



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ
FORM 2.3 VOC PROCESS MASS-BALANCE WORKSHEET

FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
EMISSION UNIT NO.	SCC	SEG. NO.	

INSTRUCTIONS

If your facility already calculates your VOC or HAP emissions and emission factor directly through a spreadsheet or engineering calculation, this form is **optional** as long as you supply your supporting documentation. This form is designed for annual throughputs measured in **gallons or tons only**. If you use another unit of measure, supply documentation of how you calculated total emissions and an emission factor. Maintain copies of the Material Safety Data Sheet for each material listed and hazardous waste shipment reports for on-demand requests.

1. TOTAL ANNUAL THROUGHPUT AND TOTAL POUNDS OF VOC

APPLICATION METHOD	MATERIAL TYPE	[A] ANNUAL THROUGHPUT (ton/yr. or gal./yr.)	[B] MAXIMUM % BY WT. OF VOC IN MATERIAL	[C] DENSITY (LBS./UNIT) IF (A) IN TONS, (C)=2,000	[D] LBS. OF VOC PER UNIT (B) x (C) = (D)	[E] VOC (LBS./YR.) (A) x (D) = (E)
Enter the total annual throughput value [F] into Section [3], Annual Throughput on Form 2.0		[F] TOTAL ANNUAL THROUGHPUT				[G] TOTAL VOC (LBS./YR.)

2. CALCULATION OF POUNDS OF VOC RECOVERED

AMOUNT OF MATERIAL SHIPPED AS HAZARDOUS WASTE (LBS./YR.)	x	% VOC CONTENT OF WASTE	=	[H] LBS. OF VOC RECOVERED
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3. CALCULATION OF POUNDS OF VOC EMITTED PRIOR TO CONTROL EQUIPMENT

[G] - [H] = [I] [Total lbs. of VOC] - [lbs. of VOC recovered] =	[I] LBS. OF VOC EMITTED PRIOR TO CONTROL
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4. CALCULATION OF EMISSION FACTOR

[I] / [F] = [J] [lbs of VOC emitted prior to control equipment] / [Total annual throughput] =	Enter [J] on Form 2.0 as VOC EF	[J] EMISSION FACTOR IN LBS./UNIT
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