



ENVIRONMENTAL
SERVICES
DEPARTMENT



THE CITY OF SAN DIEGO

Nondisposal Facility Element

Seventh Amendment

Prepared by
City of San Diego
Environmental Services Department

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PREFACE

This Nondisposal Facility Element (NDFE) has been prepared to comply with Public Resources Code (PRC) Section 41732 et seq. It is a general description of the solid waste facilities needed to implement the City's waste reduction (source reduction, recycling, and composting) activities necessary to meet the mandates established by the PRC and its implementing regulations. The NDFE may include existing, planned, or proposed facilities and addresses potential expansions to existing facilities. Facility descriptions contain information that was available at the time of preparation of the NDFE. However, this document is not typically intended as a limitation on the design, capacity, or throughput of a facility. Therefore, a facility may be larger or smaller than described in the NDFE based on project economics or permit requirements and still be consistent with the NDFE.



1.0 INTRODUCTION

On September 29, 1989, Governor Dukemajian signed the California Integrated Waste Management Act of 1989, incorporating it into State law as Public Resources Code (PRC) 40000 et seq., but sometimes referred to by its bill number, AB939. This act shifted the focus of waste management in California from landfill disposal to “integrated waste management” with an emphasis on source reduction, recycling, and composting as primary strategies to reduce the State’s dependence on landfill disposal of waste.

The PRC requires each city and county within California to prepare and implement Source Reduction and Recycling Elements (SRREs) that will reduce wastes disposed of in landfills by 50 percent by the year 2000, and in subsequent years, compared to 1990 base year tonnages. The SRREs, as updated in annual reports, describe the programs, activities, and strategies that the cities and counties plan to carry out to achieve the mandated waste reduction.

In 1992, the requirement to prepare a Nondisposal Facility Element (NDFE) was added to the PRC. NDFEs describe new or modified solid waste facilities needed by cities and counties to accomplish PRC requirements. As defined by PRC section 40151, a “nondisposal facility” is any facility that is required to obtain a Solid Waste Facility Permit (SWFP) or composting permit, other than disposal or transformation facilities. Section 41733 specifies that amendments to include facilities recovering less than five percent of the material processed do not require California Integrated Waste Management Board (CIWMB) approval, although at the local level, such facilities may be found not to provide a satisfactory contribution to waste diversion. NDFE amendments are specifically exempt from the California Environmental Quality Act.

1.1 When is an NDFE Amendment Required?

This City of San Diego NDFE is intended to be a proactive planning document, and **facilities that are consistent with this document will not require an NDFE amendment.** Environmental Services Department (ESD) will review the application and determine if an NDFE amendment is needed. Changes in the tonnages processed at a facility should be evaluated, but may not need an NDFE amendment, particularly if there is no reduction in the amount of material diverted from disposal. If a reduction in the tonnage diverted is accompanied by an improvement in the beneficial use, or is related to waste reduction, then an amendment may not be required. An amendment may be processed for new facilities, and for modifications to existing facilities, if these modifications affect the City's or the region's integrated solid waste management program. In some cases, even a new facility may be found to be consistent with this NDFE. ESD will analyze the facility for consistency with the NDFE and will determine if an amendment is required. Facilities that do not require a SWFP or composting permit do not require an NDFE amendment, but these facilities are an important part of the City's program so they have been included in this document. The list of recycling facilities that do not require a permit from the CIWMB may not be all-inclusive and may include businesses that have gone out of business since the time this update was approved.

1.2 Goals

The City of San Diego intends to use the NDFE to plan and consider the effects of infrastructure on waste reduction efforts, with the goal of minimizing the amount of material that requires disposal. Careful consideration will be given to short- and long-term effects of projects on the waste stream and other waste reduction programs. San Diego generally supports infrastructure that provides for reduction in solid waste, and for the diversion of solid waste from landfills to productive uses that are not environmentally damaging. The following solid waste management questions will be considered by ESD when deciding if an amendment to the NDFE is necessary:

- Is the facility diverting the maximum amount possible from disposal in landfills, to the most beneficial use possible, keeping in mind that waste reduction is emphasized before diversion?
- Does the new or modified facility significantly disrupt other waste management efforts?
- Does a facility that diverts less than five percent of the throughput from disposal have any negative effect on the City's PRC compliance efforts?

Other standards will be used for local land use considerations, and inclusion in the NDFE does not guarantee approval of a project when it comes forward for land use consideration, nor does it require the Local Enforcement Agency (LEA) to issue a SWFP or composting permit.

LEAs regulate tonnages handled at solid waste facilities according to tonnage limits provided in SWFPs and composting permits; however, for the tier that some nondisposal facilities fall within, LEAs may not condition SWFPs to specify a diversion rate (PRC section 50001). Local land use permits may specify diversion rates, but the land use planning process is not designed for regular inspections after permits are issued, and enforcement is difficult. The descriptions of the facilities in the NDFE are for general planning purposes, and there is no enforcement mechanism to verify diversion standards. Thus, there is no way to ensure diversion claims made by facilities will be maintained. In considering whether to amend the NDFE to include or to modify a facility description, this shortcoming will be considered.

1.3 Changes to the NDFE

The seventh amendment deletes a proposed City Material Recovery Facility (MRF) that was listed in Section 2.3.4 in the sixth NDFE amendment. It moves the Allan Company facility from Section 2.4.1 to Section 2.3.4 because Allan Company applied for a Full SWFP for a large volume Transfer/ Processing Facility. In addition, this amendment adds facilities that are located outside of the City, but that divert waste generated within the City. These include: EDCO Waste and Recycling Services, Escondido Resource Recovery Transfer, Ramona MRF and Transfer, and SANCO Resource Recovery. It also adds proposed facilities at the Sycamore Landfill and Otay landfills for construction and demolition (C&D) debris recycling. This amendment also updates information on a proposed City Resource Management Facility in Section 2.3.3, and other facilities.

