

APPENDIX A-5

DEFAULT VARIABLES: ABBREVIATIONS, UNITS, AND VALUES

Variable Abbreviation*	Units	Value
<i>U</i>	m/sec	4
<i>F(X)</i>	dimensionless	1.33
<i>V_f</i>	dimensionless	0
<i>k (<=10um)</i>	dimensionless	0.36
<i>k (<=30um)</i>	dimensionless	0.8
<i>s</i>	percent	8
<i>S</i>	km/hr	24
<i>W</i>	tons	15
<i>w</i>	wheels/vehicle	6
<i>N_p</i>	days/year	90
<i>K_p (<=10mm)</i>	dimensionless	0.36
<i>K_p (>= 10mm; <=30mm)</i>	dimensionless	0.73
<i>DH</i>	m	2
<i>M</i>	percent	1
<i>Y_d</i>	m ³	10
<i>F</i>	dimensionless	0.15
<i>a</i>	dimensionless	32.093
<i>b</i>	dimensionless	0.81066
<i>p</i>	dimensionless	68.26
<i>q</i>	dimensionless	0.919
<i>v_a</i>	m/sec	0.03
<i>ρ_b</i>	kg/m ³	1450
<i>t</i>	m	0.01
<i>C_c</i>	g/m ³	0
<i>d</i>	m	0.1524
<i>P_T</i>	dimensionless	0.4
<i>P_a</i>	dimensionless	0.4
<i>T</i>	K	298
<i>R</i>	atm-m ³ /mol-K	8.21E-05
<i>U₁₀</i>	m/sec	5.73
<i>D_{ether}</i>	cm ² /sec	8.56E-06
<i>m_a</i>	gm/cm-sec	0.000181
<i>r_a</i>	g/cm ³	0.0012
<i>RF</i>	1/year	300
<i>K_{ef}</i>	tons/acre	0.3
<i>CM</i>	dimensionless	1
<i>P</i>	dimensionless	1
<i>D</i>	m	100
<i>V_{stream} (2nd order)</i>	L/year	3.40E+11
<i>V_{stream} (5th order)</i>	L/year	3.30E+09
<i>TR</i>	dimensionless	1.00E-05
<i>AT (carcinogens)</i>	years	75

Variable Abbreviation*	Units	Value
<i>EF</i>	days/year	350
<i>IFW_{adj}</i>	L-year/kg-day	1.07
<i>ED</i>	days/year	30
<i>CR (water)</i>	L/day	2
<i>BW (adult)</i>	kg	72
<i>t_{event} (adult)</i>	hours/event	0.25
<i>t_{event} (child)</i>	hours/event	0.33
<i>BW (child)</i>	kg	15
<i>EV</i>	events/day	1
<i>A_{skin} (adult)</i>	cm ²	20000
<i>A_{skin} (child)</i>	cm ²	7900
<i>IFA_{adj}</i>	m ³ -year/kg-day	11.5
<i>ET_{comp} (shower)</i>	days/shower	0.00792
<i>ET_{comp} (bathroom)</i>	days/shower	0.0338
<i>ET_{comp} (house)</i>	days/shower	0.625
<i>VR_{comp} (shower)</i>	m ³ /hour	6
<i>VR_{comp} (bathroom)</i>	m ³ /hour	18
<i>VR_{comp} (house)</i>	m ³ /hour	140
<i>W_{comp} (shower)</i>	L/hour	330
<i>W_{comp} (bathroom)</i>	L/hour	330
<i>W_{comp} (house)</i>	L/hour	8.4
Φ_{Rn}	dimensionless	0.7
<i>C</i>	(m ² /sec) ^{-2/3}	2.00E+06
<i>CR_{fish}</i>	kg/day	0.02
<i>F_c</i>	dimensionless	1
<i>F_{inhal}</i>	percent	0.125
<i>IR</i>	m ³ /day	20
<i>IFS_{adj}</i>	mg-year/kg-day	113
<i>CR_{soil}</i>	mg/day	200
<i>ED (child)</i>	years	6
<i>THQ</i>	dimensionless	0.1
<i>AT (non-carcinogens)</i>	years	30
ρ_{db}	kg/L	1.5
Θ_w	L _{water} /L _{soil}	0.15
Θ_a	L _{air} /L _{soil}	0.28
<i>f_{oc}</i>	g/g	0.006
<i>n</i>	L _{pore} /L _{soil}	0.43
ρ_s	kg/L	2.65

* For names of variables see the Table of Contents