



The City of Long Beach

Department of Development Services

WASTE MANAGEMENT PLAN INSTRUCTION SHEET

Information
Bulletin

DS-002

Effective: 11-05-2007
Revised: 08-22-2008

Why is there a recycling ordinance?

Construction and Demolition (C&D) debris represents an estimated 22 percent of the total disposed waste stream in local landfills. Much of this material can be reused or recycled, conserving natural resources and saving valuable landfill space.

In response to State-mandated waste reduction goals and as part of the City's commitment to sustainable development, the City adopted an ordinance that requires certain demolition and/or construction projects to divert at least 60% of waste either through recycling, salvage or deconstruction. Over 100 cities and counties in California have already adopted similar ordinances enacting a C&D materials recycling program specific to their jurisdiction.

Waste Diversion Deposit

The C&D diversion program objective is to encourage permit applicants to recycle all C&D materials through available facilities that reuse or salvage recyclable materials in demolition, deconstruction, and construction projects. To assure uniform compliance with this program, a waste diversion deposit will be required. The amount of this deposit is based on the valuation of your demolition or construction project. The minimum deposit amount will be \$2,500.00 up to a maximum amount of \$50,000.00.

Instructions for Completing the Waste Management Plan (WMP)

The attached packet is designed to track the amount of construction and/or demolition debris diverted or disposed during the life of your construction project. The information required in the attached package must be completed and submitted to the Department of Development Services for review and approval.

To assist you in completing the required information on the attached packet, the Department has created an automated data entry program that calculates, by category, the amount of estimated waste that must be diverted. Should you desire to use this method, please follow the instructions below regarding "automated mixed debris diversion calculation method".

1. Project Information

Information necessary to complete this sheet includes: Name of owner, name of applicant, project address, project type and project size represented as square footage of demolition, new construction, addition, tenant improvement, remodel or alteration. Most of the information required on this sheet is also found on the building permit application. Please do not hesitate to ask Building Counter Staff for assistance when completing this form.

2. Diversion Rate Calculations

A. Automated mixed debris diversion calculation method

You may choose to divert all of your C&D waste debris to an approved “mixed waste” facility. If you choose this method, continue to page three and indicate C&D Hauler (see *Exhibit B) and Facility (see *Exhibit C) in Mixed Debris category. The Building counter staff will provide the automated data for factoring your diversion calculations required on this sheet.

B. Manual itemized debris diversion estimate method

In this table, using your own estimates identify the weight of the C&D debris, by material type that will be generated, recycled, reused, salvaged, disposed or transformed/incinerated (see *Exhibit A). If you do not know the amount of waste, City staff will provide an estimate for you. Included on this form are the requirements for amounts to be recycled, reused or salvaged. If you are not able to divert the required 60%, please provide an explanation in the space provided at the bottom of this form.

3. Vendors and Facilities

In this table, list all of the haulers that will be used for this project (see *Exhibit B) and all recyclers, salvage companies, recycling facilities, mixed use material recovery facilities, landfills or transformation facilities (incineration facilities) that will be used for recycling, reuse or disposal of C&D debris. (see *Exhibit C)

Using your own estimates or the calculations provided by the Department of Development Services identify the weight of the C&D debris, by handling method (that is, recycled, reused, salvaged, disposed or transformed/incinerated).

Please fill the appropriate columns for each category completely or if you do not have the type of material, leave that row blank. Complete the bottom of the page by listing items such as windows, doors, toilet fixtures that will be reused or recycled.

4. Signature Page

The owner or authorized agent of the owner must sign this signature page. If the owner is not available, inform the Building Counter Staff for further instructions.

5. Final Report and Compliance Form

Within 30 days after receipt of Certificate of Occupancy or the completion of demolition, a final report and compliance form must be submitted, complete with the facility name, material and total tonnage disposed and/or diverted. Copies of documentation, such as weight tickets and the facilities recycling rate documentation must be attached. Return the completed report and compliance form to the Waste Management Program Compliance Official (WMP) located on the fourth floor of City Hall.

