

Table 1. Data for the Handgun Rights-of-Way Scenario Monograph

Study	Employer ID	Worker	HG MU	Monitoring		Age	Years	Employment		Date	City	County	State
				Area	Gender		of	Type					
AHE400	220213A	AD	A28	411	M	68	34	CAE	9/12/2012	Saxton	Bedford	PA	
AHE400	220299	AE	A29	411	M	54	30	CAE	9/12/2012	Adrian	Armstrong	PA	
AHE400	220213B	AF	A30	411	M	49	18	CAE	9/14/2012	Lumberport	Harrison	WV	
AHE400	3109	J	A9	412	M	34	9	CAE	6/21/2011	Dunn	Sampson	NC	
AHE400	140445	U	A19	412	M	48	8	UE	6/26/2012	Palmersville	Weakley	TN	
AHE400	3109	AO	A39	412	M	47	0.75	CAE	9/12/2013	Elizabeth City	Pasquotank	NC	
AHE400	2201	G	A6	413	M	54	3	CAE	6/7/2011	Central Volusia	Volusia	FL	
AHE400	2191	H	A7	413	M	27	7.5	CAE	6/9/2011	De Bary	Volusia	FL	
AHE400	2201	AL	A36	413	M	44	5.5	CAE	7/23/2013	New Smyrna Beach	Volusia	FL	
AHE400	130291	O	A14	414	M	27	6	UE	4/26/2012	Minden	Webster	LA	
AHE400	130699	P	A15	414	M	20	1	UE	5/2/2012	Eunice	Acadia	LA	
AHE400	130198	R	A17	414	M	48	5	UE	5/25/2012	Jena	La Salle	LA	
AHE400	5448	W	A21	415	M	19	0.17	UE	7/24/2012	Buena Vista	Franklin	IN	
AHE400	5558	X	A22	415	M	23	2	CAE	7/26/2012	Richmond	Wayne	IN	
AHE400	5265	AK	A35	415	M	39	5	CA	7/11/2013	Indianapolis	Marion	IN	
AHE400	5130	AB	A26	416	M	45	< 1	CAE	8/22/2012	Marysville	St. Clair	MI	
AHE400	9004	AH	A32	416	M	48	20	CAE	6/19/2013	Battle Lake	Otter Tail	MN	
AHE400	9007	AM	A37	416	M	20	1.5	CAE	7/31/2013	Cosmos	Meeker	MN	
AHE400	4200	D	A3	417	M	58	10	CAE	5/23/2011	Manor	Travis	TX	
AHE400	4309	F	A5	417	M	31	4	CA	5/26/2011	Portland	San Patrichio	TX	
AHE400	1079	S	A18	417	M	25	3	CAE	5/30/2012	Center	Shelby	TX	

Surrogate Chemical	ROW Type	Vehicle Type	Spray While on Vehicle?	Drag Hose?	Total Gallons Applied	Acres Sprayed	AaiH (lb)	Dermal Monitoring Time (min)	Inhalatoin Monitoring Time (min)	Dermal Monitoring Time (hr)
Glyphosate	Trans + Dist	Tractor	No	Yes	485		19.4	407	407	6.8
Glyphosate	Transmission	Pick-Up	No	Yes	580	6.09	15.49	399	399	6.7
Glyphosate	Transmission	Pick-Up	No	Yes	400	3	13.19	398	398	6.6
Fosamine	Distribution	Pick-Up	No	Yes	188		16.17	286	286	4.8
Imazapyr	Distribution	Army Surplus 6 X 6 Truck	Yes	No	700	4.7	1.24	478	413	8
Imazapyr	Transmission	Pick-Up	Yes	Yes	260	6.2	1.21	327	327	5.5
Imazapyr	Transmission	Swamp Buggy	Yes	No	190	40	2.89	506	504	8.4
Glyphosate	Transmission	Pick-Up	No	Yes	86.5	52	3.54	584	584	9.7
Imazapyr	Transmission	Marsh Master	Yes	No	190	9.7	3.09	351	351	5.9
Imazapyr	Fence Line	6 X 6 ATV	Yes	Yes	144	0.36	0.71	423	423	7.1
Glyphosate	Transmission	4 X 4 ATV	Yes	No	671		21.73	382	382	6.4
Glyphosate	Distribution	Tractor	Yes	No	225	3	19.04	312	312	5.2
2,4-D	Distribution	6 X 6 ATV	Yes	Yes	200	1.2	2.51	395	369	6.6
2,4-D	Distribution	Pick-Up	Yes	Yes	685	2.2	7.99	446	446	7.4
2,4-D	Pipeline Terminal	Spreader / Sprayer	Yes	Yes	104.5	1.5	8.87	483	483	8.1
Glyphosate	Roadsides	Large Truck	Yes	No	2900		45.95	623	623	10.4
Fosamine	Distribution	6 X 6 ATV	Yes	Yes	338	6.7	13.49	515	514	8.6
Imazapyr	Distribution	4 X 4 ATV	Yes	Yes	80		0.077	686	685	11.4
Imazapyr	Transmission	Flat Bed Truck	No	Yes	281	3	0.52	359	359	6
Glyphosate	Drainage Ditch	ATV	No	Yes	71	1	6.84	197	197	3.3
Glyphosate	Distribution	Tractor	Yes	Yes	900	17	41.98	413	304	6.9

