECYCLING PROGRAMS**

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Residential single family curbside collection	E,X,I	E,X,I	E,X,I	E,X,I	E ^a	E,X,I
Residential multi-family collection	E,X,I	E,X,I	X,I	E,X,I	E ^b	E,X,I
Residential mobile home collection					E ^c	
Implement weekly curbside recycling for single-family residences in East Palo Alto					X,I	
Conduct pilot programs for multi-unit residences and mobile homes			I		X,I	
Expand single-family curbside programs to include more material types, increase participation and reduce contamination			I		X ^k ,I	
Develop and expand curbside service to all multi-unit and mobile homes					X ^l ,I	
Commercial recycling collection	E,X,I	E,X ^d ,I	E,X,I	E,X ^d ,I	E ^e	E,X ^d ,I
Conduct surveys to identify opportunities or constraints to commercial recycling			I		X ^f ,I	
Implement technical assistance program and provide incentives for commercial recycling					X ^f ,I	
Construction/demolition debris collection	X,D				E ^g ,X ^f	
Enhance and extend school recycling program	E,X,I					
Establish recycling at public places	X,I		I			
Enhance city office program	E,X,I		I			
Permit and land use design guideline changes to require or allow adequate storage space for recyclables	X,I		E ^h			
Drop-off center(s)	E,X,I		E		E ⁱ	
Buy-back center (s)	X,I	E	E	E	E ⁱ	
Commercial/Industrial recycling collection (private)			E			

TABLE 4-2 (Continued)
SUMMARY OF RECYCLING PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Inert solids recycling			E			
City yard waste mulching			E			
Waste transformation		E	E	E		
Residential four-sort			X			
MSW processing at transfer station		E,X,I	I	E,X,I		E,X,I
Develop targeted drop-off programs at schools and special events					X,I	
Monitor and develop drop-off/buy-back centers in under-served rural unincorporated areas where curbside recycling is not cost effective					X,I ^j	
Encourage development of additional private-sector buy-back centers through zoning ordinances					X	
Establish a comprehensive drop-off site at Ox Mountain Landfill					X,I	
Implement office paper recovery at all public agencies					X,I ^m	
Train government staff and provide technical assistance to businesses to recycle office paper			I		X,I	
Identify costs and operational modifications to expand salvaging programs at transfer stations and landfills					E,X,I ⁿ	
Implement and monitor expanded salvaging operations					X,I ⁿ	
Local government programs to procure recycled products					E ^o	
Adopt formal procurement guidelines					X,I ^p	
Modify procurement specifications as needed to support purchase of products made from post-consumer materials					X,I ^p	
Conduct regional collection system study to coordinate design of MRF					X	

TABLE 4-2 (Continued)
SUMMARY OF RECYCLING PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Develop and operate a regional MRF					X	
Institute flow control ordinances for directing mixed waste streams to the MRF					X	
Christmas tree collection			I	I	E ^q	
Telephone book recycling			I	I	E ^r	
Battery recycling			I ^u	I	E ^s	
Asphalt reuse				E	E ^t	
Clean-up events			I ^v	I		

- ^a All jurisdictions, except East Palo Alto, had a single-family curbside collection program in operation.
- ^b All jurisdictions, except Atherton, Daly City, East Palo Alto, Portola Valley, and Woodside, had a residential multi-unit recycling program in operation. Atherton, Portola Valley, and Woodside do not have any multi-unit residences.
- ^c All jurisdictions, except Atherton, Colma, Daly City, East Palo Alto, Hillsborough, Portola Valley, and Woodside, had a mobile home recycling program in operation. Atherton, Hillsborough, and Portola Valley do not have any mobile homes.
- ^d Costs of this program will be shared by the cities of Brisbane, Millbrae, and South San Francisco.
- ^e All jurisdictions, except Atherton and Hillsborough, had commercial recycling programs in place at the time of SRRE publication. No commercial or industrial sources of waste were within the limits of those cities.
- ^f Program not considered for Atherton or Hillsborough since both jurisdictions lack commercial establishments.
- ^g All jurisdictions, except Atherton and Hillsborough, had construction/demolition debris recovery programs in place. No commercial or industrial sources of waste were within the limits of those cities.
- ^h San Bruno had an ordinance requiring proper storage areas for recyclables.
- ⁱ All jurisdictions, except Atherton, Colma, Hillsborough, and San Carlos had drop-off/buy-back centers in operation. To some degree, those jurisdictions used buy-back/drop-off centers located in other jurisdictions. Colma and San Carlos now operate this type of facility.
- ^j Program has been modified to expand on reuse, donation and repairs through the Annual "Second Chance Week" sponsored by the U.S. Environmental Protection Agency.
- ^k Targeted additional material types include: mixed paper, yard trimmings, and #2 HDPE colored resin plastics.
- ^l Menlo College in Atherton and the Sequoias Retirement Home in Portola Valley were targeted for multi-unit recycling collection.
- ^m Program has not yet been implemented in Colma or San Carlos.
- ⁿ Salvage opportunities have been addressed to some degree with the yard waste program. Additional materials and opportunities for salvage will be considered. The private haulers who operate the county's landfills and transfer stations have been responsible for expanding salvaging operations at those facilities.
- ^o Belmont had an informal policy to buy recycled paper. Burlingame and the Sequoia High School District had policies to buy paper products with recycled content and promoted the use of products containing post-consumer recycled materials. Daly City had a policy to purchase recycled-content products when these were no more costly than products made with virgin materials. Menlo Park had adopted a procurement policy for purchase of paper with recycled content. Portola Valley used recycled stationary. The County also procured recycled products.
- ^p Portola Valley has decided that it is more feasible to encourage departments to purchase post-consumer materials rather than implementing formal guidelines. The Town makes a conscious effort to purchase products made from post-consumer materials when economically feasible.
- ^q Christmas tree curbside collection services were provided to all jurisdictions served by BFI, Coastside/Seacoast Disposal Company, and Los Altos Garbage.
- ^r Telephone book recycling was provided to all jurisdictions served by BFI and Los Altos Garbage.
- ^s Colma participated in a battery recycling program at a K-Mart store.

TABLE 4-2 (Continued)
SUMMARY OF RECYCLING PROGRAMS

- ^t East Palo Alto stockpiled and reused asphalt grindings on roadway edges. Asphalt in Foster City was taken to the Lyngso Company in Redwood City for recycling. Asphalt and concrete in Redwood City was recycled at Harbor Sand and Gravel.
- ^u San Bruno participates in an auto battery recycling program at the transfer station and collects household batteries at residents' curbside.
- ^v San Bruno residents can choose their own two days for clean-up with some restrictions.

KEY TO SYMBOLS:

- E: Existing program at the time the SRREs were originally drafted (1991-92);
- X: Program selected for implementation in the SRREs;
- I: Program has been implemented;
- D: Program has been discontinued;
- C: Contingency program.

SOURCE: City of Pacifica, *Source Reduction and Recycling Element*, November 1992;
 City of San Bruno, *Source Reduction and Recycling Element and CEQA Initial Study*, December 1991;
 City of Brisbane, *Source Reduction and Recycling Element*, August 1992;
 City of Millbrae, *Source Reduction and Recycling Element*, March 1992;
 Brown, Vence & Associates, *Joint Source Reduction and Recycling Element*, June 1992;
 City of South San Francisco, *Source Reduction and Recycling Element*, May 1992.

RECYCLING PROGRAMS EXISTING AT THE TIME THE SRRES WERE FIRST PUBLISHED (1991-92)

At the time that the SRREs were drafted, most of the cities and unincorporated areas of the county were already served with buy-back and drop-off centers, some commercial collection programs, and Christmas tree collection and telephone book recycling programs. All jurisdictions within the county, except East Palo Alto, had recycling programs that served single-family residences. A smaller number of jurisdictions had recycling programs in place for multi-unit residential and mobile home areas. All the jurisdictions in the Joint SRRE with commercial and industrial establishments had construction/demolition debris collection programs in place. The transfer stations and landfills utilized by Joint SRRE jurisdictions salvaged materials from incoming loads. The local governments of several of the Joint SRRE jurisdictions were also using recycled-content paper and purchased products containing post-consumer recycled materials. Pacifica had recycling programs in place at public schools and in City offices. San Bruno had inert solids recycling, city yard waste mulching and waste transformation programs, and an ordinance in place requiring proper storage and collection areas for recyclables. Brisbane and Millbrae also participated in waste transformation activities. Some of the jurisdictions in the county had programs for asphalt, concrete and battery recycling.

RECYCLING PROGRAMS SELECTED IN THE SRRES

The existing diversion programs identified in Table 4-2 are expected to continue in the future in all jurisdictions.

All jurisdictions selected expanded commercial recycling collection and curbside programs for single family and multi-family residential units. In general, these programs include expanding the number of materials collected, the number of businesses/residents participating, and reducing the contamination of materials. The Joint SRRE jurisdictions also selected a collection program to serve all multi-unit and mobile home areas. San Bruno's selected residential program, referred to as Residential Four-Sort, requires the separation of wastes into four separate containers, including wet wastes, yard wastes, mixed paper and other recyclables. Pacifica and the Joint SRRE jurisdictions also selected expansion of their existing construction/demolition debris collection programs. The cities of Brisbane, Millbrae, and South San Francisco selected the expansion of municipal solid waste processing (i.e., diverting additional materials) at the Blue Line Transfer Station.

Pacifica selected several recycling programs not selected by other jurisdictions, including enhancing and extending school recycling programs to include private schools, churches and institutions; establishing recycling activities at public places, including parks and beaches; expanding the city office program to include employee training in recycling practices; changing permit and land use design guidelines to require or allow adequate storage space for recyclables; and developing additional drop-off and buy-back centers.

In addition to those programs shared with other jurisdictions, the sixteen jurisdictions participating in the Joint SRRE selected the following recycling programs: drop-off programs at schools and special events; monitoring and development of drop-off and buy-back centers in under-served rural unincorporated areas where curbside recycling is not cost effective; identifying operators and contracting for service of the new rural drop-off sites; zoning ordinance changes that encourage development of buy-back centers; establishing a comprehensive drop-off site at the Ox Mountain Landfill; implementing a technical assistance program and providing incentives for commercial recycling; expanding government in-house recycling efforts to all public agencies, including office paper recovery; training government staff and providing technical assistance to businesses to recycle office paper; expanding salvaging operations at transfer stations and landfills; adopting formal procurement guidelines and supporting the purchase of products made from post-consumer materials; construction and operation of a regional materials recovery facility (MRF); and instituting flow control ordinances that direct mixed waste streams to the MRF.

IMPLEMENTATION OF RECYCLING PROGRAMS TO DATE

All jurisdictions in the county have implemented recycling collection programs serving single and multi-family residences and commercial generators. The Joint SRRE jurisdictions have also implemented collection programs for mobile homes.

The Joint SRRE jurisdictions have also considered constraints to commercial recycling; implemented a technical assistance program; and are providing incentives for commercial recycling. Brisbane, San Bruno, Millbrae, and South San Francisco have completed implementation of all planned programs. In addition, the SBTSA jurisdictions, Millbrae, and San

Bruno have implemented programs for Christmas tree collection and telephone book recycling. San Bruno has begun salvaging at the San Bruno Transfer Station where collected refuse is hauled. Millbrae and San Bruno have also implemented clean-up events. Pacifica has implemented all of its programs, except the selected construction/demolition debris collection program, which has since been discontinued. San Bruno has implemented several recycling programs not specified in their SRRE, including establishing recycling in public places.

The Joint SRRE jurisdictions have implemented nearly all of their selected programs. It is anticipated that many of the programs will continue to expand and increase in terms of level of participation in upcoming years. Those programs that have not yet been implemented include: the selected construction/demolition debris collection program; and encouraging the development of additional private-sector buy-back centers through zoning ordinances. A program to site, develop, and operate a full-scale materials recovery facility (MRF) has been realized through the development of the South Bayside Integrated Facility. Another full-scale MRF is being planned in South San Francisco.

SUMMARY OF COMPOSTING PROGRAMS

Refer also to Table 4-3.

COMPOSTING PROGRAMS EXISTING AT THE TIME THE SRRES WERE FIRST PUBLISHED (1991-92)

At the time the SRREs were written, sewage sludge from San Bruno, Colma, Daly City and South San Francisco was being composted at a facility located adjacent to the South San Francisco-San Bruno Wastewater Treatment Facility. Digested sludge from the treatment plant was combined with rice hulls and sawdust to produce a soil conditioner called Tillo. Brisbane and South San Francisco also had a residential yard waste collection program in place. Collected yard waste from South San Francisco was collected in containers and sold for boiler fuel. Residential yard waste from Brisbane was placed in plastic bags and commingled with normal refuse. Yard waste bags were sorted out at the Blue Line Transfer Station and diverted to transformation facilities. Pacifica composted green wastes from parks and recreation areas. Manure from the Bay Meadows Race Track in San Mateo and from a stable in San Bruno was being composted.

COMPOSTING PROGRAMS SELECTED IN THE SRRES

The existing diversion programs identified in Table 4-3 are expected to continue in the future in all jurisdictions.

All jurisdictions either selected or already had in place curbside collection of yard debris in their SRREs. In addition, Pacifica, Brisbane, San Bruno, Millbrae, and South San Francisco selected the development of yard waste drop-off sites. Brisbane, Millbrae, and South San Francisco selected yard waste recovery through mixed waste processing at the Blue Line Transfer Station. The Joint SRRE jurisdictions selected the siting and development of a regional composting

**TABLE 4-3
SUMMARY OF COMPOSTING PROGRAMS**

Program	Pacifica	Brisbane ^a	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Christmas tree collection and chipping	X,I		I	I		
Yard waste drop-off site	X,I	X,I	X	X,I	I	X,I
Sewage sludge composting	X,I		E		E ^b	E
Windrow composting						
Brush/wood waste chipping				I		
Yard waste residential curbside collection	X,I,D,M	E	X	X	X ^c ,I ^d	E
Backyard composting classes			I	X,I		
City park green waste collection	E,X,I					
Residential and commercial food waste collection pilot program	X,D,C					
Manure composting			E ^e		E ^e	
Yard waste recovery through mixed waste processing		E,X,I		X,I		X,I
Site and develop regional composting program and facility					X,I ^f	
Begin full-scale operations of permanent composting facility					X	
Begin full-scale marketing/promotional program					X	
Monitor and evaluate programs and implement contingencies when necessary					X,I ^g	
Source-separated organics composting					X	

^a All recovered yard waste is diverted to transformation facilities.

^b The South San Francisco-San Bruno Wastewater Treatment Facility handles wastewater from Colma and Daly City, where digested sludge is piped to an adjacent, permitted composting site.

^c Other organic materials, such as manure and wood shredding fines, will be collected in those jurisdictions generating them. The selected program also includes targeted commercial generators.

^d Program has been implemented in all Joint SRRE jurisdictions, except Colma, Daly City, and Portola Valley.

^e Campbell's Soup Company, at Pigeon Point, composts horse manure and bedding from Bay Meadows Race Track and uses the compost to grow mushrooms at its facility. The mushroom compost is given to residents and landscapers and applied to land owned by Campbell's Soup Company. Skyline Stables in San Bruno conducts informal composting of horse manure.

^f Currently, collected green waste and segregated self haul waste is being processed and delivered as mulch to Coastside farmers or used as ADC at the Ox Mountain Landfill. Markets for finished compost may be investigated once the quantities and types of incoming materials are known. Portola Valley's franchised hauler, Los Altos Garbage Company, also has access to two other operating compost facilities, however, the hauler has not yet begun the proposed curbside collection program. No composting programs have been implemented in Colma or Daly City.

^g Ongoing monitoring of the yard waste collection programs is underway for participating jurisdictions.

TABLE 4-3 (Continued)
SUMMARY OF COMPOSTING PROGRAMS

KEY TO SYMBOLS:

- E: Existing program at the time the SRREs were originally drafted (1991-92);
 X: Program selected for implementation in the SRREs;
 I: Program has been implemented;
 D: Program has been discontinued;
 C: Contingency program.

SOURCE: City of Pacifica, *Source Reduction and Recycling Element*, November 1992;
 City of San Bruno, *Source Reduction and Recycling Element and CEQA Initial Study*, December 1991;
 City of Brisbane, *Source Reduction and Recycling Element*, August 1992;
 City of Millbrae, *Source Reduction and Recycling Element*, March 1992;
 Brown, Vence & Associates, *Joint Source Reduction and Recycling Element*, June 1992;
 City of South San Francisco, *Source Reduction and Recycling Element*, May 1992.

facility eventually capable of composting source-separated organics; a full-scale marketing and promotional program for the compost product; a program to monitor, evaluate and modify the composting program as needed; and a commercial yard waste collection program. Pacifica selected Christmas tree collection and chipping; sewage sludge composting; and expansion of its City park green waste collection program. No contingency programs were selected in the Composting Components.

IMPLEMENTATION OF COMPOSTING PROGRAMS TO DATE

All jurisdictions in the county, except San Bruno, have developed a yard waste drop-off site. San Bruno plans to implement this program in 1998. Pacifica and the majority of the Joint SRRE jurisdictions have initiated a residential yard waste collection program. Green waste collected from the Joint SRRE jurisdictions is processed, then delivered as mulch to coastal farmers or used as ADC at the Ox Mountain Landfill. The County is considering the development of a regional composting facility (see Section F, Discussion of Countywide Programs, at the end of this chapter). Some yard waste materials from Brisbane, Millbrae, and South San Francisco are being recovered at the Blue Line Transfer Station in South San Francisco, shipped to the Zanker Road compost facility in Santa Clara County, and composted in windrows. Pacifica has implemented Christmas tree collection and chipping and green waste collection in City parks. The residential and commercial food waste collection pilot program selected by Pacifica has been discontinued and is now considered a contingency program. The Pacifica wastewater treatment plant was composting sewage sludge for a short time, but discontinued this program. They expect to begin composting again when the City's new plant opens.

SUMMARY OF SPECIAL WASTE PROGRAMS

Refer also to Table 4-4.

**TABLE 4-4
SUMMARY OF SPECIAL WASTE PROGRAMS**

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Abandoned Auto Abatement	E			E		
Agricultural waste reuse	E				E ^a	
Landfill disposal of friable and non-friable asbestos waste	E		E		E	
Dead animal disposal	E					
Landfilling of treated biomedical wastes	E			E	E	
Encourage use of reusable cloth diapers at the Greenery and Linda Mar Convalescent Hospital	X ^b					
Provide information to medical waste generators on benefits of non-incineration	X,I					
Source reduce, recycle and compost materials from park and recreation areas	X ^c					
Reuse stockpiled street sweepings and dried-out catchbasin materials for shoulder backings during road resurfacing	X,D					
Educate public on proper tire inflation and economics of buying more durable tires	X ^d ,I					
Implement policy that all non-emergency vehicles be equipped with retreaded tires	X,D					
Research asphalt production companies and stay up to date on the Caltrans program	X					
Encourage transfer station and landfill operators to salvage tires from disposal facilities for resale	E,X,I	I	I	I	I	I
Recycle and reuse bulky items	E		E	E	E	
Recycle and reuse white goods	E		E	E	E	
Encourage consumers to purchase durable white goods and bulky items and to repair or donate broken/unwanted items	X ^d			I		

TABLE 4-4 (Continued)
SUMMARY OF SPECIAL WASTE PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Encourage transfer station and landfill operators to recover white goods and bulky items	X,I	I	I	E,I	I	I
Reuse center	X ^b					
Auto shredder waste disposal			E			
Industrial sludge treatment			E			
Sewage sludge composting			E		E ^e	E
Sewage sludge treatment, reuse and disposal		E		E	E ^f	
Industrial sludge landfilling as hazardous waste		E		E	E	E
Non-hazardous industrial sludge dewatering and landfilling		E		E		E
Contaminated soil landfilling				E		
Waste tire recycling			I	E	E	E
Concrete/rubble reuse				I		
Use of subbase materials for roads				I		
Ash disposal					E	
Auto salvaging					E	
Industrial sludge release into sanitary sewer systems					E	
Expand the City of San Mateo sewage sludge treatment facility to utilize incineration capacity; investigate beneficial uses of sludge ash					X ^g	
Maintain regulatory testing and reporting of shredder waste					E ^h ,X ⁱ ,I	
Encourage facility operators to apply for and develop a pilot program for the use of shredder waste as cover material at the Ox Mountain Landfill					X ⁱ ,I	
Construction/demolition material recycling required in contract specifications/permits					j	

TABLE 4-4 (Continued)
SUMMARY OF SPECIAL WASTE PROGRAMS

- a Crops are normally disposed of by composting back into the soil or by authorized stubble and pruning burnings.
- b Pacifica also selected this program in the Source Reduction Component of its SRRE.
- c Pacifica also selected this program in the Recycling Component of its SRRE.
- d Pacifica also selected this program in the Education and Public Information Component of its SRRE.
- e The South San Francisco-San Bruno Wastewater Treatment Facility handled wastewater from Colma and Daly City, where digested sludge is piped to an adjacent composting site.
- f Applied to all Joint SRRE jurisdictions, except Colma and Daly City.
- g Program selected for the City of San Mateo only.
- h All automobiles and other salvageable metals in San Mateo County were taken to LMC Metals in Redwood City.
- i Program selected for Redwood City only.
- j Program identified in Menlo Park's 1996 Annual Report.