Once documentation is received, and the WMP Compliance Official has reviewed and verified diversion requirements have been met, a check will be issued to the originator of the waste diversion deposit based on the following criteria:

- If full compliance is met (60% of waste material associated with this project diverted and no more than 20% of the 60% was from recycling or reuse of inert materials, such as asphalt, brick, concrete and ceramics) a full release of the waste diversion deposit will be approved.
- If partial compliance is determined, (established as a percentage less than 60 % of diverted waste materials attached to the project) a partial return of the waste diversion deposit will be released, based on the percentage of compliance meeting the WMP diversion program.
- If all required documentation is not received within the prescribed 30 days after completion of project or if it is determined that diversion of waste was not achieved, the waste diversion deposit is forfeited.
- Exemptions may be granted based on the following considerations:
An Emergency situation exists, Contamination by hazardous substances or low recyclability of specific materials. All exemptions must be applied for in writing and submitted with Final Report and Compliance Form.

6. APPEALS

The owner or authorized agent of the owner may appeal a decision rendered by the WMP Compliance Officer relating to determination of a partial or total forfeiture of the waste diversion deposit. Notice of any appeal must be filed within ten (10) calendar days from the date that such ruling is made. A Hearing Officer designated by the Department of Development Services shall review the appeal. The decision of the Hearing Officer upon such appeal, relative to any matter within the jurisdiction of the WMP Compliance Official, shall be final and shall not be appealable to the City Council or to any other City body or official.

Attached Reference Sheets

- *Waste Management Plan Application Form (5 pages)
- *Exhibit A: Conversion Factors for C&D Reporting
- *Exhibit B: Permitted C & D Haulers
- *Exhibit C: Diversion Facilities List



CITY OF LONG BEACH CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM

Waste Management Plan (WMP)

Municipal Code Chapter 18.97

Long Beach Development Services

333 W. Ocean Blvd., 4th Floor, Long Beach, CA 90802

Information: (562) 570-LBDS Fax: (562) 570-6753

lbs.longbeach.gov

PROJECT INFORMATION

Project Address: _____ Project No.: _____

Applicant Name: _____ Date: _____

Mailing Address: _____ City: _____ State: _____ Zip: _____

Phone No.: _____ Fax No.: _____ Email: _____

Property Owner: _____ Phone No.: _____ Fax No.: _____

Owner Address: _____ City: _____ State: _____ Zip: _____

Project Type: Check appropriate box(es)

- | | |
|--|---|
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Demolition |
| <input type="checkbox"/> Remodel/Additions | <input type="checkbox"/> Public Project |
| <input type="checkbox"/> Non-Residential | <input type="checkbox"/> Residential |

Project Size (Sq. Ft.): _____

Project Description: _____

Comments: _____

OFFICE USE ONLY

Project Valuation: \$ _____ Admin Fee Amount: \$ _____
0.25% of Valuation (\$125 min, \$2,500 max) Initials _____

Meets Diversion Requirement: Yes No Deposit Fee Amount: \$ _____
3% of Valuation (\$1,500 min, \$50,000 max) Initials _____

Deposit Payment Type: Cash/Check Bond
 Credit Card

WMP Approved By: _____ Date: _____



CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM
 Waste Management Plan (WMP)
DIVERSION RATE CALCULATIONS

Address: _____ **Project No.:** _____ **Date:** _____

You may choose to divert the C&D debris to an approved mixed use recovery facility or to other facilities based on the material type and handling method (i.e., recycled, reused, salvaged, disposed or transformed).

In the table below, using your own estimates (Exhibit A) or the calculations provided by Long Beach Development Services, identify the weight of the C&D debris that will be generated by material type.

Diversion Requirements:

1. At least 60% of all material generated by the project must be diverted.
2. No more than 20% of the 60% can be from recycling or reuse of inert materials, such as asphalt, brick, concrete and ceramics.