2.0 FACILITIES

2.1 Composting Facilities

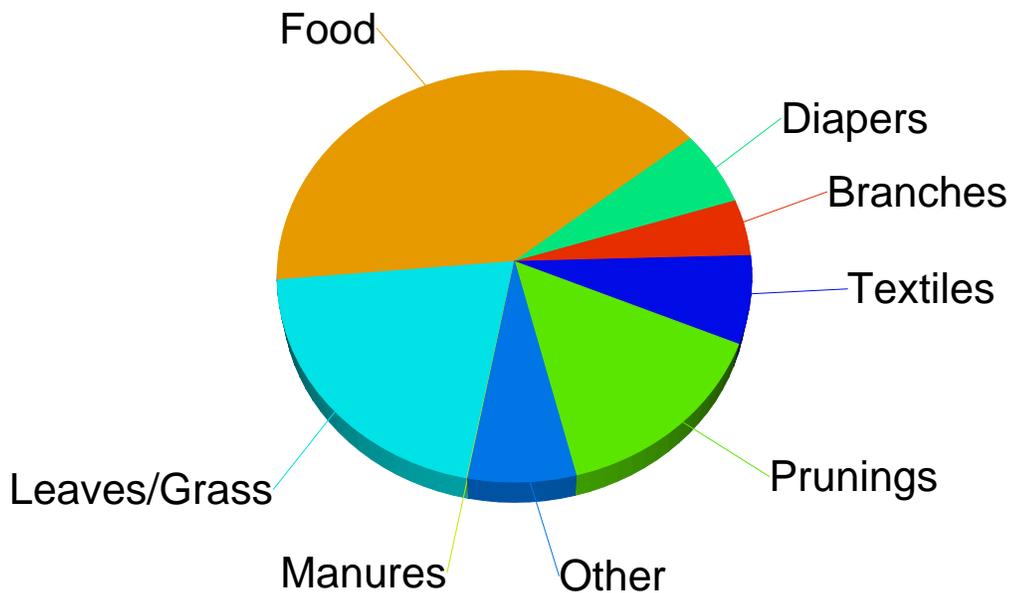
Approximately 20.3 percent of the San Diego waste stream is composed of organic wastes. The majority of this waste is from food (8.3%) and yard waste (8.1%). Overall composition of organic waste is provided in Table 1 and Figure 1, detailing the composition of the organic constituents. Because a fifth of the waste disposed of is organic, there is a large potential amount of material that could be diverted and composted. ESD has several programs aimed at diverting green waste from the landfill. In addition to the collection programs and composting operation described in section 2.1.2, the City provides subsidized bin sales and educational programs about backyard composting. Information is provided on how to build bins, where to buy materials, and how to start and troubleshoot compost piles. Classes to become a Master Composter are offered once a year and compost workshops are offered throughout the year.

Table 1: Composition of Organic Waste Disposed of in San Diego

<u>Organic Material</u>	<u>Percent</u>	<u>Tons</u>
Food	8.3	139,762
Leaves & Greens	4.2	70,195
Prunings & Trimmings	3.0	50,336
Branches & Stumps	0.9	15,661
Manures	>0	210
Textiles	1.4	22,754
Diapers	1.2	19,740
Remainder/Composite Organic	1.4	23,227
<u>Total Organic Composition</u>	20.4	341,874

Source: City of San Diego Waste Composition Study 1999-2000.

Figure 1. Composition of Organic Waste Disposed of in San Diego. Data were used from Table 1, City of San Diego Waste Composition Study 1999-2000.



The following composting facilities support the City’s efforts to divert organic waste from the landfill:

2.1.1 EVERGREEN NURSERY



This facility processes 16,500 to 22,000 tons annually, with approximately 5,500 tons stored onsite at any one time. The material is used by the nursery as a soil amendment for container plants and is sold to landscapers. This facility serves organic waste generators in the City of San Diego and surrounding jurisdictions and diverts at least 95 percent of the green waste accepted. Modifications to expand this facility would not be expected to trigger the need for an NDFE amendment.

Location of Facility:	7150 Black Mountain Road San Diego, CA 92130
<hr/>	
Facility Permit Number:	37-AB-0005
Date of Permit Issue:	February 8, 2005
Date of Permit Review:	February 8, 2010
Volume of Material	
Handled (peak loading):	10,000 cubic yards
Annual Loading:	37,500 cubic yards
Days and Hrs of Operation:	Monday through Saturday 7:30 a.m. to 4:00 p.m.
Facility Size:	3 acres
Operating Area Size:	90 acres
Incoming Waste Material:	40 vehicles per day
Outgoing Waste Material:	5 vehicles per day
Estimated Diversion Rate	95% of total throughput

2.1.2 MIRAMAR GREENERY COMPOSTING FACILITY



This facility at the Miramar Landfill processes yard trimmings into compost and mulch. This facility currently diverts 100,000 tons (or more) of yard trimmings (and other organics) per year from the Miramar Landfill. This facility primarily serves organic waste generators in the City of San Diego, although loads from other jurisdictions are also accepted. Currently, there are plans for an expansion of the Miramar Greenery in an effort to decrease the

amount of compostable material going into the landfill. The facility occupies about 30 acres, though it is expected to be expanded by approximately 45 more acres. Additional information regarding the expansion is listed below. Furthermore, additional, future modifications to expand the facility beyond its permitted capacity, to increase acceptable organic feedstocks, and to relocate it are anticipated. These changes would not be expected to trigger the need for an NDFE amendment. This facility serves several of the City's waste diversion programs:

- *ESD Christmas Tree Recycling Program.* This program diverts 130,000 trees per year from the landfill, approximately 1,100 tons per season. The program has 16 drop-off locations across the City and trees are collected for almost four weeks.
- *Food Waste Composting Program.* This program began in partnership with the Marine Corps Recruiting Depot (MCRD). Pre- and post-consumer food waste is currently trucked from MCRD, Petco Park and Point Loma Nazarene University, San Diego State University, Sea World, San Diego Convention Center, and the San Diego County Fair to the Miramar Greenery where it is mixed in with green waste. Currently, 1,000 tons per year are diverted. Drywall is also accepted in limited quantities.
- *Curbside Yard Waste Collection Program.* The City collects curbside yard waste on a biweekly basis at no charge from the majority of single-family residences in the City. This service will continue to be expanded as funding and resources allow. Additionally, the City distributes educational materials to encourage homeowners to leave grass clippings on lawns as fertilizer.



