



## Form WT - Credit for Waste Shipments for Toxic Air Contaminants / Ozone Depleters

**Note:** You can reduce the emissions of some of the Toxic Air Contaminants / Ozone Depleters (TAC/ODC) on Form TAC by accounting for materials hauled away as recyclable waste. You must attach copies of waste manifests for each shipment for proper credit. Only recycled liquid organic TAC/ODC should be reported on this form. For all other recyclable organic wastes, please use Form W or Form WU.

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

**Manifest Document Number:** 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 made for each type of TAC/ODC material. Multiple rows with the same manifest number can be used.

**Material (TAC/ODC), Quantity, and Units:** For each of your waste shipments quantitatively analyzed by a certified laboratory, fill in the actual content of specific TAC/ODC in decimal fraction determined from laboratory test results in column (b). For each of your waste shipments NOT quantitatively analyzed by a certified laboratory, TAC/ODC content can be determined from waste profiles or the hazardous waste manifest (shipping record). If a waste shipment contained multiple TACs/ODCs, use one entry for each of the TACs/ODCs. Enter the amount shipped in column (c), and the units of the shipment ("1" for pounds or "2" for gallons) in column (d). Please use consistent units. If waste shipped is in pounds, you must report the TAC/ODC content in decimal fraction by weight. If waste shipped is in gallons, you must report the TAC/ODC content in decimal fraction by volume.

For example, if manifest number '987654321' contained 1,1,1 TCA and methylene chloride, enter the manifest number on the first line for 1,1,1 TCA, the 1,1,1 TCA content in decimal fraction in column (b), and the total quantity of the shipment in column (c). Indicate the unit in column (d). Enter the same manifest number on the second line of column (a), the Methylene chloride content in decimal fraction in column (b), and the total quantity of the shipment in column (c). Indicate the unit in column (d).

**TAC/ODC Density:** If your quantity (column (c)) is in gallons, enter TAC/ODC density in column (e). If your quantity is in pounds, enter "1" in column (e).

Densities for some typical TACs/ODCs are:

11.13 lbs/gal for methylene chloride (MeCl <sub>2</sub> )	11.05 lbs/gal for 1,1,1, trichloroethane (111-TCA)
13.53 lbs/gal for perchloroethylene (PERC.)	12.5 lbs/gal for chlorofluorocarbons (CFCs)

For other TAC/ODC, refer to your MSDS and enclose a copy, or refer to Appendix I of the General Instruction Book. If the density is not explicitly stated for a TAC/ODC, calculate it by multiplying the specific gravity on the MSDS 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 (f). You are entering 100% because in column (b) you used the actual TAC/ODC content recovered (not estimated value). **You must attach a copy of the Certified laboratory test results in addition to the waste manifest(s) 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 waste can be claimed as a recycled TAC/ODC credit. Enter 50 for 50% in the Credit Percent column.

**Emission Credit:** Enter the TAC code for each TAC/ODC for which you claim recycling credit in the box at the top of column (g). The TAC codes are listed on Forms TACS column (a) and Appendix J of General Instruction Book.

To calculate the emission credit for each TAC/ODC, use the following formulas, as applicable:

a) if column (d) is lbs: 
$$\text{Emission Credit} = [\text{TAC/ODC content (decimal fraction by weight)}] \times [\text{Quantity (lbs)}] \times [(\text{Credit \%}) / 100]$$
$$(\text{column g}) = (\text{column b}) \times (\text{column c}) \times [(\text{column f}) / 100]$$

b) if column (d) is in gal: 
$$\text{Emission Credit} = [\text{TAC/ODC content (decimal fraction by volume)}] \times [\text{Quantity (gal)}] \times [\text{TAC/ODC density (lbs/gal)}] \times [(\text{Credit \%}) / 100]$$
$$(\text{column g}) = (\text{column b}) \times (\text{column c}) \times (\text{column e}) \times [(\text{column f}) / 100]$$

**Subtotal Credit:** If you use more than one Form WT, indicate in the space provided the page number and the total number of pages of Form WT. 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) for **each** TAC/ODC (round to two (2) decimal places) and place the total on Line 1 Subtotal Credit (lbs).

**Total Credit:** Complete Line 2 only on the last page of Form WT. On Line 2 enter the sum of the subtotal credits from Line 1 of all WT forms for each TAC/ODC and enter total credits on Form TACS, column (f), in corresponding rows.