Material Type	Total Tons To Be Generated <i>A</i>	Tons to be Recycled <i>B</i>	Tons to be Reused or Salvaged <i>C</i>	Total Tons Recycled, Reused, or Salvaged <i>D</i> <i>(D = B + C)</i>	Tons to be Disposed or Transformed <i>E</i> <i>(E = A - D)</i>
Mixed Debris					
Total Mixed Debris (Tons)					
Inert Debris					
Inert Sub-Total (Tons)					
Non-Inert Debris					
Non Inert Sub-Total (Tons)					
Total (Inert + Non-Inert)					

PROJECT TOTALS

Diversion Required to Meet (in tons): **60%** $F = (A \times 60\%)$

Max. Amount of Credit for Inert Debris (in tons): $G = (F \times 20\%)$

Amount of Non-Inert Debris Required for Diversion (in tons): $F - G =$

If less than 60% diversion is estimated, please explain: _____



**CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM
Waste Management Plan (WMP)**

VENDORS AND FACILITIES

Address: _____ **Project No.:** _____ **Date:** _____

In the table below, list the haulers that will be used by this project (Exhibit B), all recyclers, salvage companies, recycling facilities, mixed use material recovery facilities, landfills, or transformation facilities that will be used for recycling, reuse, or disposal of C&D debris (Exhibit C), and the handling method (i.e., recycled, reused, salvaged, disposed or transformed).

Staff Instructions: Using the applicant's estimates or the calculations provided by the Department, identify the weight of the C&D debris, by handling method. Include the facility's recycling rate in the appropriate column.

Material Type	Hauler	Facility	Handling Method	Recycling Rate	Total Tons To Facility	Total Tons Diverted (Rate X Tons)
Mixed Debris				For Staff Use Only		
Mixed Debris Total (Tons)						
Inert Debris						
Inert Total (Tons)						
Non-Inert Debris						
Non-Inert Total (Tons)						

Itemized Building Material List that will be Reused or Recycled (e.g., doors, windows, fixtures, etc.)				
			ESTIMATED Total (complete appropriate columns)	
Item	Quantity	Size	Tons	Cubic Yards



**CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM**

Waste Management Plan (WMP)

Municipal Code Chapter 18.97

Long Beach Development Services

333 W. Ocean Blvd., 4th Floor, Long Beach, CA 90802

Information: (562) 570-LBDS Fax: (562) 570-6753

lbs.longbeach.gov

SIGNATURE PAGE

Project Address: _____

Project No.: _____

Applicant Name: _____

Date: _____

I acknowledge that the Waste Diversion Deposit of \$ _____ will be returned after a completed FINAL REPORT AND COMPLIANCE FORM is submitted to the City **within 30 days** after project completion, and that the amount of deposit returned will be based on the rate of compliance. **I am also aware that the deposit will be returned to the person whose name appears on the receipt for the deposit.**

An applicant or any interested person may appeal rulings of the WMP Compliance Official in accordance with the provisions of Long Beach Municipal Code Section 18.97.090. **A Notice of Appeal must be filed within ten (10) days of the date that such ruling is made.** The decision of the Hearing Officer conducting the appeal is final and is not appealable to the City Council or to any other City body or official.

Check One:

- I, as the undersigned Owner, fully acknowledge the requirements of the City of Long Beach Construction and Demolition Recycling Program as set forth in Municipal Code Chapter 18.97.
- I, hereby appoint _____ to act as my Authorized Representative to sign or submit all documents, payments and/or deposits necessary to comply with the City of Long Beach Construction and Demolition Recycling Program. This authorization is effective immediately and will continue until it is revoked. I hereby agree that the City of Long Beach and its agents or employees may act under it. I further acknowledge that I am responsible for the accuracy of the information submitted by my Authorized Representative. **I also acknowledge that any deposit that is returned will be returned to the person whose name appears on the receipt for the deposit.**

Name of Owner	Signature	Date
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I, as the undersigned Authorized Agent, fully acknowledge the requirements of the City of Long Beach Construction and Demolition Recycling Program as set forth in Municipal Code Section 18.97.090.

Name of Authorized Agent	Signature	Date
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CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM
 Waste Management Plan (WMP)

FINAL REPORT AND COMPLIANCE FORM

Project Address:

Project No.:

Applicant Name:

Date:

Within 30 days after completion of your project, provide facility name, material, and total tonnage disposed and/or diverted. Copies of documentation, (i.e. weight tickets) must be attached. Return the completed form to Long Beach Development Services.

