VOC EMISSION CALCULATION SHEET FOR LITHOGRAPHIC PRINTERS

This sheet is provided as a courtesy for printers by the Michigan Department of Environmental Quality (MDEQ), Environmental Science and Services Division, Clean Air Assistance Program, and is not required to be returned or submitted to the MDEQ.

Please print or type all information.

1. INK VOC EMISSION CALCULATION TABLE (complete 1 row for each ink):

	A	B	C=(1-RF)	D
Ink	**Usage** (lb/yr)	**VOC Content** (lb VOC/lb ink or % VOC/100)	**RF=Retention Factor** [Heatset inks: RF=0.20 Nonheatset inks: RF=0.95]	**Actual Emissions** (ton/yr) [**A** x **B** x **C** x 0.0005 ton/lb]
			Total	①

2. FOUNTAIN SOLUTIONS, CLEANING SOLVENTS, AND OTHER MATERIALS VOC EMISSION CALCULATION TABLE (complete 1 row for each material):

	E	F	G
Material	**Usage** (gal/yr)	**VOC Content** [lb VOC/gal or density (lb/gal) x wt % VOC/100]	**Actual Emissions** (ton/yr) [**E** x **F** x 0.0005 ton/lb]
		Total	②

3. TOTAL VOC EMISSIONS (ton/yr): Add the Emissions from Boxes ① and ②

③

4. ACTUAL OPERATING HOURS (hr/yr): List hours of operation

④

5. APPROXIMATE VOC POTENTIAL TO EMIT (ton/yr): Multiply the total VOC Emissions ③ by 8760, then divide by the Actual Operating Hours ④.

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