Appendix A

Hazardous Waste Combustor Facilities

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Table A-1. Hazardous Waste Combustor Facilities

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
1	C11	ARD006354161	Dry	Yes	Incinerator	Y				
2	486	ARD069748192	Wet		Incinerator	Y	Y	Y		
2	487	ARD069748192	Wet		Incinerator	Y		Y		
3	333	ILD098642424	Dry		Incinerator	Y	Y	Y		
4	325	KSD981506025			Incinerator	Y	Y			
5	210	KYD088438817	Dry		Incinerator	Y	Y	Y		
5	211	KYD088438817	Dry		Incinerator	Y		Y		
5	212	KYD088438817	Dry		Incinerator	Y		Y		
6	214	LAD010395127			Incinerator	Y	Y			
7	A34	MOD9857988164	Dry		Incinerator	Y				
8	216	NJD053288239			Incinerator	Y				
9	331	OHD048415665	Wet		Incinerator	Y	Y	Y		
10	222	OHD980613541	Dry	Yes	Incinerator	Y		Y		
11	209	SCD981467616		Yes	Incinerator	Y	Y			
12	603	TXD000838896	Wet		Incinerator	Y	Y	Y		
13	609	TXD055141378	Wet		Incinerator	Y	Y	Y		
14	327	UTD981552177	Dry		Incinerator	Y		Y		
15	601	UTD982595795		Yes	Incinerator	Y	Y			
16	324	ALD031499833		Yes	Incinerator	Y	Y			
17	612	ILD098642424	Dry		Incinerator	Y		Y		
18	359	KYD006373922	Dry	Yes	Incinerator	Y	Y	Y		
19	A15	NYD000632372	Wet		Incinerator	Y	Y			
20	C10	TXD982562787		Yes	Incinerator	Y				
21	B60	WID990829475	Wet	Yes	Incinerator	Y				
22	321	ALD983192402			CK	Y	Y			
23	228	ARD981512270	Dry		CK	Y	Y	Y		

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
23	403	ARD981512270	Dry		CK	Y		Y		
23	404	ARD981512270	Dry		CK	Y		Y		
24	300	IND005081542	Dry		CK	Y		Y		
24	491	IND005081542	Dry		CK	Y		Y		
25	304	IND006419212			CK	Y	Y			
26	322	KSD007148034	Dry		CK	Y	Y	Y		
26	323	KSD007148034	Dry		CK	Y		Y		
27	401	KSD031203318			CK	Y	Y			
27	402	KSD031203318			CK	Y				
28	202	KSD980739999			CK	Y	Y			
29	320	MID005379607			CK	Y	Y			
30	303	MO981127319	Dry		CK	Y		Y		
31	204	MOD029729688	Dry		CK	Y	Y	Y		
32	319	MOD054018288	Dry		CK	Y		Y		
33	203	MSD077655876	Dry		CK	Y	Y	Y		
34	302	OHD987048733	Dry		CK	Y	Y	Y		
35	207	PAD002389559	Dry		CK	Y	Y	Y		
35	208	PAD002389559	Dry		CK	Y		Y		
36	305	PAD083965897			CK	Y	Y			
36	335	PAD083965897			CK	Y				
37	200	SCD003351699	Dry		CK	Y	Y	Y		
37	201	SCD003351699	Dry		CK	Y		Y		
37	680	SCD003351699	Dry		CK	Y		Y		
37	681	SCD003351699	Dry		CK	Y		Y		
38	205	SCD003368891	Dry		CK	Y	Y	Y		
38	206	SCD003368891	Dry		CK	Y		Y		
39	318	TXD0007349327			CK	Y	Y	Y		
39	473	TXD0007349327	Dry		CK	Y		Y		

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
40	310	KYD059568220			LWAK	Y	Y			
40	475	KYD059568220			LWAK	Y				
41	225	NCD003152642			LWAK	Y	Y			
42	307	NYD080469935	Dry		LWAK	Y	Y	Y		
42	479	NYD080469935	Dry		LWAK	Y		Y		
43	313	VAD042755082	Dry		LWAK	Y	Y	Y		
43	314	VAD042755082	Dry		LWAK	Y		Y		
44	312	VAD046970521	Dry		LWAK	Y		Y		
44	336	VAD046970521	Dry		LWAK	Y		Y		
44	311	VAD046970521	Dry		LWAK	Y	Y	Y		
45	490	ALD001221902	Wet		Incinerator	Y	Y	Y		
45	705	ALD001221902			Incinerator	Y				
46	B45	CA5210020843			Incinerator	Y				
47	B10	CAD981457302			Incinerator	Y				
48	700	DED003930807	Wet		Incinerator	Y		Y		
49	A56	GAD039046800			Incinerator	Y				
50	B24	ID4890008952			Incinerator	Y				
51	460	ILD065237851	None		Incinerator	Y		Y		
52	806	IND000810861	Wet		Incinerator	Y	Y	Y		
53	A27	KYD006370159			Incinerator	Y				
54	808	LAD008187080	Wet		Incinerator	Y		Y		
55	711	LAD034199802		Yes	Incinerator	Y	Y			
56	480	LAD053783445	Wet		Incinerator	Y		Y		
56	706	LAD053783445	Wet		Incinerator	Y	Y	Y		
57	B58	LAD092681824			Incinerator	Y				
58	454	MDD003071875	Wet		Incinerator	Y		Y		
59	353	MID000724724			Incinerator	Y				
59	354	MID000724724	Wet		Incinerator	Y	Y	Y		

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
60	334	MND006172969		Yes	Incinerator	Y	Y			
61	477	MOD050226075	Wet		Incinerator	Y		Y		
61	478	MOD050226075	Wet		Incinerator	Y		Y		
61	805	MOD050226075	Wet		Incinerator	Y	Y	Y		
62	463	MOD056389828	Wet		Incinerator	Y	Y	Y		
63	712	NYD002014595	None	Yes	Incinerator	Y		Y		
64	825	NYD002080034	Wet		Incinerator	Y		Y		
65	A43	NYD002103216			Incinerator	Y	Y			
66	915	NYD980592497	Wet		Incinerator	Y	Y	Y		
67	B30	OHD004172565			Incinerator	Y				
68	495	OHD004304689	Dry	Yes	Incinerator	Y		Y		
69	464	OHD042157644			Incinerator	Y	Y			
70	B20	OHD980569438			Incinerator	Y	Y			
71	504	PAD049791098			Incinerator	Y	Y			
72	602	SC1890008989			Incinerator	Y				
73	357	TN0890090004	Wet		Incinerator	Y		Y		
74	809	TND003376928	Wet		Incinerator	Y		Y		
74	810	TND003376928	Wet		Incinerator	Y	Y	Y		
75	B33	TND054481205			Incinerator	Y				
76	483	TXD000719286			Incinerator	Y	Y			
77	613	TXD007330202	Wet	Yes	Incinerator	Y		Y		
78	A62	TXD008076853			Incinerator	Y	Y			
79	702	TXD008079212			Incinerator	Y				
79	707	TXD008079212	Wet		Incinerator	Y		Y		
80	338	TXD008081101	Dry		Incinerator	Y		Y		
81	505	TXD008081697		Yes	Incinerator	Y				
81	506	TXD008081697	None	Yes	Incinerator	Y		Y		
82	600	TXD008092793	Wet	Yes	Incinerator	Y	Y	Y		

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
83	A50	TXD058276130			Incinerator	Y	Y			
84	A33	TXD078432457	None		Incinerator	Y				
85	614	TXD982286932	Wet		Incinerator	Y		Y		
86	347	UT5210090002	Wet		Incinerator	Y		Y		
87	455	WVD045875291			Incinerator	Y				
88	B12	AL3210020027			Incinerator	Y				
89	B37	AR0213820707			Incinerator	Y	Y			
90	484	ARD089234884	Wet	Yes	Incinerator	Y	Y	Y		
91	726	CAD009164021			Incinerator	Y				
92	704	CAD044046274		Yes	Incinerator	Y	Y			
93	453	GAD084823301		Yes	Incinerator	Y	Y			
94	351	IA7213820445			Incinerator	Y				
95	727	IA7213820445			Incinerator	Y				
96	906	IAD005273594			Incinerator	Y	Y			
97	B25	IAD981121486			Incinerator	Y				
98	A37	ILD005083316	None		Incinerator	Y				
99	337	ILD006271696		Yes	Incinerator	Y				
100	B39	ILD048296180			Incinerator	Y				
101	C13	ILD3210020803			Incinerator	Y				
102	358	IND006050967			Incinerator	Y				
103	701	IND072040348	Wet		Incinerator	Y	Y	Y		
104	B26	KS0213820467	Dry		Incinerator	Y				
105	229	KSD007482029		Yes	Incinerator	Y				
106	714	LAD008080681	Wet		Incinerator	Y		Y		
107	B57	LAD008194060			Incinerator	Y				
108	604	LAD040776809	Wet		Incinerator	Y	Y	Y		
109	606	LAD057117434		Yes	Incinerator	Y	Y			
110	610	LAD980622104	Wet		Incinerator	Y		Y		

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
110	611	LAD980622104	Wet		Incinerator	Y		Y		
111	B49	MD3210021355			Incinerator	Y				
112	A64	MDD003067121			Incinerator	Y				
113	342	MID000820381	Wet	Yes	Incinerator	Y	Y	Y		
114	503	MO4213820489	Dry		Incinerator	Y		Y		
115	904	MSD033417031	None	Yes	Incinerator	Y	Y	Y		
116	A42	NC2750890004			Incinerator	Y				
117	708	NCD047373766	Wet		Incinerator	Y	Y	Y		
118	341	NCD065655599	Dry		Incinerator	Y		Y		
119	C15	ND4571924758			Incinerator	Y				
120	B15	NED981723513	Dry		Incinerator	Y				
121	725	NJD001707944	Wet		Incinerator	Y	Y	Y		
122	A10	NJD002373579			Incinerator	Y				
123	824	NJD980753875	Wet		Incinerator	Y	Y	Y		
124	B51	NV1210090006		Yes	Incinerator	Y				
125	348	NYD000824482	Missing		Incinerator	Y		Y		
126	A55	NYD002070118		Yes	Incinerator	Y	Y			
127	A53	OHD000810242			Incinerator	Y				
128	A36	OHD004172623			Incinerator	Y				
129	A12	OHD046202602	None		Incinerator	Y				
130	A47	OKD000803601			Incinerator	Y	Y			
131	A61	ORD050955848			Incinerator	Y				
132	607	PAD002387926			Incinerator	Y	Y			
133	A38	PAD003043353			Incinerator	Y				
134	458	PAD069006419			Incinerator	Y				
134	459	PAD069006419			Incinerator	Y				
135	468	PAD980550412	Wet		Incinerator	Y	Y	Y		
136	905	TND007024664	Wet		Incinerator	Y		Y		

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
137	A22	TXD000017756	Wet		Incinerator	Y				
138	A66	TXD000461533	Wet		Incinerator	Y				
139	B14	TXD000751172			Incinerator	Y				
140	B23	TXD008076846			Incinerator	Y	Y			
141	350	TXD008079212		Yes	Incinerator	Y				
142	A60	TXD008079527			Incinerator	Y				
143	C16	TXD008079642			Incinerator	Y				
144	A41	TXD008084618			Incinerator	Y				
145	A28	TXD008090011			Incinerator	Y				
146	B35	TXD008105959			Incinerator	Y				
147	B36	TXD048210645			Incinerator	Y				
148	B32	TXD058260977			Incinerator	Y	Y			
149	A54	TXD067261412			Incinerator	Y				
150	605	TXD067285973			Incinerator	Y	Y			
151	B56	TXD071378822			Incinerator	Y				
152	C12	TXD074180019		Yes	Incinerator	Y				
153	B17	TXD083570051			Incinerator	Y				
154	A45	TXD981911209	Wet		Incinerator	Y	Y			
155	B46	TXD982759706			Incinerator	Y				
156	493	UT3213820894	Wet		Incinerator	Y	Y	Y		
156	494	UT3213820894	Wet		Incinerator	Y		Y		
157	B21	UTD001705029			Incinerator	Y				
158	349	VA1210020730	Dry		Incinerator	Y		Y		
159	A31	VAD003122165		Yes	Incinerator	Y	Y			
160	461	VAD055046049			Incinerator	Y				
161	465	VAD065385296	Wet		Incinerator	Y		Y		
162	457	WID000713594			Incinerator	Y				
163	456	WID006144737			Incinerator	Y				

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
164	784	WID980615439			Incinerator	Y				
165	A46	WVD004325353	Wet		Incinerator	Y	Y			
166	A21	WVD004341491	Wet		Incinerator	Y				
167	340	WVD056866312	Dry	Yes	Incinerator	Y	Y	Y		
168	851	CAD076528678	Wet		HAF				Y	Y
169	853	LAD001890367	Wet		HAF				Y	Y
170	785	LAD003913449	Wet	Yes	HAF				Y	Y
171	2022	LAD008086506	Wet	Yes	HAF				Y	Y
172	855	LAD057117434	Wet	Yes	HAF				Y	Y
173	2005	LAD092681824	Wet	Yes	HAF				Y	Y
174	854	TXD007330202	Wet		HAF				Y	Y
175	786	TXD008092793	Wet		HAF				Y	Y
175	788	TXD008092793	Wet		HAF				Y	
175	842	TXD008092793	Wet	Yes	HAF				Y	
175	844	TXD008092793	Wet	Yes	HAF				Y	
175	845	TXD008092793	Wet	Yes	HAF				Y	
175	848	TXD008092793	Wet	Yes	HAF				Y	
175	2017	TXD008092793	Wet	Yes	HAF				Y	Y
175	2018	TXD008092793	Wet	Yes	HAF				Y	
175	2020	TXD008092793	Wet	Yes	HAF				Y	
176	2014	OHD986983237			Likely Area Source					
176	2015	OHD986983237			Likely Area Source					
206	901	TND982109142	Dry		LB				Y	Y
177	733A	CAD009547050	None		LB				Y	Y
213	759A	TXD008079642	Unknown		LB				Y	Y
215	843B	TXD008092793	None		LB				Y	Y
233	819A	WVD005005509	Dry		LB				Y	Y
177	733	CAD009547050	None		LB				Y	

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
178	729	CTD001159730	None		LB				Y	
179	754	GAD051011609	None		LB				Y	Y
180	776	GAD981237118	Wet		LB				Y	
180	777	GAD981237118	Wet		LB				Y	Y
181	735	IND000807107	None		LB				Y	Y
181	737	IND000807107	None		LB				Y	
181	738	IND000807107	None		LB				Y	
182	764	IND006376362	None		LB				Y	
182	765	IND006376362			LB					
183	2007	KSD007237746	None		LB				Y	Y
184	741	KYD006390017	None		LB				Y	
185	822	LAD000778381	None		LB				Y	
186	2001	LAD008187080	Wet		LB				Y	
186	2002	LAD008187080	Wet		LB				Y	
186	2003	LAD008187080	Wet		LB				Y	
187	812	LAD008213191	Wet		LB				Y	
187	813	LAD008213191	Dry		LB				Y	
187	814	LAD008213191	None		LB				Y	
187	815	LAD008213191	None		LB				Y	Y
188	818	LAD010390599	Dry		LB				Y	Y
189	828	LAD020597597	None		LB				Y	Y
190	834	LAD040776809	None		LB				Y	
190	835	LAD040776809	None		LB				Y	
190	836	LAD040776809	None		LB				Y	
191	753	LAD041581422	None		LB				Y	
192	2000	LAD057117434	None		LB				Y	
193	756	LAD059130831	None		LB				Y	Y
194	769	MDD001890060			LB					

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Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
194	2009	MDD001890060			LB					
194	2010	MDD001890060			LB					
194	2011	MDD001890060			LB					
195	778	NCD042091975	None		LB				Y	
195	1000	NCD042091975	None		LB				Y	
196	780	NJD001317064			LB					
196	781	NJD001317064			LB					
197	766	NYD066832023	None		LB				Y	Y
198	840	OHD004233003	None		LB				Y	
199	911	OHD005108477	None		LB				Y	
199	912	OHD005108477	None		LB				Y	
200	730	OHD039128913	None		LB				Y	
201	820	PAD000606285			LB					
201	821	PAD000606285			LB					
202	739	PAD002292068	None		LB				Y	Y
203	2008	PAD002312791	None		LB				Y	Y
204	763	SCD043384072	Dry		LB				Y	Y
205	2006	SCD980500052	None		LB				Y	
207	1006	TXD000201202	None		LB				Y	Y
208	910	TXD000461533	None		LB				Y	Y
208	2021	TXD000461533	None		LB				Y	
209	232	TXD001700806	None		LB				Y	
210	1005	TXD008076846	None		LB				Y	
211	767	TXD008077190	None		LB				Y	Y
212	746	TXD008079527	None		LB				Y	
214	833	TXD008081697	None		LB				Y	
215	843	TXD008092793	None		LB				Y	
215	849	TXD008092793	Wet		LB				Y	

(continued)

Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
216	724	TXD008106999	Wet		LB				Y	
217	1018	TXD008113441	None		LB				Y	Y
218	759	TXD008123317	Unknown		LB				Y	
218	760	TXD008123317	None		LB				Y	
218	761	TXD008123317	None		LB				Y	
218	2012	TXD008123317	Unknown		LB				Y	
218	2013	TXD008123317	Unknown		LB				Y	Y
218	2016	TXD008123317	Unknown		LB				Y	
219	743	TXD010797389	None		LB				Y	
220	721	TXD026040709	None		LB				Y	Y
221	774	TXD058275769	None		LB				Y	Y
222	740	TXD065096273	None		LB				Y	Y
223	1016	TXD067261412	None		LB				Y	Y
224	744	TXD067285793			LB					
224	745	TXD067285793			LB					
225	720	TXD078432457	None		LB				Y	
226	1002	TXD083472266	None		LB				Y	
226	1003	TXD083472266	None		LB				Y	
226	1004	TXD083472266	None		LB				Y	
227	772	TXD084970169	None		LB				Y	
227	1001	TXD084970169	None		LB				Y	
228	811	TXD086981172	Wet		LB				Y	
229	1015	TXD093565653	None		LB				Y	Y
230	1007	TXD980626014	None		LB				Y	Y
231	1017	TXD980808778	None		LB				Y	Y
232	771	WAD092899574	Dry		LB				Y	
233	819	WVD005005509	Dry		LB				Y	
234	1009	ARD089234884	Dry		SB				Y	Y

(continued)

Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
235	719	TND003376928	Dry		SB				Y	Y
235	1011	TND003376928	Dry		SB				Y	Y
235	1012	TND003376928	Dry		SB				Y	
236	1013	TXD007376700	Dry		SB				Y	Y
236	1014	TXD007376700	Dry		SB				Y	
237	907	WVD005005483			SB					
237	908	WVD005005483	Dry		SB				Y	Y
234	1009A	ARD089234884	Dry		SB				Y	
235	1011A	TND003376928	Dry		SB				Y	
235	1011B	TND003376928	Dry		SB				Y	
235	1012A	TND003376928	Dry		SB				Y	
235	719A	TND003376928	Dry		SB				Y	
175	2017A	TXD008092793	Wet	yes	HAF				Y	
226	1002A	TXD083472266	None		LB				Y	
226	1002B	TXD083472266	None		LB				Y	
210	1005A	TXD008076846	None		LB				Y	
207	1006A	TXD000201202	None		LB				Y	
186	2001A	LAD008187080	Wet		LB				Y	
203	2008A	PAD002312791	None		LB				Y	
218	2012A	TXD008123317	Unknown		LB				Y	
209	232A	TXD001700806	None		LB				Y	
220	721A	TXD026040709	None		LB				Y	
200	730A	OHD039128913	None		LB				Y	
202	739A	PAD002292068	None		LB				Y	
202	739B	PAD002292068	None		LB				Y	
213	761A	TXD008079642	None		LB				Y	
211	767A	TXD008077190	None		LB				Y	
211	767B	TXD008077190	None		LB				Y	

(continued)

Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
211	767C	TXD008077190	None		LB				Y	
211	767D	TXD008077190	None		LB				Y	
227	772A	TXD084970169	None		LB				Y	
221	774A	TXD058275769	None		LB				Y	
221	774B	TXD058275769	None		LB				Y	
238	774C	TXD058275770	None		LB				Y	
228	811A	TXD086981172	Wet		LB				Y	
185	822A	LAD000778381	None		LB				Y	
215	843A	TXD008092793	None		LB				Y	
199	911A	OHD005108477	None		LB				Y	
239	911B	OHD005108478	None		LB				Y	
240	344	TT0570090001	Wet		Incinerator					
240	346	TT0570090001	Wet		Incinerator					
240	470	TT0570090001	Wet		Incinerator					
25	3029	IND006419212	Dry		CK			Y		
39	3030	TXD0007349327	Dry		CK			Y		
27	3031	KSD031203318	Dry		CK			Y		
174	492	TXD007330202	Wet		Incinerator			Y		
243	728	PRD091024786	Wet		Incinerator			Y		
1	3000	ARD006354161	Dry		Incinerator			Y		
171	3001	LAD008086506	Wet		Incinerator			Y		
186	3002	LAD008187080	Wet		Incinerator			Y		
86	3003	UT5210090002	Wet		Incinerator			Y		
86	3004	UT5210090002	Wet		Incinerator			Y		
86	3005	UT5210090002	Wet		Incinerator			Y		
165	3006	WVD004325353	Wet		Incinerator			Y		
166	3007	WVD004341491	Wet		Incinerator			Y		
156	3008	UT3213820894	Dry		Incinerator			Y		

(continued)

Table A-1. (continued)

RTI Site Level ID	EPA Stack ID	EPA Site ID	Wet/Dry Status	WHB?	Category	Old Phase I Universe?	Old Phase I Risk-Modeled?	New Phase I Universe?	Phase II Universe?	New Phase 2 Population Parameter Sampled?
21	3009	WID990829475	Wet	yes	Incinerator			Y		
120	3010	NED981723513	Dry		Incinerator			Y		
7	3011	MOD9857988164	Dry		Incinerator			Y		
104	3012	KS0213820467	Dry		Incinerator			Y		
129	3013	OHD046202602	None		Incinerator			Y		
60	3014	MND006172969	Wet		Incinerator			Y		
7	3015	MOD9857988164	Dry		Incinerator			Y		
66	3016	NYD980592497	Wet		Incinerator			Y		
98	3017	ILD005083316	None		Incinerator			Y		
241	3018	PRD090021056	Wet		Incinerator			Y		
241	3019	PRD090021056	Wet		Incinerator			Y		
999	3020	BLANK ENTRY	Wet		Incinerator			Y		
242	3021	PRD090028101	Wet		Incinerator			Y		
999	3022	BLANK ENTRY	Wet		Incinerator			Y		
137	3024	TXD000017756	Wet		Incinerator			Y		
208	3025	TXD000461533	Wet		Incinerator			Y		
225	3026	TXD078432457	None	yes	Incinerator			Y		
225	3027	TXD078432457	Wet		Incinerator			Y		
154	3028	TXD981911209	Wet		Incinerator			Y		
999	3032	BLANK ENTRY	Dry		Incinerator			Y		
103	3033	IND072040348	Wet		Incinerator			Y		
154	3028A	TXD981911209	Wet		Incinerator			Y		
103	3033A	IND072040348	Wet		Incinerator			Y		
103	3033B	IND072040349	Wet		Incinerator			Y		
34	302A	OHD987048733	Dry		CK			Y		
39	318A	TXD0007349327			CK			Y		
?	467	LAD981524441?	Wet		Incinerator			Y		

Appendix B

Development of Population Parameters

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Appendix B

Development of Population Parameters

B.1 Introduction

This Appendix summarizes the results of methods used to estimate the population size and population spatial distribution around the Phase I and Phase II combustor sites for which population data were either already available or were collected as part of this study. Those sites include the 76 Phase I sites that were evaluated in the original Phase I risk assessment, i.e., the stratified sampled set from the "Old Phase I universe." In addition, 40 sites were evaluated for Phase II sites. These 40 sites were based on an "old Phase II universe," i.e., a Phase II universe of facilities that existed as this population analysis work was being performed. This "old Phase II universe" differs slightly from the current "Phase II universe" as used elsewhere in this document, due to additions and deletions of Phase II facilities from the active EPA list as this work was in progress. These 40 Phase II sites include all the "old Phase II universe" sites, except for sites that are liquid boilers. For liquid boilers, because they were relatively numerous (56), and because collecting and analyzing population data by GIS methods for all liquid boilers was considered resource-prohibitive, a random sample of 29 of these facilities was selected. This number (29) was selected to ensure that the probability of including in the sample a facility in the upper 10th percentile of risk was 90 percent or higher. Hereinafter, it is assumed that the 40 sites from the "old Phase II universe" are statistically representative of the current Phase II universe. "Phase II" as used in this Appendix will be understood to denote the 40 Phase II sites from the "old Phase II universe." "Phase I" will similarly be understood to denote the 76 originally risk-modeled sites from the "old Phase I universe."

The statistical methods are first described followed by a description of the GIS methods used to collect the population data.

In general, the more population is spatially concentrated in proximity to the source, the greater would be the expected risks. For example, if most of the population within 20 km of the source (the exposure area as used in the original Phase I risk assessment) is concentrated within the first "ring" of a polar grid (i.e., within a radius of 2 km from the source, or the first high-impact ring), then that spatial population distribution is more adverse for population risk than, say, if most of the population were at some greater distance. Accordingly, the methodology to be used in comparing GIS-developed population data for any two sets of combustor facilities should reflect this expected condition, i.e., that the more "source-concentrated" one spatial distribution is with respect to another, the greater one could reasonably expect those risks to be relative to the other, all other factors being the same. In addition, comparing the total counts of

population across Phases is relevant, regardless of their spatial distributions. More population within Phase II or New Phase I exposure areas, regardless of within-exposure-area distributions, presents potentially larger population risk.

B.2 Statistical Methods

To introduce the method, assume for the moment that the true population spatial distribution around a given site is approximately uniformly distributed with respect to land area, and that all land area is populated. (Land use does not preclude residential use.) Under these assumptions, because the land area increases as the square of distance from the source (just as the area of a circle increases as $\pi \times r^2$ where r is the radius), then the population would be expected to increase approximately as the square of the distance from the source. To model this relationship, a power function would be appropriately used as the basis of a regression model. For a given site *i*, that function is

$$P_{ij} = \alpha_i D_{ij}^{\beta_i} \qquad \text{(B-1)}$$

where

P_{ij}	=	the population at site *i* and distance *j* from the source
D_{ij}	=	the radial distance from the source to ring *j* at site *i*
α_i	=	regression parameter to be estimated separately for each site *i*
β_i	=	regression parameter to be estimated separately for each site *i*.

Specific definitions of the P_{ij} are provided later. The regressions would be run across ring distances *j* for each site in each phase. Estimating the parameters of this function for Phase I sites would characterize the spatial distribution of population for Old Phase I sites. Similarly, the Phase II regression model would characterize the Phase II population spatial distribution. Returning to the simplifying assumption of uniform population density in all surrounding land area,[1] as illustrated in Figure B-1, if population were in fact perfectly uniformly distributed with land area around the source at, say, a population density of 100 people per square kilometer, then the α_i parameter would be 3.1416×100 = 314.16 and the β_i parameter would be 2.0, with a regression R^2 of approximately 1.0.

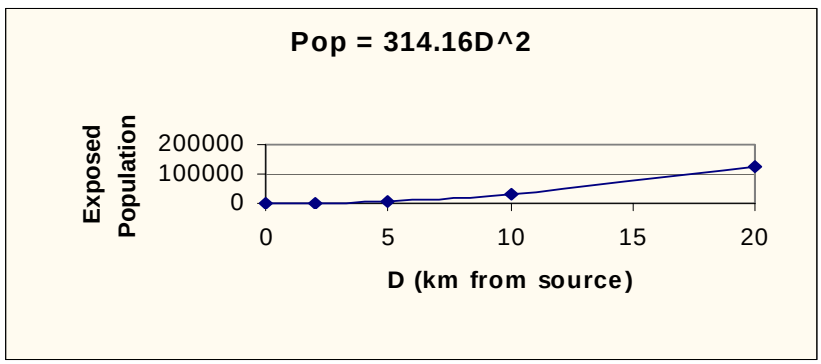

Figure B-1. Population by distance assuming uniform population density.

[1]It should be noted that the proposed regression model is not contingent on the assumption of uniform within-exposure-area population density or having all land area available for habitation. These are simplifying assumptions for the example. The correct interpretation of parameter β does, however, require that cumulative population generally increases with distance. Any violations of this assumption among the Phase I or II sites would be expected to be minimal, and as a result of unusual land use zoning.

It can be shown[2] that the β_i parameter can be interpreted as a sensitivity coefficient at site *i*. Specifically, the value of β_i is the percentage change in the dependent variable (population) that would result from a small (unit) change in the independent variable (distance). The value of β_i denotes the shape of the population spatial distribution. A value of β_i approaching 1.0, for example, would imply that the population increases linearly with distance from the source. Given that land area (at least total land area) is increasing as the square of distance from the source, a value of $\beta_i = 1$ would therefore imply that the population density is "source-loaded", i.e., more dense close to the source than farther away, a risk-unfavorable situation. Alternatively, a value of β_i approaching 2 would imply a uniform population density within the exposure area. Finally, a value greater than 2 would imply that population density is increasing as one moves away from the source, a risk-favorable situation. Suppose, for example, that the Phase I and Phase II regressions resulted in similar average values of α, i.e., equivalent total exposed population,[3] but the two average βs were statistically different and the average Phase II β was lower than Phase I. As explained above, this implies that the Phase II population is more dense, on average, in proximity to the source, and would bode unfavorably for Phase II risks vis a vis Phase I. The converse is also true.

In summary, given the physical interpretation of its parameters, the power function model regression approach would seem to be a very useful basis for comparing population spatial distributions between two sets of facilities, i.e., the β_i and α_i parameters can be compared individually between the two sets. A statistically significant Phase II average β > Phase I average β reflects a decreasing population density nearer the source relative to Phase I, again a risk-favorable situation for Phase II. The converse is also true. A statistically significant Phase II average α < Phase I average α reflects a lower total population count for Phase II, also a risk-favorable situation for Phase II.

With this general description of the power function-based regression model strategy as background, let us now enhance the model to incorporate prevailing wind direction. (Prevailing wind direction may affect risks as much, or more, than simply proximity of populations to the source.)

Let P_{ij} now denote the *wind-exposed* population counts for site *i* and distance *j*, where *i* = 1,2,...,*n* and *j* = 1,2,3,4, corresponding to rings with the 2, 5, 10, and 20 km radii, respectively. The counts are determined as

$$P_{ij} = \sum_{k=1}^{4} p_{ijk} w_{ik} \qquad \text{(B-2)}$$

[2]The derivative of population with respect to distance is $dP/dD = \alpha \beta D^{\beta-1}$. The marginal change in population resulting from a marginal change in distance is $(dP/P)/(dD/D) = (dP/dD)(D/P) = \alpha\beta D^{\beta-1} (D/P) = \alpha\beta D^{\beta-1} (D/\alpha D^{\beta}) = \beta$.

[3]α_i is in fact the total population count per unit of $Dij^{\beta i}$. For $\beta i = 1$, this is the total population density per km of radial distance from the source. The important point is that αi is a measure of total population across a site while β_i reflects the spatial distribution of that population.

where

p_{ijk} = the population count for sector *k* and ring *j* for site *i*

w_{ik} = the relative proportion of time that the wind blows into sector *k* at site *i*.

Therefore, Pij is readily seen to be the wind-direction-weighted population count for site *i* and distance *j*.

Building on Equation B-1, the relationship between P_{ij} and the radial distance D_{ij} is assumed to be given by

$$P_{ij} = \alpha_i D_{ij}^{\beta_i} \exp[\epsilon_{ij}] \qquad \text{(B-3)}$$

where

α_i = site-specific parameter

β_i = site-specific parameter

ε_{ij} = error term.

On the natural log (base e) scale, this model can be written as

$$\ln[P_{ij}] = \gamma_i + \beta_i L_{ij} + \epsilon_{ij} \qquad \text{(B-4)}$$

where

γ_i = ln [α_i]

L_{ij} = ln [D_{ij}].

This log-scale model can be re-expressed in terms of overall average parameters C and B (intercept and slope, respectively) and parameters γ_i* (site-specific deviations from the overall intercept) and β_i* (site-specific deviations from the overall slope), as given below:

$$\ln\ [P_{ij}] = (C + \gamma_i^*) + (B + \beta_i^*)L_{ij} + \epsilon_{ij} \qquad \text{(B-5)}$$

The model in this form (Equation B-5) is a linear "mixed-effects" model. The general philosophy of the mixed effects method is that the parameters of the model are not regarded as constant (fixed) values to be estimated across sites, but rather are viewed as having fixed components (C and B in Equation B-5) that characterize the average across sites and random components (γ_i* and β_i* in Equation B-5) that reflect the site-to-site variation. A mixed effects regression analysis produces estimates of the fixed effects parameters and the variances and covariances of the random components. If the mixed effects model is applied separately to the Phase I data and some other data set for comparison (e.g., Phase II data), then a comparison of the estimated mean population parameter estimates can be made between the two data sets. In addition, the random effects components allow comparisons of estimated tail percentiles (e.g., 90th percentile) of these population parameters to be made, which is important because high-end risks would be more sensitive to values of these parameters in the tails than at the mean.

B.3 Regression Results

At each site, seven subpopulations were defined:

- Children 0-5 years old
- Adults ≥21 years old
- Adults ≥ 30 years old
- Adults ≥ 65 years old
- All individuals
- Children (0-5 years old) of farmers
- All farm residents.

For each subpopulation, a set of exposed population counts (Equation B-2) was computed. The linear mixed model (Equation B-5) was then fit to each of these seven data sets, separately for Phase I and Phase II sites, using the SAS PROC MIXED software.

The overall (across-sites) population estimates of the average intercepts and average slopes for the Phase I and Phase II sites obtained from the mixed models for each of the seven subpopulations are provided in Table B-1. All parameters results are reported on the log-scale, as shown in Equation B-5. The estimated individual Phase I and Phase II site-specific intercepts and slopes (random effects) are provided in Tables B-2 and B-3. The differences among the site-specific estimates and those between these estimates and the overall, fixed effects population estimates reflect the mixed model estimates of the within-population variances and covariances in the regression coefficients.

For a given population type, neither the overall intercept values nor the slopes were significantly different for Phase I vs. Phase II (Table B-1). The farmer subpopulations were the only subpopulations that had slope estimates that were significantly different from 2.0. Thus it appears that while most types of subpopulation are uniformly distributed about their respective combustor sites, the farmer subpopulation densities are higher at greater distances from the combustor sites. However, comparison of Phase I and II plots of the cumulative distribution functions (CDFs) of the random effect intercepts and slopes (Figures B-2 and B-3) suggested some differences in the distribution of the random effect slopes and intercepts (γ_i* and β_i*) of the individual sites (Tables B-2 and B-3). Except for the farmer subpopulations, the intercepts of the Phase I sites tended to be smaller than those of the Phase II sites[4] while the slopes were nearly the same. This is consistent with similar spatial patterns but higher population densities at Phase II sites compared to Phase I sites.[5]

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[4]Relative to the notation used in Equation B-1, note that exp(C) represents an average α_i for the data set and B is identically an average β_i for the data set.

[5]It should be noted, however, that the Phase II site populations are based on the year 2000 Census, as discussed in Description of GIS Activities, while the Phase I site populations (which were taken from the previous Phase I risk assessment) are based on the 1990 Census. For the farmer subpopulation, the intercepts were larger while the slopes were smaller for the Phase I sites compared to the Phase II sites. While an inverse relation between the intercept and slope is to be expected given the form of Equation B-1, this is consistent with the farm population distributions being shifted toward greater distances at Phase II sites compared to Phase I sites.

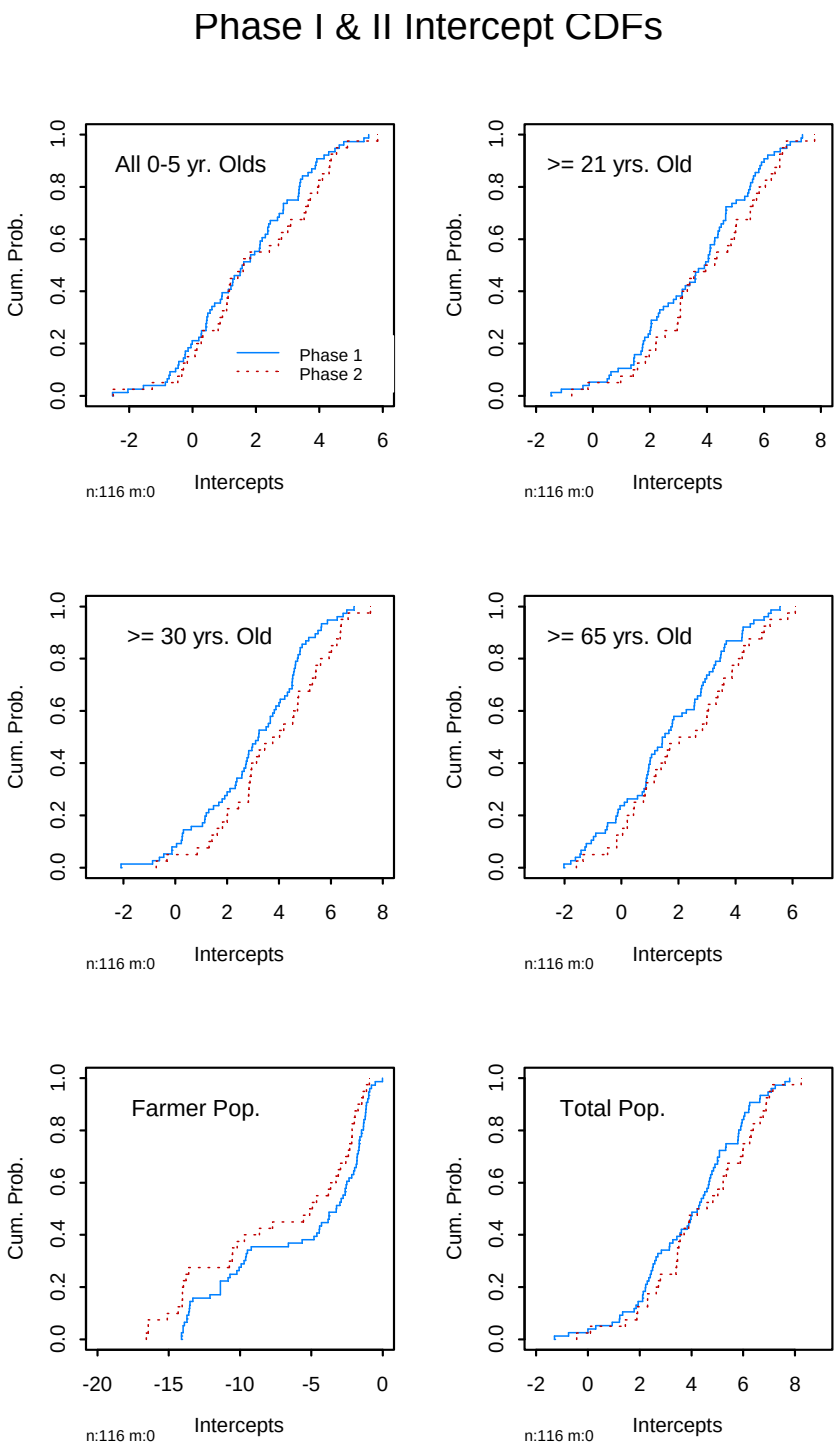

Figure B-2. All vs. All Alphas.