KEY TO SYMBOLS:

- E: Existing program at the time the SRREs were originally drafted (1991-92);
- X: Program selected for implementation in the SRREs;
- I: Program has been implemented;
- D: Program has been discontinued;
- C: Contingency program.

SOURCE: City of Pacifica, *Source Reduction and Recycling Element*, November 1992;
 City of San Bruno, *Source Reduction and Recycling Element and CEQA Initial Study*, December 1991;
 City of Brisbane, *Source Reduction and Recycling Element*, August 1992;
 City of Millbrae, *Source Reduction and Recycling Element*, March 1992;
 Brown, Vence & Associates, *Joint Source Reduction and Recycling Element*, June 1992;
 City of South San Francisco, *Source Reduction and Recycling Element*, May 1992.

SPECIAL WASTE PROGRAMS EXISTING AT THE TIME THE SRRES WERE FIRST PUBLISHED (1991-92)

The SRREs identify several special waste activities that were in existence at the time the documents were written. Special waste programs identified by one or more jurisdictions were: abandoned auto abatement programs (Pacifica and Millbrae); agricultural waste reuse (Pacifica and Joint SRRE jurisdictions); landfill disposal of friable and non-friable asbestos waste (Pacifica, San Bruno, and Joint SRRE jurisdictions); dead animal disposal (Pacifica); landfilling of treated biomedical waste (Pacifica, Millbrae, and Joint SRRE jurisdictions); tire salvaging at the Hillside Landfill and waste tire recycling (Millbrae, Joint SRRE jurisdictions, and South San Francisco); recycling and reuse of white goods and bulky items (Pacifica, San Bruno, Millbrae, and Joint SRRE jurisdictions); auto salvaging (Joint SRRE jurisdictions) and shredder waste disposal (San Bruno and Joint SRRE jurisdictions); composting of treated sewage sludge from the South San Francisco-San Bruno Water Pollution Control Plant (San Bruno, South San Francisco, Colma, and Daly City); sewage sludge treatment, reuse and disposal (Brisbane, Millbrae, and Joint SRRE jurisdictions, except Colma and Daly City); contaminated soil landfilling (Millbrae); out-of-county industrial sludge treatment (San Bruno) and disposal as hazardous waste (Brisbane, Millbrae, Joint SRRE jurisdictions, and South San Francisco); non-hazardous industrial sludge dewatering and landfilling (Brisbane, Millbrae, and South San Francisco); and incinerator ash disposal (Joint SRRE jurisdictions).

SPECIAL WASTE PROGRAMS SELECTED IN THE SRRES

The existing special waste programs identified in Table 4-4 are expected to continue in the future in all jurisdictions.

No special waste programs were selected for the cities of Brisbane, Millbrae, San Bruno and South San Francisco. Continuation of existing programs was determined to be adequate to handle special wastes generated by these jurisdictions. Brisbane, Millbrae, and South San Francisco may consider waste tire recovery through the expanded mixed waste processing program selected in the Recycling Components of their SRREs.

Pacifica selected implementation of the following special waste programs: encouraging the use of reusable cloth diapers; making information available to medical waste generators on the environmental benefits of non-incineration of medical wastes, including the names of such service providers; source reduction, recycling and composting of materials from parks and recreation areas; reusing stockpiled street sweepings and dried-out catchbasin materials for shoulder backings during road resurfacing; educating the public on proper tire inflation and the economics of buying more durable tires; encouraging Mussel Rock Transfer Station and Ox Mountain Landfill operators to salvage waste tires, white goods, and bulky items; implementing a policy that all non-emergency vehicles be equipped with retreaded tires; researching asphalt production companies and staying informed of the Cal Trans program; and encouraging consumers to purchase durable white goods and bulky items and to repair or donate broken/unwanted items. Pacifica also selected development of a reuse center (also described under the Source Reduction Component).

For those jurisdictions participating in the Joint SRRE, selected special waste programs include ash and shredder waste diversion programs for materials generated in the City of San Mateo and Redwood City, respectively. More specifically, the City of San Mateo selected the following programs: expanding the City of San Mateo sewage sludge treatment facility to fully utilize its incineration capacity; investigation of mixing sludge incineration ash with concrete/aggregate, lime sludge, and cover materials; and seeking approval for a pilot program to incorporate sludge incineration ash as part of daily cover at Ox Mountain Landfill or as a constituent in concrete block manufacturing. Redwood City selected maintaining its regulatory testing and reporting of shredder wastes at LMC Metals; investigation of legislation allowing the use of shredder waste as part of daily landfill cover; and encouraging facility operators to apply for and develop a pilot program for the use of shredder waste as cover material at the Ox Mountain Landfill.

No contingency programs were selected.

IMPLEMENTATION OF SPECIAL WASTE PROGRAMS TO DATE

The county's five transfer stations and two landfills are currently recovering white goods and used tires from the waste streams of all participating jurisdictions. Used tires are not formally accepted for recycling at the Mussel Rock Transfer Station. However, staff at the transfer station

recover tires found in loads brought to the facility and then transport them to the South Bayside Integrated Facility for further handling. The City of San Mateo has investigated alternative uses for ash, but has found none, primarily due to the toxicity of the ash product. Redwood City implemented its program that uses auto shredder waste as ADC in May 1995. Menlo Park promotes recycling of construction and demolition materials through its contract specifications and permitting process.

SUMMARY OF EXISTING AND SELECTED PUBLIC INFORMATION AND EDUCATION PROGRAMS IN SAN MATEO COUNTY

Table 4-5 summarizes the education and public information programs identified in the SRREs. Many of the public information and education programs selected in the SRREs are now being implemented by the franchised haulers of the participating jurisdictions. Due to the large number of programs selected, and the ease of identifying programs with brief descriptions in the table, the programs are not further explained in the text.

C. SUMMARY OF PROGRAMS SELECTED IN THE HHWES

SUMMARY OF HOUSEHOLD HAZARDS WASTE PROGRAMS

Refer also to Table 4-6.

HHW PROGRAMS EXISTING AT THE TIME THE HHWES WERE FIRST PUBLISHED (1991-92)

The HHWEs identify several programs and activities that were in existence at the time the documents were written. HHW activities included collection events and programs to increase recycling and reuse. In 1990-1991 the County Division of Environmental Health Services sponsored 33 collection events. The events were held in the Cities of San Carlos, South San Francisco, San Bruno, Daly City, Half Moon Bay, San Mateo, and Pacifica. Recycling efforts included the exchange of usable products in original containers or the reuse of paint by community groups or local public works departments. Other materials were collected and reprocessed, such as car batteries, used motor oil, solvents, latex paint, and oil-based paint. In 1991 it was estimated that 85% of the HHW collected by the County at events was recycled or reused.

Other activities were part of efforts by solid waste companies servicing their local communities to remove HHW from the solid waste stream and to ensure its proper management and disposal. These activities included load checking or hazardous waste refuse monitoring at the various transfer stations to cull HHW from the solid waste stream. The residential haulers serving the jurisdictions in San Mateo County were implementing such activities at the time of the publication of the HHWEs. All of the haulers placed a red tag on the material so that it could be identified for proper disposal. Operators of the landfills in the county as well as the transfer

TABLE 4-5
SUMMARY OF EDUCATION AND PUBLIC INFORMATION PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Promote residential multi-unit recycling	X,I		X,I	X,I	X,I	
Recycling Handbook	E,X,I					
Recyclamobile	E					
Coastside Scavenger educational efforts	E					
Parent/teacher initiated recycling programs at schools	E					
Variable can rate promotion	X,I		I			
Residential reduce junk mail campaign	X,I			I		
Cloth diaper campaign, including use in day care centers	X,I					
Increase awareness of non-recyclable materials	X,I					
Organic Waste Reduction/ Residential How-to-Compost brochure (and video for Pacifica)	X,I	I			X,C ^a	
Promote reuse center	X,I					
Promote citywide garage sale and repair fair	X,D					
Create model community	X,D					
Promote procurement/source reduction programs	X,I	X	X,I		X,I	
Promote reduced business license fee program	X					
Promote Waste Reduction Guide	X		I			
Provide waste evaluation services for commercial and/or industrial businesses	X,I	X,I		X,I		
Provide waste reduction plans for commercial and/or industrial businesses	X,I	X,I	I	I		
Promote use of reusable tableware at fast food restaurants	X,I					
Promote residential curbside recycling	X,I		E,X,I	X,I	X,I	

TABLE 4-5 (Continued)
SUMMARY OF EDUCATION AND PUBLIC INFORMATION PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Promote landscape waste reduction	X,I		I			
Promote source separation and recycling to self haulers	X					
Promote buy-back/drop-off centers	X,I				X,I	
Promote commercial recycling collection	X,I		X,I		X,I	
Promote waste reduction and recycling in schools, hospitals, churches and institutions	X,I					
Pacifica public places, parks and beaches recycling information program	X					
Promote waste reduction and source-separated recycling to construction businesses	X,D					
Promote source-separated yard debris collection	X		I			
Promote yard waste drop-off	X		X,I			
Promote Techno Worm program	X,D					
Promote white goods, telephone book and Christmas tree recycling programs	X		I		X,I	
Promote proper tire maintenance	X					
Promote residential four-sort			X,I			
Promote promotional awards			X,I			
Offer promotional awards (e.g., WAMMY award and Recycler of the Month)	E	X	X,I	X	X,C ^b	E ^c
Host children's recycling events			E			
Speakers bureau			E		X,I	
Ongoing media coverage (e.g., public service announcements)		X,I	E	X,I		X,I
South San Francisco Scavenger Co., Inc. (SSFSC) public education efforts, including "Recycle Today" slogan		E		E		E

TABLE 4-5 (Continued)
SUMMARY OF EDUCATION AND PUBLIC INFORMATION PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
SSFSC outreach efforts to commercial/ industrial sector; technical assistance in developing company recycling programs		E		E		E
Residential promotional campaign: <ul style="list-style-type: none"> • informational brochure on residential recycling • recyclables training for waste hauler employees 		X	I			
Community theme program		U	I	X		
"Neighborhood Network" program		X,D		X		
Media advertising		U		X		
Video presenting waste diversion programs		X,D		X		
Recruitment of volunteers to do presentations to civic service clubs on the City's waste diversion programs						E ^c
Development of recycling programs and presentations at schools			I			E ^c
Program promotion through weekly advertisements in the Enterprise Journal						E ^c
Development and distribution of two newsletters per year promoting available recycling programs						E ^c
Print Media:						
Advertisements in newspapers and bulletins	E		I		E ^d	
Billboards					E ^e	
Brochure distribution			I		E ^f	
BFI bumper sticker contest					E ^g	
Direct mail pieces			I		E ^h	
Flyers					E ⁱ	
Community newsletters		E	I	E	E ^j	E
Utility bill inserts					E ^k	

TABLE 4-5 (Continued)
SUMMARY OF EDUCATION AND PUBLIC INFORMATION PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Other Media:						
Informational booths at events, shopping centers, community events and fairs		E,X,I	E	E,X	E ^l	E
Curbside Recycling Start-Up Kit			I		E ^m	
Commercial Recycling Start-Up Kit					E ⁿ	
Displays			I		E ^o	
Presentations					E ^p	
Public service announcements			I		E ^q	
Radio					E ^r	
School recycling programs and curriculum		X,I	E	X	E ^s	X,I
Specialty items			I		E ^t	
Televisions			I		E ^u	
Waste facility tours		U		X	E ^v	
Establish a solid waste coordinator		X				
Regional Eco-Desk/Hotline					X,I	
Outreach to non-English speaking populations					X ^w ,I	
School education programs			I		X,I	
Environmental Shopping Campaign/Guide	X,I				X,I	
Recycling and waste reduction brochure			I		X,I	
Recycling Starter Kit			I		X,I	
Promote backyard composting					X,I	
Composting demonstration sites and booths			U		X	
Master Composter program					X,C ^a	
Beach waste program					X ^x ,I ^y	
"Buy Recycled" resource guide					X,I	
Recycled product procurement conference					X,I ^z	

TABLE 4-5 (Continued)
SUMMARY OF EDUCATION AND PUBLIC INFORMATION PROGRAMS

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint SRRE Jurisdictions	South San Francisco
Restaurant Waste Reduction and Recycling Guide					X,I	
Office Paper Recycling Guide			I		X,I	
Office recycling workshop			I	I	X,I ^{aa}	
Resort and tourist business education program					X	
Promote regional waste exchange					X,I	

- ^a Currently, the Countywide home composting program includes distribution of the book "Backyard Composting", the CIWMB's brochure "Nature's Way", and a fact sheet developed by the American Horticultural Society. Additional brochures may be developed in the future.
- ^b Participating jurisdictions are currently promoting the CIWMB WRAP program.
- ^c This public information program was either under development or in implementation stages at the time of SRRE publication.
- ^d All jurisdictions, except Burlingame, Colma, East Palo Alto, Hillsborough, Portola Valley, and Woodside, had media advertisement programs in place at the time of SRRE publication.
- ^e Daly City rented billboard space on Mission Street to advertise recycling programs.
- ^f All jurisdictions, except Colma, Daly City, and East Palo Alto, distributed some type of brochure/pamphlet related to one or more source of the following types of programs: source reduction, recycling, composting, special waste, and hazardous waste.
- ^g Participants included residents in BFI's curbside recycling service areas.
- ^h Program only applied to Half Moon Bay, San Carlos, and unincorporated areas of the County.
- ⁱ Program only applied to Colma and Daly City.
- ^j All jurisdictions, except Colma and Woodside, promoted recycling programs through community newsletters.
- ^k Program only applied to Daly City and Portola Valley.
- ^l Program only applied to Daly City and unincorporated areas of the County.
- ^m BFI provided start-up kits to residents of single-family and multi-unit dwellings in those jurisdictions it served.
- ⁿ BFI provided start-up kits to the chambers of commerce of participating jurisdictions and to businesses upon request.
- ^o Program only applied to Daly City.
- ^p All jurisdictions, except Colma, Portola Valley, and Woodside, held presentations.
- ^q Program only applied to Redwood City.
- ^r Program only applied to Daly City.
- ^s All jurisdictions, except Atherton, Belmont, Colma, East Palo Alto, Half Moon Bay, Menlo Park, San Carlos, and Woodside, had active recycling programs in schools. All jurisdictions, except Colma, Daly City, and Woodside had some type of school curriculum available to elementary school teachers.
- ^t Program only applied to Daly City and the unincorporated areas of the county. Daly City distributed envelope openers with recycling messages at informational booths. Seacoast Disposal printed recycling information and safety tips on recycled grocery bags to be used for Halloween.
- ^u All jurisdictions, except Colma and Woodside, participated in this program. Daly City ran a 60-second commercial on a Filipino TV station. BFI publicized its curbside program through a 30-second cable ad-net commercial.
- ^v All jurisdictions, except Colma, Daly City and Woodside, participated in this program. BFI provided tours of the BFI Recyclery and waste transfer facilities.
- ^w Program was selected for all jurisdictions, except Atherton, Portola Valley and Woodside.
- ^x Program was selected for waterfront cities including the City of San Mateo, Half Moon Bay and portions of unincorporated San Mateo County.
- ^y The City of San Mateo participates in an annual coastal clean-up that also focuses on recycling and environmental education.
- ^z San Carlos, Portola Valley, and unincorporated San Mateo County have implemented this program.
- ^{aa} Rather than conducting workshops about recycling, participating jurisdictions have increased the amount of technical assistance and/or industry workshops they provide.

TABLE 4-5 (Continued)
SUMMARY OF EDUCATION AND PUBLIC INFORMATION PROGRAMS

KEY TO SYMBOLS:

E: Existing program at the time the SRREs were originally drafted (1991-92);
 X: Program selected for implementation in the SRREs;
 I: Program has been implemented;
 D: Program has been discontinued;
 C: Contingency program;
 U: Program under consideration.

SOURCE: City of Pacifica, *Source Reduction and Recycling Element*, November 1992;
 City of San Bruno, *Source Reduction and Recycling Element and CEQA Initial Study*, December 1991;
 City of Brisbane, *Source Reduction and Recycling Element*, August 1992;
 City of Millbrae, *Source Reduction and Recycling Element*, March 1992;
 Brown, Vence & Associates, *Joint Source Reduction and Recycling Element*, June 1992;
 City of South San Francisco, *Source Reduction and Recycling Element*, May 1992.

stations removed HHW when it is detected during normal operations. Random checking was also practiced by some of the landfill operators (Hillside) as well as haulers.

A number of private vendors collected used motor oil and car batteries from San Mateo County residents. In addition, several of the transfer stations and landfill sites also collected used motor oil and car batteries. These included Hillside and Ox Mountain landfills and the transfer stations in San Carlos and South San Francisco.

At the time the HHWEs were written, BFI and South San Francisco Scavenger Company already provided curbside used motor oil collection as a component of their curbside recycling program. Oil was left on the curb in sealed containers provided by the residents, and collected along with other recycled materials in modified collection vehicles. The collected oil was eventually re-refined.

HHW PROGRAMS SELECTED IN THE HHWES

The majority of programs that were put in place prior to the HHWEs are still being continued today, as is evidenced in Table 4-6. The HHWEs considered alternatives to the existing programs and activities. After summary evaluation, several new programs were adopted by the various jurisdictions for implementation, and other existing programs were expanded.

A variety of program alternatives for HHW were developed in the HHWEs. They include: periodic collection events (one and two days); periodic collection programs limited to recyclable HHW; permanent and satellite collection facilities, either full service or "BOP" (Batteries, Oil, and Paint) only; mobile collection facility; collection at vendor locations (BOP material); curbside collection programs; full range or recyclable only HHW door to door collection program; collection at solid waste facilities; collection by commercial hazardous waste facilities; refuse monitoring and load checking; and the implementation of a Small Quantity Commercial

**TABLE 4-6
SUMMARY OF HOUSEHOLD HAZARDOUS WASTE PROGRAMS**

Program	Pacifica	Brisbane	San Bruno	Millbrae	Joint HHWE Jurisdictions	South San Francisco
Permanent HHW Collection Facility	X,I	X	X,I	X	X,I	X,I
Mobile HHW Collection Facility	C	C	C	C	C	C
Periodic Temporary HHW Collection Facility			I	E	E	
Recycle Only HHW Collection Facility (BOP)	X,I,D	X	X,I,D	X,I	X,I,D	X,I,D
Recycle Only Door to Door Collection	D	D	D	D	D	D
Curbside Collection for Used Motor Oil	X,I	X,I	C	X,I	X,I	X,I
Collection at Solid Waste Facilities	X		X,I		X,I	X
Recycle Only Collection at Vendor Locations (used Oil, Paint, Batteries)	E	X,I	E	E	E	E
Small Quantity Commercial Source Participation	C	C	C	C	C	X,I
Curbside Collection of all HHW	D	D	D		D	D
Refuse Monitoring and Load Checking	E		E	E	E	E
Multiple Small Permanent HHW Facilities	X,I	X	X,I	X,I	X,I	X,I
HHW Information Exchange	X,I	X,I	X,I	X,I	X,I	X,I
Household/Consumer Battery Collection			I ^a		X,I	

^a San Bruno Garbage collects household batteries at residents' curbside.

