

**Corrections Addendum to the October 2014
Air Emissions Guide for Air Force Stationary Sources**

**Methods for Estimating Emissions
of Air Pollutants
For Stationary Sources at
U.S. Air Force Installations**



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ISSUE: Page 93 of the Stationary Source Guide provides the notes for Table 11-5. Note 4 states that the "...missing emission factors selected from Table C-1 and C-4 from 40 CFR 98." This is a typo since the Tables used were C-1 and C-2.

RESOLUTION: The reference for Table C-4 should be replaced with a reference to Table C-2.

CORRECTION: Note 4 on page 93 should now read:

4. SOURCE: "Title 40-Protection of the Environment, Chapter I-Environmental Protection Agency, Subchapter C-Air Programs, Part 98-Mandatory Greenhouse Gas Reporting, Subpart C-Mandatory Greenhouse Gas Reporting," U.S. Environmental Protection Agency. Greenhouse gas emissions are the total of the CO₂, CH₄, and N₂O emissions and converted to equivalent CO₂ (CO₂e). CO₂e calculated by multiplying each gas by its global warming potential (GWP). The GWP for CO₂, CH₄, and N₂O are 1, 25, and 298 respectively. Emission factors for greenhouse gases from AP-42 were used where given, with missing emission factors selected from Tables C-1 and C-2 from 40 CFR 98.

ISSUE: Page 310 of the Stationary Source Guide provides Table 30-1. *VOC and PM Emission Factors for Surface Coatings*. There are a few errors in this table regarding emission factors for Nonflat coatings – Medium Gloss and Low Gloss as well as Stains – Traffic marking coatings.

RESOLUTION: The values for Nonflat coatings – medium gloss and low gloss were *swapped* and the value provided for Stains – traffic marking coatings corrected.

CORRECTION: **Discontinue** the use of emission factors from Table 30-1. *VOC and PM Emission Factors for Surface Coatings* and **Replace** with the updated Table:

CORRECTED Table 30-1. VOC and PM Emission Factors for Surface Coatings

Coating Category		Emission Factors (lb/gal)					
		VOC		PM ₁₀ ⁽¹⁾		PM _{2.5} ⁽¹⁾	
		Solvent-Based	Water-Based	Solvent-Based	Water-Based	Solvent-Based	Water-Based
Concrete Coatings	Concrete Curing	1.9	0.34	3.1	1.3	3.0	1.2
	Concrete Curing and Sealing	3.8	0.44	5.3	3.9	5.1	3.5
	Concrete Protectants	3.3 ⁽²⁾		---	---	---	---
	Concrete Surface Retarders	6.5 ⁽²⁾		---	---	---	---
Fire Retardant/Resistive Coatings	Clear	7.1 ⁽²⁾	0.10	---	3.0	---	2.8
	Opaque	2.2	0.34	8.0	4.4	7.7	4.0
Flat Coatings	Interior/Exterior	2.1 ⁽²⁾	0.34	8.6	4.1	8.3	3.7
	Floor coatings	1.3	0.71	8.4	4.4	8.1	4.0
	Lacquers	4.8	1.0	2.9	1.9	2.8	1.7
	Magnesite cement coatings	2.6	2.6 ⁽³⁾	4.0	---	3.9	---
	Mastic texture coatings	1.7	0.43	5.6	4.4	5.4	4.0
	Interior/Exterior	3.2 ⁽²⁾		---	---	---	---
Nonflat coatings	High Gloss	2.8	0.81	6.8	3.2	6.6	2.9
	Medium Gloss	2.8	0.61	7.5	3.0	7.2	2.8
	Low Gloss	3.1	0.43	7.4	3.6	7.1	3.3
	Primers and undercoaters	2.9	0.42	7.6	3.5	7.3	3.2
	Enamels	3.0	0.94	6.5	2.7	6.2	2.5
Quick-dry coatings	Primers, sealers, and undercoat	3.7	0.64	6.7	3.6	6.4	3.3
	Roof coatings	1.8	0.21	8.0	4.1	7.7	3.7
	Rust Preventative	3.3	0.54	7.0	3.2	6.8	2.9
	Sealers	3.3 ⁽²⁾	0.69	2.5	1.6	2.4	1.4
Shellacs	Clear	4.7	4.7 ⁽³⁾	2.2	---	2.1	---
	Opaque	4.2	4.2 ⁽³⁾	4.8	---	4.7	---
Stains	Clear and semitransparent	3.3	0.63	4.0	1.7	3.8	1.5
	Opaque	2.9	0.40	7.2	3.0	6.9	2.7
	Traffic marking coatings	0.7	0.68	11.6	6.9	11.2	6.3
	Varnishes - Clear	3.7	0.96	3.7	1.8	3.5	1.7
	Varnishes - Semitransparent	3.6	0.86	3.8	1.7	3.7	1.5
	Waterproofing sealers and treat	2.9	0.38	4.8	1.7	4.7	1.5