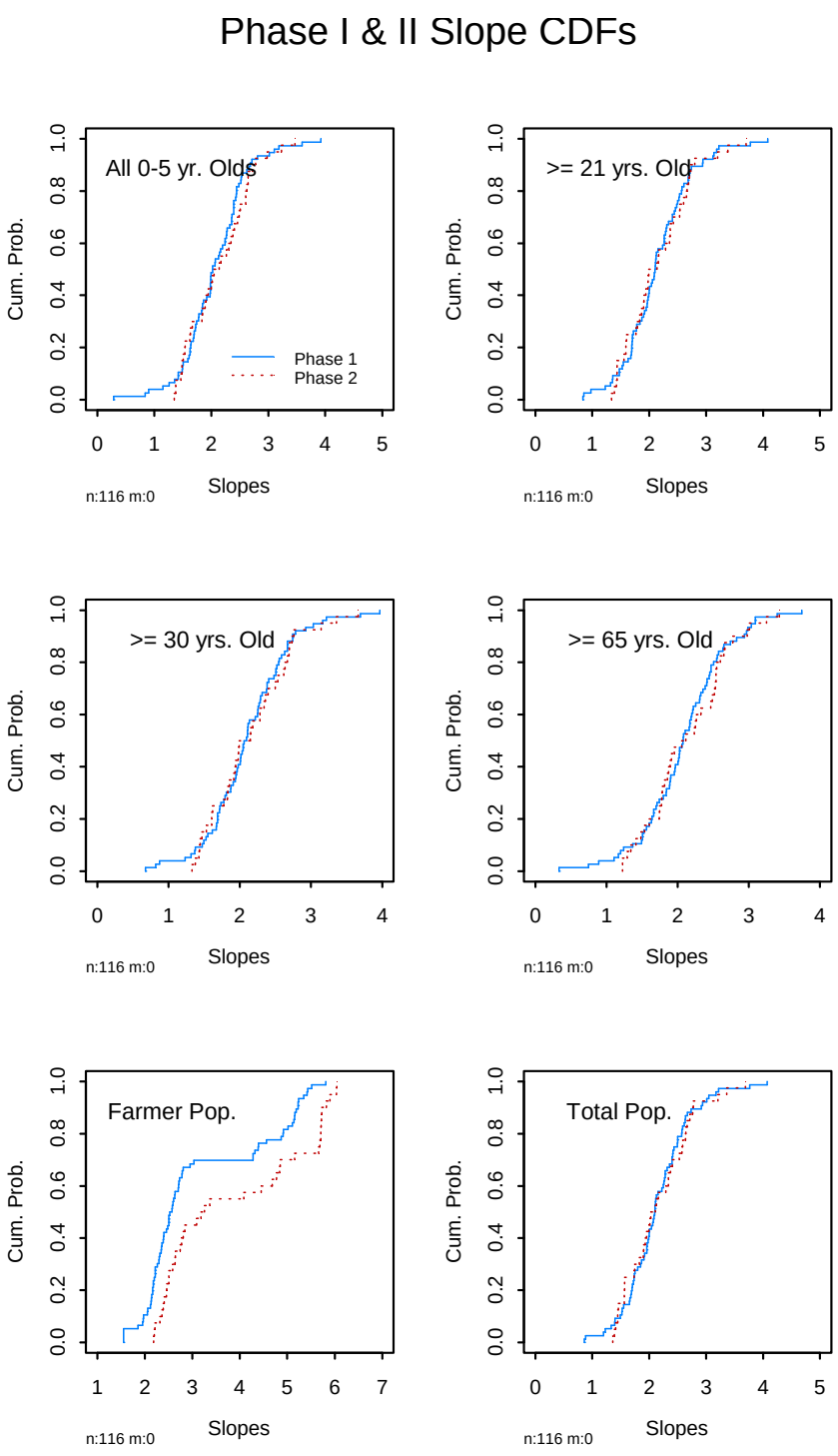

Figure B-3. All vs. All Betas.

Using the estimated values of the fixed and random effects, and estimates of the variances and covariances of the random effects, for each of the models, we generated 1,000 "random sites" for each of the 12 subpopulations. (Note: Although overall population estimates were obtained for the 0–5 year old farm children, we did not consider the estimates to be reliable enough to generate random population members.) For each site, the estimated cumulative exposed population sizes at distances of 1, 2, 3,.., 20 km from the combustor were generated. We then determined the 900th largest cumulative population value at each distance. These are the estimates of the 90th percentile of cumulative population size for each subpopulation. Finally, we used a distribution-free method (see discussion of estimating interval estimates for population percentiles in Section 4.2.4) to obtain 95 percent confidence intervals for each 90th percentile estimate and plotted the 90th percentiles and their confidence intervals vs. distance to compare spatial population distributions at the Phase I and Phase II sites.

The distribution of back-transformed (from the log-scale) values of the 90th percentile of the cumulative Phase I and Phase II exposed population totals at distances $\leq$ 20 km from the combustor site are plotted for each subpopulation in Figures B-4 through B-9. These results are for all (i.e., not subcategory-specific but pooled across subcategories for each Phase) combustor subcategories for Phase I and Phase II. At distances greater than 15 km from the combustors, the cumulative exposed population sizes were slightly larger for the Phase I combustors than for the Phase II combustors. This difference was most pronounced in the younger age groups. The population density of the farmer population at the Phase I sites was significantly greater than the farmer population at the Phase II sites, with the magnitude of the difference increasing with distance from the combustor. Thus, the simulation results consistently indicate that, when comparing the sites with highest population densities (i.e., the 90th percentiles), the Phase II sites have smaller exposed populations than the Phase I sites, especially at distances greater than 15 km from the combustor site. At distances < 15 km from the combustors, there was very little difference in the population distributions and densities.

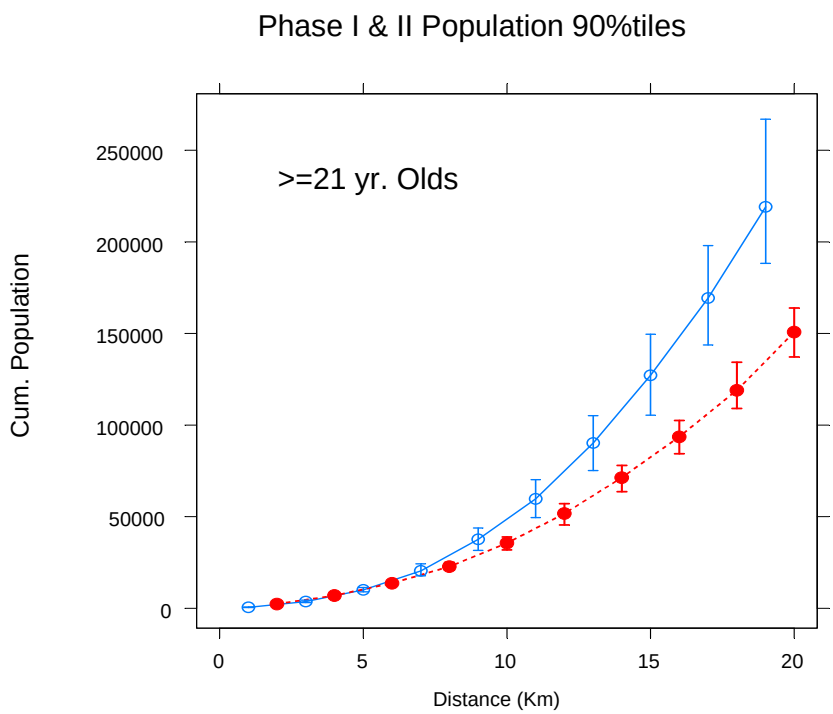

Figure B-4. Cumulative population for ≥ 21 year olds.

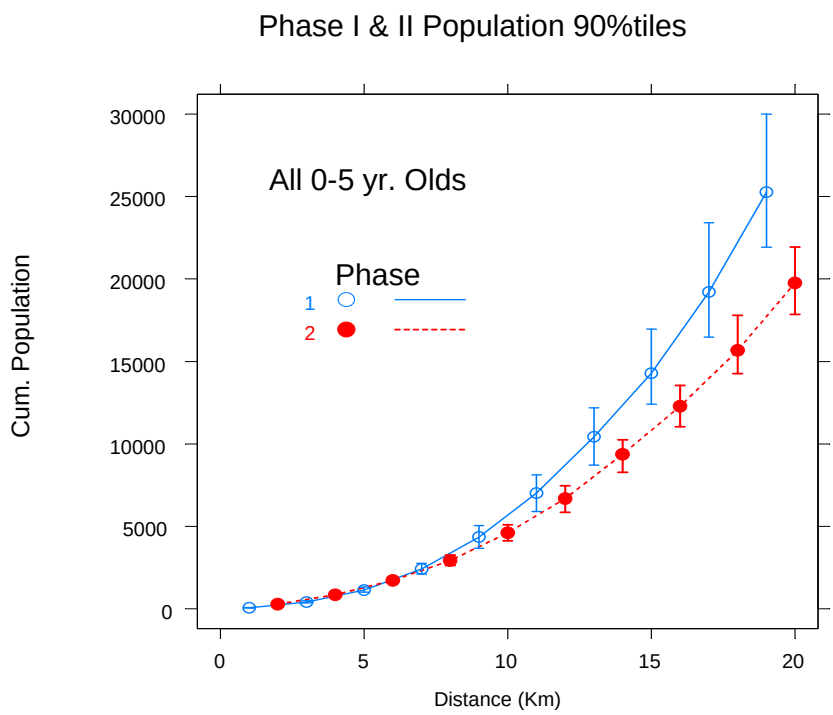

Figure B-5. Cumulative population for all 0-5 year olds.

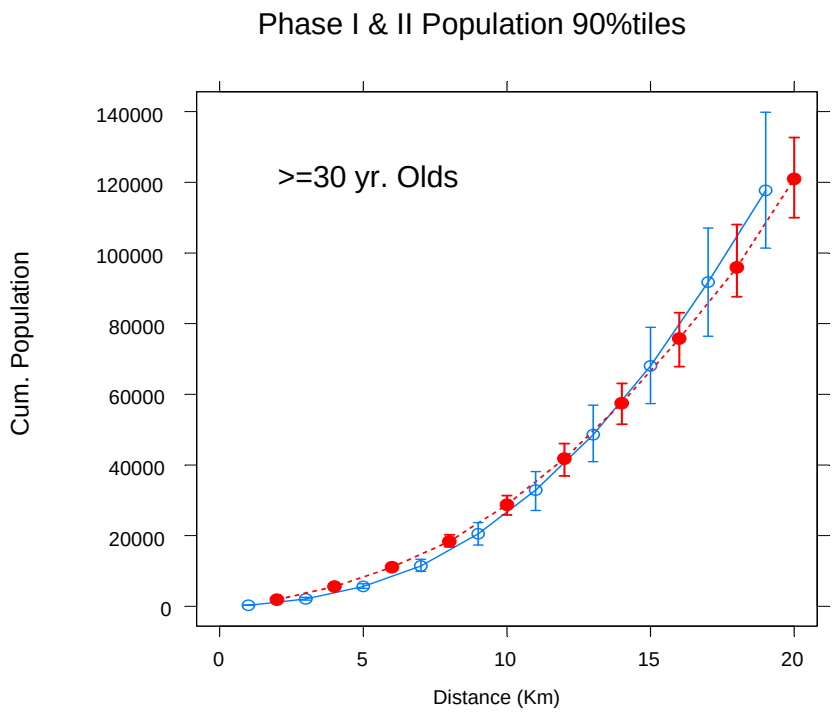

Figure B-6. Cumulative population for ≥ 30 year olds.

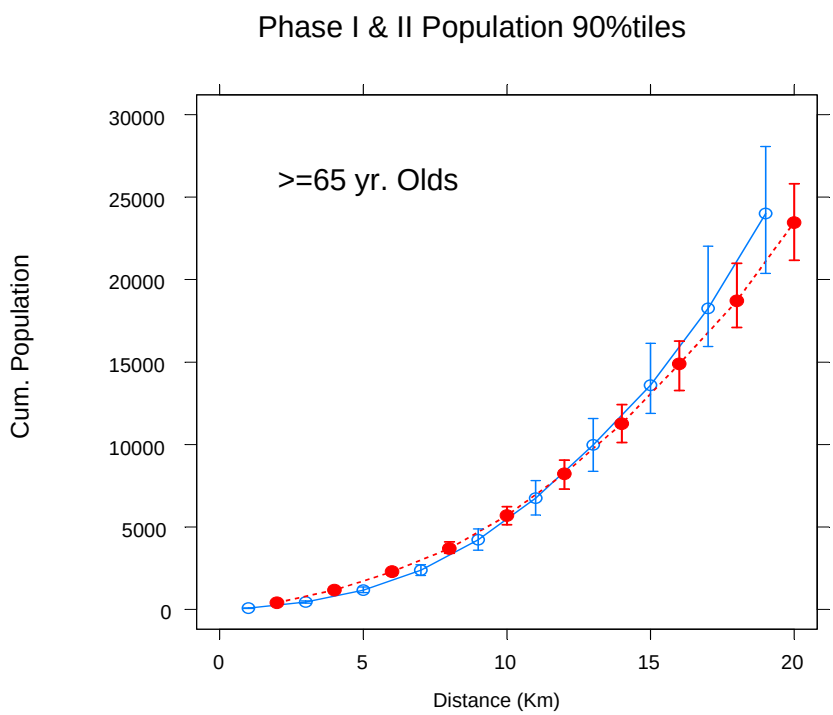

Figure B-7. Cumulative population for ≥ 65 year olds.

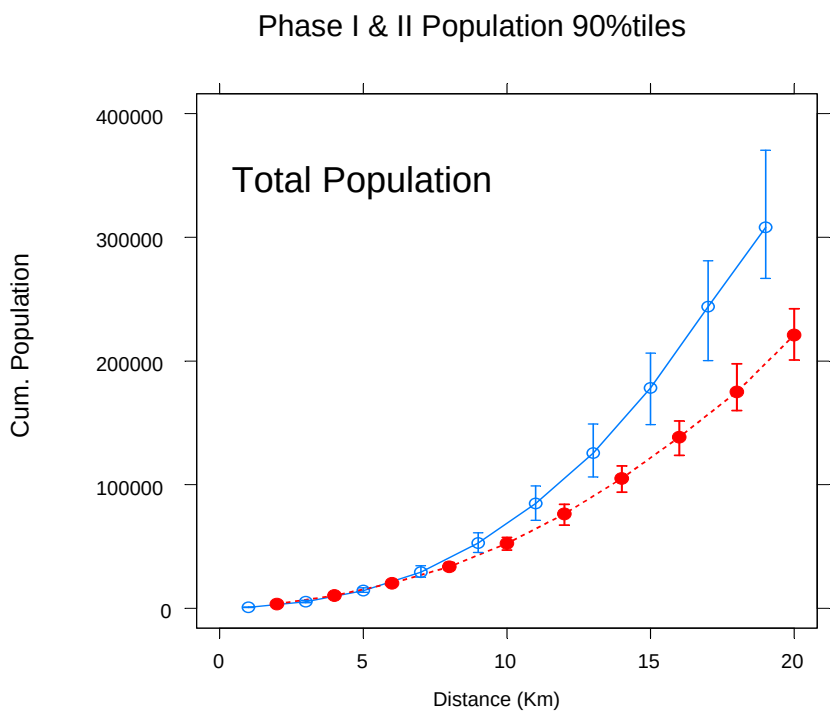

Figure B-8. Cumulative population for total population.

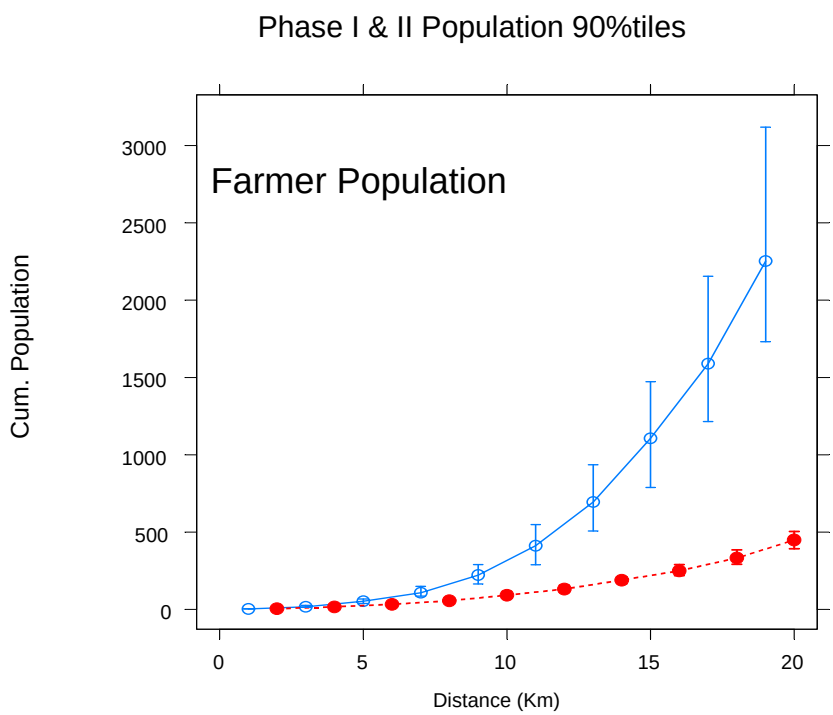

Figure B-9. Cumulative population for farmers.

Table B-1. Summary of Overall (Across-site) Phase I and Phase II Population Regression Parameters

		Phase I	**Phase II**
Population	Parameter	Estimate(95% CI)	Estimate(95% CI)
0-5yrs	Intercept	1.68 (1.23, 2.13)	1.98 (1.32, 2.65)
	Slope	2.07 (1.91, 2.23)	2.13 (1.92, 2.34)
21+yrs	Intercept	3.58 (3.08, 4.08)	4.02 (3.33, 4.70)
	Slope	2.14 (1.98, 2.31)	2.16 (1.94, 2.37)
30+yrs	Intercept	3.07 (2.58, 3.56)	3.83 (3.15, 4.51)
	Slope	2.12 (1.96, 2.28)	2.15 (1.94, 2.36)
65+yrs	Intercept	1.66 (1.18, 2.14)	2.27 (1.59, 2.95)
	Slope	2.09 (1.92, 2.25)	2.14 (1.93, 2.35)
Total_pop	Intercept	3.96 (3.47, 4.46)	4.41 (3.72, 5.09)
	Slope	2.14 (1.98, 2.30)	2.15 (1.94, 2.36)
Farm_0-5yrs	Intercept	-11.00 (-12.19, -9.82)	-12.58 (-14.10, -11.06)
	Slope	3.10 (2.69, 3.51)	3.43 (2.96, 3.90)
Total_farmer	Intercept	-7.80 (-9.68, -5.92)	-9.63 (-12.52, -6.75)
	Slope	3.77 (3.14, 4.39)	4.66 (3.73, 5.60)

Table B-2. Phase I Site-Specific Intercept and Slope Estimates (All Age Groups Combined)

SITE_ID	ALPHA	BETA
ALD001221902	2.22273	1.84790
ALD031499833	6.95948	1.67582
ALD983192402	5.79267	0.86368
AR0213820707	1.34121	2.91623
ARD069748192	4.78934	1.70232
ARD089234884	2.23117	2.24766
ARD981512270	2.44879	1.73351
CAD044046274	6.65545	2.43657
GAD084823301	6.21663	1.99298
IAD005273594	1.95006	2.50099
ILD098642424	4.74605	2.73277
IND000810861	6.02136	1.79755
IND006419212	4.31338	1.75062
IND072040348	1.78651	2.41327
KSD007148034	3.89293	1.39482
KSD031203318	5.89241	0.88225
KSD980739999	2.51972	2.41828
KSD981506025	1.21766	2.61441
KYD006373922	4.27986	1.51766
KYD059568220	4.68626	2.21904
KYD088438817	3.97968	1.65225
LAD010395127	3.56394	2.49551
LAD034199802	1.86464	3.17271
LAD040776809	2.11631	2.56912
LAD053783445	2.29738	2.57585
LAD057117434	2.35630	2.62997
MID000724724	6.24215	1.40097
MID000820381	4.90667	2.11420
MID005379607	5.01185	1.22891
MND006172969	3.14957	2.67190
MOD029729688	2.11536	1.95979
MOD050226075	1.23843	3.00913
MOD056389828	5.81076	2.10924

(continued)

Table B-2. (continued)

