The City of Redondo Beach (City) adopted a recycling program for construction and demolition wastes in December, 2004. The purpose of the program is to provide an incentive to encourage the diversion (recycling or reuse) of specific materials that represent a large percentage of the City's overall waste stream, and to comply with the State mandate.

- Any contractor, builder, demolition hauler, and or resident that applies for a demolition permit is required to submit a Waste Management Plan (WMP) and a performance deposit.
- No more than 32.5% of the 65% diversion rate can be achieved through the recycling or reuse of inert materials.
- The deposit is fully refundable if at least 65% of all wastes generated during the demolition are diverted from landfills, and appropriate documentation is provided to the City.

**STEP 1**

**COMPLETE A WASTE MANAGEMENT PLAN (WMP)**

WMP Form A Estimate — Applicants for demolition permits are required to complete a WMP by completing a WMP Form A Estimate.

Applicants should decide how they intend to assure that at least 65% (32% inert & 32% non-inert) of the wastes that the project will generate will be diverted (recycled or reused) from the landfill.

**In this plan, the applicant will:**
1. Estimate the volume or weight of the demolition materials they expect to generate through their demolition project by material type;
2. Estimate the maximum volume or weight of such materials that can feasibly be diverted via reuse or recycling. **No more than 32% of the 65% diversion rate can be achieved through the recycling or reuse of inert materials unless the applicant can demonstrate to the satisfaction of the WMP Compliance Official that sufficient structural materials do not exist for recycling or that 32% diversion of total waste through non-inert materials is not feasible:**
3. Declare the vendor or facility the applicant proposes to use to collect or receive the material; and
4. The estimated volume or weight of demolition materials that will be landfilled in Class III landfills.
5. Deconstruction. In preparing the WMP, applicants for demolition permits involving the removal of all or part of an existing structure shall consider deconstruction, to the maximum extent feasible, and shall make the materials generated thereby available for salvage prior to landfilling. Deconstruction can be used to meet the 65% diversion requirement provided the applicant contracts with a reuse contractor and documents their efforts in the WMP.
6. Exemptions. If an applicant believes it is infeasible to comply with the diversion requirements of the WMP due to low recyclables or hazardous materials contamination, the applicant may apply for an exemption at the time that the applicant submits the required WMP.
**STEP 2**

**PAY YOUR PERFORMANCE DEPOSIT & WMP FEE**

**Performance Deposit** — Each person (applicant) who applies for a demolition permit shall post a deposit.

**Exemption from the Performance Deposit** — Applicants that choose Deconstruction as a means to demolish their structure(s) will not be required to submit a refundable Performance Deposit provided that they have contracted with a reuse facilitator. Applicants must enclose a copy of their contract with a reuse facilitator along with the WMP in order to waive the Performance Deposit requirement of Section 5-2.705 (a).

**Waste Management Plan (WMP) Fee** — In addition to the Performance Deposit, an WMP fee must also be paid to the City. The WMP fee will compensate the City for all expenses incurred in administering the construction and demolition recycling program, including site inspections, document review, and processing. The WMP fee is non-refundable.

Performance Deposit and WMP fee payments can be made in the form of cash, check, cashier’s check, or money order.

**Payments should be made to:**
City of Redondo Beach

Make your payments when you submit your completed WMP to the: Public Works Department
531 N. Gertruda Avenue
Redondo Beach, CA 90277

**STEP 3**

**DIVERT C & D WASTES THROUGH RECYCLING OR REUSE**

It is the responsibility of every owner, general contractor, subcontractor, and developer to divert the maximum feasible amount of salvageable and reusable materials away from landfilling. All waste diversion methods that qualify for a refund of the performance deposit are subject to restrictions and documentation requirements set forth in regulations issued by the City of Redondo Beach.

Be sure to keep all weight receipts issued by any recycling, reuse and disposal facility and maintain records or logs of the volume and weight of materials reused on the job site. The City may monitor and evaluate each demolition project to gauge progress toward the diversion requirement.

**STEP 4**

**APPLY FOR A PERFORMANCE DEPOSIT REFUND**

Within 30 days following the completion of the demolition project, the applicant shall submit documentation to the City of Redondo Beach Public Works Department which proves compliance with the diversion requirements of this program. The documentation shall consist of:

1. Receipts from the vendor or facility which collected or received each material showing the actual weight or volume of that material;
2. Weight slips/count of material salvaged or reused in current project;
3. A copy of the previously approved WMP Form A Estimate and Form B Actual for the project adding the actual volume or weight of each material diverted and landfilled to Form B Actual;
4. Any additional information the applicant believes is relevant to determining its efforts to comply in good faith.

A properly completed WMP, and all receipts, must be submitted to the Public Works Department prior to refund of deposit.

