

Form W - Permitted Credits for Waste Shipments - Liquid Organic Materials

Note 1: You can reduce the total emissions of organic gases on Form B3 by accounting for organic waste materials that are recycled (refer to Frequently Asked Questions in the General Instruction Book). You must attach copies of waste manifests for each shipment for proper credit. Only recycled liquid organic waste material from **permitted** processes should be reported on this form. For all waste from non-permitted processes, please use Form WU. Waste reported on Form W must correspond to organic materials reported on Form B3; i.e., to correctly account for recycled waste, use of the material must be shown on Form B3. Do not report recycled waste oil.

Note 2: If you are planning to apply for Waste Credit for material that is used in a process vented to a control device, please refer to the additional instructions under Frequently Asked Questions of the General Instruction Book.

Note 3: Report the total VOC recycling credits from your waste on this form including any TACs/ODCs which are considered VOC (e.g., formaldehyde). Report any TAC/ODC credits contained in the waste (including those which are VOC) on Form WT. If the organic solvent in the waste is exclusively TAC or ODC and not VOC (i.e., 1,1,1 TCA, Perc., Methylene Chloride, and CFC/Freons), you must only use Form WT to report these emission credits.

Facility Name and ID No.: Please fill in your facility name and AQMD ID number in the designated spaces, exactly as indicated on Form X (Signature Sheet) in your package.

Manifest Document Number and Material Description: Write in column (a) the state manifest document number (which appears near the top right hand corner of your manifest). When waste contains more than one material, one entry (row) must be used for each type of reportable material. Each entry (row) must correspond to an entry of organic materials reported on Form B3. Multiple rows with the same manifest number can be used. In column (b), briefly describe the type of waste in the shipment. In general, there should be a direct correspondence between materials listed on Form B3 and materials listed for waste credits on Form W.

Liquid Material and Quantity: Detailed instructions for calculating waste credits can be found in Appendix E of the General Instruction Book. The amount of liquid material that is recyclable can be determined through laboratory analysis, from waste profile data, or from the hazardous waste manifest. Depending on the method used to calculate waste credit (see Appendix E) you may report the solvent content or the liquid material content in **decimal fraction** in column (c). **If you report the solvent content of the waste shipment, use the emission factor (i.e., liquid density) of the solvent. If you report the liquid material content of the waste shipment, use the emission factor of the material.** The solvent content or liquid material content may be obtained from the hazardous waste manifest or from the waste hauler. If a waste shipment contained multiple materials, use one entry for each. Enter the amount shipped (for six-month: 7/1/07-12/31/07) in column (d), and the units of the shipment (pounds or gallons) in column (e). Please use consistent units. If waste shipped is in pounds, you must report the solvent content or liquid material content in decimal fraction by weight. If waste shipped is in gallons, you must report the solvent content or liquid material content in decimal fraction by volume. Refer to the example in Appendix O of the General Instruction Book.

Auto body shops and car dealers participating in the waste recycling program can apply a 70% default solvent percent by weight (i.e., 0.7 in the liquid material column) to each waste shipment containing clean-up solvents, and claim a 100% waste credit (i.e., 100 in the Credit [%] column) in lieu of a certified lab analysis. This default value does not apply to paint waste and still bottom solids. Facilities claiming higher solvent content must provide a certified lab analysis for each waste shipment to receive 100% waste credit. Copies of all applicable waste manifests must be provided for proper credit.

Emission Factor (VOC Content): Based on the type of material in the waste shipment and the liquid material fraction listed, write the appropriate emission factor in column (f). The emission factor for each material must correspond to the emission factor for the same material used on Form B3. The emission factor should be in lbs/gal or lb/lb and consistent with the unit code indicated in column (e). For solvents, if the density is not explicitly stated on the MSDS, calculate the density by multiplying the specific gravity listed on the MSDS for that material by 8.34 pounds per gallon.

Credit Percent: For each of your waste shipments quantitatively analyzed by a certified laboratory, enter 100 for 100% in column (g). You are entering 100% because in column (c) you used the actual solvent content recovered **OR** in column (f) you used the actual VOC content of your waste (not estimated value). **You must attach a copy of the laboratory test results in addition to the manifest for proper credit, otherwise you will receive only 50% credit for the waste shipment.** For each of your waste shipments not analyzed by a certified laboratory, if shipping records (hazardous waste manifests) show a description of the waste and quantities shipped, 50% of the recyclable waste organic emissions can be claimed as organic gases emission credit. Enter 50 for 50% in the column (g).

Emission Credit: When calculating the emission credit, be sure to use consistent units, i.e.:

If quantity of organic material is in gallons (gal), corresponding units for Liquid Material (decimal fraction) and Credit (%) are by volume and Emission Factor in lbs/gal.

If quantity of organic material is in pounds (lbs), corresponding units for Liquid Material (decimal fraction) and Credit (%) are by weight and Emission Factor is in lb/lb.

To calculate the emission credit from each shipment, use the following formula:

$$\text{Emission Credit} = (\text{Liquid Material in decimal fraction}) \times (\text{Quantity}) \times (\text{Emission Factor}) \times [(\text{Credit \%}) / 100]$$
$$(\text{column h}) = (\text{column c}) \times (\text{column d}) \times (\text{column f}) \times [(\text{column g}) / 100]$$

Subtotal Credit: If you use more than one Form W, indicate in the space provided the page number and the total number of W Forms. For example, if you use 4 forms, indicate in the boxes - page 1 of 4, page 2 of 4, etc. Total the emission credits (on each page) and place the total on Line 1, Subtotal Credit (lbs).

Total Credit: Complete Line 2 only on the last page of Form W. On Line 2 enter the sum of the subtotals from Line 1 of all W forms, and enter total credits on Line 3 of Form B3 (the last page of B3, if more than one page is used).