Location of Facility: 5180 Convoy St.
San Diego, CA 92111

Facility Permit Number: 37-AB-0003
Date of Permit Issue: September 28, 2007; new permit pending
Date of Permit Review: September 28, 2012

Site Capacity: 1,000,000 cubic yards
Daily Peak Loading: 690 tons
Annual Loading: 341,000 cubic yards

Days and Hrs. of Operation: Monday to Friday: 7:00 am – 4:30 pm
Saturday and Sunday 7:30 am – 4:30 pm

Facility Size: 75 acres
Operating Area Size: 75 acres
Incoming Waste Material: Accepts source-separated compostables.
Outgoing Waste Material: Produces soil amendment.

Estimated Diversion rate: The facility accepts primarily source-separated feedstocks and is therefore is expected to achieve a greater than 95% diversion rate.

2.1.3 MIRAMAR WHOLESALE NURSERIES

Miramar Wholesale Nurseries, A TruGreen LandCare Company, processes approximately 20,000 cubic yards of green waste per year with a maximum of 10,000 cubic yards stored on site at any one time. All green waste used in Miramar Nursery's operation is generated internally, and exclusively by TruGreen LandCare landscape branches in the San Diego area. When the compost becomes a finished product, it is used as a soil amendment for the nursery's containerized stock, and is sold to landscapers for commercial use. Relocation of the operation within the leased area would not be expected to trigger a need for a NDFE amendment.

Location of Facility: 5400 Governor Drive
San Diego, CA 92122

Facility Permit Number: 37-AB-0011
Date of Permit Issue: October 2007
Date of Permit Review: October 2012

Site Capacity: 10,000 cubic yards
Daily Peak Loading: 50 cubic yards
Annual Loading: 20,000 cubic yards

Days and Hrs of Operation: 7:00 a.m. to 5:00 p.m., 7 days a week

Facility Size: 180 acres (approximately)
Operating Area Size: 3 acres (approximately)
Incoming Waste Material: 25 vehicles per day
Outgoing Waste Material: 5 vehicles per day

2.2 Facilities Diverting Less than Five Percent of Throughput

Although facilities diverting less than five percent of the throughput do not make a significant contribution to waste reduction, they are integral to solid waste management by increasing disposal options, and they may have effects on the solid waste system of a region.

2.2.1 EDCO RECOVERY AND TRANSFER STATION

This existing facility is located in the Barrio Logan neighborhood of San Diego. Bay Cities Services, Inc. requested permits in 1992 to operate a 200-ton-per-day (maximum) transfer station for non-putrescible materials. The current operator is EDCO Disposal Corporation, which has modified and expanded the facility to handle 1,500 tons per day



of mixed waste. Less than five percent of the throughput is diverted via the hazardous material screening process. This facility also accepts documented loads of mixed C&D debris for transfer to a certified mixed C&D processing facility under the City of San Diego's C&D Ordinance. The diversion rate assigned to these transferred mixed C&D loads is based upon the certified diversion rate of the destination facility(ies) that the material is transferred to. The facility handles waste

from Coronado, La Mesa, National City, Lemon Grove, Chula Vista, and portions of the City of San Diego's commercial waste stream. Because of the effect that the movement of the mixed waste stream can have on diversion programs, modification to this facility could require an NDFE amendment.

Location of Facility:	3660 Dalbergia Street San Diego, CA 92113
Facility Permit Number:	37-AA-0105
Date of Permit Issue:	December 16, 2003
Date of Permit Review:	December 16, 2008
Site Capacity:	1,500 tons per day
Daily Peak Loading:	1,500 tons per day
Annual Loading:	Not available
Days and Hrs of Operation:	6:00 a.m. to 7:00 p.m. Monday - Saturday
Facility Size:	1.6 acres
Operating Area Size:	1.6 acres
Incoming Waste Material:	1,506 Passenger Car Equivalent Vehicles (PCEV) per day (total in/out combined)
Outgoing Waste Material:	Included in 1506 PCEV per day count

2.3 Facilities Diverting More than Five Percent of Throughput

There are two major types of waste handling facilities that may divert more than five percent of the throughput (as opposed to recyclable material handling or composting facilities). One type of facility includes transfer stations that receive both source separated recyclable materials and mixed municipal waste. There are two such facilities that serve generators in the San Diego City area. The other type of facility is sometimes called a dirty materials recycling facility or “dirty MRF.” Dirty MRFs require little responsibility on the part of the waste generator to reduce wastes or separate recyclables from the waste stream, relying instead on separation after-the-fact. They can be used to facilitate recycling and/or composting from waste streams where removing materials at the point of generation is difficult. Whether this option is appropriate depends on the nature of the waste generator and the nature of the waste stream. Waste streams high in recyclable or compostable material, where removing the material at the point of generation is difficult, are most appropriate for this technology. It can also be used as the “front end” of incinerators to ensure that recyclables are recovered and inappropriate materials are not burned. Plans for one such facility proposed in the City of San Diego are described in Section 2.3.3 below.

2.3.1 UNIVERSAL WASTE REMOVAL TRANSFER STATION

This Waste Management Inc. facility is permitted to transfer mixed municipal waste to large trucks for transportation. In addition, source separated loads of commingled recyclables are transferred to large trucks for transportation to shipping or recycling facilities. This facility recently nearly doubled its 20,000 square foot building and installed processing equipment to mechanically sort mixed C&D debris. It is expected that this facility will become a certified mixed C&D processing facility under the City of San Diego's C&D Ordinance. This facility is not located in the City of San Diego, but serves commercial waste generators in the City, as well as El Cajon, Santee, Poway, and unincorporated areas of San Diego. Modifications to expand this facility would not trigger the need for a City of San Diego NDFE amendment because the facility is not located in the City.

