

**A-10 Emissions<sup>1</sup>**

**Criteria Pollutants**

		<i>CO</i>	<i>VOC</i>	<i>NO<sub>x</sub></i>	<i>SO<sub>x</sub></i>	<i>PM</i>
Emissions Lbs/Hour at Intermediate Power		9.52	0.99	9.37	1.52	13.53
Sortie-Ops	8,702.00	82,816.93	8,571.47	81,537.74	13,192.23	117,764.17
Avg Time in MOA (hr)	0.50	41,408.47	4,285.74	40,768.87	6,596.12	58,882.08
Annual Emissions (tons)		20.70	2.14	20.38	3.30	29.44

<b>Baseline Dispersion</b>		<i>CO</i>	<i>VOC</i>	<i>NO<sub>x</sub></i>	<i>SO<sub>x</sub></i>	<i>PM</i>
MOA Sq Miles	736.00					
Altitude Span (Miles)	2.08					
Cubic Miles	1,533.33					
Tons per Cubic Mile		0.01	0.00	0.01	0.00	0.02

<b>Proposed Action Dispersion</b>		<i>CO</i>	<i>VOC</i>	<i>NO<sub>x</sub></i>	<i>SO<sub>x</sub></i>	<i>PM</i>
MOA Sq Miles	736.00					
Altitude Span (Miles)	2.84					
Cubic Miles	2,090.91					
Tons per Cubic Mile		0.01	0.00	0.01	0.00	0.01

<b>Calculated with 5000 feet AGL Mixing Height</b>		<i>CO</i>	<i>VOC</i>	<i>NO<sub>x</sub></i>	<i>SO<sub>x</sub></i>	<i>PM</i>
<i>Baseline</i>						
Sorties Below Mixing Height	0.00					
Avg Time in MOA (hr)	0.50					
Avg. Time below Mixing Height	0.00					
Annual Emissions (tons)		0.00	0.00	0.00	0.00	0.00

<b>Proposed</b>		<i>CO</i>	<i>VOC</i>	<i>NO<sub>x</sub></i>	<i>SO<sub>x</sub></i>	<i>PM</i>
Sorties Below Mixing Height	382.80					
Avg Time in MOA (hr)	0.50					
Avg. Time below Mixing Height	191.40					
Annual Emissions (tons)		0.91	0.09	0.90	0.15	1.30

<sup>1</sup> Source: A-10 Engine Emission Factors using TF34-GE-100, Air Conformity Model Technical Documentation - May 2003

**There are no Sortie-Ops Under 3,000 feet AGL**

Altitude	%	
4,500 to 5,000	0.20	382.80
5,000 to 5,500	0.20	261.00
5,500 to 6,000	0.20	643.80
6,000 to 6,500	0.20	
6,500 to 7,000	0.20	