Inhalation Monitoring	FF Adjusted Residues?	WBD LA (µg)	WBD UA (µg)	WBD FT (µg)	WBD RT (µg)	WBD LL (µg)	WBD UL (µg)	WBD Total (µg)	Socks (µg)	Total Hands (µg)	Face PPE Worn	Face PPE Adjustment Factor
6.8	Yes	535	237	4046	578	7075	152	12623	1745	1886	Protective Eyewear	1.1
6.7	Yes	292	612	437	876	3311	1352	6880	452	921	None	1
6.6	Yes	945	478	1729	716	117	170	4155	83.1	2673	Protective Eyewear	1.1
4.8	Yes	3091	750	3724	3202	59824	28314	98905	6185	2329	Protective Eyewear	1.1
6.9	Yes	83.6	2.4	10336	475	20	2236	13153	1.7	903	None	1
5.5	Yes	210	173	345	67.8	1699	2033	4528	1571	361	Protective Eyewear	1.1
8.4	Yes	128	53.9	43.8	25.2	14	90.7	356	0.77	240	Protective Eyewear	1.1
9.7	Yes	3586	164	998	2452	217	1990	9407	76.1	2020	Protective Eyewear	1.1
5.9	Yes	150	16.2	57.8	395	135	1564	2318	0.94	309	None	1
7.1	Yes	19.3	0.5	22	1.3	2.8	7.3	53.2	6	249	None	1
6.4	Yes	1152	358	755	1463	169	577	4474	9.4	3713	Protective Eyewear	1.1
5.2	Yes	6516	15.7	2277	239	188	1140	10376	1250	3392	None	1
6.2	Yes	14.7	12.5	12.7	683	12.9	79.8	816	0.25	286	Protective Eyewear	1.1
7.4	Yes	18.7	1.7	7.7	3.9	25.2	1813	1870	22.3	21.7	Protective Eyewear	1.1
8.1	Yes	400	17.9	803	78.6	79.3	65	1444	40	330	None	1
10.4	Yes	19.6	38.2	54.4	122	20.4	84.7	339	12.1	357	None	1
8.6	Yes	18.2	5.1	41.8	8.3	486	325	884	0.13	159	None	1
11.4	Yes	5.4	9.7	9	4.7	1.2	13.9	43.9	9	4.1	Protective Eyewear	1.1
6	Yes	16.1	54.6	44.3	22.4	45.4	35.6	218	1.5	137	Protective Eyewear	1.1
3.3	Yes	215	103	115	68.3	24.1	142	667	18.1	304	None	1
5.1	Yes	961	215	2075	1170	104	398	4923	18.8	4473	Protective Eyewear	1.1

PPE-Adjusted Face/Neck (µg)	Rest of Head (µg)	Total Head (µg)	TDE (µg)	nTDE (µg/lb ai)	Total Inhalation Residue (µg)	Pump Flow Rate (L/min)	Assumed Breathing Rate (L/min)	Total Inhalation Exposure (µg/MU)	Normalized Inhalation Exposure (µg/lb ai)
416	254	670	16924	872	80.28	2	16.7	670	34.5
16.9	10.3	27.2	8280	535	8.75	2.05	16.7	71.3	4.6
381	232	613	7524	570	1.37	1.93	16.7	11.9	0.902
780	475	1255	108674	6721	13.45	2.01	16.7	112	6.93
22.2	13.5	35.7	14093	11365	0.499	2.01	16.7	4.15	3.35
36.4	22.2	58.6	6519	5388	0.953	2.02	16.7	7.88	6.51
17.3	10.5	27.8	625	216	0.0623	2.03	16.7	0.513	0.178
79.4	48.4	128	11631	3286	13.63	2.02	16.7	113	31.9
5.7	3.5	9.2	2637	853	0.431	1.99	16.7	3.62	1.17
35.7	21.8	57.5	366	515	0.231	1.93	16.7	2	2.82
285	174	459	8655	398	6.24	1.97	16.7	52.9	2.43
1043	636	1679	16697	877	28.21	2.02	16.7	233	12.2
16.3	9.9	26.2	1128	449	0.696	2.02	16.7	5.75	2.29
1.9	1.2	3.1	1917	240	0.719	2.04	16.7	5.89	0.737
500	305	805	2619	295	9.55	2.04	16.7	78.2	8.82
36	21.9	57.9	766	16.7	7.15	2.02	16.7	59.1	1.29
55.2	33.6	88.8	1132	83.9	0.407	1.85	16.7	3.67	0.272
5.8	3.5	9.3	66.3	861	0.0288	2.01	16.7	0.239	3.1
7.6	4.6	12.2	369	710	0.129	2.01	16.7	1.07	2.06
75.2	45.8	121	1110	162	17.79	2.04	16.7	146	21.3
2701	1646	4347	13762	328	30.97	2.02	16.7	256	6.1