I. DISPOSAL FACILITIES

Please name all of the facilities (i.e., landfill or transformation facility name) materials were taken:

Material Type	Disposal Facility Name	Total Tons Disposed
Total Tons Disposed		

II. RECYCLING/REUSE/SALVAGE FACILITIES

Please name all of the recycling facilities or recyclers (materials given or sold to):

If materials are taken to a mixed C&D material recycling facility, indicate name of facility and diversion percentage only.

Material Type	Facility Name	Total Tons Recycled, Reused, or Salvaged
Mixed Debris		
Total Tons Mixed Debris Diverted		
Inert Debris		
Total Tons Inert Debris Diverted		
Non-Inert Debris		
Total Tons Non-Inert Debris Diverted		

III. PROJECT TOTALS

Total Tons Generation	
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To the best of my knowledge, the above information is an accurate representation of the disposition of the construction and demolition materials generated on-site at the construction job. I understand that the City of Long Beach may audit disposal and recycling documentation.

Owner Name

Signature

Date

Name of Authorized Agent

Signature

Date



CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM
 Waste Management Plan (WMP)

FINAL COMPLIANCE REPORT APPROVAL PAGE

PROGRAM STAFF USE ONLY

Project Address: _____ Project No.: _____

Diversion Requirement Met: Yes No

% of Diversion Met: _____

Amount of Deposit: \$ _____

% of Deposit to be Returned: _____

Amount to be Returned: \$ _____

Make Check Payable to: *(Name and address of person who paid for the deposit and appears on the receipt)*

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Final Compliance Report Approved: Yes No

Final Report Approved By: _____ Date: _____

Comments/Notes: _____

ADMINISTRATIVE STAFF USE ONLY - RETURN OF DEPOSIT

Return of Deposit:	<u>T-Code</u>	<u>G/L</u>	<u>Subsidiary</u>	<u>Index</u>	<u>Project</u>
	207	341	350001	PB3501	PBRECY

Approved By: _____

Check No.: _____

Amount: \$ _____

Check Date: _____

Processed By: _____

Comments: _____

** Please verify name and address matches with person who paid the deposit. Thank you. **



**CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM
Waste Management Plan (WMP)**

CONVERSION FACTORS for C&D REPORTING

MATERIAL	SIZE	PROJECT SIZE	LBS	TOTAL (Project Size x lbs)
Asphalt, crushed	1 cubic foot		45	
Asphalt/paving, crushed	1 cubic yard		1,380	
Asphalt/shingles comp, loose	1 cubic yard		418.5	
Asphalt/shingles comp	400 sq.ft. coverage		225	
Asphalt/shingles comp	Square		56.25	
Asphalt/tar roofing	1 cubic yard		2,919	
Brick, common hard	1 cubic foot		112-125	
Brick, whole	1 cubic yard		3,024	
Cement, bulk	1 cubic foot		100	
Cement, mortar	1 cubic foot		145	
Ceramic tile, loose 6"x6"	1 cubic yard		1,214	
Chalk, lumpy	1 cubic foot		75-85	
Charcoal	1 cubic foot		15-30	
Clay, kaolin	1 cubic foot		22-33	
Clay, potter's dry	1 cubic foot		119	
Concrete, cinder	1 cubic foot		90-110	
Concrete, scrap, loose	1 cubic yard		1,855	
Cork, dry	1 cubic foot		15	
Earth, common, dry	1 cubic foot		70-80	
Earth, loose	1 cubic foot		76	
Earth, moist, loose	1 cubic foot		78	
Earth, mud	1 cubic foot		104-112	
Earth, wet, containing clay	1 cubic foot		100-110	
Fiberglass insulation, loose	1 cubic yard		17	
Fines, loose	1 cubic yard		2,700	
Glass, broken	1 cubic foot		80-100	
Glass, plate	1 cubic foot		172	
Glass, window	1 cubic foot		157	
Granite, broken or crushed	1 cubic foot		95-100	
Granite, solid	1 cubic foot		130-166	
Gravel, dry	1 cubic foot		100	
Gravel, loose	1 cubic yard		2,565	
Gravel, wet	1 cubic foot		100-120	
Gypsum, pulverized	1 cubic foot		60-80	
Gypsum, solid	1 cubic foot		142	
Mortar, hardened	1 cubic foot		100	