Deposits will not be refunded to applicants who do not meet the timely reporting requirements of the Municipal Code. A deposit refund will be issued for any project where a demolition permit was withdrawn or cancelled before any work was begun.
The City’s C&D Recycling Ordinance requires that at least 65% of the demolition materials be recycled, and at least 32.5% need to be non-inert materials such as wood, drywall, metals, etc. If this requirement is not met, the applicant is at risk of forfeiting up to $3,000 of the Performance Deposit.

A typical house in Redondo Beach of approximately 1,000 sq. ft. that would generate approximately 60 tons of non-inert debris for disposal or recycling is used for this comparison.

Figure A illustrates a situation where an applicant does not meet all of the requirements by disposing 32.5% of the non-inert materials in the Puente Hills Landfill.

Figure B illustrates the cost savings of complying with all of the requirements and recycling the non-inert materials at the average cost of two different mixed C&D debris recycling facilities in the area:

**Figure A (Landfilling):**
- $1,500 Deposit forfeited/60 Tons = $25.00 per ton
- Puente Hills Landfill Tip Fee = $22.65 per ton
- Transportation to Puente Hills = $10.00 per ton
- Total Approximate Cost = $57.65 per ton

**Figure B (Recycling):**
- Average Processing Fee = $41.50 per ton
- Average Transportation Cost = $5.00 per ton
- Total Approximate Cost = $46.50 per ton
- Total Savings = $11.15 per ton saved
- Grand Total Savings = $669.00 ($11.15 x 60 tons)

**MIXED CONSTRUCTION & DEMOLITION RECYCLING FACILITIES**

<table>
<thead>
<tr>
<th>Downtown Diversion</th>
<th>California Waste Services</th>
<th>BFI Falcon Refuse Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>2424 E. Olympic Blvd. Building 3</td>
<td>621 W. 152nd Street</td>
<td>3031 E. I Street</td>
</tr>
<tr>
<td>Los Angeles, CA 90021</td>
<td>Gardena, CA 90247</td>
<td>Wilmington, CA 90744</td>
</tr>
<tr>
<td>Open 6:00 a.m. to 6:00 p.m. M-F</td>
<td>Open: 6:00 a.m. to 5:00 p.m. M-F</td>
<td>Open: 6:00 a.m. to 4:00 p.m. M-F</td>
</tr>
<tr>
<td>6:00 a.m. to 3:00 p.m. Sat.</td>
<td>7:00 a.m. to 4:00 p.m. Sat.</td>
<td>7:00 a.m. to 12 noon Sat.</td>
</tr>
<tr>
<td>Contact: (213) 612-5005</td>
<td>Contact: (310) 538-5998</td>
<td>Contact: (562) 590-8531</td>
</tr>
<tr>
<td>or (877) WE-DIVERT</td>
<td>or (800) 839-5550</td>
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</tbody>
</table>

For a complete list of recycling facilities, please visit: www.redondo.org

**INERT VS. NON-INERT MATERIALS**

**INERT Materials:**
- Asphalt
- Brick
- Concrete
- Dirt
- Glass
- Rock

**NON-INERT Materials:**
- Cardboard
- Dry Wall
- Green Waste
- Metals
- Wood

**CITY CONTACT**

City of Redondo Beach
Public Works Department
Solid Waste/Recycling Division
531 N. Gertruda Avenue
Redondo Beach, CA 90277
(310) 318-0686, ext. 4193
www.redondo.org

Printed on Recycled Content Paper
City of Redondo Beach  
Form A Estimate  
Waste Management Plan (WMP)

The City of Redondo Beach (City) requires all demolition permit applicants to prepare a Waste Management Plan (WMP). Complete both sides of this form and estimate the amount of waste generated as a result of demolition work performed in the City.

1. General Information  
For assistance with this form, contact (310) 318-0686 ext 4193

Job Site Addresss

Applicant’s Name________________________ Title ______________________

Company ____________________________ Phone ______________________

Company Address __________________________ City________________ State ______ Zip________

Fax #____________________________ Email Address ______________________

Type of Building: ___non-residential ___ residential ___ multi-family residential  
Size of Building:____________

Name of Permitted Demolition Contractor/Hauler: ________________________________

2. Disposal and Recycling Information

How will the waste be handled during your project? (Please check all that apply)

___Job site separation. Material will be segregated into two or more material-specific bins or piles. For example, - one bin/pile for concrete, one bin/pile for metals, and one bin/pile for wood etc.

___Collection and delivery of mixed loads to a Materials Recovery Facility for C&D loads. Clean demolition is commingled in a roll-off bin. The mixed loads are then delivered to a Materials Recovery Facility for sorting.

___Self-haul. Material is collected by the applicant either sorted or mixed, and then delivered to a Materials Recovery Facility and landfills using only the applicant’s equipment and vehicles.

___Deconstruction. Material is deconstructed in order to salvage for donation. Applicant must provide a copy of their contract with a Reuse Facilitator in order to waive the deposit required in section 5-2.705 (a).