KEY TO SYMBOLS:

E: Existing programs at the time the HHWEs were originally drafted (1991-92);

X: Program selected for implementation in the HHWEs;

I: Program has been implemented;

D: Program has been discontinued;

C: Contingency program.

SOURCE: Joint HHWE Jurisdictions, Joint Household Hazardous Waste Element, and June 1992

City of Pacifica, Household Hazardous waste Element, November 1992

City of San Bruno, Household Hazardous Waste Element, December 1991

City of Brisbane, Household Hazardous Waste Element, August 1992

City of South San Francisco, Household Hazardous Waste Element, May 1992

City of Millbrae, Household Hazardous Waste Element, March 1992

Source Participation. In the case of San Bruno an expanded paint swap was considered as an alternative. The following programs were selected by one or more jurisdictions for implementation: curbside collection of recyclable HHW; periodic collection events; permanent and satellite collection facilities; collection at solid waste facilities; collection at vendor locations; and a mobile collection facility.

Most of these programs were selected by the majority of the jurisdictions in San Mateo County, though with some exceptions. For example, while most communities did select curbside collection of used motor oil, San Bruno did not elect to participate and still has not implemented this program. Table 4-6 indicates San Bruno selected used oil curbside collection as a contingency. Initially, San Bruno also chose not to implement other alternatives such as expanded public information, expanded periodic collection events, and the development of a permanent HHW facility, but have since implemented several programs not selected in their HHWE. In other cases some variation of a program was selected by the jurisdiction. All of the jurisdictions have some form of public outreach program, most being funded at least in part by San Mateo County. However, several communities, such as Millbrae, have developed more extensive public outreach and educational programs for the recycling of HHW as well as informing local citizens regarding proper disposal. The County has also implemented a HHW exchange and reuse program that is operated weekly at the County warehouse in Redwood City, and which has met with reasonable response from residents.

IMPLEMENTATION OF HHWE PROGRAMS TO DATE

San Mateo County Division of Environmental Health Services has continued to operate periodic collection days in the years since the HHWEs were adopted, generally holding over 30 per year. In 1997, 27 collection events were held throughout the County. Ten were 2-day events and 17 were one-day events. Curbside oil collection for residences has continued to expand so that today more than 60% of all residences in the county are serviced by curbside collection. The only areas that have still not implemented programs are San Bruno and some of the unincorporated areas of San Mateo County. It is anticipated that the majority of jurisdictions in the county will also have used oil filter collection by the end of 1998.

Used motor oil is also collected at over 78 vendor-sponsored locations in the county. This is a considerable increase over the number of sites that were available in 1992. There are also a large number of drop-off locations for latex paint, used motor oil, and batteries established through efforts by the County, which also represents an expansion of activities started prior to the adoption of the HHWEs. At the current time there are 8 locations where latex paint is accepted, and 6 locations where automotive batteries are accepted.

The County is in the process of assisting in setting up several permanent HHW facilities, primarily in locations where there are now facilities that accept batteries, oil, and latex paint. The Division of Environmental Health Services intends to establish from 6 to 9 permanent HHW facilities. The following locations or communities have been selected to host permanent HHW facilities: South San Francisco, Pacifica, San Carlos, San Bruno, Menlo Park, and Redwood City.

In addition, San Mateo, Daly City, and Half Moon Bay may host facilities. These facilities will be open three days a month with the County HHW staff rotating the facilities on the days that they are open. It is anticipated that these will be opened this year and in 1999 (South San Francisco).

The County is also establishing locations that accept used consumer batteries. These are now accepted for drop-off and eventual recycling at the County Office Building in Redwood City. The program commenced in the fall of 1997. In addition, curbside collection of consumer batteries will commence or has commenced in San Bruno, South San Francisco, Millbrae, and Colma.

The County implemented and operates a small quantity generator commercial service that accepts small quantities of hazardous waste about 15 to 20 businesses per month. Service is by appointment only, and will be expanded if necessary to meet demand. The small commercial businesses that use the service come from referrals from local inspectors, the LEA, and businesses that call the HHW appointment line.

San Mateo County has implemented a re-use program that is operated out of a warehouse located at 310 Pine Street in Redwood City. It is open one day a week, on Thursdays between 3-4 pm. Materials given to the public include latex paint, oil-base stains, wood preservatives, roof cement, thinner, cleaning products, and fertilizers. In 1997 over 20,000 gallons of paint were given to the public out of this location.

The County and all of the jurisdictions operate an extensive public information program that has been expanded since 1992. While this is an ongoing program, the emphasis has expanded over the years to include school education programs and information provided in a variety of languages.

D. SUMMARY OF FACILITIES IDENTIFIED IN THE NDFES

Existing and proposed non-disposal facilities are shown in Table 4-7. Chapter 3 of this Summary Plan describes existing facilities. This section summarizes non-disposal facilities that are planned or proposed.

BLUE LINE TRANSFER STATION

South San Francisco Scavenger Company, Inc. (SSFSC) plans to construct and operate a new Materials Recovery Facility (MRF) and Transfer Station (TS) on a 10-acre site in South San Francisco, adjacent to the San Francisco Bay. The MRF/TS is anticipated to be operational by the year 1999 and is expected to enable South San Francisco to achieve its state-mandated 50% diversion goal by the year 2000. The proposed MRF/TS would include sorting and removal of recyclable materials (including paper, metal, wood, inert materials, green waste, glass, aluminum, and cardboard); the development of a recycling buy-back area; and would provide space for a household hazardous waste facility to be operated by San Mateo County staff. The proposed facility would consolidate SSFSC's operations. Currently, SSFSC operates the Blue

Line Transfer Station on Oyster Point Boulevard, while recycling operations and administrative offices are located on South Linden Avenue in South San Francisco. The facility would have a permitted capacity of 1,000 tons per day. The proposed facility would continue to serve South San Francisco, Brisbane, Millbrae, and portions of unincorporated San Mateo County. This proposed facility is not described in the NDFEs of these cities.

HILLSIDE MULTI-FUNCTIONAL SOLID WASTE FACILITY

The owners of Hillside Landfill, Amloc Company, Inc. and Cypress Abbey Company are considering development of a materials recovery facility, compost facility, and transfer station on an 8-acre site adjacent to the existing Hillside Landfill. As envisioned, the multi-functional solid waste facility would include an area where commingled curbside materials from Colma and possibly other northern San Mateo County areas would be sorted; a facility for separating recyclable and organic materials from self-haul and debris box loads; and a composting area for organic wastes. The facility, as planned, would have a capacity of 600 tons per day. The facility would divert somewhere between 40 and 50% of incoming materials.

The facility was originally expected to be operational by mid-1995. At this time, however, no definite plans for development of such a facility have been made.

COUNTY COMPOSTING FACILITY

Although there are no specific composting facilities planned or proposed for San Mateo County, one or more centralized composting facilities are envisioned to accept green waste from San Mateo County jurisdictions. It is possible that biosolids, food wastes, and contaminated paper would also be accepted at such a site. Ox Mountain Landfill in the unincorporated area of the County and the Hillside Landfill in Colma are potential sites for development of such a facility. The permitted capacity of a future composting facility is unknown.

TABLE 4-7
SUMMARY OF NONDISPOSAL FACILITIES IN SAN MATEO COUNTY

Jurisdiction Where Located	Name of Facility	Type	Expected Date of Operation	Jurisdictions Utilizing the Facility
<i>Existing Facilities</i>				
Daly City	Mussel Rock Transfer Station	Transfer Station	Operating	Daly City, Colma, Unincorporated San Mateo County
San Bruno	San Bruno Transfer Station	Transfer Station	Operating	San Bruno, Unincorporated San Mateo County (S.F. Jail)
San Carlos	South Bayside Integrated Facility	Transfer Station/MRF	Operating	Atherton, Belmont, Burlingame, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Portola Valley, Redwood City, San Carlos, San Mateo, Woodside, Unincorporated San Mateo County
South San Francisco	South San Francisco MRF and Transfer Station	Transfer Station/MRF	Operating	South San Francisco, Brisbane, Millbrae, Unincorporated San Mateo County
Pescadero (Unincorporated San Mateo County)	Pescadero Transfer Station	Transfer Station	Operating	Unincorporated San Mateo County (south Coastside communities)
South San Francisco	Tillo	Compost Facility	Operating	San Bruno, Colma, Daly City, South San Francisco
Pigeon Point (Unincorporated San Mateo County)	Campbell's Soup Mushroom Compost Facility	Compost Facility	Operating	San Mateo (Bay Meadows Race Track)
<i>Proposed Facilities</i>				
Unknown (Ox Mountain Landfill and Hillside Landfill are potential sites)	County Compost Facility	Compost Facility	Unknown	All jurisdictions within San Mateo County
South San Francisco	Blue Line Transfer Station (also includes transfer station)	Transfer Station/MRF	1999	South San Francisco, Brisbane, Millbrae, Unincorporated San Mateo County
Colma	Hillside Multi-Functional Solid Waste Facility (also includes compost facility and transfer station)	Transfer Station/MRF	Unknown	Colma, Pacifica (debris boxes), and possibly other areas of northern San Mateo County

SOURCE: Environmental Science Associates

E. COUNTYWIDE INTEGRATION OF PROGRAMS

Section 18757.7 (d) of the regulations governing preparation of the Summary Plan requires identification and description of programs that were coordinated or consolidated, and those programs that may be coordinated or consolidated in the future as Countywide programs. While many programs were selected by all or nearly all of the jurisdictions in their SRREs and HHWEs, only some of these programs are suitable for implementation as Countywide programs. For example, while variable can rates was selected by all of the jurisdictions as a program or contingency program, implementation of variable can rates must clearly be the responsibility of each jurisdiction which has rate setting authority for integrated waste management services.

The following programs are considered suitable for coordination or consolidation as Countywide programs. Programs that are already operating as integrated Countywide programs are denoted with an asterisk.

SOURCE REDUCTION PROGRAMS:

Environmental Shopping Campaign*

Backyard Composting Education and Bin Distribution*

RECYCLING PROGRAMS:

Recycling and Recycling Education for Schools

COMPOSTING PROGRAMS:

Development of a Regional Composting Facility

EDUCATION AND PUBLIC INFORMATION PROGRAMS:

Mass Media Public Outreach Campaign

HOUSEHOLD HAZARDOUS WASTE PROGRAMS:

Periodic HHW Collection Events*

Development of Permanent HHW Collection Facilities*

MARKET DEVELOPMENT PROGRAMS:

Household Hazardous Waste and County Surplus Property Reuse Programs*

F. DESCRIPTION OF COUNTYWIDE PROGRAMS

This section further describes the Countywide programs identified above. In some instances, the program has already been fully implemented as a Countywide program, while in others, the program requires further integration or development of additional integrated components. Each description includes the following: a. general description of the program's purpose and function; b. integration details; c. cost elements and funding sources; d. administration; e. implementation tasks. Costs and funding are detailed in the next chapter.

1. ENVIRONMENTAL SHOPPING CAMPAIGN

A. GENERAL DESCRIPTION

The environmental shopping campaign, which began as the "Shop Smart" Campaign and is now known as the "Save Money and the Environment Too" Campaign promotes less wasteful, more environmentally benign shopping behavior. The Campaign, which is repeated annually, provides information to consumers on making less wasteful, more recyclable purchasing decisions. The Campaign works with interested local supermarkets. Reducing waste associated with excess packaging is the prime focus of the Campaign.

In the past, the main elements of the Campaign have been creation and distribution of written materials; placement of educational displays in supermarkets; supermarket advertising circulars that promote low-waste products; and marking low waste items as such on supermarket shelves. The program is now evolving to focus primarily on a mass media campaign.

The program is operated regionally throughout the San Francisco Bay Area. Participating local government agencies coordinate campaign themes and design, and work directly with local retailers to design and execute the annual campaign.

B. COUNTYWIDE PROGRAM INTEGRATION

All San Mateo County jurisdictions have participated in this campaign for the past three years. The program already operates on a Countywide basis, with the County Public Works Department as the implementing agency.

C. COST ELEMENTS AND FUNDING SOURCES

Major program cost elements include the cost of printing brochures and displays; media buys; and staff time for coordination and evaluation. Funds for the program come from contributions from participant cities and counties, and have in the past included contributions from the CIWMB. Participating retailers typically make in-kind contributions.

D. ADMINISTRATION

The program is administered in San Mateo County by the County Public Works Department.

Institutional Parking Space Composting

- Research and design outreach program: including review of available technologies;
- Pilot demonstration program;
- Staff and materials to conduct program.

Funding for the program may come from Department of Public Works Recycling Program funds and from contributions from the cities. Cities hosting demonstration gardens may cover some or all of the cost of developing their garden.

D. ADMINISTRATION

It is anticipated that the County Public Works Department Recycling Program will continue to operate the Countywide Backyard Composting Program. Expansion of the program will require development of increased staffing and administrative capacities, and may require more formal arrangements with the cities for supporting the program.

E. IMPLEMENTATION TASKS

Task	Responsible Party	Time Line
Continue bin distribution program and workshops	County Public Works Department	Ongoing
Work out administrative and funding structure for expanded program	County Public Works Department	1998
Master Composter Program		
Recruit staff to design and run master composter program	County Public Works Department	1998
Design Master Composter curriculum	County Public Works Department	1998
Publicize Master Composter classes	County Public Works Department	1998 and continuing
Run Master Composter program	County Public Works Department	1998 and continuing
Demonstration Gardens		
Select sites for demonstration gardens	County Public Works Department and host cities	1998
Issue RFP, contract for design services	County Public Works Department and/or host cities	1998
Garden construction	County Public Works Department and/or host cities	1999
Hire gardeners to tend gardens, conduct workshops	County Public Works Department and/or host cities	1999

Task (Continued)	Responsible Party	Time Line
Landscapers and Landscape Architects		
Recruit staff to design and run landscaper program	County Public Works Department	1999
Design curriculum	County Public Works Department	1999
Publicize workshops	County Public Works Department	1999 and continuing
Run workshops	County Public Works Department	1999 and continuing
Institutional Parking Space Composting		
Contract with composting specialist to research and design outreach program	County Public Works Department	1999
Recruit institution for demonstration project	County Public Works Department	1999
Conduct outreach and assistance to institutions	County Public Works Department	1999 and ongoing

3. SUPPORT SCHOOLS RECYCLING AND RECYCLING EDUCATION

A. GENERAL DESCRIPTION

This program builds on an existing Countywide program. The County Public Works Department has created a curriculum library that serves as a repository for information for schools and school districts interested in developing a recycling curriculum. This program will be retained with the intention of further building the collection and publicizing its availability to teachers and school administrators.

A new aspect of the schools program will be a stepped-up effort to assist schools in implementing source reduction, recycling, and composting programs. This program component will involve contacting schools and school districts, identifying interested teachers or other school staff, and providing them with information and technical assistance to facilitate their start-up or expansion of on-site composting, recycled materials collection, re-use, and greenwaste collection programs.

B. COUNTYWIDE PROGRAM INTEGRATION

The program will be coordinated by the County Public Works Department, in conjunction with the SBTSA, the cities, and interested school districts. Existing County and SBTSA staff will be responsible for program implementation.

C. COST ELEMENTS AND FUNDING SOURCES

The main cost element is staff time. Existing County and SBTSA staff will be responsible for program implementation. The program may require a small materials and transportation budget.

D. ADMINISTRATION

The program will be administered by the County Public Works Department.

E. IMPLEMENTATION TASKS

Task	Responsible Party	Time Line
Research and obtain curriculum materials	County Public Works Department, SBTSA	1998 and ongoing
Publicize availability of materials to schools and school districts	County Public Works Department, SBTSA	1998 and ongoing
Conduct outreach and technical assistance to schools and school districts	County Public Works Department, SBTSA	1998 and ongoing

4. DEVELOPMENT OF A REGIONAL COMPOSTING FACILITY**A. GENERAL DESCRIPTION**

All of the SRREs specify development of one or more composting facilities within the county to handle processing and marketing of green wastes and other organic materials. The SRREs are heavily dependent upon composting for meeting the 50% diversion goal. To date, there have been several major developments in the separate collection and processing of organics in the county. These include separate collection of greenwaste from most single family dwellings; the establishment of a greenwaste and woodwaste grinding operation at the Ox Mountain Landfill; and shipment of source-separated greenwaste to composting facilities located outside of the county. Currently, the material processed at Ox Mountain is not composted, but rather is given away for use as mulch, or used as alternative daily cover material at the Ox Mountain Landfill. The Hillside Landfill separates clean wood waste and greenwaste, grinds it, and sells it for boiler fuel.

There may be a need in the county to develop one or more regional composting facilities for the following reasons:

- Compost has a wider range of uses than mulch, allowing for more flexible and stable marketing of the finished product;

- Composting facilities can be designed to handle materials other than greenwaste and woodwaste, and which are not suitable for mulch, such as food waste and sewage sludge biosolids;
- San Mateo County's agricultural lands and suburban communities will provide a ready, local market for finished compost, thereby increasing San Mateo County compost's market competitiveness.

This program will consist of an economic feasibility study to determine the relative merits of siting a facility within the county, or using out-of-county facilities for processing San Mateo organic wastes. The study will examine a range of technologies, facility capacities, and locations to determine the best course of action for further development of organic material recovery.

If the study indicates that an in-county facility is economically and environmentally preferable to using out-of-county facilities, a second study will be conducted to identify and evaluate potential sites for a composting facility. If these efforts result in a decision to proceed with development of a facility, the program will continue with a design, financing, and permitting phase, and eventually with constructing and operating one or more facilities.

B. COUNTYWIDE PROGRAM INTEGRATION

The program will be operated by the County Department of Public Works. This agency will coordinate the effort and keep the cities informed of the program's progress.

C. COST ELEMENTS AND FUNDING SOURCES

Cost elements for the initial, exploratory phase of the project consist of Public Works staff time to coordinate the project, and cost of a consultant to conduct feasibility and siting studies. The next phase of the project, if needed, will require funds for design, permitting, and environmental review of one or more composting facilities, and for facility construction, start-up, and ongoing operation.

Revenue sources for the initial phase of the program will come from Public Works Department Recycling Program funds. Design, permitting, and construction funds may be from private or public sources, to be determined at a later date. Operating expenses should be covered by sale of finished product.

D. ADMINISTRATION

Administration of the initial phase of the program will be the responsibility of the County Department of Public Works, Recycling Program. Administration of facility development, implementation, and operation is to be determined.

E. IMPLEMENTATION TASKS

Task	Responsible Party	Time Line
Issue RFP for feasibility and siting studies	County Department of Public Works	1999
Conduct studies	County Department of Public Works (using consultants)	1999
Determine course of action for facility development	County Department of Public Works	1999
Facility design, environmental review, and permitting	County Department of Public Works and Department of Environmental Management (LEA)	1999-2000
Facility construction	To be determined	2000
Commence operations	To be determined	2000

5. MASS MEDIA PUBLIC OUTREACH CAMPAIGN**A. GENERAL DESCRIPTION**

A Countywide integrated waste management mass media campaign will enable the County and the cities to address issues of Countywide concern swiftly and effectively. This program will maintain broad parameters and a high degree of flexibility, so that problems and issues may be addressed as they arise, using the appropriate media. Media employed may include radio, television, and newspapers, as well as mailers, billboards, street signs, point of purchase displays, and others. Issues that individual campaigns address may include reducing contaminants in curbside recyclables; "Environmental Shopping" source reduction themes, and reduction or recycling of particular waste types.