Location of Facility: 1180 W. Bradley
El Cajon, CA 92020

Facility Permit Number: 37-AA-0929
Date of Permit Issue: September 2008

Daily Peak Loading: 2,000 tons per day
Annual Loading: Not available
Anticipated Diversion Rate: 8% or more of total throughput

Days and Hrs of Operation: 4:00 a.m. to 8:00 p.m. Monday - Friday
4:00 a.m. to 1:00 p.m. Saturday - Sunday

Facility Size: 13 acres
Operating Area Size: 5.3 acres
Incoming Waste Material: 1,822 PCEVs per day (total in/out combined)
Outgoing Waste Material: Included in 1,822 PCEV per day count

2.3.2 EDCO STATION

This facility, located in La Mesa, is primarily a mixed waste transfer station. This facility hosts a public buy-back center. Recovery activities involve primarily sorting methods. This facility also accepts documented loads of mixed C&D debris for transfer to a certified mixed C&D processing facility under the City of San Diego's C&D Ordinance. The diversion rate assigned to these transferred mixed C&D loads is based upon the certified diversion rate of the destination facility(ies) the material is transferred to. It is not located in the City of San Diego, but serves commercial waste that is generated in the City as well as El Cajon, Lemon Grove, La Mesa, and the unincorporated area. This facility diverts an estimated five percent of the total throughput. Modifications to expand this facility would not trigger the need for a City of San Diego NDFE amendment since the facility is not located in the City.

Location of Facility: 8184 Commercial Street
La Mesa, CA 91942

Facility Permit Number: 37-AA-0922
Date of Permit Issue: July 16, 1997

Daily Peak Loading: 1,000 tons per day
Annual Loading: 312,000 tons
Anticipated Diversion Rate: more than 5% of total throughput

Days and Hrs of Operation: 7:00 a.m. to 4:00 p.m. Monday - Saturday

Facility Size: 4.1 acres
Operating Area Size: 1.6 acres
Incoming Waste Material: 1214 PCEVs per day (total in/out combined)
Outgoing Waste Material: Included in 1214 PCEVs per day count

2.3.3 CITY RESOURCE MANAGEMENT FACILITY

The Resource Management Facility (RMF) was referred to as a City Material Recovery Facility in the NDFE sixth amendment. The RMF is proposed to be located southerly of the existing Metro Bio Solid Center on an approximately 18 acre site. The main building is currently planned as a two story building with approximately 250,000 square feet of floor space. Processing areas at the facility are expected to be enclosed. The facility is planned to process up to 5,000 tpd of solid waste and recyclable materials. This public facility is expected to be open seven days a week. The majority (over 90%) of the customers are expected to be residents and businesses from within the City of San Diego.

Location of Facility: 5180 Convoy St.
San Diego, CA 92111

Site Capacity: 5,000 tons/day
Annual Loading: 1,825,000 tons
Anticipated Diversion Rate: More than 5% of total throughput

Days and Hrs of Operation: Anticipated that it may be 24 hours, 7 days a week

Facility Size: 18 acres
Operating Area Size: 18 acres
Incoming Waste Material: Not available
Outgoing Waste Material: Not available

2.3.4 ALLAN COMPANY MRF AND TRANSFER STATION



This facility is operating as a Large Recycling and Processing Facility, but Allan Company has applied for a Full SWFP for a Large Volume Transfer/Processing Facility. This facility is located on a rail line for long-distance transport of materials. This facility accepts, separates, and prepares for transport materials with California Redemption Value (CRV), paper, and scrap materials. The Allan Company operates three recycling centers in San Diego. The facility on

Consolidated Way processes one half of the material collected in the City's curbside recyclable materials program.

The site will continue to be used for processing source-separated recyclables from commercial accounts, curbside recycling programs, multi-family programs and other programs from any city or county area within a 25-mile radius. It may also accept loads of commingled source separated recyclables containing higher levels of contamination. Of the material processed, it is expected that 50-75% will be diverted from disposal. Modifications to expand this facility would not be expected to trigger the need for an NDFE amendment. One of the other Allan Company facilities is described in Section 2.4.3.

Location of Facility: 6733 Consolidated Way
San Diego, CA 92121

Facility Permit Number: Pending
Date of Issue: Pending
Date of Review: TBD

Size Capacity: 1,000 tons/day
Daily Peak Loading: 1,000 tons/day
Annual Loading: 365,000 tons/year
Anticipated Diversion Rate: 50-75% of total throughput

Days and Hrs of Operation: Receiving: 24 hours a day, 7 days a week
Public Tipping: 5 a.m.-10 p.m., 7 days a week
Processing: 24 hours a day, 7 days a week
Transferring: 24 hours a day, 7 days a week

Facility Size: 3.58 acres
Operating Area Size: 2.5 acres
Incoming Waste Material: 194 vehicles per day
Outgoing Waste Material: 64 vehicles per day
Employees and Visitors: 40 vehicles per day



2.3.5 EDCO WASTE AND RECYCLING SERVICES RECYCLING FACILITY

This facility, located in San Marcos, is primarily a mixed construction, demolition, and inert (CDI) recycling facility. This facility hosts a public buy-back center. Recovery activities include floor sorting. This facility also accepts documented loads of mixed C&D debris for processing both directly from job sites, and also from the Escondido Resource Recovery Transfer Station (Section 2.3.6, below). It is not located in the City of San Diego, but serves commercial waste that is generated within the City. The facility diverts an estimated 72% of the total throughput as documented through certification of the facility for the City of San Diego's C&D Ordinance. Modifications to expand this facility would not trigger the need for a City of San Diego NDFE amendment since it is not located in the City.