SITE_ID	ALPHA	BETA
MSD033417031	5.32599	1.66293
MSD077655876	2.13456	2.06033
NCD003152642	2.58033	2.26754
NCD047373766	4.60196	1.86680
NJD001707944	7.07656	2.31529
NJD980753875	4.22202	2.93810
NYD000632372	4.37981	2.35646
NYD002070118	3.60834	2.58528
NYD002103216	6.22255	1.68917
NYD080469935	7.23461	1.52280
NYD980592497	7.61469	1.55275
OHD042157644	5.80513	1.72377
OHD048415665	4.01693	2.49761
OHD980569438	7.79233	1.73778
OHD987048733	3.28138	1.90662
OKD000803601	5.32077	1.49045
PAD002387926	5.93212	2.08306
PAD002389559	4.85473	2.27964
PAD049791098	5.82382	2.63623
PAD083965897	4.70946	2.00865
PAD980550412	6.05900	2.28203
SCD003351699	2.49368	2.09987
SCD003368891	2.70966	2.07451
SCD981467616	4.46175	2.12665
TND003376928	6.63348	1.33304
TXD000719286	5.00770	2.10244
TXD0007349327	3.83637	1.96319
TXD000838896	0.00205	3.21540
TXD008076846	5.95257	1.70441
TXD008076853	3.96307	2.15617
TXD008092793	4.51478	1.97915
TXD055141378	0.30303	4.07188
TXD058260977	4.65348	2.09330
TXD058276130	0.94695	3.76437

(continued)

Table B-2. (continued)

SITE_ID	ALPHA	BETA
TXD067285973	5.08140	2.40246
TXD981911209	5.08140	2.40246
UT3213820894	-0.73933	3.04990
UTD982595795	-1.28186	1.19425
VAD003122165	3.44355	1.92142
VAD042755082	2.41354	1.95981
VAD046970521	3.16543	2.26020
WVD004325353	2.63237	2.00019
WVD056866312	2.84094	2.03723

Table B-3. Phase 2 Site-specific Intercept and Slope Estimates (All Age Groups Combined)

SITE_ID	ALPHA	BETA
ARD089234884	2.30730	2.29357
CAD009547050	7.13635	1.56181
CAD076528678	6.76184	1.56235
GAD051011609	4.82309	2.10347
GAD981237118	3.51079	2.58757
IND000807107	5.97698	2.15848
KSD007237746	3.40349	2.64332
LAD001890367	5.99915	1.40799
LAD003913449	2.30721	2.66329
LAD008086506	6.86867	1.35944
LAD008213191	1.91719	2.76463
LAD010390599	5.22280	1.38941
LAD020597597	3.46443	1.92951
LAD057117434	3.42676	2.33560
LAD059130831	3.56192	2.33677
LAD092681824	2.64979	2.52614
NYD066832023	3.92350	2.40396
PAD002292068	6.88877	1.82770
PAD002312791	8.23446	1.73045
SCD043384072	5.89042	1.44547
TND003376928	7.01088	1.45737
TND982109142	3.46147	2.12599
TXD000201202	6.37948	1.56617
TXD000461533	6.24284	1.57077
TXD007330202	2.79505	2.57745
TXD007376700	-0.42745	3.20867
TXD008077190	1.89252	2.71245
TXD008079642	4.21682	2.01401
TXD008092793	6.30058	1.74198
TXD008113441	3.72172	1.99614
TXD008123317	4.59068	1.90366
TXD026040709	0.10188	2.77606
TXD058275769	3.90175	2.63775

(continued)

Table B-3. (continued)

SITE_ID	ALPHA	BETA
TXD065096273	1.45059	3.68746
TXD067261412	5.01822	2.02626
TXD093565653	5.40608	2.37371
TXD980626014	5.22526	1.95173
TXD980808778	2.72697	3.35777
WVD005005483	6.64443	1.44930
WVD005005509	5.34382	1.89522

B.4 Description of Geographic Information System (GIS) Activities

Five data sources were used to provide the spatially distributed population input to the regression model for the Phase II sites.[6] The five data sources were the following: the U.S. Census of the Agriculture 1997 farm count data; the 2000 U.S. Decennial Census block group boundaries, county boundaries, and Summary File 3 (SF3) demographic data summarized at the block group level; and the coordinates of the combustor sites. Each of the data sets was manipulated individually and then combined with GIS overlay processes to produce the final table of estimated populations for each sector for each site. Each site was broken into a polar grid of 16 sectors as in the original Phase I analyses. The processing was done in a National Albers (meters) projection (North American Datum, 1983).

The subpopulations that were estimated for each site-sector were the seven subpopulations previously listed. (Note: all ages refer to a resident's age in spring 2000 when the Census was taken.)

B.5 Preparing the Data Sets

The data sets were prepared as follows:

- **1997 U.S. Census of Agriculture.** These data were obtained from a Census of Agriculture CD distributed by the U.S. Department of Agriculture. This information was used to calculate the proportion of dairy farms to all farms in a county to help estimate the number of 0–5 year old children of dairy farmers. Using the extraction software included with the CD, we extracted a file for each state containing the total count of farms in each county and the total number of dairy (milk cows) farms in each county. All of the text files were then loaded into

[6]Preparation of the population data for Phase I sources is discussed in Section 4.4 of the 1999 risk assessment background document (RTI, 1999).

MS Access tables and combined into a single MS Access table for the entire nation. This table was then exported to a dBase file and integrated with the U.S. Census County Boundary file.

- **2000 U.S. Decennial Census County Boundaries.** These boundaries (slightly generalized by the U.S. Census from the raw TIGER data) were obtained directly from the U.S. Census Web site in the form of an ESRI shapefile. The few differences in county boundaries and FIPS codes (e.g. Miami-Dade County) between this data set and the 1990 U.S. Census County boundaries were not near any of the sites and did not affect the results. These boundaries were used to give a spatial representation of the county level farm count data. The Census of the Agriculture farm counts were integrated with the county boundaries by State-County FIPS code.

- **2000 U.S. Decennial Census SF3 Block Group Level Demographics.** The data were obtained directly from the U.S. Census Web site as compressed text files (.uf3 files) aggregated by state and SF3 table groups. Using an MS Access template provided by the U.S. Census on the same Web site, selected SF3 tables for each state were imported into an MS Access table. An MS Access query was then used to select just the data at the block group level. A second query then selected just the desired population fields from the results of the first query. Lastly, a third query aggregated some of the population data into the following categories that were needed by the regression model (the items in parentheses are the U.S. Census field name for the associated data):

  – 0-5 year old residents equaled the sum of male 0-1 year olds (P008003), male 1 year olds (P008004), male 2 year olds (P008005), male 3 year olds, (P008006), male 4 year olds (P008007), male 5 year olds (P008008), female 0-1 year olds (P008042), female 1 year olds (P008043), female 2 year olds (P008044), female 3 year olds (P008045), female 4 year olds (P008046), and female 5 year olds (P008047).

  – 8-12 year old residents equaled the sum of male 8 year olds (P008011), male 9 year olds (P008012), male 10 year olds (P008013), male 11 year olds, (P008014), male 12 year olds (P008015), female 8 year olds (P008050), female 9 year olds (P008051), female 10 year olds (P008052), female 11 year olds (P008053), and female 12 year olds (P008054).

  – 20 (i.e. 21+) year old residents equaled the sum of male 21 year olds (P008024), male 22-24 year olds (P008025), male 25-29 year olds (P008026), female 21 year olds (P008063), female 22-24 year olds (P008064), female 25-29 year olds (P008065), and 30+ year old residents.

  – 30+ year old residents equaled the sum of male 30-34 year olds (P008027), male 35-39 year olds (P008028), male 40-44 year olds (P008029), male 45-49 year olds (P008030), male 50-54 year olds (P008031), male 55-60 year olds (P008032), male 60-61 year olds

(P008033), male 62-64 year olds (P008034), female 30-34 year olds (P008066), female 35-39 year olds (P008067), female 40-44 year olds (P008068), female 45-49 year olds (P008069), female 50-54 year olds (P008070), female 55-60 year olds (P008071), female 60-61 year olds (P008072), female 62-64 year olds (P008073), and 65+ year old residents.

– 65+ year old residents equaled the sum of male 65-66 year olds (P008035), male 67-69 year olds (P008036), male 70-74 year olds (P008037), male 75-79 year olds (P008038), male 80-84 year olds (P008039), male 85+ year olds (P008040), female 65-66 year olds (P008074), female 67-69 year olds (P008075), female 70-74 year olds (P008076), female 75-79 year olds (P008077), female 80-84 year olds (P008078), and female 85+ year olds (P008079).

– Total population of residents (all ages) equaled total population (P008001).

– Total farm population residents equaled the Rural: Farm population (P005006). The results of the last query were saved to a table for each state and merged together into one large table for all of the states within MS Access. The table was then exported into a dBase file and joined with the Block Group Boundaries Layer on State-County-Track-Block Group Identifier.

- **2000 U.S. Decennial Census Block Group Boundaries.** The block group boundaries were obtained from the U.S. Census Web site as ArcInfo-format GIS files aggregated by state. The individual state layers were then merged into a nationwide GIS layer of block group boundaries within ArcMap. These boundaries were used to give a spatial representation to the block group level SF3 population data for use in GIS overlay operations. Since this is a large data set, we reselected just the boundaries for states that had sites within them or were within 20 km of a site to reduce the size of data that we were working with.

  In ArcMap we joined the block group level SF3 data for these states to the boundaries to use in our GIS overlay with the site sector areas. We also calculated the total area (square meters) for each block group to use in processing correct area proportions after the GIS overlay as some block groups are composed of multiple polygons each with their own area. We assumed, as in the Phase I of the Analyses, that any SF3 population data were distributed equally across each block group. We also ignored any waterbodies smaller than a block group that may have occurred within a block group when calculating the area to spread the population data over the block group.

- **Combustor sites (Site Point Layer).** The locations (latitude and longitude coordinates) of the combustor sites were provided in an MS Excel spread sheet. We converted the coordinates into a point layer within ArcMap. We then made

simple maps of each point on top of U.S. Geological Survey (USGS) DRG and DOQ background data to make sure that the coordinates looked to be reasonable.[7]

The site point layer was then projected into a U.S. National Albers projection (NAD 1983) to match the projections of the County and Block Group Layers. Each site's *x*, *y* coordinates were then calculated for the new projection and saved in a field in the point layer. An AML program was written to generate a polar grid of 16 sectors around each site, as in the Phase I analyses. The program created a separate sector layer for each site consisting of four ring polygons (2, 5, 10, and 20 kilometers from the site location) divided into four quadrants each. The AML also numbered each sector piece with its site id (i.e., same as stack id in this case) and its sector id (1–16). The sectors layers for each site were merged into a single layer containing the sectors for all of the sites within ArcMap. Note that the sectors were not intersected when sectors from different sites overlapped, so that the original sector information from each sector was maintained in the merged site sector layer. The total area (square meters) for each sector was also calculated in ArcMap.

B.6 Integrating the Prepared Data Sets

After the data sets were retrieved and prepared, they were integrated using a couple of GIS intersection processes. The integrated layer consisted of polygons that were associated with a single block group, county, and site-sector area. Areas (in square meters) were then calculated for each polygon in the integrated layer. A ratio of each polygon's area to the original block group's area that it was associated with was calculated. This ratio was multiplied by each block group population value (for the block group the polygon was associated with) to determine estimated population values for the individual polygon. A dairy-farm-to-all-farms ratio and a farm population to all population ratio were also calculated for each polygon. These ratios in addition to the block group area ratio and the 0-5 year old resident value for the block group were used to calculate the 0-5 year old children of dairy farmers population estimate for each polygon. The polygon population estimates were left as fractions and not rounded to whole persons at this level. Finally the estimated population values for each polygon in the integrated layer were summarized by the site-sector id value of each polygon and exported to an MS Access file.

B.7 GIS Data Quality Assurance

The locations (latitude and longitude coordinates) of the combustor sites were checked against background data to ensure that they were reasonable. We converted the coordinates into a point layer within ArcMap. We then made simple maps of each point on top of USGS DRG and DOQ background data to make sure that the coordinates looked to be reasonable. We had concerns about the location of almost half of the sites and used in our analyses what we determined were better coordinates for 13 of the sites.

[7] We had concerns about the location of almost half of the sites and suggested what we determined were better coordinates for 13 of the sites.

Quality assurance/quality control procedures were also used to check the GIS population analysis. The sector coverages were checked to ensure that the ring distances were correct, that the sector/quadrants were correct and that the resulting ring/sector polygons all had the same numbering scheme from facility to facility. Individual facilities were checked to insure that the sum of the population values (e.g. 0-5 years) for a given sector added up to the correct value based on the underlying block group data. In addition, individual block groups within a sector were checked to ensure that the total population for the block group (as well as the age-based categories) totaled the original population values for the block group. Farm data from the Census of Agriculture were checked to ensure that the values were used correctly with the 2000 U.S. Decennial Census population data to calculate the estimate of 0-5 year old children of dairy farmers in a sector.

B.8 References

RTI (Research Triangle Institute). 1999. *Risk Assessment Support to the Development of Technical Standards for Emissions from Combustion Units Burning Hazardous Wastes, Human Health and Ecological Risk Results*. Volume 1 through Volume 6. Prepared by RTI for U.S. EPA, Office of Solid Waste. July.

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Appendix C

Statistical Power Data

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Appendix C

Statistical Power Data

Power Analysis for Chi Square Test of Common Percentiles

Table C-1. The Power of Chi-Square Tests for Equivalence of 2 Percentiles

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
20	0.1	0.05	0.119
		0.10	0.166
		0.15	0.229
		0.20	0.302
		0.25	0.381
		0.30	0.463
		0.35	0.543
		0.40	0.621
		0.45	0.693
		0.50	0.758
		0.55	0.815
		0.60	0.863
		0.65	0.902
		0.70	0.933
		0.75	0.957
		0.80	0.973
		0.85	0.985
20	0.2	0.05	0.225
		0.10	0.284
		0.15	0.360
		0.20	0.443
		0.25	0.527
		0.30	0.608
		0.35	0.682
		0.40	0.749
		0.45	0.807

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.50	0.856
		0.55	0.896
		0.60	0.927
		0.65	0.951
		0.70	0.969
		0.75	0.981
		0.80	0.989
		0.85	0.994
40	0.1	0.05	0.139
		0.10	0.230
		0.15	0.348
		0.20	0.475
		0.25	0.598
		0.30	0.708
		0.35	0.798
		0.40	0.868
		0.45	0.918
		0.50	0.953
		0.55	0.974
		0.60	0.987
		0.65	0.994
		0.70	0.997
		0.75	0.999
		0.80	1.000
		0.85	1.000
40	0.2	0.05	0.250
		0.10	0.361
		0.15	0.492
		0.20	0.620
		0.25	0.730
		0.30	0.819
		0.35	0.884
		0.40	0.930
		0.45	0.961
		0.50	0.979
		0.55	0.990

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.60	0.995
		0.65	0.998
		0.70	0.999
		0.75	1.000
		0.80	1.000
		0.85	1.000
60	0.1	0.05	0.158
		0.10	0.291
		0.15	0.455
		0.20	0.615
		0.25	0.750
		0.30	0.850
		0.35	0.918
		0.40	0.959
		0.45	0.981
		0.50	0.992
		0.55	0.997
		0.60	0.999
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
60	0.2	0.05	0.274
		0.10	0.431
		0.15	0.600
		0.20	0.744
		0.25	0.850
		0.30	0.920
		0.35	0.960
		0.40	0.982
		0.45	0.993
		0.50	0.997
		0.55	0.999
		0.60	1.000
		0.65	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
100	0.1	0.05	0.195
		0.10	0.405
		0.15	0.629
		0.20	0.804
		0.25	0.911
		0.30	0.966
		0.35	0.989
		0.40	0.997
		0.45	0.999
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
100	0.2	0.05	0.320
		0.10	0.551
		0.15	0.756
		0.20	0.889
		0.25	0.957
		0.30	0.985
		0.35	0.996
		0.40	0.999
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.80	1.000
		0.85	1.000
200	0.1	0.05	0.286
		0.10	0.631
		0.15	0.874
		0.20	0.971
		0.25	0.995
		0.30	0.999
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
200	0.2	0.05	0.425
		0.10	0.758
		0.15	0.934
		0.20	0.988
		0.25	0.998
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
300	0.1	0.05	0.370
		0.10	0.782
		0.15	0.962
		0.20	0.996
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
300	0.2	0.05	0.516
		0.10	0.874
		0.15	0.984
		0.20	0.999
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
400	0.1	0.05	0.448
		0.10	0.876

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.15	0.989
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
400	0.2	0.05	0.594
		0.10	0.936
		0.15	0.996
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
500	0.1	0.05	0.519
		0.10	0.931
		0.15	0.997
		0.20	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
500	0.2	0.05	0.660
		0.10	0.968
		0.15	0.999
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
600	0.1	0.05	0.582
		0.10	0.963
		0.15	0.999
		0.20	1.000
		0.25	1.000
		0.30	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
600	0.2	0.05	0.717
		0.10	0.984
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
700	0.1	0.05	0.639
		0.10	0.980
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
700	0.2	0.05	0.764
		0.10	0.992
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
800	0.1	0.05	0.689
		0.10	0.990
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
800	0.2	0.05	0.804
		0.10	0.996
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
900	0.1	0.05	0.733
		0.10	0.995
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000
900	0.2	0.05	0.838
		0.10	0.998
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	
1000	0.1	0.05	0.772
		0.10	0.997
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000

(continued)

Table C-1. (continued)

Combined Sample Size	Alpha Level	Relative Difference in Percentiles	Power of Test to Detect Relative Differences
		0.75	1.000
		0.80	1.000
			0.85
1000	0.2	0.05	0.866
		0.10	0.999
		0.15	1.000
		0.20	1.000
		0.25	1.000
		0.30	1.000
		0.35	1.000
		0.40	1.000
		0.45	1.000
		0.50	1.000
		0.55	1.000
		0.60	1.000
		0.65	1.000
		0.70	1.000
		0.75	1.000
		0.80	1.000
		0.85	1.000

Power Analysis of Spearman Rank Correlation Coefficient Equality Test

Table C-2. Power Analysis Results for Spearman Rank Correlation Equality Test

POWER	N1	N2	DELTA	ALPHA	BETA
0.1	25	8	0	0.1	0.9
0.19475	25	8	0.1	0.1	0.80525
0.33791	25	8	0.2	0.1	0.66209
0.47181	25	8	0.3	0.1	0.52819
0.58651	25	8	0.4	0.1	0.41349
0.68148	25	8	0.5	0.1	0.31852
0.75869	25	8	0.6	0.1	0.24131
0.82058	25	8	0.7	0.1	0.17942
0.86954	25	8	0.8	0.1	0.13046
0.9077	25	8	0.9	0.1	0.0923
0.9369	25	8	1	0.1	0.0631
0.95871	25	8	1.1	0.1	0.04129
0.9745	25	8	1.2	0.1	0.0255
0.98544	25	8	1.3	0.1	0.01456
0.99256	25	8	1.4	0.1	0.00744
0.99679	25	8	1.5	0.1	0.00321
0.99896	25	8	1.6	0.1	0.00104
0.9998	25	8	1.7	0.1	0.0002
0.99999	25	8	1.8	0.1	0.00001
0.2	25	8	0	0.2	0.8
0.31983	25	8	0.1	0.2	0.68017
0.48202	25	8	0.2	0.2	0.51798
0.61662	25	8	0.3	0.2	0.38338
0.72031	25	8	0.4	0.2	0.27969
0.79846	25	8	0.5	0.2	0.20154
0.85677	25	8	0.6	0.2	0.14323
0.89993	25	8	0.7	0.2	0.10007
0.93158	25	8	0.8	0.2	0.06842
0.9545	25	8	0.9	0.2	0.0455
0.9708	25	8	1	0.2	0.0292
0.9821	25	8	1.1	0.2	0.0179
0.98969	25	8	1.2	0.2	0.01031