B. COUNTYWIDE PROGRAM INTEGRATION

The program will be operated as a Countywide program, with input from interested jurisdictions on form and content.

C. COST ELEMENTS AND FUNDING SOURCES

Cost elements include staff time to administer and coordinate contracts; consultants to design and run campaigns, cost of materials, production of PSAs, media time or space, and cost of monitoring campaign effectiveness.

Funding for the program will come from the County's Solid Waste Fund.

D. ADMINISTRATION

The program will be administered by the County Department of Public Works Recycling Program.

E. IMPLEMENTATION TASKS

Task	Responsible Party	Time Line
Prepare scope and budget for annual campaign	County Department of Public Works	1998 and annually
Issue RFP for consultant	County Department of Public Works	1998 and annually
Design, implement campaign	County Department of Public Works	1998 and annually
Monitor and evaluate program effectiveness	County Department of Public Works	1998 and annually

6. PERIODIC HHW COLLECTION EVENTS**A. GENERAL DESCRIPTION**

San Mateo County holds between 30 and 34 HHW collection events or "round-ups" throughout the county each year. The collection events are typically either one or two days in duration. These events are held in both incorporated areas and in the unincorporated areas of the county. HHW materials are collected from residents at these periodic collection events and are packaged properly for transportation offsite to a licensed treatment, storage, and disposal facility (TSDF) or a recycling facility.

B. COUNTYWIDE PROGRAM INTEGRATION

All San Mateo jurisdictions have participated in the periodic HHW collection events, since they were started and particularly since 1992. The program operates on a Countywide basis, with the County Division of Environmental Health Services as the implementing agency.

C. COST ELEMENTS AND FUNDING SOURCES

Major program costs include the cost of collection, packaging and disposal; the cost of staff to operate the program; maintenance of the collection trailer; and cost of promotion for the events.

Funding for this program will come from the County's Solid Waste Fund.

D. ADMINISTRATION

The program will continue to be administered by the County Division of Environmental Health Services.

E. IMPLEMENTATION TASKS

Task	Responsible Party	Time Line
Continue to hold events	County Division of Environmental Health Services	Several times annually

7. DEVELOPMENT OF PERMANENT HHW COLLECTION FACILITIES***A. GENERAL DESCRIPTION***

The County Division of Environmental Health Services in conjunction with several local jurisdictions has set up several collection sites that accept different varieties of recyclable HHW. Six sites, a recycle yard in Pacifica, transfer stations in Daly City, San Bruno, San Carlos, and South San Francisco, and the landfill in Half Moon Bay accept varying combinations of latex paint, used motor oil, oil filters, antifreeze, household and automotive batteries. Additionally, paint retailers in Half Moon Bay, San Mateo, South San Francisco, and Redwood City accept leftover latex paint from the public, and curbside collection of household batteries is occurring in jurisdictions served by South San Francisco Scavengers, San Bruno Garbage, and Coastside Scavengers.

The County is in the process of establishing 4 sites as permanent HHW collection facilities. The following locations have been selected to host these permanent HHW facilities: South San Francisco, Pacifica, San Carlos and San Bruno. The facilities are proposed to be opened three days a month with Staff provided by the County. The staff will rotate between facilities. The facilities opened in July of 1998.

B. COUNTYWIDE PROGRAM INTEGRATION

This program will be administered and operated by the County Division of Environmental Health Services, in conjunction with several of the transfer stations such as San Bruno and South San Francisco. County staff will operate the facilities. Residents from any part of the county will be able to use these permanent facilities. They are being geographically dispersed so that residents throughout the county will have reasonable access to a facility.

C. COST ELEMENTS AND FUNDING SOURCES

The primary costs of the program will be staff, maintenance of collection facilities, proper packaging and disposal of HHW materials that can not be recycled or reused. The program will also require a small budget for promotion and education.

D. ADMINISTRATION

The program will be administered by the County Division of Environmental Health Services.

E. IMPLEMENTATION TASKS

Task	Responsible Party	Time Line
Final site selection	County Division of Environmental Health Services	Summer of 1998
Securing Permits for the Facilities	County Division of Environmental Health Services	End of 1998

8. HOUSEHOLD HAZARDOUS WASTE AND COUNTY SURPLUS PROPERTY REUSE PROGRAMS**A. GENERAL DESCRIPTION**

The County Division of Environmental Health Services and the County Employee and Public Services Department run a HHW materials reuse program. Reusable HHW materials collected in the County's HHW collection programs are brought to the County Warehouse in Redwood City. The County's Surplus Property Manager then makes these materials available free of charge. Products such as latex paint, solvents, and garden pesticides are given away to the public or to other government agencies. The facility is open one day a week, on Thursdays between 3-4 p.m.

In addition, the County Employee and Public Services Department facilitates the reuse of County surplus property. The intent of the program is to recycle excess County materials and to produce revenue for the County. Surplus property is also stored at the County Warehouse in Redwood City. There is a weekly give-away of items.

B. COUNTYWIDE PROGRAM INTEGRATION

Materials in the HHW reuse program come from collection events held around the county. The program gives reusable materials to anyone in the county that wishes to take advantage of the program. The surplus property program collects and distributes surplus property from all County facilities. Surplus property may be sold to any interested party.

C. COST ELEMENTS AND FUNDING SOURCES

The HHW reuse program constitutes a cost savings for the County's HHW collection program, since it diverts a substantial amount of material from costly disposal at a hazardous waste landfill. The surplus property reuse program has the ability to pay for itself or to become a revenue generator. Costs for both programs include staff time and collection costs. The HHW reuse program is funded through avoided disposal costs. The surplus property program is funded through sale of materials and goods, such as scrap metal, furniture, and vehicles.

D. ADMINISTRATION

The County Division of Environmental Health Services, and the Employee and Public Services Department should continue to administer and staff the two programs.

E. IMPLEMENTATION TASKS

Task	Responsible Party	Time Line
Deliver HHW reusable materials to the County Warehouse	County Division of Environmental Health Services	Ongoing
Maintain HHW reusable materials and surplus property storage and sale program at the County Warehouse	County Employee and Public Services Department, Surplus Property Manager	Ongoing

CHAPTER 5

FUNDING FOR COUNTYWIDE PROGRAMS

This chapter presents planning-level cost estimates for implementation of the Countywide programs selected in the previous chapter. These cost estimates are intended to be guidelines only; final cost estimates must await final program design. The costs and the funding sources are presented in Table 5-1.

The majority of the Countywide programs will be funded from the County's Solid Waste Fund. This fund is supported by a surcharge on the tipping fee at the Ox Mountain Landfill. The amount of the surcharge is currently \$5.02 per ton. This fund supports the Local Enforcement Agency, the Division of Environmental Health Services' household hazardous waste programs, and the Department of Public Works recycling programs. Additional funds may come from contributions from jurisdictions participating in Countywide programs, from grants, and from other sources.

**TABLE 5-1
COSTS AND REVENUE SOURCES FOR COUNTYWIDE PROGRAMS**

Program	Start Date	Program Cost		Revenue Sources
		Start-Up	Annual	
1. Environmental Shopping Campaign	Annual, ongoing	---	\$30,000	County Solid Waste Fund
2. Backyard Composting				
Master Composter	1998	\$20,000	\$15,000	County Solid Waste Fund
Demonstration Gardens	1998	\$50,000	\$20,000	County Solid Waste Fund, contributions from participating jurisdictions
Landscapers and Landscape Architects	1999	\$12,000	\$5,000	County Solid Waste Fund
Institutional Parking Space	1999	\$10,000	\$2,000	County Solid Waste Fund
3. Schools Program	1998	\$3,000	\$3,000	County Solid Waste Fund
4. Develop Regional Composting Facility				
Feasibility Study	1999	\$20,000	---	County Solid Waste Fund
Siting Study	1999	\$15,000		County Solid Waste Fund
Facility Design, Environmental Review, Permitting	1999-2000	\$250,000	---	TBD
Facility Construction	2000	TBD	---	TBD
Facility Operation	2000		TBD	Costs covered by sale of finished product.
5. Mass Media	1998	\$40,000	\$40,000	County Solid Waste Fund
6. Periodic HHW Collection Events	Ongoing		Total FY 1996-97 budget was \$663,375	County Solid Waste Fund
7. Permanent HHW Facilities	1998	\$250,000	Operating expenses expected to be the same as current periodic events program	County Solid Waste Fund, CIWMB HHW Grant
8. HHW and Surplus Property Reuse	Ongoing	Existing staff time and warehouse space	Existing staff time and warehouse space	County Solid Waste Fund, Sale of surplus goods and materials

TBD = To be Determined

CHAPTER 6

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APPENDIX A

COMMENTS ON THE PRELIMINARY DRAFT SUMMARY PLAN AND RESPONSES

This appendix reproduces the comment letters received regarding the San Mateo County Countywide Integrated Waste Management Plan Summary Plan. A response to each comment follows. Where necessary, the text contained in these documents has been revised. For comments not resulting in text changes, more detailed responses have been prepared to address any unanswered issues.

Comment letters from interested parties precede their responses. Each commenter has been assigned a letter, and each comment received from that commenter has been assigned a number. Therefore, a unique descriptor, consisting of a letter and number, applies to each comment and response. For example, "response A1" refers to the response to the first comment from agency A (which happens to be the San Mateo County Local Task Force). These descriptors appear on each comment letter to indicate what text is considered part of each comment.

Comment Letters Received:

- A. Local Task Force Comments: City/County Association of Governments of San Mateo County, Rosalie O'Mahony
- B. California Integrated Waste Management Board, Bill Huston
- C. City of Menlo Park, Dianne Dryer
- D. Montara Sanitary District, George F. Irving
- E. County of San Mateo Health Services Agency, Greg Schirle
- F. City of South San Francisco, John Gibbs
- G. South San Francisco Scavenger Company, Stephanie Uccelli

A

CCAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

*Atherton • Belmont • Brisbane • Burlingame • Colma • Daly City • East Palo Alto • Foster City • Half Moon Bay • Hillsborough • Menlo Park • Millbrae
Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside*

October 27, 1998

Mr. Neil Cullen
Director of Public Works
County of San Mateo
10 Twin Dolphin Drive, Suite C-200
Redwood City, CA 94065

Subject: Local Task Force Review of Preliminary Draft Countywide Summary Plan

Dear Mr. Cullen:

The City/County Association of Governments, as the Local Task Force for San Mateo County, has reviewed the Preliminary Draft Countywide Summary Plan and has the following comments.

- 1) Recommend modification of the Goals, Objectives and Policies as reflected in Attachment A. 1
- 2) Recommend that the Summary Plan clearly identify that achieving the 50% diversion mandate is the major solid waste issue facing the jurisdictions of San Mateo County. This section should include the diversion rates of each San Mateo County jurisdiction, how these compare to other cities and counties, and a description of the possible penalties for failing to meet the 50% mandate. This section should also include the Local Task Force's (LTF) recommendation regarding how to proceed to attain additional diversion. 2

The LTF recommends that each jurisdiction should a) revisit its base year generation number to evaluate its accuracy and revise it or conduct a new study if necessary, b) conduct a current waste characterization study to determine what remains in their waste stream, and c) consider hiring or contracting for staff to implement and promote waste reduction, recycling, and composting programs. 3

At a regional level, the LTF also recommends that the jurisdictions work together to develop and implement regional diversion programs and that the jurisdictions take an active role in participating in this effort. The goal of this cooperative approach would be to develop, implement and promote cost effective programs that benefit residents and businesses across jurisdictional boundaries. 4

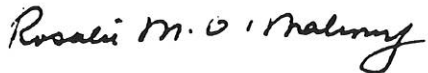
**LTF Review of Summary Plan
Preliminary Draft
October 27, 1998**

Page 2

- 3) Recommend the following additions to the Summary Plan.
- 5 [] An appendix that identifies solid waste management professionals in the county.
 - 6 [] A description of what specific curbside recyclables are collected by each hauler.
 - 7 [] A description of what curbside recyclables may become after being recycled.
 - 8 [] Additional detail in Chapter 2 and 3 regarding the transport of waste within the county as depicted in Attachment B.
- 9 [] 4) Recommend correction of the typographical and technical errors which have been documented in Attachment C.

Thank you for the opportunity to review this document.

Sincerely,



Rosalie O'Mahony
C/CAG Chair

Attachments: A, B, and C

cc: Brian Lee
Don Williams
Cheri Puls

cherip/plandocs/ciwmp/swac/review/sumltf.ltr

Summary Plan

Goals

- In order to help ensure the sustainability of the economy, the environment, and the quality of life in San Mateo County for present and future generations, and to conserve natural resources and landfill capacity, The jurisdictions of San Mateo County seek to reduce solid waste generation to the maximum practical extent. In the near term, the goal is to meet the diversion mandates of AB 939 (i.e., to divert 25% of generated waste by the year 1995 and 50% by the year 2000) through a combination of source reduction, recycling, yard waste recycling, and composting, by the year 2000. [*Introduction from former Goal 1 and meat (plus comments) from former goal 3 and former objective 2*]
- The jurisdictions of San Mateo County seek to achieve source reduction to the maximum practical extent. In the near term, the goal is to achieve at least 2% in diversion through source reduction as quickly as possible, and at least 5% by the year 2000. [*former objective*]
- People who live, work, and own businesses throughout in San Mateo County will take personal responsibility for reducing and diverting the waste they produce. [*Second half of former goal 4*]
- The generation of household hazardous wastes will be reduced to the maximum practical extent through a reduction in the use of hazardous products by residents and businesses. [*divided goal 5 into two parts*]
- ~~In addition, a~~ All residents of San Mateo County and its cities should have access to a program that safely and effectively disposes of household hazardous wastes.
- The generation of special wastes will be reduced to the maximum practical extent. [*First half of former goal 6*]
- San Mateo County seeks to have strong local markets for reused, recycled, and composted products, ~~will be expanded and strengthened.~~ [*First half of former goal 7*]

Objectives

- Document progress toward achievement of the 25% and 50% diversion rates.
- People who live, work, and own businesses throughout in San Mateo County will more fully understand and appreciate the importance of integrated waste management concepts, as well as the availability of diversion programs. [*former goal*]

- Increase awareness and participation in established and new source reduction, reuse, recycling, yard waste recycling, composting, and HHW programs by residents, businesses, and institutions, including non-English speaking populations.
- Develop local markets for recovered materials by encouraging more value-added processing and recycled product manufacturing.
- ~~This might be accomplished by m~~ To expand and strengthen local markets for reused, recycled, and composted products. ~~M~~modifying the purchasing practices of governmental agencies, by encouraging modifications of purchasing practices of individuals, businesses, and institutions, and ~~by~~ fostering the development of businesses that repair, refurbish, and sell second-hand goods, and that use recovered materials as feedstock for the manufacture of new products. *[Former second half of goal 7]*
- Since recycling and composting programs form key components of the diversion plans of all San Mateo County jurisdictions, the cities and county seek high participation in these programs to achieve their diversion goals.
- Increase diversion programs in the commercial sector, with focus on large solid waste generators.

Policies

- The cities and the county shall work together to implement an integrated waste management system that gives highest priority to the reduction of waste at the source, and secondary priority to the recycling and composting of waste materials, including yard waste. Those materials which cannot be reused, recycled or composted shall be landfilled in an environmentally safe and effective manner. *[moved from goals]*
- The implementation of the integrated waste management system shall be a joint effort of the incorporated cities, the county, private sector integrated waste management service providers, and the residents, businesses, and institutions of San Mateo County. *[moved from goals]*
- The integrated waste management system will be comprised of effective, efficient source reduction, recycling, composting, and special waste programs that ~~reflect local attitudes, interests and concerns, and that together~~ address local problems and factors. *[moved from goals]*
- For those special wastes that are generated, the goal will be to maximize diversion through recycling and composting, where technically and economically feasible, and to safely dispose of special wastes that cannot be source reduced or diverted. *[moved from second half of former goal 6]*
- The cities and the County will seek means of cooperating on the development, implementation, and monitoring of new diversion programs.

- The cities and county will seek to develop and share information about waste streams and program participation rates that will allow them to target diversion efforts.
- The cities and the county will work together to ensure that any new diversion facilities are appropriately sized, designed, and sited, in order to avoid duplication of effort, unnecessary expenditure of funds, and environmental degradation, and so that the specific integrated waste management needs of each jurisdiction are met.
- The cities and the county will encourage residents, businesses, and institutions to purchase recycled-content products and recyclable, reusable, repairable, durable, and otherwise waste-minimizing products with minimum packaging, and will serve as models by purchasing recyclable, reusable, repairable, durable, and recycled-content products with minimum packaging.
- The cities and the county will work together to encourage residents to reduce their use of hazardous products and the generation of household hazardous wastes; to make recycling of motor oil, latex paint, automotive batteries, and antifreeze as convenient as possible; and to ensure that all residents have access to a means of properly disposing of other household hazardous wastes.
- In order to ensure maximum convenience and high participation rates in diversion programs, residents and businesses will have a choice of diversion program options.
- The jurisdictions of San Mateo County shall support and maintain a diverse reuse, repair, and recycling infrastructure.
- Private industry can and should play a major role in providing solid waste source reduction, recycling, composting and other solid waste diversion opportunities.

Summary Plan Text Changes

1) In Chapter 2 - COUNTY PROFILE AND PLAN ADMINISTRATION

TRANSPORTATION (page 2-2)

The highway system in San Mateo County consists of interstate and state highways, county roads, and local streets. Major roadways include U.S. 101; Interstate 280, and 380; State Highway Routes (SR) 1, 35 (Skyline Blvd.), 82 (El Camino Real), 84 (La Honda/Woodside Road), and 92. San Mateo County is connected to the East Bay by the San Mateo/Hayward Bridge and the Dumbarton Bridge. **The roadway system is heavily congested especially during peak commute hours. Many of the East/West roadways are steep and curvy as they traverse the Santa Cruz Mountain range.** San Francisco International Airport is located in an unincorporated area east of Highway 101. The County also operates two general aviation airports, located just north of Half Moon Bay and in San Carlos. Caltrain Peninsula Rail Service runs commuter trains along the county's sole operating rail line, connecting the Bayside to both Santa Clara County to the south and San Francisco to the north. BART currently runs to Daly City and Colma, and ~~has plans to extend an extension of its line to San Francisco International Airport is under construction.~~ The San Mateo County Transit District (SanTrans) provides local and express bus service throughout San Mateo County, and into both San Francisco and Santa Clara County. The Port of Redwood City, located in Redwood City, is a deep water port used mostly for shipment of dry bulk commodities, including scrap metal, cement, petroleum products, and salt.