Submit this form with payment of the Performance Deposit and the Waste Management Plan Fee to:

City of Redondo Beach  
Public Works Dept.  
531 N. Gertruda Ave.  
Redondo Beach, CA 90277

Date Received ____________  
FOR CITY USE ONLY  
Deposit Paid __  
Date Approved ____________  
WMP Fee Paid __  
Date Denied ______________  
Reviewed by ___________________________________________  
Name __________________________ Date ____________
City of Redondo Beach
Form B Actual
Waste Management Plan (WMP)

Complete both sides of this form and indicate the actual amount of waste generated as a result of demolition work performed in the City within 30 days following the completion of the demolition project. The purpose is to confirm that you diverted from the landfill at least 65% of the material generated by your project with no more than 32.5% coming from the recycling or reuse of inert materials.

Complete this form, attach all receipts and weight tags from recycling facilities, salvage companies, reuse facilitators, deconstruction contractors, waste haulers, processors, transfer stations and landfills and submit to:

City of Redondo Beach
Public Works Dept.
531 N. Gertruda Ave.
Redondo Beach, CA 90277

Job Site Address __________________________________________________________

Applicants Name____________________________________ Title __________________________

Company __________________________________________ Phone _________________________

Company Address __________________________________ City________ State____ Zip_____

Fax #_________________________________________________ Email Address __________________

Name of Permitted Demolition Contractor/Hauler: ______________________________________

CERTIFICATION

I, the undersigned, have complied to the maximum extent practicable with the Municipal Code regarding construction and demolition waste diversion. I hereby attest that the information in this report is true and accurate, and that all the debris was taken to a legitimate recycling, reuse, or salvage facilities as confirmed by the attached receipts.

Applicant signature __________________________________________ Date ____________________

For Assistance in completing this form, contact (310) 318-0686 ext 4193

FOR CITY USE ONLY

Date Received: ____________ Diversion Rate _____________%
Date Approved __________________________
Date Disapproved _______________________
Refund _____________%

Reviewed by __________________________________________

Name __________________ Date ________________
Estimate how much the inert and non-inert demolition debris will weigh in the table below. If any material was measured in units of volume (for example - cubic feet, cubic yards, etc.), convert it to tons using the conversion factors provided.

Conversion factors from volume to tons: Volume x Lbs. / 2,000 = Tons

<table>
<thead>
<tr>
<th>Material</th>
<th>Recycled</th>
<th>Reused</th>
<th>Disposed</th>
<th>Total Quantity Generated</th>
<th>Facility Used/Destination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tons</td>
<td>Tons</td>
<td>Tons</td>
<td>Tons</td>
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<tr>
<td><strong>INERT MATERIALS</strong></td>
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<tr>
<td>Asphalt</td>
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<tr>
<td>1yd³ = 1,380 lbs.</td>
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<td>Brick</td>
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<td>1yd³ = 3,024 lbs.</td>
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<tr>
<td>Concrete</td>
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<tr>
<td>1yd³ = 1,855 lbs.</td>
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<tr>
<td>Dirt</td>
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<td>10yd³ = 18,900 lbs.</td>
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<tr>
<td>Glass</td>
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<td>1yd³ = 2,160 lbs.</td>
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<td>Rock</td>
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<td>1yd³ = 2,570 lbs.</td>
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<tr>
<td>Tile (ceramic)</td>
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<td>1yd³ = 1,214 lbs.</td>
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<td>Other:</td>
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<tr>
<td><strong>INERT SUBTOTAL</strong></td>
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<tr>
<td><strong>NON-INERT MATERIALS</strong></td>
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<tr>
<td>Cardboard, paper</td>
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<tr>
<td>1yd³ = 100 lbs.</td>
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<tr>
<td>Carpet/Carpet Padding</td>
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<td>1yd³ = 84.4 lbs.</td>
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<td>Green Waste</td>
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<tr>
<td>40yd³ = 4,320 lbs.</td>
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<tr>
<td>Gypsum/Dry Wall</td>
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<td>1yd³ = 3,834 lbs.</td>
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<tr>
<td>Metals</td>
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<tr>
<td>1yd³ = 906 lbs.</td>
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<tr>
<td>Mixed C&amp;D</td>
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<tr>
<td>(commingled, recyclable)</td>
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<tr>
<td>Wood (lumber, doors, etc.)</td>
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<tr>
<td>1yd³ = 329.5 lbs.</td>
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<tr>
<td>Other:</td>
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<tr>
<td><strong>Non-Inert Subtotal</strong></td>
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<tr>
<td><strong>TOTALS</strong></td>
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</table>

Fill in the following blanks to determine if you have diverted at least 50% of the material generated by your project:

**Inert**
Total Recycled + Total Reused = _______ / Total Quantity Generated = _______ x 100 = ______%

**Non-Inert**
Total Recycled + Total Reused = _______ / Total Quantity Generated = _______ x 100 = ______%