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.99454	25	8	1.3	0.2	0.00546
0.99744	25	8	1.4	0.2	0.00256
0.999	25	8	1.5	0.2	0.001
0.99971	25	8	1.6	0.2	0.00029
0.99995	25	8	1.7	0.2	0.00005
1	25	8	1.8	0.2	0
0.1	25	10	0	0.1	0.9
0.22266	25	10	0.1	0.1	0.77734
0.40215	25	10	0.2	0.1	0.59785
0.56009	25	10	0.3	0.1	0.43991
0.68515	25	10	0.4	0.1	0.31485
0.77982	25	10	0.5	0.1	0.22018
0.84955	25	10	0.6	0.1	0.15045
0.89983	25	10	0.7	0.1	0.10017
0.93531	25	10	0.8	0.1	0.06469
0.95975	25	10	0.9	0.1	0.04025
0.97609	25	10	1	0.1	0.02391
0.98662	25	10	1.1	0.1	0.01338
0.99307	25	10	1.2	0.1	0.00693
0.99678	25	10	1.3	0.1	0.00322
0.99871	25	10	1.4	0.1	0.00129
0.99959	25	10	1.5	0.1	0.00041
0.99991	25	10	1.6	0.1	0.00009
0.99999	25	10	1.7	0.1	0.00001
1	25	10	1.8	0.1	0
0.2	25	10	0	0.2	0.8
0.3531	25	10	0.1	0.2	0.6469
0.54849	25	10	0.2	0.2	0.45151
0.69734	25	10	0.3	0.2	0.30266
0.80133	25	10	0.4	0.2	0.19867
0.87188	25	10	0.5	0.2	0.12812
0.91895	25	10	0.6	0.2	0.08105
0.94991	25	10	0.7	0.2	0.05009

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.96994	25	10	0.8	0.2	0.03006
0.98262	25	10	0.9	0.2	0.01738
0.99042	25	10	1	0.2	0.00958
0.99503	25	10	1.1	0.2	0.00497
0.99763	25	10	1.2	0.2	0.00237
0.99899	25	10	1.3	0.2	0.00101
0.99963	25	10	1.4	0.2	0.00037
0.9999	25	10	1.5	0.2	0.0001
0.99998	25	10	1.6	0.2	0.00002
1	25	10	1.7	0.2	0
1	25	10	1.8	0.2	0
0.1	25	20	0	0.1	0.9
0.31535	25	20	0.1	0.1	0.68465
0.59056	25	20	0.2	0.1	0.40944
0.7787	25	20	0.3	0.1	0.2213
0.88747	25	20	0.4	0.1	0.11253
0.94545	25	20	0.5	0.1	0.05455
0.97475	25	20	0.6	0.1	0.02525
0.98888	25	20	0.7	0.1	0.01112
0.99539	25	20	0.8	0.1	0.00461
0.99822	25	20	0.9	0.1	0.00178
0.99937	25	20	1	0.1	0.00063
0.9998	25	20	1.1	0.1	0.0002
0.99995	25	20	1.2	0.1	0.00005
0.99999	25	20	1.3	0.1	0.00001
1	25	20	1.4	0.1	0
1	25	20	1.5	0.1	0
1	25	20	1.6	0.1	0
1	25	20	1.7	0.1	0
1	25	20	1.8	0.1	0
0.2	25	20	0	0.2	0.8
0.4578	25	20	0.1	0.2	0.5422
0.72378	25	20	0.2	0.2	0.27622

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.87109	25	20	0.3	0.2	0.12891
0.94256	25	20	0.4	0.2	0.05744
0.97533	25	20	0.5	0.2	0.02467
0.9898	25	20	0.6	0.2	0.0102
0.99597	25	20	0.7	0.2	0.00403
0.9985	25	20	0.8	0.2	0.0015
0.99948	25	20	0.9	0.2	0.00052
0.99983	25	20	1	0.2	0.00017
0.99995	25	20	1.1	0.2	0.00005
0.99999	25	20	1.2	0.2	0.00001
1	25	20	1.3	0.2	0
1	25	20	1.4	0.2	0
1	25	20	1.5	0.2	0
1	25	20	1.6	0.2	0
1	25	20	1.7	0.2	0
1	25	20	1.8	0.2	0
0.1	25	50	0	0.1	0.9
0.42229	25	50	0.1	0.1	0.57771
0.75709	25	50	0.2	0.1	0.24291
0.91482	25	50	0.3	0.1	0.08518
0.97306	25	50	0.4	0.1	0.02694
0.99212	25	50	0.5	0.1	0.00788
0.99786	25	50	0.6	0.1	0.00214
0.99946	25	50	0.7	0.1	0.00054
0.99988	25	50	0.8	0.1	0.00012
0.99997	25	50	0.9	0.1	0.00003
1	25	50	1	0.1	0
1	25	50	1.1	0.1	0
1	25	50	1.2	0.1	0
1	25	50	1.3	0.1	0
1	25	50	1.4	0.1	0
1	25	50	1.5	0.1	0
1	25	50	1.6	0.1	0

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
1	25	50	1.7	0.1	0
1	25	50	1.8	0.1	0
0.2	25	50	0	0.2	0.8
0.56861	25	50	0.1	0.2	0.43139
0.85561	25	50	0.2	0.2	0.14439
0.95858	25	50	0.3	0.2	0.04142
0.98902	25	50	0.4	0.2	0.01098
0.99726	25	50	0.5	0.2	0.00274
0.99936	25	50	0.6	0.2	0.00064
0.99986	25	50	0.7	0.2	0.00014
0.99997	25	50	0.8	0.2	0.00003
1	25	50	0.9	0.2	0
1	25	50	1	0.2	0
1	25	50	1.1	0.2	0
1	25	50	1.2	0.2	0
1	25	50	1.3	0.2	0
1	25	50	1.4	0.2	0
1	25	50	1.5	0.2	0
1	25	50	1.6	0.2	0
1	25	50	1.7	0.2	0
1	25	50	1.8	0.2	0
0.1	50	8	0	0.1	0.9
0.20485	50	8	0.1	0.1	0.79515
0.36153	50	8	0.2	0.1	0.63847
0.505	50	8	0.3	0.1	0.495
0.62458	50	8	0.4	0.1	0.37542
0.72053	50	8	0.5	0.1	0.27947
0.79586	50	8	0.6	0.1	0.20414
0.85404	50	8	0.7	0.1	0.14596
0.89824	50	8	0.8	0.1	0.10176
0.93121	50	8	0.9	0.1	0.06879
0.95526	50	8	1	0.1	0.04474
0.97231	50	8	1.1	0.1	0.02769

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.98394	50	8	1.2	0.1	0.01606
0.99147	50	8	1.3	0.1	0.00853
0.99601	50	8	1.4	0.1	0.00399
0.99845	50	8	1.5	0.1	0.00155
0.99956	50	8	1.6	0.1	0.00044
0.99993	50	8	1.7	0.1	0.00007
1	50	8	1.8	0.1	0
0.2	50	8	0	0.2	0.8
0.33197	50	8	0.1	0.2	0.66803
0.50688	50	8	0.2	0.2	0.49312
0.64769	50	8	0.3	0.2	0.35231
0.75247	50	8	0.4	0.2	0.24753
0.82854	50	8	0.5	0.2	0.17146
0.8831	50	8	0.6	0.2	0.1169
0.92182	50	8	0.7	0.2	0.07818
0.94897	50	8	0.8	0.2	0.05103
0.96772	50	8	0.9	0.2	0.03228
0.98037	50	8	1	0.2	0.01963
0.98867	50	8	1.1	0.2	0.01133
0.9939	50	8	1.2	0.2	0.0061
0.99701	50	8	1.3	0.2	0.00299
0.99872	50	8	1.4	0.2	0.00128
0.99955	50	8	1.5	0.2	0.00045
0.99989	50	8	1.6	0.2	0.00011
0.99999	50	8	1.7	0.2	0.00001
1	50	8	1.8	0.2	0
0.1	50	10	0	0.1	0.9
0.24007	50	10	0.1	0.1	0.75993
0.44055	50	10	0.2	0.1	0.55945
0.60973	50	10	0.3	0.1	0.39027
0.73674	50	10	0.4	0.1	0.26326
0.82726	50	10	0.5	0.1	0.17274
0.88973	50	10	0.6	0.1	0.11027

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.93171	50	10	0.7	0.1	0.06829
0.95919	50	10	0.8	0.1	0.04081
0.97665	50	10	0.9	0.1	0.02335
0.98735	50	10	1	0.1	0.01265
0.9936	50	10	1.1	0.1	0.0064
0.99705	50	10	1.2	0.1	0.00295
0.9988	50	10	1.3	0.1	0.0012
0.99959	50	10	1.4	0.1	0.00041
0.99989	50	10	1.5	0.1	0.00011
0.99998	50	10	1.6	0.1	0.00002
1	50	10	1.7	0.1	0
1	50	10	1.8	0.1	0
0.2	50	10	0	0.2	0.8
0.37343	50	10	0.1	0.2	0.62657
0.58655	50	10	0.2	0.2	0.41345
0.74006	50	10	0.3	0.2	0.25994
0.84068	50	10	0.4	0.2	0.15932
0.90439	50	10	0.5	0.2	0.09561
0.94391	50	10	0.6	0.2	0.05609
0.96799	50	10	0.7	0.2	0.03201
0.98234	50	10	0.8	0.2	0.01766
0.99067	50	10	0.9	0.2	0.00933
0.99534	50	10	1	0.2	0.00466
0.99783	50	10	1.1	0.2	0.00217
0.99908	50	10	1.2	0.2	0.00092
0.99966	50	10	1.3	0.2	0.00034
0.9999	50	10	1.4	0.2	0.0001
0.99998	50	10	1.5	0.2	0.00002
1	50	10	1.6	0.2	0
1	50	10	1.7	0.2	0
1	50	10	1.8	0.2	0
0.1	50	20	0	0.1	0.9
0.37419	50	20	0.1	0.1	0.62581

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.6889	50	20	0.2	0.1	0.3111
0.86604	50	20	0.3	0.1	0.13396
0.94696	50	20	0.4	0.1	0.05304
0.9803	50	20	0.5	0.1	0.0197
0.99312	50	20	0.6	0.1	0.00688
0.99775	50	20	0.7	0.1	0.00225
0.99932	50	20	0.8	0.1	0.00068
0.99981	50	20	0.9	0.1	0.00019
0.99995	50	20	1	0.1	0.00005
0.99999	50	20	1.1	0.1	0.00001
1	50	20	1.2	0.1	0
1	50	20	1.3	0.1	0
1	50	20	1.4	0.1	0
1	50	20	1.5	0.1	0
1	50	20	1.6	0.1	0
1	50	20	1.7	0.1	0
1	50	20	1.8	0.1	0
0.2	50	20	0	0.2	0.8
0.52	50	20	0.1	0.2	0.48
0.80427	50	20	0.2	0.2	0.19573
0.9294	50	20	0.3	0.2	0.0706
0.97612	50	20	0.4	0.2	0.02388
0.99231	50	20	0.5	0.2	0.00769
0.99765	50	20	0.6	0.2	0.00235
0.99932	50	20	0.7	0.2	0.00068
0.99982	50	20	0.8	0.2	0.00018
0.99996	50	20	0.9	0.2	0.00004
0.99999	50	20	1	0.2	0.00001
1	50	20	1.1	0.2	0
1	50	20	1.2	0.2	0
1	50	20	1.3	0.2	0
1	50	20	1.4	0.2	0
1	50	20	1.5	0.2	0

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
1	50	20	1.6	0.2	0
1	50	20	1.7	0.2	0
1	50	20	1.8	0.2	0
0.1	50	50	0	0.1	0.9
0.5663	50	50	0.1	0.1	0.4337
0.90106	50	50	0.2	0.1	0.09894
0.98349	50	50	0.3	0.1	0.01651
0.99767	50	50	0.4	0.1	0.00233
0.99971	50	50	0.5	0.1	0.00029
0.99997	50	50	0.6	0.1	0.00003
1	50	50	0.7	0.1	0
1	50	50	0.8	0.1	0
1	50	50	0.9	0.1	0
1	50	50	1	0.1	0
1	50	50	1.1	0.1	0
1	50	50	1.2	0.1	0
1	50	50	1.3	0.1	0
1	50	50	1.4	0.1	0
1	50	50	1.5	0.1	0
1	50	50	1.6	0.1	0
1	50	50	1.7	0.1	0
1	50	50	1.8	0.1	0
0.2	50	50	0	0.2	0.8
0.70279	50	50	0.1	0.2	0.29721
0.95063	50	50	0.2	0.2	0.04937
0.9937	50	50	0.3	0.2	0.0063
0.99929	50	50	0.4	0.2	0.00071
0.99993	50	50	0.5	0.2	0.00007
0.99999	50	50	0.6	0.2	0.00001
1	50	50	0.7	0.2	0
1	50	50	0.8	0.2	0
1	50	50	0.9	0.2	0
1	50	50	1	0.2	0

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
1	50	50	1.1	0.2	0
1	50	50	1.2	0.2	0
1	50	50	1.3	0.2	0
1	50	50	1.4	0.2	0
1	50	50	1.5	0.2	0
1	50	50	1.6	0.2	0
1	50	50	1.7	0.2	0
1	50	50	1.8	0.2	0
0.1	75	8	0	0.1	0.9
0.20838	75	8	0.1	0.1	0.79162
0.36968	75	8	0.2	0.1	0.63032
0.51627	75	8	0.3	0.1	0.48373
0.63724	75	8	0.4	0.1	0.36276
0.73321	75	8	0.5	0.1	0.26679
0.80765	75	8	0.6	0.1	0.19235
0.86436	75	8	0.7	0.1	0.13564
0.90684	75	8	0.8	0.1	0.09316
0.93803	75	8	0.9	0.1	0.06197
0.96041	75	8	1	0.1	0.03959
0.97597	75	8	1.1	0.1	0.02403
0.98637	75	8	1.2	0.1	0.01363
0.99295	75	8	1.3	0.1	0.00705
0.9968	75	8	1.4	0.1	0.0032
0.99881	75	8	1.5	0.1	0.00119
0.99968	75	8	1.6	0.1	0.00032
0.99995	75	8	1.7	0.1	0.00005
1	75	8	1.8	0.1	0
0.2	75	8	0	0.2	0.8
0.33619	75	8	0.1	0.2	0.66381
0.51535	75	8	0.2	0.2	0.48465
0.65803	75	8	0.3	0.2	0.34197
0.76292	75	8	0.4	0.2	0.23708
0.83806	75	8	0.5	0.2	0.16194

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.89119	75	8	0.6	0.2	0.10881
0.92835	75	8	0.7	0.2	0.07165
0.954	75	8	0.8	0.2	0.046
0.9714	75	8	0.9	0.2	0.0286
0.98294	75	8	1	0.2	0.01706
0.99036	75	8	1.1	0.2	0.00964
0.99493	75	8	1.2	0.2	0.00507
0.99758	75	8	1.3	0.2	0.00242
0.999	75	8	1.4	0.2	0.001
0.99966	75	8	1.5	0.2	0.00034
0.99992	75	8	1.6	0.2	0.00008
0.99999	75	8	1.7	0.2	0.00001
1	75	8	1.8	0.2	0
0.1	75	10	0	0.1	0.9
0.24641	75	10	0.1	0.1	0.75359
0.45421	75	10	0.2	0.1	0.54579
0.62678	75	10	0.3	0.1	0.37322
0.75376	75	10	0.4	0.1	0.24624
0.84223	75	10	0.5	0.1	0.15777
0.90181	75	10	0.6	0.1	0.09819
0.94081	75	10	0.7	0.1	0.05919
0.96564	75	10	0.8	0.1	0.03436
0.98095	75	10	0.9	0.1	0.01905
0.99002	75	10	1	0.1	0.00998
0.99514	75	10	1.1	0.1	0.00486
0.99785	75	10	1.2	0.1	0.00215
0.99917	75	10	1.3	0.1	0.00083
0.99973	75	10	1.4	0.1	0.00027
0.99993	75	10	1.5	0.1	0.00007
0.99999	75	10	1.6	0.1	0.00001
1	75	10	1.7	0.1	0
1	75	10	1.8	0.1	0
0.2	75	10	0	0.2	0.8

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.38076	75	10	0.1	0.2	0.61924
0.59978	75	10	0.2	0.2	0.40022
0.7543	75	10	0.3	0.2	0.2457
0.85319	75	10	0.4	0.2	0.14681
0.91422	75	10	0.5	0.2	0.08578
0.95107	75	10	0.6	0.2	0.04893
0.97289	75	10	0.7	0.2	0.02711
0.9855	75	10	0.8	0.2	0.0145
0.9926	75	10	0.9	0.2	0.0074
0.99643	75	10	1	0.2	0.00357
0.99841	75	10	1.1	0.2	0.00159
0.99936	75	10	1.2	0.2	0.00064
0.99977	75	10	1.3	0.2	0.00023
0.99993	75	10	1.4	0.2	0.00007
0.99999	75	10	1.5	0.2	0.00001
1	75	10	1.6	0.2	0
1	75	10	1.7	0.2	0
1	75	10	1.8	0.2	0
0.1	75	20	0	0.1	0.9
0.39891	75	20	0.1	0.1	0.60109
0.72529	75	20	0.2	0.1	0.27471
0.89331	75	20	0.3	0.1	0.10669
0.96228	75	20	0.4	0.1	0.03772
0.98758	75	20	0.5	0.1	0.01242
0.99617	75	20	0.6	0.1	0.00383
0.9989	75	20	0.7	0.1	0.0011
0.99971	75	20	0.8	0.1	0.00029
0.99993	75	20	0.9	0.1	0.00007
0.99999	75	20	1	0.1	0.00001
1	75	20	1.1	0.1	0
1	75	20	1.2	0.1	0
1	75	20	1.3	0.1	0
1	75	20	1.4	0.1	0

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
1	75	20	1.5	0.1	0
1	75	20	1.6	0.1	0
1	75	20	1.7	0.1	0
1	75	20	1.8	0.1	0
0.2	75	20	0	0.2	0.8
0.54523	75	20	0.1	0.2	0.45477
0.83213	75	20	0.2	0.2	0.16787
0.94606	75	20	0.3	0.2	0.05394
0.98387	75	20	0.4	0.2	0.01613
0.99543	75	20	0.5	0.2	0.00457
0.99878	75	20	0.6	0.2	0.00122
0.99969	75	20	0.7	0.2	0.00031
0.99993	75	20	0.8	0.2	0.00007
0.99999	75	20	0.9	0.2	0.00001
1	75	20	1	0.2	0
1	75	20	1.1	0.2	0
1	75	20	1.2	0.2	0
1	75	20	1.3	0.2	0
1	75	20	1.4	0.2	0
1	75	20	1.5	0.2	0
1	75	20	1.6	0.2	0
1	75	20	1.7	0.2	0
1	75	20	1.8	0.2	0
0.1	75	50	0	0.1	0.9
0.63601	75	50	0.1	0.1	0.36399
0.94306	75	50	0.2	0.1	0.05694
0.99396	75	50	0.3	0.1	0.00604
0.99947	75	50	0.4	0.1	0.00053
0.99996	75	50	0.5	0.1	0.00004
1	75	50	0.6	0.1	0
1	75	50	0.7	0.1	0
1	75	50	0.8	0.1	0
1	75	50	0.9	0.1	0

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
1	75	50	1	0.1	0
1	75	50	1.1	0.1	0
1	75	50	1.2	0.1	0
1	75	50	1.3	0.1	0
1	75	50	1.4	0.1	0
1	75	50	1.5	0.1	0
1	75	50	1.6	0.1	0
1	75	50	1.7	0.1	0
1	75	50	1.8	0.1	0
0.2	75	50	0	0.2	0.8
0.76191	75	50	0.1	0.2	0.23809
0.97407	75	50	0.2	0.2	0.02593
0.99797	75	50	0.3	0.2	0.00203
0.99986	75	50	0.4	0.2	0.00014
0.99999	75	50	0.5	0.2	0.00001
1	75	50	0.6	0.2	0
1	75	50	0.7	0.2	0
1	75	50	0.8	0.2	0
1	75	50	0.9	0.2	0
1	75	50	1	0.2	0
1	75	50	1.1	0.2	0
1	75	50	1.2	0.2	0
1	75	50	1.3	0.2	0
1	75	50	1.4	0.2	0
1	75	50	1.5	0.2	0
1	75	50	1.6	0.2	0
1	75	50	1.7	0.2	0
1	75	50	1.8	0.2	0
0.1	100	8	0	0.1	0.9
0.21018	100	8	0.1	0.1	0.78982
0.37381	100	8	0.2	0.1	0.62619
0.52193	100	8	0.3	0.1	0.47807
0.64355	100	8	0.4	0.1	0.35645