2) In Chapter 3- DESCRIPTION OF CURRENT SOLID WASTE MGMT PRACTICES

ORGANIZATION OF SERVICES (page 3-4)

Most of the collected waste flows through one of the five transfer stations located in the county (see Figure 3-1). **All of the transfer stations, except the San Bruno Transfer Station, also receive a large amount of self-hauled material. The This waste is then transferred in long-haul trucks to the Ox Mountain Landfill, located off Highway 92 near Half Moon Bay. Waste from Portola Valley, Woodside, and the unincorporated area of Ladera in the south part of the county and waste from Pacifica and Half Moon Bay and the unincorporated Midcoast areas (Montara, El Granada, Moss Beach) is currently hauled directly to Ox Mountain in collection vehicles without consolidation at a transfer station. Additionally, the Ox Mountain Landfill receives a large amount of self hauled waste. Since the Ox Mountain Landfill is located off highway 92 near Half Moon Bay on the coastside, this requires the transport of waste over highways that are steep, curvy and congested during peak hours. The use permit for the landfill restricts eastbound refuse truck departures from the landfill between 7:00 and 8:00 AM and westbound refuse truck entry to the landfill between 4:00 and 6:00 pm during normal working days, however, increasing concern over traffic congestion and air pollution may result in increased interest in minimizing the number of vehicle trips to the landfill. All of the transfer stations, except the San Bruno Transfer Station, as well as the county's two landfills,**

Summary Plan Corrections

Page	Location	Existing Text	Revision to be Made
1-1	para 2	"...selected for integration in..."	...selected for <i>implementation</i> in
2-3	para 1	"...group will 65+."	...group will <i>be</i> 65+.
3-12	table	RWC tonnage is 13,119.5	should be 103,119.5
3-26	bullet 2	"jurisdictions"	jurisdiction
4-34	last para	"...campaign is not known..."	is <i>now</i> known
3-1	last sent	"Throughout the County, residential collection is manual."	Revise to reflect that the collection method in both the City of Millbrae and San Bruno is semi-automated.
3-4	table 3-1	SSF Scavenger Company says: "Exclusive for residential and commercial wastestreams; not franchised"	Should say: Exclusive for residential and commercial wastestreams including debris boxes.
3-6	table 3-2	Millbrae and San Bruno collection methods listed as "Manual"	Millbrae and San Bruno collection method should be "Semi-Automated"
3-6	table 3-2	Millbrae residents indicated as "having the option of renting wheeled carts at extra cost"	Millbrae residents are provided with wheeled carts for no additional cost at the 96 gallon service level.
3-6	table 3-2	Unincorporated Area "Most areas have backyard collection; a few (e.g., Unincorporated Menlo Park) have curbside with optional backyard service"	The implication is that all parts of the Unincorporated Area have either backyard collection or curbside collection. Please modify to reflect that in the Pescadero area residents bring their solid waste to the Pescadero transfer station for disposal.

ATTACHMENT C (continued)

Page	Location	Existing Text	Revision to be Made
3-4	para 1	"Throughout the county, residential collection is manual."	Add: except in Millbrae and San Bruno where it is semi-automated.
3-10	San Bruno Garbage	No green waste program indicated. A new program started in July.	Add : Green Waste; Hauled to San Bruno Transfer Station, then to Ox Mountain; under marketing strategy - use the same description as listed for BFI
3-17	SB T.S.	"..is located at 1271 Montgomery Ave"	..is located at 101 Tanforan Avenue..
3-17	SB T.S.	"..not open to the general public."	..not open to the general public for solid waste disposal, however there are county-operated events here for public drop-off of water based paints and used oil.
3-10	SB Garb		Under curbside recyclables - delete "Turf Facility".
3-20	last sent.	"..from San Bruno and Pacifica."	Delete "San Bruno".
4-15	para 1	"Millbrae has also implemented clean-up events."	Millbrae and San Bruno have also implemented clean-up events.

In Table 4-1, for San Bruno add the following notations:

Page 4-3

Use variable can rates (X, I)

Community clean-up programs (I)

Develop technical assistance program for commercial businesses (I)

Promote source reduction through public education (I)

Page 4-4

Develop materials for employers to provide source reduction information to employees (I)

Develop and hold source reduction workshops and seminars for residents and businesses (I)

Provide information to businesses on less wasteful packaging alternatives (I)

Incorporate source reduction lessons into school curriculum (I)

Establish awards and public recognition program (I)

Page 4-16

Christmas tree collection and chipping (I)

Backyard composting classes (I)

Page 4-5

City employee training in source reduction (I)

Page 4-6

Advertise workshops (I)

Hold several workshops per year (I)

Page 4-10

Conduct pilot programs for multi-unit residences and mobile homes (I)
Expand single-family curbside programs to include more material types, increase participation and reduce contamination (I)

Conduct surveys to identify opportunities or constraints to commercial recycling (I)

Establish recycling at public places (I)

Enhance city office program (I)

Page 4-11

Train government staff and provide technical assistance to businesses to recycle office paper (I)

Page 4-12

Battery recycle (I) with footnote (t)

Clean-up events (I) with footnote (v)

Footnote t: San Bruno participates in an auto battery recycling program at the transfer station and collects household batteries at residents' curbside.

Footnote v: San Bruno residents can choose their own 2 days for clean-up with some restrictions.

Page 4-19

Waste tire recycling (I)

Page 4-23

Variable can rate promotion (I)

Promote Waste Reduction Guide (I)

Provide waste reduction plans for commercial and/or industrial businesses (I)

Page 4-24

Promote landscape waste reduction (I)

Promote source-separated yard debris collection (I)

Promote white goods, telephone book and Christmas tree recycling programs (I)

Page 4-25

Residential promotional campaign (I)

Community Theme Program (I)

Development of recycling programs and presentations at schools (I)

Print Media:

Advertisements in newspapers and bulletins (I)

Brochure distribution (I)

Direct mail pieces (I)

Community newsletters (I)

Page 4-26

Other Media:

Curbside Recycling Startup Kit (I)

Recycling Startup Kit (I)

Displays (I)

Public Service Announcements (I)

Speciality items (I)

Televisions (I)

School education programs (I)

Recycling and waste reduction brochure (I)

Recycling Starter Kit (I)

Composting demonstration sites and booths (U)

Page 4-27

Office Paper Recycling Guide (I)

Office recycling workshop (I)

Page 4-29

Periodic Temporary HHW Collection Facility (I)

Household/Consumer Battery Collection (*)

**A. LOCAL TASK FORCE COMMENTS: CITY/COUNTY
ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY,
ROSALIE O'MAHONY (10/27/98)**

Responses to Comments on the Summary Plan

- A1** The text of the goals, objectives, and policies has been revised according to the recommendations in Attachment A of the letter.
- A2** Section G has been added to Chapter 3 of the Summary Plan. This section includes the suggestions contained in this comment.
- A3** The text of this comment is included in the new Section G of Chapter 3.
- A4** The text of this comment is included in the new Section G of Chapter 3.
- A5** Appendix B has been added to the Summary Plan that identifies solid waste management professionals in the County.
- A6** Appendix C has been added to the Summary Plan. Appendix C is the current version of the County Recycling Guide. This contains the requested information.
- A7** Appendix D has been added to the Summary Plan. Appendix D is a brief description of the types of products produced from different commonly recycled materials.
- A8** Chapters 2 and 3 of the Summary Plan have been revised according to the recommendations in Attachment B of the letter.
- A9** Errors noted in Attachment C of the letter have been reviewed and verified, and the text of the document has been revised accordingly.



California Integrated Waste Management Board



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www.ciwmb.ca.gov

Peter M. Rooney
Secretary for
Environmental
Protection

Pete Wilson
Governor

B

June 18, 1998

Cheri Puls, Waste Program Manager
San Mateo County Public Works Department
10 Twin Dolphin Drive, Suite C200
Redwood City, CA 94065-1065

Dear Ms. Puls:

The California Integrated Waste Management Board (Board) staff have reviewed the preliminary draft San Mateo County Sting Element (SE) and Summary Plan (SP) for compliance with Chapter 9, Title 14 of the California Code of Regulations (CCR), Planning Guidelines and Procedures for Preparing and Revising Countywide Integrated Waste Management Plans (Guidelines).

As a reminder, the final SE and SP will require environmental review, as specified in the California Environmental Quality Act (CEQA). Board regulation [CCR 18784 (a)(6)] require preparation of a Negative Declaration (ND) or environmental Impact Report (EIR) and the subsequent filing of a Notice of Determination (NOD). The CEQA document must be routed through the /state Clearinghouse when submitting your final SE and SP to the Board.

If you have any questions about the enclosed comments on the plan approval process, please call Yasmin Satter, at (916) 255-2394.

Sincerely,

Bill Huston, Senior
Office of Local Assistance

ATACHMENT 1
SAN MATEO COUNTY PRELIMINARY DRAFT SUMMARY PLAN COMMENTS

In the following comments regarding the preliminary draft Summary Plan (SP), all items that include a reference to the Public Resources Code (PRC) or Title 14, of the California Code of Regulations (CCR) concern statutory and regulatory requirements and should be addressed in the final SP. Requests for definitions, missing information, or clarification of information should also be addressed in the final SP.

CCR Section 18757, General Requirements:

Each jurisdiction within San Mateo County (County) has submitted its Source Reduction and Recycling Element (SRRE), Household Hazardous Waste Element (HHWE), and Non-disposal; Facility Element (NDFE), and the Board has considered these elements. Therefore, it is not necessary to resubmit additional copies of these documents for San Mateo County to have a final Countywide Integrated Waste Management Plan (CIWMP). Submittal of 3 copies of the final County's SE and SP will complete element submittal for the CIWMP.

CCR Section 18757.1, Goals and Objectives:

All regulatory and statutory requirements have been met.

CCR Section 18757.3, Countywide and Regional Agency Profile and Plan Administration:

All regulatory and statutory requirements have been met.

CCR Section 18757.5, Description of Current Solid Waste Management Practices:

All regulatory and statutory requirements have been met.

CCR Section 18757.7, Summary of Source Reduction and Recycling Element, Household Hazardous Waste Element and Nondisposal; Facility Elements:

All regulatory and statutory requirements have been met.

CCR Section 18758, Countywide and Regional Agency Integrated Waste Management Financing:

All regulatory and statutory requirements have been met.

**B. CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD
BILL HUSTON (6-18-98)**

Response to Comments on the Summary Plan

- B1** The CIWMB found that the Summary Plan meets all regulatory and statutory requirements. The comment is noted.

CHUCK KINNEY
MAYOR

PAUL COLLACCHI
MAYOR PRO TEM

ROBERT N. BURMEISTER
COUNCILMEMBER

BERNIE VALENCIA
COUNCILMEMBER

STEPHEN SCHMIDT
COUNCILMEMBER



701 LAUREL STREET / MENLO PARK, CA 94025-3483 / 650.858.3380 / FAX 650.328.7935

July 10, 1998

C

Cheri Puls
San Mateo County Public Works
10 Twin Dolphin Cr., Suite C200
Redwood City, CA 94065-1065

Subject: Comments on Draft Countywide Waste Management Siting Element and Summary Plan

Dear Cheri,

Thank you for the opportunity to comment on the San Mateo County Draft Waste Management Plans as required by the California Integrated Waste Management Act (AB 939). Overall I think the documents are a good summary and contain adequate historical data about the jurisdictions' activities.

I do have the following suggestions for your consideration:

"Summary Plan"

As stated on page 1- 1, the purpose of the Summary Plan is to provide a summary of the significant waste management problems facing the county and cities, the specific steps necessary to achieve required landfill reduction and a statement of the goals and objectives of the County regarding waste management. The Draft Summary Plan summarizes the programs and facilities selected by the jurisdictions in their SRRE's, presents brief descriptions of current waste management and recycling programs in the jurisdictions and outlines countywide programs.

However, the Draft Summary Plan does not adequately describe the factors or problems that are preventing the County from making progress toward the 50% reduction mandate, nor does it outline specific steps that should be take to achieve the 50% reduction. The statement of Goals on page 1-3 is adequate in a general sense, but the Objectives on the following page and on Table 1-2 should spell out much more specifically how the goals and the objectives will be achieved. The same should be done for the Policies section on page 1-4. 2

A similar comment can be made on the section including the summaries of programs selected in the SRRE's in Chapter 4. The text and charts present brief descriptions of programs selected and implemented, but there is no analysis of the effectiveness of the programs or details about how they could be expanded or improved, or what additional programs should be implemented to significantly increase diversion and reduction. For example, there is minimal discussion of commercial/industrial recycling programs and no mention of the low participation and the limited services being offered. There is no evaluation of the outreach efforts or the incentives. Moreover, there is no discussion of how to overcome these problems. Commercial/industrial recycling is also not discussed in the overview of current collection and processing systems in Chapter 3. 2

As stated on page 1-1, the Summary Plan should consider which programs and facilities should be implemented on a countywide basis and how such programs will be structured, designed, financed and administered. The listing of Countywide Programs presented in the Draft Summary Plan (page 4-33) should be analyzed and prioritized for reduction potential. Perhaps there are other programs that would move the jurisdictions more quickly and more economically toward landfill reduction than the programs listed. Two potentially high impact programs that are not listed are promotion of commercial/industrial waste reduction and recycling and construction/demolition waste reduction and recycling. Another area not adequately addressed in the Countywide section of the Draft Summary Plan is the additional staffing that will be necessary to carry out regional efforts. The level of staffing is inadequate for current programs, and therefore would need to be increased for any expansion of countywide efforts.

3

In general I have difficulty in seeing the value of this document if it doesn't present more evaluation of the effectiveness of current programs as well as detailed plans for programs that will achieve the 50% landfill reduction requirement. The Summary Plan can be more than a status report. This document should assist the County and the jurisdictions in finding opportunities for waste reduction and recycling, determining which ones will result in the most cost effective diversion, finding funding and designing programs that will achieve our goals. San Mateo County needs to use the information presented in this draft document as a foundation for a detailed plan to accelerate program implementation in order to avoid AB 939 penalties and to conserve resources.

4

"Siting Element"

Similar comments to those above concerning more detailed analysis and planning can be applied to the Draft Siting Element. In particular, more analysis should be conducted to determine effective ways of conserving future landfill space by diverting more waste from landfills at all transfer facilities and disposal sites. Consideration should be given to banning certain materials from landfills, such as organic landscape materials, concrete and other large loads from construction/demolition sites (e.g. wood and metal). Salvage operations at transfer facilities might be required. Fees for self hauled material that is separated for recycling or reuse could be significantly lower than mixed waste.

In general more plans should be developed to conserve landfill space, rather than detailing long term expansion of landfill capacity. The State requires 15 year capacity, which the County has exceeded in its plans outlined in the Draft Siting Element. With more studies of waste generation and more recycling, waste reduction and reuse program implementation, the permitting of landfill expansion beyond that period is premature at this time.

I hope to have the opportunity to discuss these comments with you and other members of the County with an interest in waste management planning in the near future. I would like to see these documents developed as useful and productive tools as we begin the final 18 month period before the deadline for 50% diversion on January 1, 2000.

Please advise me of any meetings related to these documents or further planning sessions.

Sincerely,



Dianne Dryer
Environmental Coordinator

**C. CITY OF MENLO PARK
DIANNE DRYER (7-10-98)**

Responses to Comments on the Summary Plan

- C1 The suggestions in this comment have been addressed. See comments A1, A2, and A3.
- C2 Analysis of the effectiveness of programs selected by individual jurisdictions or what additional programs should be implemented by the jurisdictions is the subject of each jurisdiction's annual report.
- C3 Please refer to comment A4 and response.
- C4 Please refer to the LTF comments and responses (Letter A).



MONTARA SANITARY DISTRICT

Serving Montara and Moss Beach

Post Office Box 370131
8888 Cabrillo Highway
Montara, CA 94037

Tel: (650)728-3545
Fax: (650)728-8556
george@montara.com

July 8, 1998

D

Cheri Puls
San Mateo County Public Works
10 Twin Dolphin Drive, Suite C200
Redwood City, CA 94065-1065

RE: COUNTYWIDE SITING ELEMENT AND SUMMARY PLAN

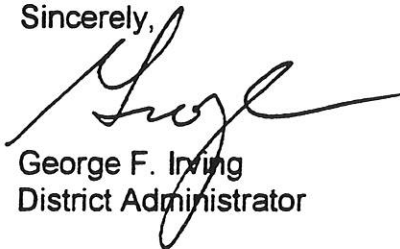
Dear Cheri,

In response to your May 21, 1998 letter requesting comments to the Preliminary Draft of the Countywide Siting Element and the Countywide Summary Plan. The District has reviewed these documents and offers the following comments:

- It is not clear from the documents precisely how the County plans to meet the required 50% diversion rate for the unincorporated area by the year 2000. There should be detailed objectives and timetables against which progress can be measured.] 7
- The Siting Element should include a review and specific action plan to reduce the environmental impact from increased trash-truck traffic on Highway 92. The owner of Ox Mountain Landfill, BFI, should be required to meet whatever mitigation measures are adopted as a condition of receiving approval of the permit to expand the Landfill.

We appreciate the chance to comment on these two documents, and please feel free to contact me if you have any questions.

Sincerely,



George F. Irving
District Administrator

**D. MONTARA SANITARY DISTRICT
GEORGE F. IRVING (7-08-98)**

Responses to Comments on the Summary Plan

- D1** A detailed plan for achieving the 50% recycling rate in the unincorporated areas is contained in the Joint SRRE.



HEALTH SERVICES AGENCY

June 19, 1998

E

Cheri Puls
San Mateo County Public Works
10 Twin Dolphin Drive, Suite # 200
Redwood City, CA 94065

RE: Comments for the preliminary draft Integrated Waste Management Plan

Dear Ms. Puls:

Thank you for the opportunity to review the preliminary draft of the San Mateo County Integrated Waste Management Plan Sitting Element and Summary Plan. As the Local Enforcement Agency (LEA) for San Mateo County, our office has developed a few comments regarding information in the plan. The comments are regarding the following, Hillside Landfill, Tilo Company, Ox Mountain expansion, composting programs and special waste handling programs.

Hillside Landfill

The statement "...the landfill is expected to close once it reaches its permitted capacity," is regarding the closure of Hillside Landfill. This statement from the sitting element and summary plan (Page IV-2 and 3-13 respectively) is inaccurate. The Hillside closure plan is based on a closure date of September 2001. The parcel which contains the current landfill operation was purchased from San Mateo County and its use is conditioned by the 1986 San Mateo County Use Permit 87-8 and the U.S. Fish and Wildlife Service Permit PRT 2-9818. Essentially, these permits state ~~that the facility shall cease operations~~ (in the parcel) on June 1999 or until ~~the facility reaches its permitted capacity~~ whichever comes first. Therefore, the information in the closure plan is inaccurate. Unless the use and U.S. Fish and Wildlife permits can be amended, the closure date for Hillside Landfill should be changed to reflect the landfills current status.

1

Tilo Company

Recently, the California Integrated Waste Management Board has developed regulations regarding the permitting and enforcement of composting and organic storage operations and facilities. The Tilo Company (Page 3-23 summary plan) is required to obtain a standardized permit and must comply with the current composting regulations. Tilo Company and the South San Francisco Water Quality Control Plant are working with our office to obtain this permit. In regards to the composting operations, coffee grounds are no longer used as a bulking agent and the sludge is composted using a modified windrow process and not in static piles.

2

PUBLIC HEALTH AND ENVIRONMENTAL PROTECTION DIVISION

Board of Supervisors: Ruben Barrales • Richard S. Gordon • Mary Griffin • Tom Huening • Michael D. Nevin • Health Services Director: Margaret Taylor
590 Hamilton Street • Redwood City, California 94063 • PHONE 650.363.4305 • TDD 650.573.3206 • FAX 650.363.7882

17

Cheri Puls
Page 2
June 19, 1998

Ox Mountain expansion

The proposed Ox Mountain expansion is northwest of the current landfill operation. (Figure IV-1 and Page VI-2 sitting element).

3

Composting Program

Table 4-3 on Page 4-16 of the summary plan lists several composting operations in the County. Two in Millbrae, one in Pacifica, and one in San Bruno. As the LEA, our office is unaware of these operations. Please be advised that, these facilities may require composting permits and must comply with state composting regulations. Please provide information regarding these facilities to our office if necessary include location, contact person, size, etc.

4

Special Waste Programs

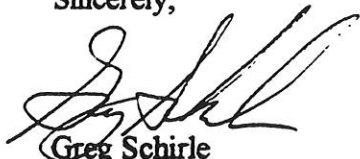
A dead animal disposal program has been listed for the City of Pacifica in Table LI-4 of the summary plan. Dead animal disposal at Ox Mountain is prohibited. The Peninsula Humane Society is the main facility for the disposal of dead animals within the County. Therefore, please provide information regarding the disposal of the animals at this facility in Pacifica.