CITY OF LONG BEACH CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM Waste Management Plan (WMP)

CONVERSION FACTORS for C&D REPORTING

MATERIAL	SIZE	PROJECT SIZE	LBS	TOTAL (Project Size x lbs)
Mortar, wet	1 cubic foot		150	
Mud, dry close	1 cubic foot		110	
Mud, wet fluid	1 cubic foot		120	
Pebbles	1 cubic foot		90-100	
Pumice, ground	1 cubic foot		40-45	
Pumice, stone	1 cubic foot		39	
Quartz, sand	1 cubic foot		70-80	
Quartz, solid	1 cubic foot		165	
Rock, loose	1 cubic yard		2,570	
Rock, soft	1 cubic foot		100-110	
Sand, dry	1 cubic foot		90-110	
Sand, loose	1 cubic yard		2,441	
Sand, moist	1 cubic foot		100-110	
Sand, wet	1 cubic foot		110-130	
Sheetrock scrap, loose	1 cubic yard		393.5	
Slate, fine ground	1 cubic foot		80-90	
Slate, granulated	1 cubic foot		95	
Slate, solid	1 cubic foot		165-175	
Soil/sandy loam, loose	1 cubic yard		2,392	
Stone or gravel	1 cubic foot		95-100	
Stone, crushed	1 cubic foot		100	
Stone, crushed, size reduced	1 cubic yard		2,700	
Stone, large	1 cubic foot		100	
Cork, dry	1 cubic foot		15	
Pallet, wood or plastic	average 48" x 48"		40	
Particle board, loose	1 cubic yard		425.14	
Plywood, sheet 2' x 4'	1 cubic yard		776.3	
Roofing/shake shingle, bundle	1 cubic yard		435.3	
Sawdust, loose	1 cubic yard		375	
Shavings, loose	1 cubic yard		440	
Wood chips, shredded	1 cubic yard		500	
Wood scrap, loose	1 cubic yard		329.5	
Wood scrap, stacked	1 board foot		2.75	
Wood scrap, stacked	1 cubic yard		800	
Wood, bark, refuse	1 cubic foot		30-Oct	
Wood, pulp, moist	1 cubic foot		45-65	
Wood, shavings	1 cubic foot		15	

**CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM
WASTE MANAGEMENT PLAN**

PERMITTED C AND D HAULERS

Company Name	Address	City	Zip	Phone
Self Haul				
A Rent-A-Bin	901 So. Maple Ave.	Montebello	90640	(323)726-4056
Arakelian Enterprises./ Athens	P. O. Box 60009	City of Industry	91716	(626)336-3592
BFI/Allied Waste Industries	14905 S. San Pedro St.	Gardena	90248	(310)323-0763
Calmet	P. O. Box 2137	Paramount	90723	(562)259-1239
Consolidated Disposal Services	12949 E. Telegraph Rd.	Santa Fe Springs	90670	(562)663-3541
CR & R	12739 Lakeland Road	Santa Fe Springs	90670	(562)944-4716
EDCO Waste Services/BZ Disposal	P.O. Box 116	Lakewood	90714	(562)423-8161
Haul Away Rubbish Service	1205 Date Street	Montebello	90640	(323)721-0371
Innovative Waste Control	4133 Bandini Blvd.	Vernon	90023	(323)264-0202
Lieb Disposal/EDCO	P. O. Box 116	Lakewood	90714	(562)423-8161
Litterbox Containers/EDCO	P.O. Box 398	Buena Park	90621	(562)423-8161
Long Beach Rubbish/EDCO	P. O. Box 116.	Lakewood	90714	(562)423-8161
Norcal Waste Services	3514 Emery Street	Los Angeles	90023	(888)853-5110
Olympic Disposal Services	116 W. Maynard Road	Montebello	90640	(323)685-8584
Pete's Rubbish Service/EDCO	P.O. Box 398	Buena Park	90621	(562)597-0608
Signal Hill Disposal/EDCO	P.O. Box 398	Buena Park	90621	(562)597-0608
Universal Waste Systems, Inc.	P. O. Box 3038	Whittier	90605	(562)941-4900
Waste Management-Compton	9081 Tujunga Avenue	Sun Valley	91352	(310)522-6579