Location of Facility:	224 S. Las Posas Rd. San Marcos, CA 92078
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Facility Permit Number:	37-AA-0953
Site Capacity:	Not available
Daily Peak Loading:	174 tons per day
Annual Loading:	54,288 tons

Permit Date:	August 6, 2004
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Days and Hrs of Operation:	8:00 a.m. to 4:30 p.m. Monday – Friday 8:00 a.m. to 3:00 p.m. Saturday
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Facility Size:	Not available
Operating Area Size:	Not available
Incoming Waste Material:	Not available
Outgoing Waste Material:	Not available

2.3.6 ESCONDIDO RESOURCE RECOVERY TRANSFER STATION

This facility, located in Escondido, is primarily a mixed waste transfer station. This facility hosts a public buy-back center. Recovery activities involve primarily floor sorting methods. Loads observed to be high in recyclable content are floor sorted for recyclables. This facility also accepts documented loads of mixed C&D debris for transfer to a certified mixed C&D processing facility under the City of San Diego's C&D Ordinance. The diversion rate assigned to these transferred mixed C&D loads is based upon the certified diversion rate of the destination facility(ies) the material is transferred to. It is not located in the City of San Diego, but serves commercial waste that is generated within the City. The facility diverts an estimated 5% of the total throughput. Modification to expand this facility would not trigger the need for a City of San Diego NDFE amendment since the facility is not located in San Diego.

Location of Facility: 1044 W. Washington Ave.
Escondido, CA 92025

Facility Permit Number: 37-AA-0906
Site Capacity: Not available
Daily Peak Loading: 2,500 tons per day
Annual Loading: 912,500 tons

Permit Date: July 31, 2002

Days and Hrs of Operation: 7:00 a.m. to 4:30 p.m. Sunday – Saturday

Facility Size: 59,000 ft²
Operating Area Size: 59,000 ft²
Incoming Waste Material: Not available
Outgoing Waste Material: Not available

2.3.7 RAMONA MRF AND TRANSFER STATION

This facility, located in Ramona, is primarily a mixed waste transfer station. This facility hosts a public buy-back center. Recovery activities involve primarily floor sorting methods. Loads observed to be high in recyclable content are floor sorted for recyclables. This facility also accepts documented loads of mixed C&D debris for transfer to a certified mixed C&D processing facility under the City of San Diego's C&D Ordinance. The diversion rate assigned to these transferred mixed C&D loads is based upon the certified diversion rate of the destination facility(ies) the material is transferred to. It is not located in the City of San Diego, but serves commercial waste generators in the City. The facility diverts an estimated 5% of the total throughput. Modifications to expand this facility would not trigger the need for a City of San Diego NDFE amendment because the facility is not located in the City.

Location of Facility: 324 Maple St.
Ramona, CA 92065

Facility Permit Number: 37-AA-0925
Site Capacity: Not available
Daily Peak Loading: 700 tons per day
Annual Loading: 218,400 tons

Permit Date: August 1, 2005

Days and Hrs of Operation: 7:00 a.m. to 4:30 p.m. Monday – Saturday

Facility Size: 9,300 ft²
Operating Area Size: 9,300 ft²
Incoming Waste Material: Not available
Outgoing Waste Material: Not available

2.3.8 SANCO RESOURCE RECOVERY



The SANCO Resource Recovery Facility is co-located with the EDCO Recycling Facility (Section 2.4.1, below) in Lemon Grove. It is a large volume construction, demolition, and inert material processing facility. This facility handles a variety of materials

such as wood, concrete, dirt, drywall, carpet, asphalt, metals, cardboard and rock. This facility is currently open to the public six days a week, but may operate seven days per week, and is permitted for 24-hour operation. This facility accepts documented loads of mixed C&D debris for processing from the EDCO Recovery and Transfer Station (Section 2.2.1, above), EDCO Station (Section 2.3.2, above), Escondido Resource Recovery Transfer Station (Section 2.3.6, above), and Ramona MRF and Transfer Station (Section 2.3.7, above). It is not located in the City of San Diego, but serves commercial waste that is generated within the City. The facility currently diverts an estimated 57% of the total throughput as documented through certification of the facility for the City of San Diego's C&D Ordinance. Modifications to expand this facility would not trigger the need for a City of San Diego NDFE amendment because the facility is not located in the City.

Location of Facility:	6750 Federal Blvd. Lemon Grove, CA 91945
Facility Permit Number:	37-AA-0956
Site Capacity:	Not available
Daily Peak Loading:	1,000 tons per day
Annual Loading:	365,000 tons
Days and Hrs of Operation:	6:30 a.m. to 5:30 p.m. Monday – Friday 7:00 a.m. to 3:00 p.m. Saturday
Facility Size:	40,000 ft ²
Operating Area Size:	40,000 ft ²
Incoming Waste Material:	Not available
Outgoing Waste Material:	Not available

2.3.9 SYCAMORE LANDFILL RECYCLING FACILITY

The Sycamore Landfill is a class III landfill located in the City of San Diego. The facility is owned by Allied Waste Services. As with the Miramar Landfill, waste diversion and resource reuse opportunities are often ideally located at the disposal facility. Allied has planned a Construction and Demolition/Inert (CDI) debris processing facility to process up to 1,000 tons per day of commingled and source separated construction and demolition/inert debris. The anticipated diversion rate for this operation is 75%. If developed, it is expected that this facility will become a certified mixed C&D processing facility under the City of San Diego's C&D Ordinance. It is expected to serve Carlsbad, Del Mar, El Cajon, Encinitas, Escondido, La Mesa, Lemon Grove, Oceanside, Poway, San Diego, San Marcos, Santee, Solana Beach, Vista and San Diego County unincorporated communities.