5

Thank you again for the opportunity to review the preliminary draft of the Integrated Waste Management Plan. Our comments pertain only to Solid Waste handling and disposal facilities.

Should you have any questions or comments regarding this letter, please call me at (650) 363-4797.

Sincerely,



Greg Schirle
Solid Waste Specialist

GS/jb

cc: Dean Peterson, Program Manager

E. COUNTY OF SAN MATEO HEALTH SERVICES AGENCY GREG SCHIRLE (6-19-98)

Responses to Comments on the Summary Plan

- E1** The County is currently holding discussions with the owners of the Hillside Landfill and the U.S. Fish and Wildlife Service to determine the proper closure date for the Hillside Landfill. The text of both the Siting Element and the Summary Plan has been revised to reflect the current state of affairs.
- E2** Since this letter was written, the Health Services Agency has provided further information. The Tillo facility has now received a solid waste facility permit. The text has been revised to reflect this, and to include the information on the changes in composting feedstocks and practices.
- E3** The text has been revised as per the comment.
- E4** Current information on composting and other diversion programs is taken from the annual reports of the jurisdictions. The Windrow Composting program in Millbrae refers to the fact that some yard debris collected by South San Francisco Scavenger Co. from Millbrae is taken to a permitted composting facility in Santa Clara County. The Yard Waste Recovery through Mixed Waste Processing program refers to the activities at the Blue Line Transfer Station, where some yard debris is separated from self-haul loads at the facility. Informal, small-scale manure composting in San Bruno occurs at the Skyline Stable. According to staff at the City of Pacifica Wastewater Treatment Plant, the plant conducted a short-term sewage sludge composting project, but this has been discontinued. The City intends to compost sewage sludge at the new plant when it comes on line, probably in 1999.
- E5** According to the City of Pacifica SRRE, Special Waste Component, management of dead animals in Pacifica is handled by the Peninsula Humane Society.

F



July 7, 1998

Office Of The
Director of Public Works

Ms. Cheri Puls
Waste Programs Manager
County of San Mateo
10 Twin Dolphin Drive, Suite C-200
Redwood City, CA 94065

Subject: Preliminary Draft Countywide Siting Element and Countywide Summary Plan

Dear Ms. Puls,

The City has received and reviewed the Preliminary Draft Countywide Siting Element and Countywide Summary Plan. As requested by your letter of May 20, the enclosed comments are forwarded. If you have any questions please contact me at 650-829-6650.

Sincerely,

John Gibbs
Director of Public Works

enclosure: South San Francisco Scavenger Company Inc. Letter dated June 30, 1998
Planning Division Memo to Dennis Chuck, dated July 2, 1998

cc: City Manager w/enclosures

c:\wrd\jng\correspondence\jg\lrm2m00

CITY OF SOUTH SAN FRANCISCO INTER-OFFICE MEMORANDUM

DATE: July 2, 1998
TO: Dennis Chuck, Senior Civil Engineer
FROM: Michael Lappen, Consulting Planner
SUBJECT: Response to the Preliminary Draft San Mateo County Integrated Waste Management Plan Siting Element and Summary Plan

Per your request, I am providing you with comments to the Preliminary Draft San Mateo County Integrated Waste Management Siting Element and Summary Plan.

Consistency with the City's Existing General Plan and Zoning Ordinance

As stated in both draft Plans, the majority of the County's overall goals and policies are consistent with the City General Plan, the East of 101 Area Plan, and the Zoning Ordinance.] 1

On the other hand, the County's proposal to encourage the South San Francisco Scavengers Company to site a materials recovery facility (MRF) and household hazardous waste facility (HHW) in South San Francisco may be inconsistent with the current General Plan and East of 101 Area Plan and is inconsistent with the Zoning Ordinance. Specifically, the County's Plans address the South San Francisco Scavengers Company's need to build a new materials recovery facility and garbage transfer station (TS) in its service area (Brisbane, South San Francisco, Millbrae and SFO). The County's Plans also call for locating a new household hazardous waste collection facility at the Scavenger's facility in South San Francisco.] 2

General Plan and East of 101 Area Plan Guidelines

The General Plan does not address MRF/TS or HHW facilities. The East of 101 Area Plan permits recycling facilities/ or waste transfer facilities on sites designated Light Industrial subject to the property being greater than 300 lineal feet from any other land use category. HHW facilities are not addressed in the East of 101 Plan.] 3

Zoning Ordinance

Currently, the Zoning Ordinance (Chapter 20.75) does not permit the construction of a MRF/TS facility in the City of South San Francisco. Specifically, the Ordinance does not permit a heavy processing facility (over 40,000 square feet) to be located in the city. Additionally, the Zoning] 4

Ordinance does not provide an adequate definition for both a materials recovery facility and garbage transfer station or a household hazardous waste facility (20.75.020).

4(cont)

South San Francisco Scavengers Company Materials Recovery Facility Proposal

In January, the South San Francisco Scavengers Company, Inc. (SSFSC) submitted an application to construct and operate the material recovery facility and garbage transfer station in the East of 101 area and begin the City and CEQA review processes. The major objectives of the project are the consolidation of existing refuse disposal operations within the city, the diversion of recyclable material from the waste stream through the construction of a state-of-the-art MRF, and transportation of municipal waste to the landfill. The facility will also include the County's Household Hazardous Waste Collection Facility.

The proposed MRF/TS is anticipated to be operational by the 1999 and is anticipated to enable the City to achieve the state-mandated 50 percent reduction of the waste stream through source reduction, recycling and composting by 2000.

Required Entitlements

At this time, Planning staff has determined that the project will require approval of the following City entitlements:

1. An amendment to the General Plan (East of 101 Area Plan) to change the designation from Coastal Commercial to Light Industrial.
2. An amendment to the Zoning Ordinance to change the zoning designation from Planned Industrial to Light Industrial.
3. An amendment to the Zoning Ordinance that will permit a MRF/TS facility to operate in the City of South San Francisco.
4. A Use Permit.

In addition, an Environmental Impact Report (EIR) will be prepared. The project will also require several permits from outside agencies: A development permit from the Bay Conservation and Development Commission (BCDC) for a small portion of the site within the 100-foot shoreline band; a permit from the Army Corps of Engineers; and, an operational permit from the California Integrated Waste Management Board.

To date, Planning staff has met with the applicant on number of occasions to discuss the application requirements. The City has also contracted with Environmental Science Associates (ESA) to prepare the EIR. The EIR process is scheduled to begin in March. I estimate that the project will be ready for Planning Commission review after September this year.

5



Generally, a completed application will be processed according to the City's hearing schedule for the Design Review Board, the Planning Commission and the City Council. Since this project will require an Environmental Impact Review (EIR), the application process will take into consideration CEQA and the City's review processes.

5 (cont)

**F. CITY OF SOUTH SAN FRANCISCO
JOHN GIBBS (7-07-98)**

Responses to Comments on the Summary Plan

- F1** Comment noted.
- F2** The County does not propose to encourage South San Francisco Scavenger Company to site a MRF and HHW facility in South San Francisco. The Summary Plan merely notes that there is a pending application for such a facility.
- F3** Siting of solid waste facilities within the City of South San Francisco is subject to local planning and land use decision making processes.
- F4** See response to previous comment.
- F5** Comment noted.



G

**SOUTH SAN FRANCISCO
SCAVENGER COMPANY, INC.**
P.O. BOX 348

69 SOUTH LINDEN AVENUE ★ SOUTH SAN FRANCISCO, CALIF. 94083-0348
(415) 589-4020 FAX (415) 589-7385

June 30, 1998

Mr. Dennis Chuck
Senior Civil Engineer
Engineering Division
400 Grand Avenue
South San Francisco, CA 94080

RE: San Mateo Draft Countywide Siting Element and Countywide Summary Plan

Dear Dennis,

I've taken the opportunity to review the draft plans and have several minor comments. What I have done is to copy the appropriate page and mark the corrections.

Pages (attached)

- Page 3-4
- Page 3-11
- Page 3-20

If you have any questions, please contact me at (550) 589-4020 at your earliest convenience.

Sincerely,

Stephanie Uccelli Menner
South San Francisco Scavenger Company

Attachments

200-2000000000

JUN 30 1998

RECEIVED

3. DESCRIPTION OF CURRENT SOLID WASTE MANAGEMENT PRACTICES

**TABLE 3-1 (Continued)
ORGANIZATION OF SOLID WASTE MANAGEMENT IN SAN MATEO COUNTY**

Service Provider/ Jurisdiction	Franchise	Transfer Station	Landfill	Notes
Los Altos Garbage Company (cont.)				
Ladera	Exclusive Franchise granted by West Bay Sanitary District for all wastestreams, including debris boxes	Direct Haul	Newby Island Landfill (Santa Clara County); some material also going to Ox Mountain.	
Peninsula Sanitation				
Stanford Linear Accelerator (Unincorporated area)	Contract with Stanford Linear Accelerator	Direct haul	Newby Island	
San Bruno Garbage Co.				
San Bruno	Exclusive for all wastestreams including debris boxes	San Bruno Transfer Station	Ox Mountain	
San Francisco Jail	Contract	San Bruno Transfer Station	Ox Mountain	
South San Francisco Scavenger Company				
Brisbane Millbrae South San Francisco	Exclusive for residential and commercial wastestreams; not franchised	Blue Line Transfer Station	Ox Mountain] 1
SFO	Contract	Blue Line Transfer Station	Ox Mountain	

SOURCE: SRREs, service providers, city and County contacts.

is manual; that is, the collectors must manually empty the container into the truck. Waste is collected from commercial accounts with rear-loaders, front-loaders, and roll-on/roll-off trucks.

Most of the collected waste flows through one of the five transfer stations located in the county (see Figure 3-1). The waste is then transferred in long-haul trucks to the Ox Mountain Landfill.

TABLE 3-3 (Continued)
**MATERIALS TRANSPORTATION AND MARKETING STRATEGIES
 (BY SERVICE PROVIDER)**

Service Provider/Material	Current Transportation and Storage Methods	Transportation Needs	Marketing Strategy
South San Francisco Scavenger Co. (cont.)			
Curbside recyclables	Source separated materials are hauled to facility on South Linden Avenue for processing, then hauled to market	None identified	South San Francisco Scavenger Co. markets materials directly to end users or through brokers
Commercial recyclables	Selected loads are brought to Blue Line Transfer Station and processed separately in MRF operation. Separated materials are baled and shipped to market; some materials are routed to South Linden Avenue facility for processing	None identified	South San Francisco Scavenger Co. markets materials directly to end users or through brokers
Green waste	Hauled to Blue Line Transfer Station, then to Zanker Road Compost Facility in Santa Clara County	None identified	Zanker Road Compost Facility markets material; some is back-hauled to Blue Line Transfer Station and given away to customers

INCORRECT (should be eliminated) 2

SOURCE: Service provider and jurisdiction contacts.

The total permitted design capacity for Ox Mountain is 37.9 million cubic yards. The facility is located on 173 acres. A planned expansion within Corinda Los Trancos canyon would increase the design capacity by an additional 10.4 million cubic yards, and increase the site to 184 acres.

As of January 1, 1996, the in-place refuse at Ox Mountain consumed 12.3 million cubic yards. Therefore, the remaining capacity without the planned expansion as of that date was 25.6 million cubic yards. With the expansion, the landfill's remaining capacity would be 36 million cubic yards.

facility may accept a maximum of 600 tons of waste per day. During 1996, the facility received and transferred 142,664 tons of material.

South San Francisco Scavenger operates a materials recovery facility within the transfer station. Materials are sorted and salvaged from selected commercial loads. Materials recovered include cardboard, beverage containers, office paper, and green waste. During 1996, the facility recovered 3,904 tons of recyclables and 5,482 tons of green waste. Additional salvaging activities may be implemented if deemed cost effective and/or if needed to meet the 50 percent diversion goal.

South San Francisco Scavenger intends to build a new integrated facility at another location in South San Francisco. Preliminary plans call for a much larger facility that would allow for transfer, salvage, and processing of source separated recyclables. Currently South San Francisco Scavenger processes source separated recyclables at its yard on South Linden Avenue.

add → and commingled

} 3

SOUTH BAYSIDE INTEGRATED FACILITY

South Bayside Integrated Facility is located at 225 and 333 Shoreway Road in the City of San Carlos (see Figure 3-7). The facility is owned and operated by BFI-San Mateo. It is a Transfer Station/Material Recovery Facility which handles waste and source-separated recyclables received from residential and commercial collection programs, the general public, and from private self-haulers. Jurisdictions using the facility include the cities of Atherton, Belmont, Burlingame, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Portola Valley, Redwood City, San Carlos, San Mateo, Woodside and portions of unincorporated San Mateo County. As a general rule, wastes, green waste, and recyclables from each of these jurisdictions are brought to the facility. The facility's SWFP indicates that the facility may accept a maximum of 3,000 tons of waste per day. The facility recovers over five percent of the materials it receives.

The MRF portion of the facility, called "The Recyclery," utilizes sorting lines to separate commingled recyclables and remove contaminants. Separated materials are then baled or otherwise prepared for market. The Recyclery also operates a buy-back and drop-off operation.

At the transfer station, refuse is placed into long-haul trucks and delivered to the Ox Mountain Landfill. Greenwaste collected curbside by BFI-San Mateo is tipped onto a separate area of the transfer station and hauled in a separate truck to Ox Mountain for processing. Additional salvaging activities may be implemented if deemed cost effective and/or if needed to meet the 50 percent diversion goal.

TOTAL URBAN RECYCLING FACILITY (TURF)

Norcal Waste System's Total Urban Recycling Facility (TURF) is located at their multi-functional solid waste facility (MFSWF) on Tunnel Avenue, straddling the border between San Francisco City and County and the City of Brisbane in San Mateo County (see Figure 3-8). The TURF receives and processes curbside materials from San Bruno and Pacifica.

**G. SOUTH SAN FRANCISCO SCAVENGER COMPANY
STEPHANIE UCCELLI (6-30-98)**

Responses to Comments on the Summary Plan

- G1** The text of the Summary Plan has been changed to reflect the corrected information.
- G2** The text of the Summary Plan has been changed to reflect the corrected information.
- G3** The text of the Summary Plan has been changed to reflect the corrected information.

APPENDIX B

LIST OF INTEGRATED WASTE MANAGEMENT CONTACTS IN SAN MATEO COUNTY JURISDICTIONS

SAN MATEO COUNTY
CITY AND COUNTY RECYCLING CONTACTS
12-30-98

Cheri Puls
Solid Waste Programs
San Mateo County
10 Twin Dolphin Dr., #C200
Redwood City, CA 94065
599-1412 Fax: 594-9980

Don Guluzzy
Town Manager
Town of Atherton
91 Ashfield Road
Atherton, CA 94027-3896
688-6504 Fax: 688-6528

Sherwin Williams
Management Analyst
City of Belmont
1070 Sixth Avenue #300
Belmont, CA 94002
595-7409 Fax: 637-2982

Robin Leiter
City Manager
City of Brisbane
50 Park Lane
Brisbane, CA 94005
(415)467-4610 Fax: 467-4989

Rahn Becker
Asst. City Manager
City of Burlingame
501 Primrose Road
Burlingame, CA 94010
696-7222 Fax: 342-8386

Linda Pappasdziaz
Town Manager
Town of Colma
1188 El Camino Real
Colma, CA 94014
997-8300 Fax: 997-8308

Joseph Curran
Management Analyst
City of Daly City
333 90th Street
Daly City, CA 94015
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Michael Bethke
Planning Director
City of East Palo Alto
2200 University Avenue
East Palo Alto, CA 94303
853-3105 Fax 853-3179

John Lisenko
Public Works Director
City of Foster City
610 Foster City Blvd.
Foster City, CA 94404
286-3270 Fax: 345-4626

Therese Ambrosi Smith
Public Works Director
City of Half Moon Bay
501 Main Street
Half Moon Bay, CA 94019
726-8260 Fax: 726-9389

Martha Debry
Asst. to City Manager
Town of Hillsborough
1600 Floribunda Avenue
Hillsborough, CA 94010
579-3800 Fax: 340-1555

Dianne Dryer
Environmental Coordinator
City of Menlo Park
701 Laurel Street
Menlo Park, CA 94025
858-3411 Fax: 328-7935

Lou Sandrini
Public Works Director
City of Millbrae
621 Magnolia Avenue
Millbrae, CA 94030
259-2339 Fax: 697-8158

Diane Ceravolo
General Services Director
City of Pacifica
170 Santa Maria Avenue
Pacifica, CA 94044
738-7302 Fax: 359-6038

Alex McIntyre
Chief Administrative Officer
Town of Portola Valley
765 Portola Road
Portola Valley, CA 94028
851-1700 x15 Fax: 851-4677

Maureen Riordan
Planning Department
City of Redwood City
1017 Middlefield Road
Redwood City, CA 94064
780-7236 Fax: 780-0128

Scott Chadd
Public Works Director
City of San Bruno
567 El Camino Real
San Bruno, CA 94066
877-8865 Fax: 873-6749

Lisa Costa-Sanders
Assistant Planner
City of San Carlos
600 Elm Street
San Carlos, CA 94070
802-4207 Fax: 802-4386

Arch Perry
Public Works Director
City of San Mateo
330 West 20th Avenue
San Mateo, CA 94403
377-3315 Fax: 522-7301

John Gibbs
Public Works Director
City of South San Francisco
P.O. Box 711
So. San Francisco, CA 94083
877-8538 Fax: 829-6665

Susan George
Town Manager
Town of Woodside
P. O. Box 620005
Woodside, CA 94062
851-6790 Fax: 851-2195

FRANCHISED HAULERS & LANDFILLS
12-30-98

HAULERS:

Dan Day
District Vice-President
Browning-Ferris Industries
225 Shoreway Road
San Carlos, CA 94070
592-2411

John Zirelli
District Manager
BFI - Daly City
1680 Edgeworth Avenue
Daly City, CA 94015
756-1130

Stacey August
General Manager
GreenWaste Recovery
625 Charles Street
San Jose, CA 95112
568-9900

Bill Jones
General Manager
Los Altos Garbage Company
650 Martin Avenue
Santa Clara, CA 95050
961-8040

Michael Schaukowitch
General Manager
San Bruno Garbage Company
101 Tanforan Avenue
San Bruno, CA 94066
583-8536

Christine Crescio-Porter
Manager
Seacoast Disp/Coastside Scav
P.O. Box 1099
Pacifica, CA 94044
355-9000

Doug Button
Partner/Owner
So. San Francisco Scavenger Co.
69 South Linden Avenue
South San Francisco, CA 94080
589-4020

LANDFILLS:

Gil Cheso
Manager
Ox Mountain Landfill
12310 Highway 92
Half Moon Bay, CA 94109
726-6469

Brent Edmonds
Manager
Hillside Landfill
1500 Hillside Blvd
Colma, CA 94014
755-6978

SOLID WASTE ADVISORY COMMITTEE MEMBERS

12/31/98

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County of San Mateo
400 County Center
Redwood City, CA 94063
363-4571

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501 Main Street
Half Moon Bay, CA 94019
726-8270

Madolyn Agrimonti
City Councilwoman
City of Daly City
333 - 90th Street
Daly City, CA 94015
991-8000

Daniel Quigg
City Councilman
City of Millbrae
621 Magnolia Avenue
Millbrae, CA 94030
259-2334

Barbara Carr
City Councilwoman
City of Pacifica
170 Santa Maria Avenue
Pacifica, CA 94044
738-7300

Dennis Fisticaro
City Councilman
Town of Colma
1188 El Camino Real
Colma, CA 94014
997-8300

Mike King
City Councilman
City of San Carlos
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San Carlos, CA 94070
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South San Francisco, CA 94080
589-4020

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San Jose, CA 95112
568-9900

Jim Bewley
Manager
South Bayside System Authority
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Redwood City, CA 94065
591-7121

Stanford Statner
Independent Recyclers Association
C/O Future Fibre
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San Mateo, CA 94401
344-9502

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Public Representative
141 Madison Avenue
San Bruno, CA 94066
589-3176

Maeva Neale
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P.O. Box 727
Pescadero, CA 94060
879-0218

Kelly Moran
Public Representative
4020 Bayview Avenue
San Mateo, CA 94403
574-2549

Toni Weil Stein
Public Representative
585 Morey Drive
Menlo Park, CA 94025
853-0314

SOUTH BAYSIDE TRANSFER STATION AUTHORITY
12-30-98

MEMBERS:

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Redwood City, CA 94065-1065
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Town of Atherton
91 Ashfield Road
Atherton, CA 94027-3896
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Management Analyst
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Belmont, CA 94002
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Rahn Becker
Assistant City Manager
City of Burlingame
501 Primrose Road
Burlingame, CA 94010
696-7222 Fax: 342-8386

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East Palo Alto, CA 94303
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City of Foster City
610 Foster City Blvd
Foster City, CA 94404
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Hillsborough, CA 94010
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City of Menlo Park
701 Laurel Street
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1017 Middlefield Road
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Mike Garvey (Chair)
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West Bay Sanitary District
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San Carlos, CA 94070
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Redwood City, CA 94065-1065
599-7363 Fax: 594-9980

Clay Reigel
Commercial Recy. Coordinator
10 Twin Dolphin Drive, #C-200
Redwood City, CA 94065-1065
599-1485 Fax: 594-9980

APPENDIX C

SAN MATEO COUNTY RECYCLING SERVICES DIRECTORY

RECYCLING SERVICES DIRECTORY

SAN MATEO COUNTY

JANUARY 1999

CONTENTS

- Drop-off Locations and Buyback Facilities (metals, glass, plastics, paper)
- Drop-off Facilities for Automotive Wastes (antifreeze, auto batteries, motor oil, oil filters, tires)
- Residential Curbside Information

ADDITIONAL INFORMATION SOURCES

San Mateo County Recycling Coordinator
Household Hazardous Waste Disposal
Commercial Hazardous Waste Disposal
State Recycling Hotline
State Department of Conservation/Division of Recycling
Commercial Collection Services

(650) 599-1498
(650) 363-4718
(650) 363-4305
(800) 553-2962
(800) 732-9253
call your waste hauler or
the San Mateo County Recycling Coordinator

If you have questions, comments, suggestions or additions to this directory, please call the San Mateo County Department of Public Works at (650) 599-1498. A listing does not constitute an endorsement by San Mateo County or any of the cities within the county.