**CITY OF LONG BEACH
CONSTRUCTION AND DEMOLITION RECYCLING PROGRAM
WASTE MANAGEMENT PLAN**

DIVERSION FACILITIES LIST

Company Name	Address	City	Zip	Phone	Materials														Notes							
					Mixed C&D Materials	Concrete	Asphalt	Ferrous Metals	Non Ferrous metals	Wood	Yard Waste	Drywall	Sand	Gravel	Topsoil	Carpet	Rock	Gravel		Rebar						
Alpert and Alpert	2350 W 16th St	Long Beach	90813	(562) 624-8833					X																	
Another Pallet Co	6116 Paramount Blvd	Long Beach	90805	(562) 408-6106						X																Stacked wood only
Arnone Recycling center	5674 Cherry Ave	Long Beach	90805	(562) 984-7080					X																	
Calif. Waste Services	621 W 152nd St	Gardena	90247	(310) 538-5998	X																					
Canco Recycling	2725 South St	Long Beach	90805	(562) 602-0622					X																	No concrete, asphalt, tile, brick or dirt
Century Pallets	2911 Norton Ave	Lynwood	90262	(310) 605-0788						X																
Chandlers Sand & Gravel	26311 Palos Verdes Dr E	Rolling Hills Estates	90274	(310) 784-2914		X	X						X	X									X			
Corridor Recycling	22500 S Alameda St	Long Beach	90810	(310) 835-9109				X	X																	
D&D Recycling	1320 W El Segundo Blvd	Gardena	90247	(310) 329-8475																						Carpet pads only
D&T Recycling and Salvage	14113 Garfield	Paramount	90723	(562) 531-4990				X	X																	
Dan Copp Crushing	12017 Greenstone Ave	Sante Fe Springs	90670	(714) 777-6400		X	X																	X		
Downtown Diversion	2424 E Olympic Blvd.	Los Angeles	90021	(213) 612-5005	X																					
Ewles Materials	8182 Katella Ave	Stanton	90680	(714) 894-1988		X	X																			
Falcon Waste Recycling	3031 I St	Wilmington	90744	(562) 590-8531	X	X	X	X	X	X	X															
FS Pallets & Repair Service	140 E 163rd St	Carson	90248	(310) 538-9165						X																
Good Earth Recycling Ctr	2005 Bixby Rd	Lakewood	90712	(562) 490-0072					X																	Cardboard
Habitat for Humanity Restore	17700 S Figueroa St	Gardena	90248	(310) 323-4663																						Residential Fixtures in Good Condition Only
Hanson Aggregates	2400 E PCH	Wilmington	90744	(800) 300-6120		X	X																			
Hanson Aggregates	6956 Cherry Ave	Long Beach	90805	(800) 300-6120		X	X																			
Ideal Metal and Savage Co	18700 S Broadway St	Gardena	90248	(310) 324-1191					X																	
Interior Removal Specialists	9309 Rayo Ave.	South Gate	90280	(323) 357-6900	X																					
Joe Levin and Sons	2863 E Slauson Ave	Huntington Park	90255	(323) 588-4207				X	X																	Scrap only
Los Angeles Fiber Co	5190 S Santa Fe Ave	Vernon	90058	(323) 589-5637																			X			Non-residential carpet only
Pacific Pallet Co	2110 W Gaylord Ave	Long Beach	90803	(562) 432-4315						X																
RC Pallets	11500 Wrightwood Rd	Lynwood	90262	(310) 608-3330						X																Pallets Only
Sims Metals	901 New Dock St	Terminal Island	90731	(310) 831-0281					X															X		
TVI Gold Coast Recycling	7982 Irvine Blvd	Irvine	92618	(949) 551-0363	X																					
West Coast Land Clearing	TBD	Long Beach		(562) 599-2882																						New facility under development