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.73949	100	8	0.5	0.1	0.26051
0.81342	100	8	0.6	0.1	0.18658
0.86936	100	8	0.7	0.1	0.13064
0.91095	100	8	0.8	0.1	0.08905
0.94126	100	8	0.9	0.1	0.05874
0.96281	100	8	1	0.1	0.03719
0.97765	100	8	1.1	0.1	0.02235
0.98747	100	8	1.2	0.1	0.01253
0.9936	100	8	1.3	0.1	0.0064
0.99714	100	8	1.4	0.1	0.00286
0.99895	100	8	1.5	0.1	0.00105
0.99973	100	8	1.6	0.1	0.00027
0.99996	100	8	1.7	0.1	0.00004
1	100	8	1.8	0.1	0
0.2	100	8	0	0.2	0.8
0.33833	100	8	0.1	0.2	0.66167
0.51962	100	8	0.2	0.2	0.48038
0.6632	100	8	0.3	0.2	0.3368
0.76808	100	8	0.4	0.2	0.23192
0.84272	100	8	0.5	0.2	0.15728
0.89511	100	8	0.6	0.2	0.10489
0.93147	100	8	0.7	0.2	0.06853
0.95637	100	8	0.8	0.2	0.04363
0.97312	100	8	0.9	0.2	0.02688
0.98413	100	8	1	0.2	0.01587
0.99113	100	8	1.1	0.2	0.00887
0.99539	100	8	1.2	0.2	0.00461
0.99783	100	8	1.3	0.2	0.00217
0.99912	100	8	1.4	0.2	0.00088
0.99971	100	8	1.5	0.2	0.00029
0.99993	100	8	1.6	0.2	0.00007
0.99999	100	8	1.7	0.2	0.00001
1	100	8	1.8	0.2	0

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.1	100	10	0	0.1	0.9
0.24969	100	10	0.1	0.1	0.75031
0.4612	100	10	0.2	0.1	0.5388
0.63539	100	10	0.3	0.1	0.36461
0.76221	100	10	0.4	0.1	0.23779
0.84954	100	10	0.5	0.1	0.15046
0.90759	100	10	0.6	0.1	0.09241
0.94508	100	10	0.7	0.1	0.05492
0.96859	100	10	0.8	0.1	0.03141
0.98287	100	10	0.9	0.1	0.01713
0.99118	100	10	1	0.1	0.00882
0.99579	100	10	1.1	0.1	0.00421
0.99818	100	10	1.2	0.1	0.00182
0.99931	100	10	1.3	0.1	0.00069
0.99978	100	10	1.4	0.1	0.00022
0.99995	100	10	1.5	0.1	0.00005
0.99999	100	10	1.6	0.1	0.00001
1	100	10	1.7	0.1	0
1	100	10	1.8	0.1	0
0.2	100	10	0	0.2	0.8
0.38453	100	10	0.1	0.2	0.61547
0.6065	100	10	0.2	0.2	0.3935
0.7614	100	10	0.3	0.2	0.2386
0.85932	100	10	0.4	0.2	0.14068
0.91894	100	10	0.5	0.2	0.08106
0.95443	100	10	0.6	0.2	0.04557
0.97513	100	10	0.7	0.2	0.02487
0.98692	100	10	0.8	0.2	0.01308
0.99343	100	10	0.9	0.2	0.00657
0.9969	100	10	1	0.2	0.0031
0.99864	100	10	1.1	0.2	0.00136
0.99946	100	10	1.2	0.2	0.00054
0.99982	100	10	1.3	0.2	0.00018

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.99995	100	10	1.4	0.2	0.00005
0.99999	100	10	1.5	0.2	0.00001
1	100	10	1.6	0.2	0
1	100	10	1.7	0.2	0
1	100	10	1.8	0.2	0
0.1	100	20	0	0.1	0.9
0.41249	100	20	0.1	0.1	0.58751
0.74407	100	20	0.2	0.1	0.25593
0.90628	100	20	0.3	0.1	0.09372
0.96893	100	20	0.4	0.1	0.03107
0.99044	100	20	0.5	0.1	0.00956
0.99726	100	20	0.6	0.1	0.00274
0.99927	100	20	0.7	0.1	0.00073
0.99982	100	20	0.8	0.1	0.00018
0.99996	100	20	0.9	0.1	0.00004
0.99999	100	20	1	0.1	0.00001
1	100	20	1.1	0.1	0
1	100	20	1.2	0.1	0
1	100	20	1.3	0.1	0
1	100	20	1.4	0.1	0
1	100	20	1.5	0.1	0
1	100	20	1.6	0.1	0
1	100	20	1.7	0.1	0
1	100	20	1.8	0.1	0
0.2	100	20	0	0.2	0.8
0.55887	100	20	0.1	0.2	0.44113
0.8461	100	20	0.2	0.2	0.1539
0.95368	100	20	0.3	0.2	0.04632
0.98708	100	20	0.4	0.2	0.01292
0.9966	100	20	0.5	0.2	0.0034
0.99916	100	20	0.6	0.2	0.00084
0.9998	100	20	0.7	0.2	0.0002
0.99996	100	20	0.8	0.2	0.00004

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.99999	100	20	0.9	0.2	0.00001
1	100	20	1	0.2	0
1	100	20	1.1	0.2	0
1	100	20	1.2	0.2	0
1	100	20	1.3	0.2	0
1	100	20	1.4	0.2	0
1	100	20	1.5	0.2	0
1	100	20	1.6	0.2	0
1	100	20	1.7	0.2	0
1	100	20	1.8	0.2	0
0.1	100	50	0	0.1	0.9
0.67637	100	50	0.1	0.1	0.32363
0.9607	100	50	0.2	0.1	0.0393
0.99692	100	50	0.3	0.1	0.00308
0.99981	100	50	0.4	0.1	0.00019
0.99999	100	50	0.5	0.1	0.00001
1	100	50	0.6	0.1	0
1	100	50	0.7	0.1	0
1	100	50	0.8	0.1	0
1	100	50	0.9	0.1	0
1	100	50	1	0.1	0
1	100	50	1.1	0.1	0
1	100	50	1.2	0.1	0
1	100	50	1.3	0.1	0
1	100	50	1.4	0.1	0
1	100	50	1.5	0.1	0
1	100	50	1.6	0.1	0
1	100	50	1.7	0.1	0
1	100	50	1.8	0.1	0
0.2	100	50	0	0.2	0.8
0.79443	100	50	0.1	0.2	0.20557
0.98309	100	50	0.2	0.2	0.01691
0.99904	100	50	0.3	0.2	0.00096

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.99995	100	50	0.4	0.2	0.00005
1	100	50	0.5	0.2	0
1	100	50	0.6	0.2	0
1	100	50	0.7	0.2	0
1	100	50	0.8	0.2	0
1	100	50	0.9	0.2	0
1	100	50	1	0.2	0
1	100	50	1.1	0.2	0
1	100	50	1.2	0.2	0
1	100	50	1.3	0.2	0
1	100	50	1.4	0.2	0
1	100	50	1.5	0.2	0
1	100	50	1.6	0.2	0
1	100	50	1.7	0.2	0
1	100	50	1.8	0.2	0
0.1	125	8	0	0.1	0.9
0.21126	125	8	0.1	0.1	0.78874
0.37631	125	8	0.2	0.1	0.62369
0.52535	125	8	0.3	0.1	0.47465
0.64734	125	8	0.4	0.1	0.35266
0.74323	125	8	0.5	0.1	0.25677
0.81684	125	8	0.6	0.1	0.18316
0.87231	125	8	0.7	0.1	0.12769
0.91337	125	8	0.8	0.1	0.08663
0.94314	125	8	0.9	0.1	0.05686
0.96419	125	8	1	0.1	0.03581
0.97862	125	8	1.1	0.1	0.02138
0.98809	125	8	1.2	0.1	0.01191
0.99397	125	8	1.3	0.1	0.00603
0.99733	125	8	1.4	0.1	0.00267
0.99903	125	8	1.5	0.1	0.00097
0.99975	125	8	1.6	0.1	0.00025
0.99997	125	8	1.7	0.1	0.00003

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
1	125	8	1.8	0.1	0
0.2	125	8	0	0.2	0.8
0.33962	125	8	0.1	0.2	0.66038
0.52219	125	8	0.2	0.2	0.47781
0.6663	125	8	0.3	0.2	0.3337
0.77116	125	8	0.4	0.2	0.22884
0.84548	125	8	0.5	0.2	0.15452
0.89742	125	8	0.6	0.2	0.10258
0.9333	125	8	0.7	0.2	0.0667
0.95775	125	8	0.8	0.2	0.04225
0.97411	125	8	0.9	0.2	0.02589
0.9848	125	8	1	0.2	0.0152
0.99156	125	8	1.1	0.2	0.00844
0.99565	125	8	1.2	0.2	0.00435
0.99797	125	8	1.3	0.2	0.00203
0.99918	125	8	1.4	0.2	0.00082
0.99973	125	8	1.5	0.2	0.00027
0.99994	125	8	1.6	0.2	0.00006
0.99999	125	8	1.7	0.2	0.00001
1	125	8	1.8	0.2	0
0.1	125	10	0	0.1	0.9
0.2517	125	10	0.1	0.1	0.7483
0.46546	125	10	0.2	0.1	0.53454
0.64059	125	10	0.3	0.1	0.35941
0.76726	125	10	0.4	0.1	0.23274
0.85386	125	10	0.5	0.1	0.14614
0.91097	125	10	0.6	0.1	0.08903
0.94754	125	10	0.7	0.1	0.05246
0.97028	125	10	0.8	0.1	0.02972
0.98395	125	10	0.9	0.1	0.01605
0.99183	125	10	1	0.1	0.00817
0.99615	125	10	1.1	0.1	0.00385
0.99836	125	10	1.2	0.1	0.00164

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.99939	125	10	1.3	0.1	0.00061
0.99981	125	10	1.4	0.1	0.00019
0.99996	125	10	1.5	0.1	0.00004
0.99999	125	10	1.6	0.1	0.00001
1	125	10	1.7	0.1	0
1	125	10	1.8	0.1	0
0.2	125	10	0	0.2	0.8
0.38683	125	10	0.1	0.2	0.61317
0.61057	125	10	0.2	0.2	0.38943
0.76566	125	10	0.3	0.2	0.23434
0.86295	125	10	0.4	0.2	0.13705
0.9217	125	10	0.5	0.2	0.0783
0.95638	125	10	0.6	0.2	0.04362
0.97642	125	10	0.7	0.2	0.02358
0.98772	125	10	0.8	0.2	0.01228
0.9939	125	10	0.9	0.2	0.0061
0.99715	125	10	1	0.2	0.00285
0.99877	125	10	1.1	0.2	0.00123
0.99952	125	10	1.2	0.2	0.00048
0.99984	125	10	1.3	0.2	0.00016
0.99996	125	10	1.4	0.2	0.00004
0.99999	125	10	1.5	0.2	0.00001
1	125	10	1.6	0.2	0
1	125	10	1.7	0.2	0
1	125	10	1.8	0.2	0
0.1	125	20	0	0.1	0.9
0.42108	125	20	0.1	0.1	0.57892
0.7555	125	20	0.2	0.1	0.2445
0.9138	125	20	0.3	0.1	0.0862
0.97258	125	20	0.4	0.1	0.02742
0.99193	125	20	0.5	0.1	0.00807
0.99779	125	20	0.6	0.1	0.00221
0.99944	125	20	0.7	0.1	0.00056

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.99987	125	20	0.8	0.1	0.00013
0.99997	125	20	0.9	0.1	0.00003
1	125	20	1	0.1	0
1	125	20	1.1	0.1	0
1	125	20	1.2	0.1	0
1	125	20	1.3	0.1	0
1	125	20	1.4	0.1	0
1	125	20	1.5	0.1	0
1	125	20	1.6	0.1	0
1	125	20	1.7	0.1	0
1	125	20	1.8	0.1	0
0.2	125	20	0	0.2	0.8
0.56741	125	20	0.1	0.2	0.43259
0.85446	125	20	0.2	0.2	0.14554
0.958	125	20	0.3	0.2	0.042
0.9888	125	20	0.4	0.2	0.0112
0.99719	125	20	0.5	0.2	0.00281
0.99934	125	20	0.6	0.2	0.00066
0.99985	125	20	0.7	0.2	0.00015
0.99997	125	20	0.8	0.2	0.00003
0.99999	125	20	0.9	0.2	0.00001
1	125	20	1	0.2	0
1	125	20	1.1	0.2	0
1	125	20	1.2	0.2	0
1	125	20	1.3	0.2	0
1	125	20	1.4	0.2	0
1	125	20	1.5	0.2	0
1	125	20	1.6	0.2	0
1	125	20	1.7	0.2	0
1	125	20	1.8	0.2	0
0.1	125	50	0	0.1	0.9
0.70248	125	50	0.1	0.1	0.29752
0.96986	125	50	0.2	0.1	0.03014

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
0.99809	125	50	0.3	0.1	0.00191
0.9999	125	50	0.4	0.1	0.0001
1	125	50	0.5	0.1	0
1	125	50	0.6	0.1	0
1	125	50	0.7	0.1	0
1	125	50	0.8	0.1	0
1	125	50	0.9	0.1	0
1	125	50	1	0.1	0
1	125	50	1.1	0.1	0
1	125	50	1.2	0.1	0
1	125	50	1.3	0.1	0
1	125	50	1.4	0.1	0
1	125	50	1.5	0.1	0
1	125	50	1.6	0.1	0
1	125	50	1.7	0.1	0
1	125	50	1.8	0.1	0
0.2	125	50	0	0.2	0.8
0.81479	125	50	0.1	0.2	0.18521
0.98752	125	50	0.2	0.2	0.01248
0.99944	125	50	0.3	0.2	0.00056
0.99998	125	50	0.4	0.2	0.00002
1	125	50	0.5	0.2	0
1	125	50	0.6	0.2	0
1	125	50	0.7	0.2	0
1	125	50	0.8	0.2	0
1	125	50	0.9	0.2	0
1	125	50	1	0.2	0
1	125	50	1.1	0.2	0
1	125	50	1.2	0.2	0
1	125	50	1.3	0.2	0
1	125	50	1.4	0.2	0
1	125	50	1.5	0.2	0
1	125	50	1.6	0.2	0

(continued)

Table C-2. (continued)

POWER	N1	N2	DELTA	ALPHA	BETA
1	125	50	1.7	0.2	0
1	125	50	1.8	0.2	0

References

Conover, W.J. 1999. Practical Nonparametric Statistics, 3rd Ed. John Wiley and Sons. New York, New York.

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Appendix D

Other MACT Option RelRisk and Decision Rule Results

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Table D-1a. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 2 Floor SDL (Part 1 of 2)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
1	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	TEQ	0.10	1.6	0.06
2	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	HG	0.35	1.2	0.29
3	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	CD	0.29	1.2	0.24
4	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	PB	0.35	1.2	0.29
5	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	AS	-0.15	1.2	-0.13
6	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	BE	-0.20	1.2	-0.17
7	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	CR_6	-0.10	1.6	-0.06
8	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	CR_3	0.15	2.1	0.07
9	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	CL2	0.13	1.6	0.08
10	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	HCL	0.10	1.6	0.06
11	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	SB	0.05	1.2	0.04
12	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	NI	-0.15	1.6	-0.09
13	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	SE	-0.15	1.6	-0.09
14	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	BA	-0.15	1.3	-0.11
15	OPT 2 FLOOR SDL	MACT	INCIN	P2_LB	TL	-0.15	1.3	-0.11
16	OPT 2 FLOOR SDL	MACT	INCIN	P2_DRY_LB	TEQ	0.14	2.7	0.05
17	OPT 2 FLOOR SDL	MACT	INCIN	P2_NOTDRY_LB	TEQ	0.09	1.7	0.05
18	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	TEQ	0.00	2.5	0.00
19	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	HG	-0.25	2.8	-0.09
20	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	CD	-0.25	2.8	-0.09
21	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	PB	0.00	3.0	0.00
22	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	AS	0.00	3.0	0.00
23	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	BE	0.00	2.0	0.00

(continued)

Table D-1a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
24	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	CR_6	0.00	2.0	0.00
25	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	CR_3	0.00	2.0	0.00
26	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	CL2	0.00	2.0	0.00
27	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	HCL	-0.50	1.5	-0.33
28	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	SB	-0.25	2.8	-0.09
29	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	NI	-0.50	2.0	-0.25
30	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	SE	-0.50	2.0	-0.25
31	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	BA	-0.25	2.8	-0.09
32	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB	TL	-0.25	2.8	-0.09
33	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	TEQ	0.04	3.1	0.01
34	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	HG	0.05	3.1	0.02
35	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	CD	0.00	3.3	0.00
36	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	PB	0.23	3.0	0.08
37	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	AS	0.00	3.3	0.00
38	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	BE	0.00	3.3	0.00
39	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	CR_6	-0.50	2.0	-0.25
40	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	CR_3	-0.50	2.0	-0.25
41	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	CL2	0.30	2.7	0.11
42	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	HCL	0.25	2.5	0.10
43	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	SB	0.08	2.8	0.03
44	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	NI	-0.25	2.8	-0.09
45	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	SE	-0.30	3.1	-0.10
46	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	BA	0.00	3.3	0.00
47	OPT 2 FLOOR SDL	MACT	INCIN	P2_HAF	TL	-0.30	2.6	-0.11
48	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	TEQ	-0.01	1.6	-0.01

(continued)

Table D-1a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
49	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	HG	-0.25	1.3	-0.19
50	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CD	0.20	1.2	0.17
51	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	PB	0.25	1.2	0.21
52	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	AS	0.25	1.2	0.21
53	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	BE	0.20	1.2	0.17
54	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CR_6	0.20	1.3	0.15
55	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CR_3	0.20	1.3	0.15
56	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CL2	0.23	1.2	0.19
57	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	HCL	0.30	1.2	0.25
58	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	SB	0.00	1.6	0.00
59	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	NI	0.25	1.4	0.18
60	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	SE	0.00	1.9	0.00
61	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	BA	0.00	1.6	0.00
62	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	TL	0.00	1.6	0.00
63	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.33	2.5	-0.13
64	OPT 2 FLOOR SDL	MACT	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.00	1.8	0.00
65	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	TEQ	0.43	2.9	0.15
66	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	HG	0.29	2.9	0.10
67	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	CD	0.24	3.1	0.08
68	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	PB	0.24	3.1	0.08
69	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	AS	0.24	3.3	0.07
70	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	BE	0.24	3.1	0.08
71	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00
72	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
73	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	CL2	-0.01	3.8	0.00

(continued)

Table D-1a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
74	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	HCL	0.24	3.1	0.08
75	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	SB	-0.01	3.8	0.00
76	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	NI	-0.01	3.8	0.00
77	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
78	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
79	OPT 2 FLOOR SDL	MACT	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
80	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	TEQ	-0.50	1.5	-0.33
81	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
82	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CD	0.50	1.5	0.33
83	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
84	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
85	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
86	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
87	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
88	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CL2	0.00	2.0	0.00
89	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	HCL	-0.50	1.5	-0.33
90	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
91	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
92	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
93	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
94	OPT 2 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
95	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	TEQ	0.10	1.6	0.06
96	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	HG	0.10	1.4	0.07
97	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	CD	0.04	1.4	0.03
98	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	PB	0.36	1.4	0.25

(continued)

Table D-1a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
99	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	AS	-0.15	1.2	-0.13
100	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	BE	-0.20	1.2	-0.17
101	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	CR_6	0.10	1.9	0.05
102	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	CR_3	0.15	1.8	0.08
103	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	CL2	0.20	1.6	0.13
104	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	HCL	-0.15	1.4	-0.11
105	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	SB	-0.15	1.2	-0.13
106	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	NI	-0.15	1.5	-0.10
107	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	SE	-0.15	1.6	-0.09
108	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	BA	-0.15	1.2	-0.13
109	OPT 2 FLOOR SDL	MACT	INCIN	P2_SB_LB	TL	-0.15	1.2	-0.13
110	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TEQ	0.13	3.5	0.04
111	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HG	0.30	3.0	0.10
112	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CD	0.25	3.1	0.08
113	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	PB	0.24	3.1	0.08
114	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	AS	0.00	3.9	0.00
115	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BE	0.25	3.1	0.08
116	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
117	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.25	3.1	0.08
118	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CL2	0.00	3.9	0.00
119	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.20	3.0	0.07
120	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
121	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
122	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
123	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00

(continued)