ABBREVIATIONS USED AND DESCRIPTION OF MATERIALS

Alum Cans:	Aluminum beverage cans marked "CA redemption value"
Steel Cans:	Food and beverage cans (also referred to as "tin cans")
Bi-metal:	Steel cans with an aluminum top marked "CA redemption value" such as Sapporo and Fosters
Redp Glass:	Redemption glass: Glass beverage containers marked "CA redemption value"
Bot/Jars:	Bottles/Jars: Glass bottles and jars from food and beverage products <u>not</u> marked "CA redemption value"
#1 Plast Redp:	#1 (PET) Plastic Redemption: Plastic bottles with a "1" on the bottom, marked "CA redemption value" (soda and mixer)
#1 Plast Other:	#1(PET) Plastic Other: Plastic bottles with a "1" on the bottom, <u>not</u> marked "CA redemption value (some bottled waters)
#2 Plast Natl:	#2 (HDPE) Plastic Natural: Plastic containers with a "2" on the bottom that are clear or opaque (milk and water containers)
#2 Plast Color:	#2 (HDPE) Plastic Colored: Plastic containers of any color with a "2" on the bottom (bleach, detergent, dish soap)
Pack Pnts:	Packing Peanuts: Polystyrene (trade name styrofoam) packing peanuts used for shipping breakables
Corr Cdbd:	Corrugated Cardboard: Cardboard that has three layers when viewed from the side; the middle layer is wavy
Newspaper:	Newspaper: Some places will accept the inserts that arrive with the newspaper, others will not
White Paper:	White Paper: White bond paper, typing paper, white envelopes <u>without</u> windows
Cmptr Paper:	Computer Paper: Paper that is fed through a computer using a strip of holes on each side
Color Paper:	Colored Paper: Colored paper such as colored letterhead and colored flyers
Mags:	Magazines: Magazines that are glossy; usually does not include catalogs (put catalogs with mixed paper)
Phonebooks:	Phonebooks: Telephone book directories
Mixed Paper:	Mixed Paper: Other types of paper such as junk mail, street maps, manila envelopes (call facility for specifics)

Information in this guide may change after publication. It is recommended that you call the recycling center to verify information before delivering materials. Please only deliver materials that the center accepts (otherwise they will become garbage), and only leave your recyclable materials during operating hours.

DROP-OFF LOCATIONS AND BUYBACK RECYCLING FACILITIES

NAME/TELEPHONE #	METALS			GLASS		PLASTICS					PAPER						OTHER MATERIALS ACCEPTED/NOTES	HOURS		
	Alum Cans	Steel Cans	Bi-Metal Cans	Redp Glass	Bot/Jars	#1 Redp	#1 Other	#2 Natl	#2 Plast Color	Pack Pnts	Corr Cdbd	News papr	White Paper	Cmptr Paper	Color Paper	Mags books			Phone books	Mixed Paper
Bayshore Recycling Tunnel and Beatty San Francisco (415) 330-1340	B	D	B	B	D	B	D	D	D		B	D		B					aluminum foil, scrap aluminum	M-Sa 9-4:15
BFI Recyclery 333 Shoreway Road San Carlos (650) 637-1411	B	D	B	B	D	B	D	D	D		D	D		D	D		D			M-Sa 8:30-4
Blue Line Transfer Station 180 Oyster Point Blvd South San Francisco (650) 589-5511	B	D	B	B	D	B	D	D	D		B	D		D	D		D		oil, oil filters, antifreeze, latex paint, auto & household batteries, will accept tires, appliances, scrap metal and wood for a fee	M-F 6-4:30 Sa 7-4:30
Ox Mountain Landfill 12310 Highway 92 Half Moon Bay (650) 726-4718	B	D	B	B	D	B	D	D	D		B	D		D	D		D		grocery bags, antifreeze, auto batteries, motor oil, oil filters, will accept appliances, tires and wood for a fee	M-Sa 8-4:30
Palo Alto Recycling Center 2380 Embarcadero Road Palo Alto (650) 496-5910	D	D	D	D	D	D	D	D	D		D	D		D	D		D		scrap metal, polystyrene pkg material, will accept up to 5 gallons motor oil from Palo Alto residents only	M 9-1 T-Su 9-5
Pescadero Transfer Station Bean Hollow Road and Artichoke Pescadero (650) 879-0729	D	D	D	D	D	D	D	D	D		D	D					D		auto batteries, motor oil, oil filters, will accept appliances and wood for a fee	F-Tu 9-4:30
Stanford Recycling Center 701 Serra Street Stanford Campus (650) 723-0919 & 321-4236	D	D	D	D	D	D	D	D	D		D	D		D	D		D		aluminum foil, cereal boxes, California wine bottles	M-F 8-5 S 9-5
Enterprise Recycling 3641 Haven Avenue Menlo Park (650) 364-3333	B		B	B		B					B			B	B		D		coated paper, call first if phone books are in large quantity	M-F 8-6 Sa 9-4
Heckman Metals 220 Demeter Street East Palo Alto (650) 324-9666	B		B	B		B					B								pay cash for non-ferrous metal including copper, brass, radiators, scrap aluminum, stainless steel, lead, and electronic breakage (call)	M-F 8-4 Sa 9-12

Legend: **B-buyback** (will pay you for materials delivered), **D-drop-off** (will accept materials delivered but will not pay), **DF-free charged** (facility will charge you to drop-off materials)

DROP-OFF LOCATIONS AND BUYBACK RECYCLING FACILITIES

NAME/TELEPHONE #	METALS			GLASS		PLASTICS				PAPER						OTHER MATERIALS ACCEPTED/NOTES	HOURS						
	Alum Cans	Steel Cans	Bi-Metal Cans	Redp Glass	Bot/ Jars	#1 Plast Redp	#1 Plast Other	#2 Plast Natl	#2 Plast Color	Pack Pnts	Corr Cdbd	News papr	White Paper	Cmptr Paper	Color Paper			Mags	Phone books	Mixed Paper			
Reynolds Aluminum Recycling (800) 637-6951 (510) 651-6204	B		B	B		B														pay cash for household aluminum foil and foil products such as pie pans and TV dinner trays; aluminum scrap such as lawn furniture tubing, screen door and window frames, pots, pans, siding, downspouts and gutters; and cast aluminum such as automobile parts	T-F 10-5 Sa 9-4		
Serramonte Shopping Center behind Montgomery Wards Hwy 280 and Serramonte Blvd Daly City	B		B	B		B																	
Payless Shopping Center Concar Drive and Delaware San Mateo	B		B	B		B																	
Millbrae Square Shopping Center 701 Broadway Millbrae	B		B	B		B																	
QFI Broadway and Chestnut Redwood City	B		B	B		B																	
Bell Market 1015 El Camino Real South San Francisco	B		B	B		B																	
Safeway 70 N. Cabrillo Hwy Half Moon Bay	B		B	B		B																	
F P International 1093 Charter Street Redwood City (650) 364-1145																						M-F 8-6	
Mailboxes Etc. most locations check telephone book																							call indiv loc
Yerba Buena Nursery 19500 Skyline Blvd Woodside [call for directions] (650) 851-1668																							M-Su 9-5
Hillside Landfill Sandhill Road off Hillside Blvd Colma (650) 992-3388	DF	DF	DF	DF	DF	DF	DF	DF	DF		DF	DF	DF	DF	DF	DF	DF	DF	DF	DF	DF	DF	M-Su 7-5

Legend: **B-buyback** (will pay you for materials delivered), **D-drop-off** (will accept materials delivered but will not pay), **DF-free charged** (facility will charge you to drop-off materials)

DROP-OFF LOCATIONS AND BUYBACK RECYCLING FACILITIES

NAME/TELEPHONE #	METALS		GLASS		PLASTICS			PAPER						OTHER MATERIALS ACCEPTED/NOTES	HOURS						
	Alum Cans	Steel Cans	Bi-Metal Cans	Redp Glass	Bot/ Jars	#1 Redp	#1 Plast Other	#2 Natl	#2 Plast Color	Pack Pnts	Corr Cdbd	News papr	White Paper			Cmptr Paper	Color Paper	Mags	Phone books	Mixed Paper	
San Carlos Transfer Station 225 Shoreway Road San Carlos (650) 592-0255																			antifreeze, motor oil, will accept appliances, scrap metal, tires, and wood for a fee	M-Su 8-5	
Elk's Club 229 West 20th Avenue San Mateo (650) 345-4886	D			D	D							D								24 hrs	
Peninsula Conservation Center 3921 E. Bayshore Road Palo Alto (650) 962-9876																D				24 hrs	
Coastside/Seacoast Recy Yard 1046 Palmetto Avenue Pacifica (650) 355-8400																				open to residents from Pacifica to Miramar only; brass, copper pipe, furniture, lumber, appliances, mattresses, meat trays if clean, auto batteries	M-F 8-12/1-4 Sa 8-12pm
Sims LMC Recyclers 699 Seaport Place Redwood City (650) 369-4161	B	D	B	B	D	B	D	D	D											M-F 8-4:30 Sa 7:30-1:30	
LOCATIONS FARTHER AWAY																					
Foothill Disposal Company 935 Terra Bella Avenue Mt. View (408) 967-3034	B	D	B	B	D	B	D	D	D											aluminum foil, pie tins, cereal boxes	T-Sa 9-3
BFI Recyclery 1601 Dixon Landing Road Milpitas (408) 262-1401	B	D	B	B	D	B	D	B	B											scrap aluminum, copper, brass, cereal boxes	M-F 7:30-5 Sa 7:30-4

Legend: **B-buyback** (will pay you for materials delivered), **D-drop-off** (will accept materials delivered but will not pay), **DF-fee charged** (facility will charge you to drop-off materials)

RECYCLING CENTERS FOR "CA REDEMPTION VALUE" BEVERAGE CONTAINERS

Facilities will pay for aluminum, glass, and plastic beverage containers marked "CA Redemption Value". The beverage container buyback programs are administered by the State Department of Conservation/Division of Recycling. If you have questions or comments about the program please call the department at 800-732-9253 or 916-327-7361.

		1655 El Camino Real (510) 265-2380	
<u>Belmont</u>	20/20 Recycle Center/Lunardi's Market 1086 Alameda de las Pulgas (510) 265-2380	20/20 Recycle Center/Safeway Store 1015 Terra Nova Blvd (510) 265-2380	20/20 Recycle Center/Marina Food Market 2992 S Norfolk Street (510) 265-2380
<u>Burlingame</u>	20/20 Recycle Center/Safeway Store 1450 Howard Avenue (510) 265-2380	20/20 Recycle Center/Safeway Store 12 Manor Plaza (510) 265-2380	<u>South San Francisco</u> NORCAL Recycling Buyback 2255 Gellert Street (415) 252-7388
<u>Daly City</u>	20/20 Recycle Center/Lucky Store 255 San Pedro Road (510) 487-2048	20/20 Recycle Center/Lucky Store 200 Woodside Plaza (510) 265-2380	Royal Salvage Company, Inc. 180 Oyster Point Blvd (415) 589-5511
TOMRA-Pacific/Serramonte Sh Ctr Hwy 280 and Serramonte Blvd (510) 651-6204	20/20 Recycle Center/Safeway Store 85 W Lake Mall (415) 252-7388	20/20 Recycle Center/Safeway Store 850 Woodside Road (510) 265-2380	TOMRA Pacific/Bell Market 1015 El Camino Real (510) 651-6204
<u>East Palo Alto</u>	Heckman Recycling 220 Demeter Street (650) 324-9666	20/20 Recycle/Key Market 3640 Florence Street (510) 265-2380	20/20 Recycle Center/Safeway Store 170 E. El Camino Real (510) 265-2380
<u>Half Moon Bay</u>	BFI Waste Systems/Ox Mountain Buyback Center 12310 Hwy 92 (650) 726-4718	20/20 Recycle Center/Key Market 46 Fifth Avenue (510) 265-2380	-----
TOMRA Pacific/Safeway Store 70 N Cabrillo Hwy (510) 651-6204	<u>Menlo Park</u> Enterprise Recycling 3641 Haven Avenue (650) 364-3333	TOMRA Pacific/MacFrugal's 1301 Broadway (510) 651-6204	<ul style="list-style-type: none"> ■ If you have less than 50 containers, ask to have them counted rather than weighed ■ 4oz containers or larger = 5¢ ea. ■ Containers less than 24oz = 2¢ or 2½¢ ea.
<u>Millbrae</u> TOMRA Pacific/Millbrae Square 711 El Camino Real (510) 651-6204	MLC/Aluminum CanBank and Can Bank Recycle Cntrs 625 El Camino Real (800) 872-3744	<u>San Bruno</u> San Bruno Garbage Co/Lunardi's 100 Skycrest Center (650) 952-2851	
<u>Pacifica</u> 20/20 Recycle Center/Safeway Store 1390 Linda Mar (510) 487-2048	<u>San Carlos</u> The Recyclery 333 Shoreway Road (650) 637-1411	<u>San Mateo</u> 20/20 Recycle Center/Key Market 500 S. Norfolk Street (510) 265-2380	
		TOMRA Pacific/Rite Aid Concar Drive and Delaware (510) 651-6204	
		20/20 Recycle Center/Safeway Store 100 De Anza Blvd. (510) 265-2380	
		20/20 Recycle Center/Safeway Store	

AUTOMOTIVE WASTE RECYCLERS

NAME/TELEPHONE #	ADDRESS/CITY (sorted by city)	Anti-freeze	Auto Batt	Motor Oil	Oil Filters	Tires	DETAILS/INSTRUCTIONS	HOURS
Carlmont Village Shell (650) 592-3637	2000 Ralston Avenue Belmont CA	DF	D	D	D	DF		Drop-off hours vary. Please call before dropping off materials.
Howard Jones Batteries (650) 349-3820	509 O'Neill Belmont CA		D				If closed leave battery (lead acid only) at gate.	
Burlingame Texaco (650) 347-0486	601 California Drive Burlingame CA		D	D	D			
Currie's Chevron (650) 344-6120	260 El Camino Real Burlingame, CA			B				
Hillside Landfill (650) 992-3388	Sandhill Road off Hillside Blvd Colma CA		D	D	D	DF		
Bayshore Chevron (650)330-9888	2690 Bayshore Blvd. Daly City CA		D	B	D	DF		
BFI Mussel Rock Transfer Station (650) 756-1265	Skyline & Westline Dr. Daly City CA	D		D				
Grand Auto Supply #46 (650) 994-2650	#5 Skyline Plaza Daly City CA			B				
Mark Morris Tires (650) 994-1500	#4 Serramonte Center Daly City CA		D	D	D	DF		
A-I Auto Service (650) 321-8984	648 Donohoe St. East Palo Alto CA		D	B				
Tadlock's Auto Parts (650)325-7826	2160 University Ave. East Palo Alto CA		D	D	D			
AM/PM Hillsdale Arco (650) 349-1849	880 E. Hillsdale Blvd. Foster City CA		D	D	D			
Foster City Exxon (650) 345-6500	501 Foster City Blvd. Foster City CA			D	D			
Ox Mountain Landfill (650) 726-4718	12310 Highway 92 Half Moon Bay CA	D	D	D	D	DF		
Anderson Chevrolet (650) 321-4280	300 El Camino Real Menlo Park CA	D		B	D			
Fred Wedge's Chevron (650) 853-8806	100 Middlefield Road Menlo Park CA		D	D	D	DF		
M&R Automotive (650) 325-3900	1281 El Camino Real Menlo Park CA			B				

Legend: **B-buyback** (will pay you for materials delivered), **D-drop-off** (will accept materials delivered but will not pay), **DF-free charged** (facility will charge you to drop-off materials)

AUTOMOTIVE WASTE RECYCLERS

NAME/TELEPHONE #	ADDRESS/CITY (sorted by city)	Anti-freeze	Auto Batt	Motor Oil	Oil Filters	Tires	DETAILS/INSTRUCTIONS	HOURS
Magnussen Buick/Pontiac (650) 326-4100	550 El Camino Real Menlo Park CA	D		D	D			Drop-off hours vary. Please call before dropping off materials.
Oil Changer (650) 321-9041	944 Willow Road Menlo Park CA			B	D			
Sharon Heights Shell (650)854-3400	125 Sharon Park Dr. Menlo Park CA			D	D			
Firestone Store (650) 871-9096	1201 El Camino Real Millbrae CA			B	D			
Kragen Auto Parts (650) 583-0443	1145 El Camino Real Millbrae CA		D	B	D		Up to 5 gallons, one container only, must take container home with you.	
Millbrae Chevron (650) 697-3275	501 El Camino Real Millbrae CA		D	D				
Millbrae Union 76 (650) 692-8222	5 El Camino Real Millbrae CA	DF	D	D	D	DF		
Skyline Chevron (650) 697-5825	400 Skyline Blvd. Millbrae CA	DF	DF	B	DF	DF		
Speedee Oil Change/Tune-Up (650) 692-6740	390 El Camino Real Millbrae			B				
Coastside/Seacoast Disposal (650) 355-8400	1046 Palmetto Avenue Pacifica CA	D	D	D		DF	Open to residents from Pacifica to Miramar only.	
Oil Changer #303 (650) 355-7233	2880 Skyline Blvd. Pacifica CA 94044			B	D			
Sanford Firestone (650) 355-1154	705 Hickey Blvd Pacifica CA	D	DF	D	D	DF		
Pescadero Transfer Station (650) 879-0729	Bean Hollow Road at Artichoke Pescadero CA		D	D	D	DF		
Ladera Chevron (650) 854-4504	104 La Mesa Drive Portola Valley CA	D	D	D	D			
Portola Valley Shell (650) 854-5230	201 La Cuesta Portola Valley CA		D		D			
Auto Parts Club (650) 306-1945	1205 Veterans Blvd. Redwood City CA		D	D				
Chanique's Auto Repair (650) 365-1322	425 Dumbarton Ave. Redwood City CA			D	D			