Location of Facility: 8514 Mast Boulevard,
Santee, California 92071

Facility Permit Number: TBD
Date of Issue: TBD
Date of Review: TBD

Site Capacity: 1,000 tons/day
Annual Loading: 301,600 tons
Anticipated Diversion Rate: 75%

Days and Hrs of Operation: 6:00 a.m. – 8:00 p.m. (Monday through Friday)

Facility Size: 520 acres
Operating Area Size: 5 acres
Incoming Waste Material: Not available
Outgoing Waste Material: Not available

2.3.10 OTAY LANDFILL RECYCLING FACILITY

The Otay Landfill is a class III landfill located in the unincorporated area of southern San Diego County near the City of Chula Vista. It is presently permitted to accept 5,830 tons per day of municipal solid waste. The facility is owned by Allied Waste Services. Allied has planned a Construction and Demolition/Inert (CDI) debris processing facility to process up to 1,100 tons per day of commingled and source separated construction and demolition/inert debris. The anticipated diversion rate for this operation is 75%. It is expected that this facility will become a certified mixed C&D processing facility under the City of San Diego's C&D Ordinance. It is expected to serve Chula Vista, Coronado, El Cajon, Imperial Beach, La Mesa, Lemon Grove, National City, San Diego, and unincorporated areas of the County of San Diego

Location of Facility: 1700 Maxwell Road,
Chula Vista, California 91912

Facility Permit Number: TBD
Date of Issue: TBD
Date of Review: TBD

Site Capacity: 1,100 tons/day
Annual Loading: 331,760 tons
Anticipated Diversion Rate: 75%

Days and Hrs of Operation: 6:00 a.m. – 10:00 p.m. (Monday through Saturday)

Facility Size: 464 acres
Operating Area Size: 5 acres
Incoming Waste Material: Not available
Outgoing Waste Material: Not available

2.4 Clean Materials Recovery Facilities and Recyclers

An emphasis on measuring diversion makes it difficult to emphasize source reduction, even though that approach is at the top of the waste management hierarchy. Measuring reduction in tonnage disposed, rather than measuring tons recycled, is the easiest way to ensure that source reduction is encouraged. However, various management, planning and regulatory issues sometimes make it necessary to measure diversion. As evidenced by this document, this measurement is complicated by transfer of materials between facilities. Furthermore, most recycling facilities do not require a SWFP permit, and therefore do not require inclusion in the NDFE, despite the fact that such facilities are the backbone of the measurable diversion of most local governments' waste diversion programs.

Public sector source reduction and diversion programs alone will not accomplish waste reduction on the scale required by law. They must be complemented by private sector efforts. Local governments can encourage such efforts through eased zoning codes, Recycling Market Development Zones, and other methods.

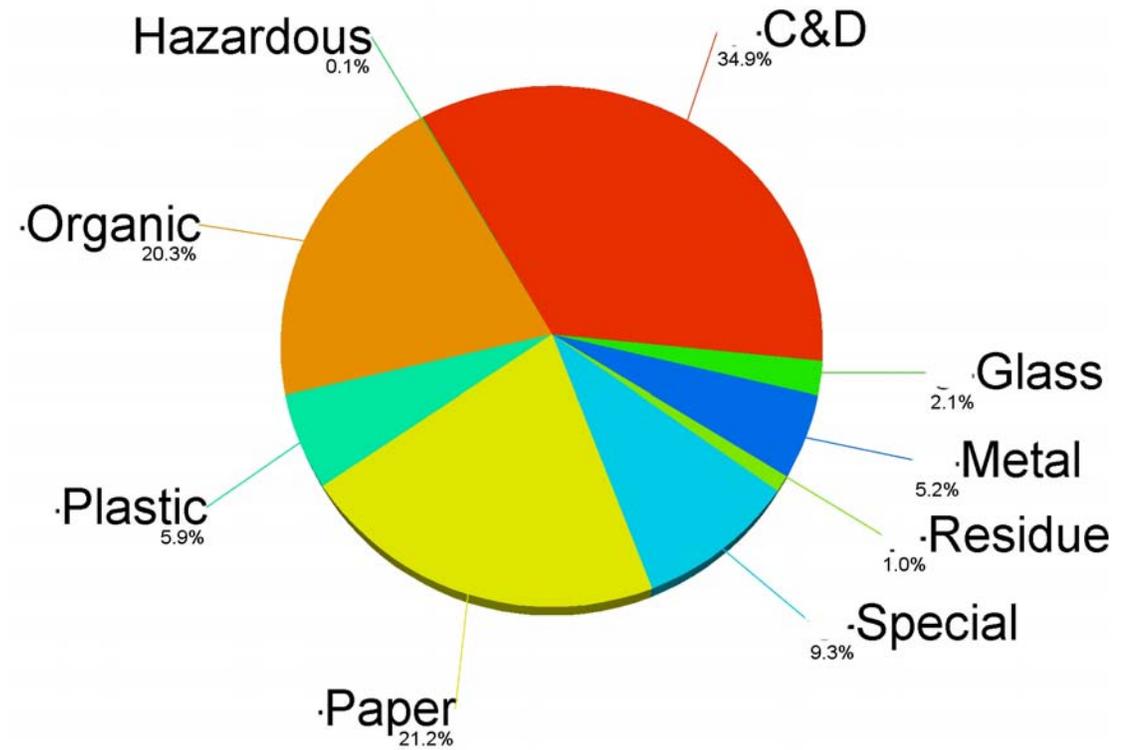
A significant portion of the City of San Diego's waste stream contains recyclable materials, warranting concerted diversion efforts. A summary of the composition of waste disposed of in the City of San Diego is provided in Table 2, and Figure 2 shows additional recycling potential.

Table 2: Composition of Waste Disposed of in San Diego (calculated at 90% confidence interval).