Table D-1a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
124	OPT 2 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00
125	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	TEQ	0.19	1.6	0.12
126	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	HG	0.00	1.6	0.00
127	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CD	0.25	1.3	0.19
128	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	PB	0.25	1.3	0.19
129	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	AS	0.25	1.3	0.19
130	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	BE	0.20	1.6	0.13
131	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_6	0.25	1.7	0.14
132	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_3	0.25	1.7	0.14
133	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CL2	0.23	1.6	0.14
134	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	HCL	0.25	1.2	0.21
135	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	SB	0.38	1.4	0.26
136	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	NI	0.30	1.7	0.18
137	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	SE	0.31	1.6	0.20
138	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	BA	0.31	1.6	0.19
139	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	TL	0.25	1.8	0.14
140	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.08	3.0	-0.02
141	OPT 2 FLOOR SDL	BASELINE	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.20	1.7	0.12
142	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	TEQ	0.43	2.9	0.15
143	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	HG	-0.01	3.8	0.00
144	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CD	0.24	3.1	0.08
145	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	PB	0.24	3.1	0.08
146	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	AS	-0.01	3.8	0.00
147	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	BE	0.24	3.1	0.08
148	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00

(continued)

Table D-1a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
149	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
150	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CL2	-0.01	3.8	0.00
151	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	HCL	0.29	2.9	0.10
152	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	SB	-0.01	3.8	0.00
153	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	NI	0.24	3.6	0.07
154	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
155	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
156	OPT 2 FLOOR SDL	BASELINE	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
157	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	TEQ	0.00	2.0	0.00
158	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
159	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CD	0.50	1.5	0.33
160	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
161	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
162	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
163	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
164	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
165	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CL2	0.50	1.5	0.33
166	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	HCL	0.50	1.5	0.33
167	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
168	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
169	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
170	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
171	OPT 2 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
172	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TEQ	0.13	3.5	0.04
173	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HG	0.00	3.9	0.00

(continued)

Table D-1a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
174	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CD	0.25	3.1	0.08
175	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	PB	0.24	3.1	0.08
176	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	AS	0.00	3.9	0.00
177	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BE	0.25	3.1	0.08
178	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
179	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.25	3.1	0.08
180	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CL2	0.25	3.4	0.07
181	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.25	3.1	0.08
182	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
183	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
184	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
185	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00
186	OPT 2 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00

Table D-1b. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 2 Floor SDL (Part 2 of 2)

							90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
1	0.83	0.03	0.01	0.13	0.00	3.0E+00	8.0E+00	4.0E+00	1.7E+00			
2	0.60	0.28	0.01	0.12	0.00	2.9E-01	3.0E+02	1.0E+02	5.0E+01			
3	0.58	0.28	0.03	0.12	0.00	1.2E-01	5.0E+03	2.5E+03	5.0E+02			
4	0.59	0.28	0.01	0.12	0.00	3.6E-01	5.0E+02	5.0E+02	3.0E+02			
5	0.55	0.03	0.26	0.17	0.00	4.3E+01	5.0E+02	5.0E+02	5.0E+02			
6	0.56	0.03	0.28	0.13	0.00	7.6E+00	2.0E+04	1.0E+04	1.0E+04			
7	0.58	0.04	0.26	0.12	0.00	3.0E+01	2.0E+03	1.0E+03	2.0E+02			
8	0.83	0.04	0.01	0.12	0.00	4.0E+00	1.0E+07	1.0E+07	5.0E+06			
9	0.78	0.06	0.03	0.13	0.00	1.9E+00	2.0E+02	6.0E+01	1.0E+01			
10	0.85	0.03	0.01	0.12	0.00	9.4E+00	1.0E+03	1.0E+03	5.0E+02			
11	0.83	0.03	0.03	0.12	0.00	1.2E+00	3.0E+02	3.0E+02	1.0E+02			
12	0.58	0.03	0.26	0.13	0.00	4.3E+01	3.0E+04	1.0E+04	5.0E+03			
13	0.60	0.03	0.26	0.12	0.00	2.7E+01	3.0E+04	2.0E+04	1.0E+04			
14	0.58	0.03	0.26	0.13	0.00	6.4E+03	5.0E+04	3.0E+04	1.0E+04			
15	0.58	0.03	0.26	0.13	0.00	2.7E+02	3.0E+04	2.0E+03	1.0E+03			
16	0.56	0.04	0.06	0.06	0.28	9.2E+00	8.0E+00	4.0E+00	1.7E+00	1.2E+00	2.3E+00	5.4E+00
17	0.80	0.03	0.01	0.16	0.00	1.8E+00	8.0E+00	4.0E+00	1.7E+00			
18	0.62	0.00	0.00	0.03	0.36	N/A	N/A	N/A	N/A			
19	0.52	0.00	0.25	0.03	0.21	4.7E+01	3.0E+02	1.0E+02	5.0E+01			
20	0.52	0.00	0.25	0.03	0.21	2.7E+02	5.0E+03	2.5E+03	5.0E+02			
21	0.77	0.00	0.00	0.03	0.21	1.2E+02	5.0E+02	5.0E+02	3.0E+02			
22	0.75	0.00	0.00	0.03	0.23	3.5E+02	5.0E+02	5.0E+02	5.0E+02			
23	0.60	0.00	0.00	0.03	0.37	6.4E+02	2.0E+04	1.0E+04	1.0E+04			

(continued)

Table D-1b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
24	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
25	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
26	0.60	0.00	0.00	0.03	0.37	2.8E+01	2.0E+02	6.0E+01	1.0E+01			2.8E+00
27	0.35	0.00	0.25	0.03	0.37	7.0E+02	1.0E+03	1.0E+03	5.0E+02			1.4E+00
28	0.52	0.00	0.25	0.03	0.21	9.3E+02	3.0E+02	3.0E+02	1.0E+02	3.1E+00	3.1E+00	9.3E+00
29	0.30	0.00	0.25	0.03	0.42	2.0E+02	3.0E+04	1.0E+04	5.0E+03			
30	0.30	0.00	0.25	0.03	0.42	N/A	N/A	N/A	N/A			
31	0.52	0.00	0.25	0.03	0.21	1.4E+04	5.0E+04	3.0E+04	1.0E+04			1.4E+00
32	0.52	0.00	0.25	0.03	0.21	3.7E+03	3.0E+04	2.0E+03	1.0E+03		1.9E+00	3.7E+00
33	0.84	0.02	0.01	0.13	0.00	2.0E+02	8.0E+00	4.0E+00	1.7E+00	2.5E+01	5.0E+01	1.2E+02
34	0.82	0.02	0.00	0.16	0.00	1.8E+00	3.0E+02	1.0E+02	5.0E+01			
35	0.86	0.00	0.00	0.14	0.00	1.8E+01	5.0E+03	2.5E+03	5.0E+02			
36	0.61	0.25	0.01	0.13	0.00	7.9E-01	5.0E+02	5.0E+02	3.0E+02			
37	0.86	0.00	0.00	0.14	0.00	4.1E+00	5.0E+02	5.0E+02	5.0E+02			
38	0.82	0.00	0.00	0.18	0.00	3.9E+00	2.0E+04	1.0E+04	1.0E+04			
39	0.34	0.00	0.25	0.14	0.27	4.9E+00	2.0E+03	1.0E+03	2.0E+02			
40	0.34	0.00	0.25	0.14	0.27	2.1E+00	1.0E+07	1.0E+07	5.0E+06			
41	0.55	0.27	0.00	0.18	0.00	2.4E+00	2.0E+02	6.0E+01	1.0E+01			
42	0.61	0.25	0.00	0.14	0.00	1.5E-01	1.0E+03	1.0E+03	5.0E+02			
43	0.73	0.04	0.02	0.19	0.02	6.5E+00	3.0E+02	3.0E+02	1.0E+02			
44	0.61	0.00	0.25	0.14	0.00	2.3E+01	3.0E+04	1.0E+04	5.0E+03			
45	0.54	0.00	0.27	0.19	0.00	2.0E+02	3.0E+04	2.0E+04	1.0E+04			
46	0.86	0.00	0.00	0.14	0.00	2.6E+02	5.0E+04	3.0E+04	1.0E+04			
47	0.59	0.00	0.27	0.14	0.00	7.3E+00	3.0E+04	2.0E+03	1.0E+03			
48	0.98	0.00	0.00	0.02	0.00	1.3E+00	8.0E+00	4.0E+00	1.7E+00			

(continued)

Table D-1b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
49	0.74	0.00	0.25	0.01	0.00	2.0E+00	3.0E+02	1.0E+02	5.0E+01			
50	0.72	0.25	0.02	0.01	0.00	7.8E-02	5.0E+03	2.5E+03	5.0E+02			
51	0.74	0.25	0.00	0.01	0.00	8.1E-02	5.0E+02	5.0E+02	3.0E+02			
52	0.74	0.25	0.00	0.01	0.00	7.3E-01	5.0E+02	5.0E+02	5.0E+02			
53	0.72	0.25	0.02	0.01	0.00	3.6E-01	2.0E+04	1.0E+04	1.0E+04			
54	0.70	0.25	0.02	0.03	0.00	1.2E+00	2.0E+03	1.0E+03	2.0E+02			
55	0.72	0.25	0.02	0.01	0.00	6.3E-01	1.0E+07	1.0E+07	5.0E+06			
56	0.70	0.27	0.02	0.01	0.00	3.0E-02	2.0E+02	6.0E+01	1.0E+01			
57	0.72	0.27	0.00	0.01	0.00	2.2E-02	1.0E+03	1.0E+03	5.0E+02			
58	0.99	0.00	0.00	0.01	0.00	9.9E-01	3.0E+02	3.0E+02	1.0E+02			
59	0.74	0.25	0.00	0.01	0.00	9.3E-01	3.0E+04	1.0E+04	5.0E+03			
60	0.99	0.00	0.00	0.01	0.00	2.5E+00	3.0E+04	2.0E+04	1.0E+04			
61	0.99	0.00	0.00	0.01	0.00	1.2E+00	5.0E+04	3.0E+04	1.0E+04			
62	0.99	0.00	0.00	0.01	0.00	7.7E-01	3.0E+04	2.0E+03	1.0E+03			
63	0.70	0.00	0.27	0.03	0.00	3.1E+00	8.0E+00	4.0E+00	1.7E+00			1.8E+00
64	0.91	0.00	0.00	0.09	0.00	1.3E+00	8.0E+00	4.0E+00	1.7E+00			
65	0.69	0.31	0.00	0.00	0.00	4.7E-01	1.7E+00	8.0E-01	3.0E-01			
66	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	1.7E+00			
67	0.74	0.25	0.00	0.00	0.00	3.5E-01	2.0E+03	1.0E+03	5.0E+02			
68	0.71	0.25	0.00	0.04	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
69	0.74	0.25	0.00	0.00	0.00	2.9E-01	2.0E+03	1.0E+03	1.0E+03			
70	0.74	0.25	0.00	0.00	0.00	8.9E-02	3.0E+04	2.0E+04	1.0E+04			
71	0.94	0.00	0.00	0.05	0.00	5.8E-01	1.0E+04	1.0E+04	5.0E+03			
72	0.74	0.25	0.00	0.00	0.00	1.4E-01	5.0E+06	2.0E+06	1.0E+06			
73	0.99	0.00	0.00	0.00	0.00	5.0E-01	4.0E+01	2.0E+01	2.0E+01			

(continued)

Table D-1b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
74	0.74	0.25	0.00	0.00	0.00	3.1E-01	3.0E+02	3.0E+02	2.0E+02			
75	0.99	0.00	0.00	0.00	0.00	3.6E-01	1.0E+03	1.0E+03	N/A			
76	0.96	0.00	0.00	0.04	0.00	4.6E-01	1.0E+04	5.0E+03	3.0E+03			
77	0.99	0.00	0.00	0.00	0.00	1.3E+00	2.0E+03	1.0E+03	1.0E+03			
78	0.99	0.00	0.00	0.00	0.00	1.1E+00	2.0E+03	1.0E+03	1.0E+03			
79	0.99	0.00	0.00	0.00	0.00	1.5E+00	5.0E+02	1.0E+02	5.0E+01			
80	0.25	0.00	0.25	0.00	0.50	1.0E+01	8.0E+00	3.0E+00	2.0E+00	1.3E+00	3.3E+00	5.0E+00
81	0.50	0.00	0.00	0.00	0.50	2.2E-01	5.0E+01	3.0E+01	N/A			
82	0.25	0.25	0.00	0.00	0.50	1.1E-01	5.0E+03	5.0E+03	2.0E+03			
83	0.50	0.00	0.00	0.00	0.50	4.1E-01	1.0E+03	1.0E+03	1.0E+03			
84	0.50	0.00	0.00	0.00	0.50	7.3E-01	5.0E+03	5.0E+03	2.0E+03			
85	0.50	0.00	0.00	0.00	0.50	3.8E-01	1.0E+05	5.0E+04	3.0E+04			
86	0.50	0.00	0.00	0.00	0.50	1.4E+00	5.0E+03	5.0E+03	1.0E+03			
87	0.50	0.00	0.00	0.00	0.50	2.3E-01	1.0E+07	3.0E+06	2.0E+06			
88	0.50	0.00	0.00	0.00	0.50	4.6E-01	2.0E+02	6.0E+01	6.0E+01			
89	0.25	0.00	0.25	0.00	0.50	2.5E+00	1.0E+02	1.0E+02	5.0E+01			
90	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
91	0.50	0.00	0.00	0.00	0.50	2.6E-01	3.0E+03	1.0E+03	1.0E+03			
92	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
93	0.50	0.00	0.00	0.00	0.50	3.3E-01	3.0E+04	2.0E+04	1.0E+04			
94	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
95	0.83	0.03	0.01	0.14	0.00	2.8E+00	8.0E+00	4.0E+00	1.7E+00			
96	0.86	0.03	0.01	0.11	0.00	3.6E-01	3.0E+02	1.0E+02	5.0E+01			
97	0.84	0.03	0.03	0.11	0.00	3.3E-01	5.0E+03	2.5E+03	5.0E+02			
98	0.60	0.28	0.01	0.11	0.00	2.1E-01	5.0E+02	5.0E+02	3.0E+02			

(continued)

Table D-1b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
99	0.59	0.03	0.26	0.13	0.00	4.3E+01	5.0E+02	5.0E+02	5.0E+02			
100	0.59	0.03	0.28	0.11	0.00	1.1E+01	2.0E+04	1.0E+04	1.0E+04			
101	0.86	0.03	0.01	0.11	0.00	9.6E+01	2.0E+03	1.0E+03	2.0E+02			
102	0.84	0.04	0.01	0.11	0.00	1.6E+02	1.0E+07	1.0E+07	5.0E+06			
103	0.82	0.06	0.01	0.11	0.00	1.9E+00	2.0E+02	6.0E+01	1.0E+01			
104	0.61	0.03	0.26	0.11	0.00	5.0E+01	1.0E+03	1.0E+03	5.0E+02			
105	0.61	0.03	0.26	0.11	0.00	6.0E+00	3.0E+02	3.0E+02	1.0E+02			
106	0.61	0.03	0.26	0.11	0.00	4.3E+01	3.0E+04	1.0E+04	5.0E+03			
107	0.61	0.03	0.26	0.11	0.00	2.7E+01	3.0E+04	2.0E+04	1.0E+04			
108	0.59	0.03	0.26	0.13	0.00	6.4E+03	5.0E+04	3.0E+04	1.0E+04			
109	0.59	0.03	0.26	0.13	0.00	2.7E+02	3.0E+04	2.0E+03	1.0E+03			
110	0.96	0.04	0.00	0.00	0.00	8.6E-01	1.7E+00	8.0E-01	3.0E-01			
111	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	N/A			
112	0.75	0.25	0.00	0.00	0.00	3.5E-01	2.0E+03	1.0E+03	5.0E+02			
113	0.71	0.25	0.00	0.03	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
114	1.00	0.00	0.00	0.00	0.00	5.7E-01	2.0E+03	1.0E+03	1.0E+03			
115	0.75	0.25	0.00	0.00	0.00	8.9E-02	3.0E+04	2.0E+04	1.0E+04			
116	0.98	0.00	0.00	0.02	0.00	2.6E-01	5.0E+03	5.0E+03	1.0E+03			
117	0.75	0.25	0.00	0.00	0.00	1.4E-01	5.0E+06	2.0E+06	1.0E+06			
118	0.98	0.00	0.00	0.02	0.00	4.6E-01	4.0E+01	2.0E+01	2.0E+01			
119	0.73	0.25	0.02	0.00	0.00	5.0E-01	1.0E+02	1.0E+02	5.0E+01			
120	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
121	0.96	0.00	0.00	0.03	0.00	4.6E-01	3.0E+03	1.0E+03	1.0E+03			
122	1.00	0.00	0.00	0.00	0.00	1.6E+00	2.0E+03	1.0E+03	1.0E+03			
123	1.00	0.00	0.00	0.00	0.00	7.2E-01	2.0E+03	1.0E+03	1.0E+03			

(continued)

Table D-1b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
124	1.00	0.00	0.00	0.00	0.00	1.9E+00	5.0E+02	1.0E+02	5.0E+01			
125	0.71	0.25	0.02	0.02	0.00	8.8E-02	1.7E+00	8.0E-01	1.7E-01			
126	0.99	0.00	0.00	0.01	0.00	4.6E-01	3.0E+02	1.0E+02	5.0E+01			
127	0.74	0.25	0.00	0.01	0.00	2.8E-02	5.0E+02	5.0E+02	2.0E+01			
128	0.74	0.25	0.00	0.01	0.00	1.1E-02	1.0E+01	1.0E+01	8.0E+00			
129	0.74	0.25	0.00	0.01	0.00	8.7E-02	1.0E+02	1.0E+02	5.0E+01			
130	0.72	0.25	0.02	0.01	0.00	4.7E-01	1.0E+04	1.0E+04	3.0E+03			
131	0.70	0.25	0.00	0.04	0.00	2.8E-02	5.0E+02	1.0E+02	2.0E+01			
132	0.72	0.25	0.00	0.03	0.00	1.8E-02	3.0E+06	2.0E+06	1.0E+06			
133	0.67	0.27	0.02	0.04	0.00	4.5E-01	2.0E+01	2.0E+01	5.0E+00			
134	0.74	0.25	0.00	0.01	0.00	4.4E-01	1.0E+03	2.0E+02	1.0E+02			
135	0.70	0.29	0.00	0.01	0.00	1.1E-01	5.0E+01	5.0E+01	N/A			
136	0.72	0.27	0.00	0.01	0.00	1.0E-01	2.0E+04	1.0E+04	1.0E+03			
137	0.72	0.27	0.00	0.01	0.00	1.4E+00	3.0E+04	2.0E+04	1.0E+04			
138	0.72	0.27	0.00	0.01	0.00	3.2E-01	1.0E+04	5.0E+03	5.0E+03			
139	0.72	0.25	0.00	0.03	0.00	9.5E-02	1.0E+04	1.0E+03	1.0E+02			
140	0.95	0.00	0.02	0.03	0.00	1.3E+00	1.7E+00	8.0E-01	1.7E-01		1.7E+00	7.8E+00
141	0.69	0.25	0.02	0.04	0.00	4.1E-02	1.7E+00	8.0E-01	1.7E-01			
142	0.69	0.31	0.00	0.00	0.00	2.4E-01	8.0E-01	5.0E-01	2.0E-01			
143	0.99	0.00	0.00	0.00	0.00	8.9E-01	3.0E+00	2.0E+00	1.3E+00			
144	0.74	0.25	0.00	0.00	0.00	1.3E-01	5.0E+02	3.0E+02	1.0E+02			
145	0.73	0.25	0.00	0.02	0.00	5.3E-02	3.0E+01	2.0E+01	2.0E+01			
146	0.99	0.00	0.00	0.00	0.00	9.5E-01	1.0E+03	1.0E+03	5.0E+02			
147	0.74	0.25	0.00	0.00	0.00	1.5E-01	2.0E+04	2.0E+04	1.0E+04			
148	0.94	0.00	0.00	0.05	0.00	8.5E-01	1.0E+04	1.0E+04	3.0E+03			

(continued)