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AUTOMOTIVE WASTE RECYCLERS

NAME/TELEPHONE #	ADDRESS/CITY (sorted by city)	Anti-freeze	Auto Batt	Motor Oil	Oil Filters	Tires	DETAILS/INSTRUCTIONS	HOURS
Firestone Store (650) 364-1900	1458 El Camino Real Redwood City CA		B					Drop-off hours vary. Please call before dropping off materials.
Grand Auto Supply #44 (650) 368-2831	2411 El Camino Real Redwood City CA		D					
Grant Corporation Yard (650) 363-4145	752 Chestnut St. Redwood City CA	D	D	F				
Jifty Lube (650) 339-8067	640 Whipple Ave. Redwood City CA		D	D				
King's Chevron (650) 364-9620	975 Woodside Road Redwood City CA	DF	DF	D	D			
Kragen Auto Parts (650) 368-3861	2336 El Camino Real Redwood City CA		D	B	D		Up to 5 gallons, one container only, must take container home with you.	
Oil Changer (650) 366-5394	2762 El Camino Real Redwood City CA		B	D				
Performance Source (650) 366-2133	2401 Spring St. Redwood City, CA	DF	D	D	D	DF		
Price Cosco (650) 364-2750	2300 Middlefield Road Redwood City CA		D			D	Batteries and tires taken at this location ONLY.	
Roosevelt Shell (650) 366-1886	2018 Roosevelt Ave. Redwood City, CA		DF	D	D	DF		
T & L Auto Body & Towing (650) 365-7727	400 Warrington Ave. Redwood City CA		D	D				
Tom's Chevron (650) 365-5537	990 Veterans Blvd Redwood City CA	DF	D	DF	DF			
Van's Auto Wrecking (650) 368-5031	1831 E. Bayshore Blvd. Redwood City CA		D	D				
Veterans Blvd Shell (650) 369-6675	690 Veterans Blvd Redwood City CA		D	D				
Jifty Lube #296 (650) 588-3970	1580 El Camino Real San Bruno CA		B					
Rollingwood Auto Service (650) 877-9874	2001 Rollingwood Drive San Bruno CA		D	D				
San Bruno Transfer Station (650) 583-8536	1271 Montgomery Ave. San Bruno CA	D	D	D				

Legend: **B-buyback** (will pay you for materials delivered), **D-drop-off** (will accept materials delivered but will not pay), **DF-fee charged** (facility will charge you to drop-off materials)

AUTOMOTIVE WASTE RECYCLERS

NAME/TELEPHONE #	ADDRESS/CITY (sorted by city)	Anti-freeze	Auto Batt	Motor Oil	Oil Filters	Tires	DETAILS/INSTRUCTIONS	HOURS
Skyline College (650) 738-4126	3300 College Dr. San Bruno CA	D	D	D	D			Drop-off hours vary. Please call before dropping off materials.
Speedee Oil Change (650) 952-5178	801 El Camino Real San Bruno CA			B				
The Service Zone (650) 589-9791	265 E. San Bruno Ave. San Bruno CA			D	D			
BFI Transfer Station (650) 592-0255	225 Shoreway Rd. San Carlos CA	D	D	D	D	DF		
Jiffy Lube (650) 594-1688	1030 El Camino Real San Carlos CA			B				
Oil Changer (650) 591-0695	1188 El Camino Real San Carlos CA			B	D			
Quality Tune-Up (650) 593-7873	400 El Camino Real San Carlos CA			B				
Chevron Oil Stop (650) 572-8000	2009 El Camino Real San Mateo CA			D				
Delaware Shell Service (650) 341-6046	1790 S. Delaware/Concar Dr. San Mateo CA		D	D	D			
Firestone Store (650)345-3535	2180 El Camino Real San Mateo CA			B				
Grand Auto Supply #35 (650) 349-1275	2640 S. El Camino Real San Mateo CA			D				
Hillsborough Shell (650) 579-5884	94 S. El Camino Real San Mateo CA	D	DF	D	D	DF		
Jiffy Lube # 608 (650) 349-7222	2517 S. El Camino Real San Mateo CA			D				
Jiffy Lube #1151 (650) 344-8242	407 S. Delaware St. San Mateo CA			D				
Jiffy Lube #610 (650) 594-1688	1030 El Camino Real San Mateo CA			D				
Kragen Auto Parts (650) 570-6386	3880 S. El Camino Real San Mateo CA		D	B			Up to 5 gallons, one container only, must take container home with you.	
Mark Morris Tires (650) 341-8225	2160 El Camino Real San Mateo CA		D	B		DF		
Reed's Service Station (650) 341-6675	1641 Palm Avenue San Mateo CA	DF	D	D	D		Oil-must take container back.	

Legend: **B-buyback** (will pay you for materials delivered), **D-drop-off** (will accept materials delivered but will not pay), **DF-free charged** (facility will charge you to drop-off materials)

AUTOMOTIVE WASTE RECYCLERS

NAME/TELEPHONE #	ADDRESS/CITY (sorted by city)	Anti-freeze	Auto Batt	Motor Oil	Oil Filters	Tires	DETAILS/INSTRUCTIONS	HOURS
Unocal 76 (650) 343-6651	1471 E. Third Ave. San Mateo CA		D	D	D			Drop-off hours vary. Please call before dropping off materials.
Blue Line Transfer Station (650) 589-5511	180 Oyster Point Blvd So. San Francisco CA	D	D	D	D	DF		
Arco Smog Pros (650) 952-0691	2300 Westborough Blvd. So. San Francisco CA	D		D	D			
Firestone Store (650) 583-2848	190 El Camino Real So. San Francisco CA	D		D	D	DF		
Grand Auto Supply #47 (650) 583-6708	1103 El Camino Real So. San Francisco CA			D				
Kragen Auto Parts (650) 589-8102	1059 El Camino Real So. San Francisco CA		D	B	D			
Meehan Battery (650) 583-6735	1139 Airport Blvd. So. San Francisco CA			D				
Shiva Auto Repair (650) 225-0600	188 S. Spruce Ave. So. San Francisco CA		D	D	D			
Skylonda Forest Fire Station (650) 851-1860	17290 Skyline Blvd. So. San Francisco CA			D	D			
Chevron (650) 851-1771	2950 Woodside Road Woodside CA	D	D	D	D	DF		

Legend: **B-buyback** (will pay you for materials delivered), **D-drop-off** (will accept materials delivered but will not pay), **DF-free charged** (facility will charge you to drop-off materials)



RESIDENTIAL CURBSIDE RECYCLING SERVICES

San Mateo County

	Aluminum, Tin, Steel & Bi-metal Cans	P.E.T. & H.D.P.E. Plastics (1 or 2 in triangle)	Glass Bottles & Jars	Mixed Paper	Newspapers & Inserts	Corrugated Cardboard	Motor Oil	Yard Waste
Browning-Ferris Industries 333 Shoreway Road San Carlos, CA 94070 Ph: (650) 637-1411	Rinse and remove labels & flatten	Remove caps & crush	Remove lids	Remove plastic inserts & windows & flatten. Place in mixed paper "Container 3".	Place in "Container 2"	Flatten and cut 2' x 2' or smaller	Place in plastic one gallon size container with a secure lid	Place in 96-gal cart obtained thru BFI. Plastic bags are not acceptable
	Place cans, plastic bottles, glass bottles and jars in "Container 1".							

Place at curb by 6 a.m. on your environmental day. (Use "Container 4" as an additional container for any one category shown above.)

Serves: Atherton, Belmont, Burlingame, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Redwood City, San Carlos, San Mateo

Coastside Scavengers /Seacoast Disposal Co. 2305 Palmetto Avenue Pacifica, CA 94044 Ph: (650) 355-8400	Rinse and remove labels & flatten	All plastic food containers in any color	Remove lids. Place in "Glass" bin	Remove front and back from phone books. Place mixed paper, phone books and newspaper in "Newspaper bin".	Flatten/ bundle w/paperboard, brown paper bags, tie with string & place next to bins.	Picked up 3rd Saturday in month. 3-can limit.
	Place in "Cans" bin. Will not accept plastic bags.					

Recyclables are collected every week on the same day as your garbage. Place materials in recycling bins provided next to your regular garbage containers at the curb.

Serves: Pacifica (Coastside), Montara San Dist. (Seacoast), El Granada San Dist (Seacoast)

Daly City Browning-Ferris Industries 1680 Edgeworth Avenue Daly City, CA 94015 Ph: (650) 756-1130	Rinse. Labels are O.K.	Remove caps/lids	Remove lids	Place in yellow bin.	Do not bundle or tie. Place in blue bin.	Cut 2' x 2' Place beside bins.	Place next to garbage cans on garbage day.
	Place in red bin						

Recyclables are collected every other week on your designated recycling day. Place all 3 recycling bins curbside.

Serves: Broadmoor, Colma and Daly City



RESIDENTIAL CURBSIDE RECYCLING SERVICES

San Mateo County

Aluminum, Tin, Steel & Bi-metal cans	P.E.T. & H.D.P.E. Plastics (1 or 2 in triangle)	Glass Bottles & Jars	Mixed Paper	Newspapers & Inserts	Corrugated Cardboard	Motor Oil	Yard Waste
<p>GreenWaste Recovery 625 Charles Street San Jose, CA 95123 Ph: (650) 568-9900</p>	<p>Mix metal, plastic, glass, and plastic containers #1-7. Include polystyrene, plastic bags, milk & juice cartons. Rinse containers if possible, labels are OK. Place in "Container 1"</p>	<p>Include magazines, catalogs, chipboard/ paperboard, white & colored paper, cereal boxes & egg cartons. Flatten boxes. Place inside brown paper bags. Place in "Container 2"</p>	<p>Must be flattened and no larger than 4' x 4'</p>	<p>Place in container provided. Fasten lid tightly.</p>	<p>Place loose in 32-gal can not to exceed 60lbs. Have "Yard Trimming Only" decal visible on can. No plastic bags.</p>		

PAINT: Waterbase paint must be in original container and have lid on tight. Place next to recycling bins.
OIL FILTERS: Place in sealed, leak-proof plastic bags provided. Oil filters must be fully drained.

Place recyclables next to your garbage container. Recyclables and yard trimmings alternate on a bi-weekly basis on your regular garbage collection day.
Serves: *Town of Woodside, Skyline*

<p>Los Altos Garbage Company 650 Martin Avenue Santa Clara, CA 95050 Ph: (650) 961-8040</p>	<p>Rinse. Labels are O.K.</p>	<p>* Remove caps</p>	<p>Remove lids</p>	<p>**</p>	<p>Place in paper bags or bundle and tie with string. Place on top of recycling bin.</p>	<p>***</p>
	<p>Place in recycling bin provided. Place road-side or curbside. (Portola Valley-canside)</p>		<p>***</p>	<p>Flatten tie with string and place next to recycling bin.</p>	<p>***</p>	

* Portola Valley, Emerald Hills, Ladera and Palomar Park accept #2 H.D.P.E. plastic.

** Mixed paper and corrugated cardboard are accepted (keep in separate bags) in Portola Valley and Ladera.

*** Motor oil and Yard Waste taken in Emerald Lake Hills and Palomar Park
Do not put paper out on rainy days as wet paper is not recyclable.

Recyclables are collected every other week, on the same day as your garbage, and must be available for collection by 6:00 a.m.
Serves: Portola Valley (canside). Serves: Emerald Lake Hills, Ladera, Los Trancos Woods, and Palomar Park (curbside or roadside)



RESIDENTIAL CURBSIDE RECYCLING SERVICES

San Mateo County

Aluminum, Tin, Steel & Bi-metal Cans	P.E.T. & H.D.P.E. Plastics (1 or 2 in triangle)	Glass Bottles & Jars	Mixed paper	Newspapers & Inserts	Corrugated Cardboard	Motor Oil & Oil Filters	Yard Waste
Place in blue bin	Includes 1 thru 7 narrow neck bottles. Place in blue bin with cans	Place in red bin	Place in yellow bin.		Flatten, bundle with string no larger than 3' x3'. Place next to containers.		Use 96-gal green toter. Picked up every other week.

San Bruno Garbage Company
 101 Tanforan Avenue
 San Bruno, CA 94066
 Ph: (650) 583-8561 or 583-8536

Latex paint, motor oil, oil filters, car and household batteries are taken at 101 Tanforan Avenue. Place household batteries in battery bag.

Recyclables are collected every week on the same day as your garbage.

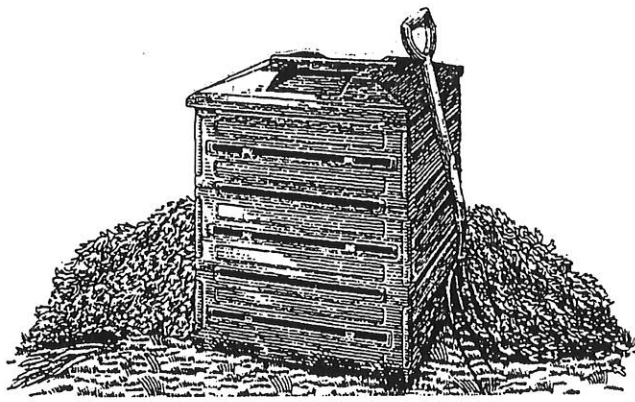
Serves: *San Bruno*

So. San Francisco Scavenger Company P.O. Box 348 South San Francisco, CA 94080 Ph: (650) 589-4020	Rinse & remove labels. Place in "Cans & Plastics" bin.	Place in "Glass" bin	Place in brown paper bag and place on top of newspapers.	Place in Newspaper bin	Flatten	Seal tight. No more than 5 gal. Call for free oil filter bag or use zipper lock.	<i>Brisbane/So. San Francisco:</i> On regular recycling day. Buy bags at City Hall. <i>Millbrae:</i> Twice a month. Call for calendar.
	HOUSEHOLD BATTERIES: : Place on top of paper bin.						

Recyclables are collected every week on the same day as your garbage and must be placed curbside by 6:00 a.m. Place next to your regular garbage bins.
 Serves: *Brisbane, Millbrae, South San Francisco*

SEPARATION GUIDE:

- Mixed Paper Includes: Magazines, junk mail, cereal & dry food boxes, white & computer paper, telephone books, paper packaging, paper bags, facial tissue boxes, cores from rolls of paper towel and toilet paper, manila envelopes, file folders, construction paper, legal pad backings, binder paper, postcards, shoe boxes, paper egg cartons and colored ledger paper.
- To identify P.E.T. and H.D.P.E. plastics, look for a #1 or #2 in a triangle on the container.
- Hazardous waste, food contaminated paper, carbon, blueprint paper, pizza boxes, paper plates, utensils, napkins, facial tissue, oil base paint, diapers, Styrofoam products, frozen-food packaging, wax-coated juice cartons and other materials are **not acceptable** for recycling.
- Yard Waste: Plastic bags are **not acceptable**.



COMPOST BINS

ONLY \$35

measures 28" by 28" by 34" high; holds 13 cubic feet
made in California of 60% recycled polyethylene; black color

OFFERED BY THE SAN MATEO COUNTY RECYCLING PROGRAM
Sold in stores for \$89

- Recycles your yard trimmings into compost for your garden.
- Price includes delivery, free how-to-compost book, and free optional workshop.
- Top quality bin is guaranteed for 10 years.
- The San Mateo County Recycling Program is sharing the cost with you.
- Attractive and easy-to-use design.

Yes, I Would Like to Purchase a Compost Bin!

Name: _____ Daytime Phone: _____

Residence Address: _____

street city zip code
You must be a resident of San Mateo County to receive a bin. Delivery will be made to the above address.

Mailing Address (if different, e.g. P.O. Box): _____

Are you currently composting? yes no
Are you interested in attending a free composting workshop? yes no

Make your check for \$35.00 payable to: San Mateo County
Mail to: SMC Compost Bin Program
10 Twin Dolphin Drive, Suite C200
Redwood City, CA 94065



• all sales are final • 2nd bin \$56 • please allow 1-3 weeks for delivery
Need additional information? Call 599-1498.

sp



COMPOST WITH WORMS !

County of San Mateo Composting Program is Offering

Wiggly Wranch Vermicomposting Bins

ONLY \$29 worms not included*



Convert your kitchen scraps back into a black, earthy-smelling nutrient-rich soil amendment



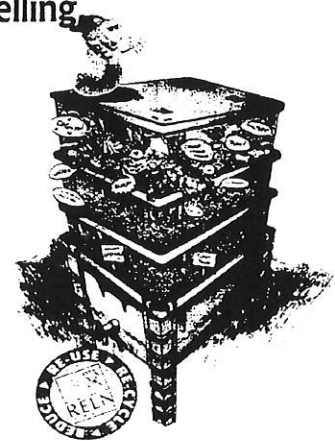
Enjoy healthier lawns, plants, trees and garden beds



Reduce garbage going into the landfill



FUN and EASY for all ages



* List of worm suppliers provided with bin or upon request

Yes, I Would Like to Purchase a Wiggly Wranch Vermicomposting Bin!

Name: _____ Daytime Phone: _____

Residence Address: _____

street city zip code
You must be a resident of San Mateo County to receive a bin. Delivery will be made to the above address.

Mailing Address (if different, e.g. P.O. Box): _____

Do you live in a house? apartment? condo?
Are you interested in attending a free worm composting workshop? yes no

Make your check for \$29.00 payable to: *San Mateo County*

Mail to: SMC Compost Bin Program
10 Twin Dolphin Drive, Suite C200
Redwood City, CA 94065



sp

One bin allowed per household at \$29. A second bin can be ordered for \$53
• all sales are final • please allow 1-3 weeks for delivery • Need additional information? Call 599-1498

APPENDIX D

END USES FOR RECYCLED MATERIALS

**TABLE D-1
END USES FOR RECYCLED MATERIALS**

Material	Major End Uses	Other End Uses
Glass		
Glass containers	New glass containers	Road base, road surface (glasphalt), specialty glass products
Paper		
Old Corrugated Cartons (OCC)	New corrugated containers	Other kraft paper products
High Grade Paper (including high-grade mixes)	New high grade paper, outer layer of white corrugated board	Other paper products
Magazines	Recycled newsprint, other recycled paper	Other paper products
Old Newsprint (ONP)	New newsprint	Asphalt roofing tiles, blown-in insulation, other paper products
Mixed Paper	Lower grade paper products, including box board (chip board), and liner for gypsum wall board	Other low grade paper products
Plastic		
PET Plastic	Carpet fiber, clothing insulation	New containers, other molded plastic products
HDPE Plastic	Non-food containers and bags	Other molded items
Metals		
Aluminum Beverage Cans	New beverage cans	
Tin Cans	New cans, other tin and ferrous products	Catalyst for ore extraction
Non-ferrous Scrap	New metal products	
Ferrous Scrap	New metal products	
Organic Materials		
Yard Waste	Compost, mulch	Alternative daily cover for landfills, fuel
Food Waste	Compost	Animal feed
Wood Waste	Fuel, mulch	Alternative daily cover for landfills, bulking agent for composting

SOURCE: Environmental Science Associates