<u>Category</u>	<u>Percent</u>	<u>Tons</u>				
Paper	21.3	356,591		Organic	20.3	341,874
Uncoated Corrugated Cardboard	5.7	85,299		Food	8.3	139,758
Waxed Corrugated Cardboard	0.6	9,680		Leaves and Grass	4.2	70,193
Newspaper	3.7	61,961		Prunings and Trimmings	3.0	50,334
Paper Bags	0.5	9,063		Branches and Stumps	0.9	15,661
Magazines and Catalogs	0.9	15,602		Manures	>0	210
White Ledger Paper	1.2	20,046		Textiles	1.4	22,754
Colored Ledger Paper	0.3	4,215		Diapers	1.2	19,740
Computer Paper	0.1	1,148		Remainder/Composite Organic	1.4	23,226
Other Office Paper	0.4	6,540				
Remainder/Composite Paper	4.9	82,984		Construction and Demolition	34.9	586,157
Phone Books and Directories	0.3	5,125		Concrete	4.1	69,435
Miscellaneous Paper	3.3	54,920		Asphalt Paving	0.5	8,496
				Asphalt Roofing	2.5	41,197
Glass	2.1	34,626		Non-Treated Lumber	3.8	63,628
CRV Clear Bottles	0.5	7,757		Treated Lumber	5.3	89,778
Non-CRV Clear Bottles and Containers	0.3	5,869		Gypsum Board	2.6	43,333
CRV Brown Bottles	0.2	3,923		Rock, Soils, and Fines	9.4	157,887
Non-CRV Brown Bottles and Containers	>0	422		Contaminated Soil, Street Sweeping, Etc.	1.1	18,014
CRV Other Colored Bottles	0.3	5,534		Carpet and Carpet Padding	3.0	50,463
Non-CRV Other Colored Bottles	0.1	1,449		Remainder/Composite C&D	2.6	43,927
Flat Glass	0.4	7,362				
Reaminder/Composite Glass	0.1	2,310		Household Hazardous	0.1	2,232
				Paint	>0	144
Metal	5.2	86,682		Vehicle and Equipment Fluids	>0	36
Tin/Steel Cans	0.6	9,480		Used Oil	>0	157
Major Appliances	0.0	727		Batteries	0.1	1,053
Other Ferrous Metal	2.6	43,526		Remainder/Composite Household Hazardous	0.1	841
CRV Aluminum Cans	0.2	2,558				
Non-CRV Aluminum Cans	0.0	257		Special Wastes	9.3	155,954
Other Non-Ferrous Metal	0.3	4,863		Ash	>0	478
Composite Metal	1.5	25,273		Sewage Solids	7.2	120,560
				Industrial Sludge	0.2	3,219
Plastic	5.9	98,545		Treated Medical Waste	0.1	2,073
CRV HDPE Containers	0.2	3,915		Bulky Items	1.3	21,275
Non-CRV HDPE Containers	0.1	1,391		Tires	0.1	1,771
CRV PETE Containers	0.1	1,347		Remainder/Composite Special Waste	0.4	6,578
Non-CRV PETE Containers	0.3	4,970				
Miscellaneous Plastic Containers	0.4	6,383		Mixed Residue	1.0	17,562
Film Plastic	2.8	46,651				
Durable Plastic Items	0.9	15,358				
Remainder/Composite Plastic	1.1	18,533				
				Total	100.0	1,680,211

Source: City of San Diego Waste Composition Study 1999-2000.

Figure 2. Summary of the composition of waste disposed of in the City of San Diego. Data are from Table 2, City of San Diego Waste Composition Study 1999-2000.



2.4.1 IMS RECYCLING SERVICES, INC.

IMS provides several recycling services including operation of the Boston Avenue facility. This facility accepts, separates, and prepares for transport one half of the recyclable materials collected by the City's curbside program, and also material from other sources. Commingled materials are separated using CP Manufacturing, Inc. equipment. Modifications to expand this facility would not be expected to trigger the need for an NDFE amendment.

Location of Facility:	2740 Boston Avenue San Diego, CA 92113
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Site Capacity:	4,000 tons per month
Daily Peak Loading:	Not available
Annual Loading:	48,000 tons

Days and Hrs of Operation:	7:00 a.m. to 5:00 p.m. Monday - Friday
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Facility Size:	60,000 sq. ft.
Operating Area Size:	60,000 sq. ft.
Incoming Waste Material:	40 vehicles per day
Outgoing Waste Material:	10 vehicles per day

2.4.2 EDCO RECYCLING

EDCO provides several solid waste services in the region including operation of the EDCO Recycling Facility in Lemon Grove. EDCO has a contract with the City to accept, separate, and prepare for transport recyclable materials collected at City Park and Recreation locations. Recycling drop-off bins are located at most of the City's parks. This facility accepts and processes approximately 1,300 tons of recyclable materials per year from the City Park and Recreation program. Modifications to expand this facility would not be expected to trigger the need for an NDFE amendment.

Location of Facility: 6700 Federal Blvd.
Lemon Grove, CA 91945

Site Capacity:	Not available
Daily Peak Loading:	Designed to process an average 600 tons of source-separated and single stream recyclables per day
Annual Loading:	Not available
Days and Hrs of Operation:	8:00 a.m. to 4:30 p.m. Monday - Friday 8:00 a.m. to 12:00 p.m. Saturday
Facility Size:	40,000 ft ²
Operating Area Size:	40,000 ft ²
Incoming Waste Material:	Not available
Outgoing Waste Material:	Not available

2.4.3 MIRAMAR RECYCLING FACILITY

The City promotes diversion via a public/private partnership with a facility located at the entrance to the Miramar Landfill. This location is important in assuring convenient



access and emphasizing the ethic that recyclable materials are not trash. The Miramar Recycling Facility is located at the landfill entrance and is operated by Allan Company, which leases the land from the City. CRV materials, fibers, scrap metals, mattresses, toilets, and tires are accepted. This facility serves the San Diego area. Modifications to expand this facility would not be expected to trigger the need for an NDFE amendment.

Location of Facility: 5165 Convoy Street
San Diego, CA 92111

Site Capacity: 200 tons
Daily Peak Loading: 60 tons
Annual Loading: 12,000 tons

Days and Hrs of Operation: 7:00 a.m. to 4:30 p.m. Monday - Friday
7:30 a.m. to 4:30 p.m. Saturday-Sunday

Facility Size: 2 acres
Operating Area Size: 2 acres
Incoming Waste Material: 175 vehicles per day
Outgoing Waste Material: 4 vehicles per day

2.4.4 OTHER FACILITIES

The City promotes many recycling companies by listing them on the City's Recycling Guide. The larger recycling facilities are run by the following companies: Regan Recycling, Allan Company, California Metals, Cactus Recycling, Fibre Resources, Unlimited, Inc., Pacific Steel, Inc., San Diego Fibres, San Diego Pallet, EDCO Recycling, and Waste Management, Inc.

Many of the facilities listed in the City's brochure are small operations that collect primarily CRV materials. Several companies, such as 20/20 Recycling Co. and Tomra Pacific Recycling, operate many small recycling centers throughout the region. These small companies sell the recyclable materials to larger companies, which process and ship the materials to end-users. The following list includes these smaller operations:

A-1 Alloys	Old Town Recycling
AB Recycling	Otay Landfill
Allan Company	Pacific Beach Mobile Recycling
Aluminum Cans Plus	Pacific Coast Recycling
American Recycling	Pacific Steel Inc.
ARC International Corporation	Palm Avenue Recycling
Ashford Recycling Center	Recycle San Diego, Inc.
Bay Ho Recycling	Regan Recycling
Can Depot	San Diego Fibers Corp.
EDCO Recycling	San Diego Wild Animal Park
Escondido Recycling Yard	Save the Planet Recycling Center Inc.
E-World Recyclers	Southwest Recycling
IMS Recycling	Spring Recycling
J&R Recycling	Stadium Market & Recycling
Linda Recycling	The Recycling Depot
Main Street Recycling	Tomra Pacific Recycling
Mike's Recycling	
Nexcycle	
OB Recycling	

The City's brochure also promotes companies that collect recyclable material directly from businesses. With the implementation of the City Recycling Ordinance, this brochure was reformatted to distinguish the City's franchised waste haulers and certified recyclable material collectors from non-certified recyclers. These companies collect materials such as computer/white office paper, colored paper, mixed office paper, newspaper, cardboard, CRV aluminum, CRV glass, scrap glass, tin and steel cans, CRV (polyethylene terephthalate, or PET) plastic, high-density polyethylene (HDPE) plastic, industrial plastics, cooking oil, polystyrene, wood pallets, and green waste. They include the following companies:

Franchised Waste Haulers and/or Certified Recyclers

Allan Company	Legacy Fibers International
Allied Waste Services	Sani-Tainer
Cactus Recycling	Tayman Industries Inc.
Coast Waste Management	Ware Disposal
Debris Box	Waste Management Inc.
Dependable Disposal	Webco
EDCO Waste & Recycling	
Express Waste & Recycling	

Non-Certified Recyclers

Arrow Recycling Inc.	Recall Secure Destruction
California Metals	Resource Management Group
Fibre Resources Unlimited Inc.	San Diego Fibres Corporation
Green Earth Recycling	San Diego Pallet Inc.
Klein Metals & Recycling	Summit Corrugated
North County Grease SVC	Urban Corps of San Diego
Old Town Recycling	
Prime Plastics Products	

The City also has included in the recycling guide facilities that collect construction and demolition debris and yard waste. With the implementation of the City's C&D Ordinance on July 1, 2008, this guide was reformatted to only display facilities that have been certified by the City for the C&D Ordinance. These facilities are divided in three categories: Certified Mixed C&D Processing Facilities, Certified Mixed C&D Transfer Stations, and Source Separated Recycling Facilities. The Source Separated Recycling Facilities accept materials such as metals, clean wood, concrete, asphalt, clean fill dirt, mixed inerts (ie. concrete, asphalt, dirt, rock, brick etc.), corrugated cardboard, carpet, carpet padding, textiles, building materials for reuse, green waste, land clearing debris, toilets (stripped), brick, block, ceramic tile, industrial plastics, and/or polystyrene (no peanuts). The following are the companies that are currently listed:

Certified Mixed C&D Processing Facilities:

EDCO Waste and Recycling Services CDI Recycling (Section 2.3.5)	SANCO Resource Recovery (Section 2.3.8)
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Certified Mixed C&D Transfer Stations:

EDCO Recovery and Transfer Station (Section 2.2.1)	Escondido Resource Recovery Transfer (Section 2.3.6 (above)) Ramona MRF and Transfer (Section 2.3.7)
EDCO Station (Section 2.3.2)	

Certified Source Separated Recycling Facilities:

Allan Company, Consolidated Way	Habitat for Humanity ReStore
Allan Company Miramar Recycling	IMS Recycling Services, Boston Ave.
Allan Company, Mast St	IMS Recycling Services, Main St.
Cactus Recycling	Inland Pacific Resource Recovery
EDCO Recycling Center, San Diego	JCloud Inc./Hester's Granite Co.
EDCO Recycling Center, La Mesa	Miramar Greenery
EDCO Recycling Center, Lemon Grove	Pacific Steel, Inc.
EDCO Recycling Center, Ramona	Rimrock CA, LLC
Ennis Incorporated	Romero General Construction Corp.
Escondido Sand and Gravel	Vulcan Carol Canyon Landfill

The following non-certified facilities also accept Construction and Demolition debris:

Agri-Services	Hanson Aggregates
Architectural Salvage	L.E. Morrison Sand & Gravel
Battle Lumber & Hardware	Lakeside Land Co.
California Commercial Asphalt	Moody Excavating
Carpet Pad Collections	ReRock Materials
3D Carpet Covering	Romero General Const Corp.
D & D Recycling	Superior Ready Mix Concrete
Habitat Restore	Vulcan Materials - Western Div.

2.5 Facilities Deleted from the NDFE

This section lists all facilities that are no longer in operation or no longer planned and therefore have been deleted from the City's planning effort. Currently there is one such facility.

2.5.1 CITY MATERIAL RECOVERY FACILITY

This Material Recovery Facility was planned for the Miramar Landfill to reduce the amount of waste, especially construction and demolition debris buried in the landfill. The MRF would have incorporated mechanized and manual sorting of incoming loads to separate the maximum amount of recyclable materials possible. Diverted recyclables would have included construction and demolition waste, metals, cardboard, and green waste.

2.6 Map of NDFE Facilities