Table D-1b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
149	0.74	0.25	0.00	0.00	0.00	4.5E-01	5.0E+06	2.0E+06	1.0E+06			
150	0.97	0.00	0.00	0.02	0.00	6.3E-01	2.0E+01	2.0E+01	1.0E+01			
151	0.73	0.27	0.00	0.00	0.00	5.6E-01	3.0E+02	2.0E+02	1.0E+02			
152	0.99	0.00	0.00	0.00	0.00	2.1E-01	1.0E+03	1.0E+03	N/A			
153	0.71	0.25	0.00	0.04	0.00	3.8E-01	1.0E+04	5.0E+03	3.0E+03			
154	0.99	0.00	0.00	0.00	0.00	1.4E+00	2.0E+03	1.0E+03	1.0E+03			
155	0.94	0.00	0.00	0.05	0.00	7.3E-01	2.0E+03	1.0E+03	1.0E+03			
156	0.99	0.00	0.00	0.00	0.00	9.2E-01	5.0E+02	1.0E+02	3.0E+01			
157	0.50	0.00	0.00	0.00	0.50	1.9E+00	4.0E-01	2.0E-01	8.0E-02	4.8E+00	9.6E+00	2.4E+01
158	0.50	0.00	0.00	0.00	0.50	2.1E-01	5.0E+01	2.0E+01	N/A			
159	0.25	0.25	0.00	0.00	0.50	4.1E-02	2.0E+03	1.0E+03	1.0E+03			
160	0.50	0.00	0.00	0.00	0.50	2.0E-01	5.0E+02	5.0E+02	3.0E+02			
161	0.50	0.00	0.00	0.00	0.50	6.2E-01	3.0E+03	2.0E+03	1.0E+03			
162	0.50	0.00	0.00	0.00	0.50	3.1E-01	5.0E+04	5.0E+04	2.0E+04			
163	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+03	2.0E+03	1.0E+03			
164	0.50	0.00	0.00	0.00	0.50	9.4E-02	3.0E+06	2.0E+06	1.0E+06			
165	0.25	0.25	0.00	0.00	0.50	6.8E-02	1.0E+02	6.0E+01	2.0E+01			
166	0.25	0.25	0.00	0.00	0.50	2.9E-01	5.0E+01	3.0E+01	2.0E+01			
167	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
168	0.50	0.00	0.00	0.00	0.50	2.3E-01	3.0E+03	1.0E+03	1.0E+03			
169	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
170	0.50	0.00	0.00	0.00	0.50	3.3E-01	2.0E+04	2.0E+04	1.0E+04			
171	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
172	0.96	0.04	0.00	0.00	0.00	7.6E-01	4.0E-01	2.0E-01	8.0E-02			
173	1.00	0.00	0.00	0.00	0.00	7.5E-01	3.0E+00	2.0E+00	N/A			

(continued)

Table D-1b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
174	0.75	0.25	0.00	0.00	0.00	1.3E-01	5.0E+02	3.0E+02	1.0E+02			
175	0.74	0.25	0.00	0.00	0.00	5.3E-02	3.0E+01	2.0E+01	2.0E+01			
176	1.00	0.00	0.00	0.00	0.00	6.8E-01	1.0E+03	1.0E+03	5.0E+02			
177	0.71	0.25	0.00	0.03	0.00	1.5E-01	2.0E+04	2.0E+04	1.0E+04			
178	0.95	0.00	0.00	0.05	0.00	3.0E-01	3.0E+03	2.0E+03	1.0E+03			
179	0.75	0.25	0.00	0.00	0.00	4.5E-01	3.0E+06	2.0E+06	1.0E+06			
180	0.75	0.25	0.00	0.00	0.00	4.3E+00	2.0E+01	2.0E+01	1.0E+01			
181	0.75	0.25	0.00	0.00	0.00	4.5E-01	5.0E+01	3.0E+01	2.0E+01			
182	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
183	0.96	0.00	0.00	0.03	0.00	3.8E-01	3.0E+03	1.0E+03	1.0E+03			
184	1.00	0.00	0.00	0.00	0.00	1.6E+00	2.0E+03	1.0E+03	1.0E+03			
185	0.95	0.00	0.00	0.05	0.00	5.8E-01	2.0E+03	1.0E+03	1.0E+03			
186	1.00	0.00	0.00	0.00	0.00	1.7E+00	5.0E+02	1.0E+02	3.0E+01			

Table D-2a. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 2D SDL (Part 1 of 2)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
1	OPT 2D SDL	MACT	INCIN	P2_LB	TEQ	0.10	1.6	0.06
2	OPT 2D SDL	MACT	INCIN	P2_LB	HG	0.35	1.2	0.29
3	OPT 2D SDL	MACT	INCIN	P2_LB	CD	0.29	1.2	0.24
4	OPT 2D SDL	MACT	INCIN	P2_LB	PB	0.35	1.2	0.29
5	OPT 2D SDL	MACT	INCIN	P2_LB	AS	-0.15	1.2	-0.13
6	OPT 2D SDL	MACT	INCIN	P2_LB	BE	-0.20	1.2	-0.17
7	OPT 2D SDL	MACT	INCIN	P2_LB	CR_6	-0.10	1.6	-0.06
8	OPT 2D SDL	MACT	INCIN	P2_LB	CR_3	0.15	2.1	0.07
9	OPT 2D SDL	MACT	INCIN	P2_LB	CL2	0.13	1.6	0.08
10	OPT 2D SDL	MACT	INCIN	P2_LB	HCL	0.10	1.6	0.06
11	OPT 2D SDL	MACT	INCIN	P2_LB	SB	0.05	1.2	0.04
12	OPT 2D SDL	MACT	INCIN	P2_LB	NI	-0.15	1.6	-0.09
13	OPT 2D SDL	MACT	INCIN	P2_LB	SE	-0.15	1.6	-0.09
14	OPT 2D SDL	MACT	INCIN	P2_LB	BA	-0.15	1.3	-0.11
15	OPT 2D SDL	MACT	INCIN	P2_LB	TL	-0.15	1.3	-0.11
16	OPT 2D SDL	MACT	INCIN	P2_DRY_LB	TEQ	0.14	2.7	0.05
17	OPT 2D SDL	MACT	INCIN	P2_NOTDRY_LB	TEQ	0.09	1.7	0.05
18	OPT 2D SDL	MACT	INCIN	P2_SB	TEQ	0.00	2.5	0.00
19	OPT 2D SDL	MACT	INCIN	P2_SB	HG	-0.25	2.8	-0.09
20	OPT 2D SDL	MACT	INCIN	P2_SB	CD	-0.25	2.8	-0.09
21	OPT 2D SDL	MACT	INCIN	P2_SB	PB	0.00	3.0	0.00
22	OPT 2D SDL	MACT	INCIN	P2_SB	AS	0.00	3.0	0.00
23	OPT 2D SDL	MACT	INCIN	P2_SB	BE	0.00	2.0	0.00

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
24	OPT 2D SDL	MACT	INCIN	P2_SB	CR_6	0.00	2.0	0.00
25	OPT 2D SDL	MACT	INCIN	P2_SB	CR_3	0.00	2.0	0.00
26	OPT 2D SDL	MACT	INCIN	P2_SB	CL2	0.00	2.0	0.00
27	OPT 2D SDL	MACT	INCIN	P2_SB	HCL	-0.50	1.5	-0.33
28	OPT 2D SDL	MACT	INCIN	P2_SB	SB	-0.25	2.8	-0.09
29	OPT 2D SDL	MACT	INCIN	P2_SB	NI	-0.50	2.0	-0.25
30	OPT 2D SDL	MACT	INCIN	P2_SB	SE	-0.50	2.0	-0.25
31	OPT 2D SDL	MACT	INCIN	P2_SB	BA	-0.25	2.8	-0.09
32	OPT 2D SDL	MACT	INCIN	P2_SB	TL	-0.25	2.8	-0.09
33	OPT 2D SDL	MACT	INCIN	P2_HAF	TEQ	0.04	3.1	0.01
34	OPT 2D SDL	MACT	INCIN	P2_HAF	HG	0.05	3.1	0.02
35	OPT 2D SDL	MACT	INCIN	P2_HAF	CD	0.00	3.3	0.00
36	OPT 2D SDL	MACT	INCIN	P2_HAF	PB	0.23	3.0	0.08
37	OPT 2D SDL	MACT	INCIN	P2_HAF	AS	0.00	3.3	0.00
38	OPT 2D SDL	MACT	INCIN	P2_HAF	BE	0.00	3.3	0.00
39	OPT 2D SDL	MACT	INCIN	P2_HAF	CR_6	-0.50	2.0	-0.25
40	OPT 2D SDL	MACT	INCIN	P2_HAF	CR_3	-0.50	2.0	-0.25
41	OPT 2D SDL	MACT	INCIN	P2_HAF	CL2	0.30	2.7	0.11
42	OPT 2D SDL	MACT	INCIN	P2_HAF	HCL	0.25	2.5	0.10
43	OPT 2D SDL	MACT	INCIN	P2_HAF	SB	0.08	2.8	0.03
44	OPT 2D SDL	MACT	INCIN	P2_HAF	NI	-0.25	2.8	-0.09
45	OPT 2D SDL	MACT	INCIN	P2_HAF	SE	-0.30	3.1	-0.10
46	OPT 2D SDL	MACT	INCIN	P2_HAF	BA	0.00	3.3	0.00
47	OPT 2D SDL	MACT	INCIN	P2_HAF	TL	-0.30	2.6	-0.11
48	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	TEQ	-0.01	1.6	-0.01

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
49	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	HG	-0.25	1.3	-0.19
50	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	CD	0.20	1.2	0.17
51	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	PB	0.25	1.2	0.21
52	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	AS	0.25	1.2	0.21
53	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	BE	0.20	1.2	0.17
54	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	CR_6	0.20	1.3	0.15
55	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	CR_3	0.20	1.3	0.15
56	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	CL2	0.23	1.2	0.19
57	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	HCL	0.30	1.2	0.25
58	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	SB	0.00	1.6	0.00
59	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	NI	0.25	1.4	0.18
60	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	SE	0.00	1.9	0.00
61	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	BA	0.00	1.6	0.00
62	OPT 2D SDL	MACT	INCIN	NEW_P1_INCIN	TL	0.00	1.6	0.00
63	OPT 2D SDL	MACT	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.33	2.5	-0.13
64	OPT 2D SDL	MACT	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.00	1.8	0.00
65	OPT 2D SDL	MACT	CK	NEW_P1_CK	TEQ	0.43	2.9	0.15
66	OPT 2D SDL	MACT	CK	NEW_P1_CK	HG	0.29	2.9	0.10
67	OPT 2D SDL	MACT	CK	NEW_P1_CK	CD	0.24	3.1	0.08
68	OPT 2D SDL	MACT	CK	NEW_P1_CK	PB	0.24	3.1	0.08
69	OPT 2D SDL	MACT	CK	NEW_P1_CK	AS	0.24	3.3	0.07
70	OPT 2D SDL	MACT	CK	NEW_P1_CK	BE	0.24	3.1	0.08
71	OPT 2D SDL	MACT	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00
72	OPT 2D SDL	MACT	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
73	OPT 2D SDL	MACT	CK	NEW_P1_CK	CL2	-0.01	3.8	0.00

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
74	OPT 2D SDL	MACT	CK	NEW_P1_CK	HCL	0.24	3.1	0.08
75	OPT 2D SDL	MACT	CK	NEW_P1_CK	SB	-0.01	3.8	0.00
76	OPT 2D SDL	MACT	CK	NEW_P1_CK	NI	-0.01	3.8	0.00
77	OPT 2D SDL	MACT	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
78	OPT 2D SDL	MACT	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
79	OPT 2D SDL	MACT	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
80	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	TEQ	0.00	2.0	0.00
81	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
82	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	CD	0.50	1.5	0.33
83	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
84	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
85	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
86	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
87	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
88	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	CL2	0.00	2.0	0.00
89	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	HCL	0.00	2.0	0.00
90	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
91	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
92	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
93	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
94	OPT 2D SDL	MACT	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
95	OPT 2D SDL	MACT	INCIN	P2_SB_LB	TEQ	0.10	1.6	0.06
96	OPT 2D SDL	MACT	INCIN	P2_SB_LB	HG	0.10	1.4	0.07
97	OPT 2D SDL	MACT	INCIN	P2_SB_LB	CD	0.04	1.4	0.03
98	OPT 2D SDL	MACT	INCIN	P2_SB_LB	PB	0.36	1.4	0.25

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
99	OPT 2D SDL	MACT	INCIN	P2_SB_LB	AS	-0.15	1.2	-0.13
100	OPT 2D SDL	MACT	INCIN	P2_SB_LB	BE	-0.20	1.2	-0.17
101	OPT 2D SDL	MACT	INCIN	P2_SB_LB	CR_6	0.10	1.9	0.05
102	OPT 2D SDL	MACT	INCIN	P2_SB_LB	CR_3	0.15	1.8	0.08
103	OPT 2D SDL	MACT	INCIN	P2_SB_LB	CL2	0.20	1.6	0.13
104	OPT 2D SDL	MACT	INCIN	P2_SB_LB	HCL	-0.15	1.4	-0.11
105	OPT 2D SDL	MACT	INCIN	P2_SB_LB	SB	-0.20	1.2	-0.17
106	OPT 2D SDL	MACT	INCIN	P2_SB_LB	NI	-0.15	1.5	-0.10
107	OPT 2D SDL	MACT	INCIN	P2_SB_LB	SE	-0.15	1.6	-0.09
108	OPT 2D SDL	MACT	INCIN	P2_SB_LB	BA	-0.15	1.2	-0.13
109	OPT 2D SDL	MACT	INCIN	P2_SB_LB	TL	-0.15	1.2	-0.13
110	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TEQ	0.05	3.7	0.01
111	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HG	0.30	3.0	0.10
112	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CD	0.25	3.1	0.08
113	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	PB	0.24	3.1	0.08
114	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	AS	0.00	3.9	0.00
115	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BE	0.25	3.1	0.08
116	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
117	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.25	3.1	0.08
118	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CL2	0.00	3.9	0.00
119	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.25	3.1	0.08
120	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
121	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
122	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
123	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
124	OPT 2D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00
125	OPT 2D SDL	BASELINE	INCIN	P2_LB	TEQ	0.35	1.7	0.20
126	OPT 2D SDL	BASELINE	INCIN	P2_LB	HG	0.35	1.3	0.27
127	OPT 2D SDL	BASELINE	INCIN	P2_LB	CD	0.35	1.3	0.27
128	OPT 2D SDL	BASELINE	INCIN	P2_LB	PB	0.35	1.3	0.27
129	OPT 2D SDL	BASELINE	INCIN	P2_LB	AS	-0.15	1.6	-0.10
130	OPT 2D SDL	BASELINE	INCIN	P2_LB	BE	-0.20	1.3	-0.15
131	OPT 2D SDL	BASELINE	INCIN	P2_LB	CR_6	0.10	2.2	0.04
132	OPT 2D SDL	BASELINE	INCIN	P2_LB	CR_3	0.10	2.5	0.04
133	OPT 2D SDL	BASELINE	INCIN	P2_LB	CL2	0.20	1.6	0.13
134	OPT 2D SDL	BASELINE	INCIN	P2_LB	HCL	-0.15	1.5	-0.10
135	OPT 2D SDL	BASELINE	INCIN	P2_LB	SB	0.10	1.8	0.06
136	OPT 2D SDL	BASELINE	INCIN	P2_LB	NI	-0.15	1.7	-0.09
137	OPT 2D SDL	BASELINE	INCIN	P2_LB	SE	-0.15	1.7	-0.09
138	OPT 2D SDL	BASELINE	INCIN	P2_LB	BA	-0.15	1.6	-0.10
139	OPT 2D SDL	BASELINE	INCIN	P2_LB	TL	-0.15	1.6	-0.10
140	OPT 2D SDL	BASELINE	INCIN	P2_DRY_LB	TEQ	0.14	2.7	0.05
141	OPT 2D SDL	BASELINE	INCIN	P2_NOTDRY_LB	TEQ	0.29	1.7	0.17
142	OPT 2D SDL	BASELINE	INCIN	P2_SB	TEQ	0.00	2.5	0.00
143	OPT 2D SDL	BASELINE	INCIN	P2_SB	HG	0.00	3.0	0.00
144	OPT 2D SDL	BASELINE	INCIN	P2_SB	CD	0.00	3.0	0.00
145	OPT 2D SDL	BASELINE	INCIN	P2_SB	PB	0.00	3.0	0.00
146	OPT 2D SDL	BASELINE	INCIN	P2_SB	AS	0.00	3.0	0.00
147	OPT 2D SDL	BASELINE	INCIN	P2_SB	BE	0.00	2.0	0.00
148	OPT 2D SDL	BASELINE	INCIN	P2_SB	CR_6	0.00	2.0	0.00

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
149	OPT 2D SDL	BASELINE	INCIN	P2_SB	CR_3	0.00	2.0	0.00
150	OPT 2D SDL	BASELINE	INCIN	P2_SB	CL2	0.00	2.0	0.00
151	OPT 2D SDL	BASELINE	INCIN	P2_SB	HCL	-0.25	2.8	-0.09
152	OPT 2D SDL	BASELINE	INCIN	P2_SB	SB	-0.25	2.8	-0.09
153	OPT 2D SDL	BASELINE	INCIN	P2_SB	NI	0.00	2.0	0.00
154	OPT 2D SDL	BASELINE	INCIN	P2_SB	SE	0.00	2.0	0.00
155	OPT 2D SDL	BASELINE	INCIN	P2_SB	BA	-0.25	2.8	-0.09
156	OPT 2D SDL	BASELINE	INCIN	P2_SB	TL	-0.25	2.8	-0.09
157	OPT 2D SDL	BASELINE	INCIN	P2_HAF	TEQ	0.04	3.1	0.01
158	OPT 2D SDL	BASELINE	INCIN	P2_HAF	HG	0.25	2.8	0.09
159	OPT 2D SDL	BASELINE	INCIN	P2_HAF	CD	0.00	3.3	0.00
160	OPT 2D SDL	BASELINE	INCIN	P2_HAF	PB	0.23	2.7	0.08
161	OPT 2D SDL	BASELINE	INCIN	P2_HAF	AS	0.38	2.4	0.16
162	OPT 2D SDL	BASELINE	INCIN	P2_HAF	BE	0.25	2.8	0.09
163	OPT 2D SDL	BASELINE	INCIN	P2_HAF	CR_6	0.00	3.0	0.00
164	OPT 2D SDL	BASELINE	INCIN	P2_HAF	CR_3	0.00	3.0	0.00
165	OPT 2D SDL	BASELINE	INCIN	P2_HAF	CL2	-0.20	2.8	-0.07
166	OPT 2D SDL	BASELINE	INCIN	P2_HAF	HCL	0.00	3.3	0.00
167	OPT 2D SDL	BASELINE	INCIN	P2_HAF	SB	0.08	2.8	0.03
168	OPT 2D SDL	BASELINE	INCIN	P2_HAF	NI	0.00	3.3	0.00
169	OPT 2D SDL	BASELINE	INCIN	P2_HAF	SE	-0.05	3.1	-0.02
170	OPT 2D SDL	BASELINE	INCIN	P2_HAF	BA	0.00	3.3	0.00
171	OPT 2D SDL	BASELINE	INCIN	P2_HAF	TL	-0.05	3.1	-0.02
172	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	TEQ	0.19	1.6	0.12
173	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	HG	0.00	1.6	0.00

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
174	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	CD	0.25	1.3	0.19
175	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	PB	0.25	1.3	0.19
176	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	AS	0.25	1.3	0.19
177	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	BE	0.20	1.6	0.13
178	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_6	0.25	1.7	0.14
179	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_3	0.25	1.7	0.14
180	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	CL2	0.23	1.6	0.14
181	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	HCL	0.25	1.2	0.21
182	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	SB	0.38	1.4	0.26
183	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	NI	0.30	1.7	0.18
184	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	SE	0.31	1.6	0.20
185	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	BA	0.31	1.6	0.19
186	OPT 2D SDL	BASELINE	INCIN	NEW_P1_INCIN	TL	0.25	1.8	0.14
187	OPT 2D SDL	BASELINE	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.08	3.0	-0.02
188	OPT 2D SDL	BASELINE	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.20	1.7	0.12
189	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	TEQ	0.43	2.9	0.15
190	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	HG	-0.01	3.8	0.00
191	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	CD	0.24	3.1	0.08
192	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	PB	0.24	3.1	0.08
193	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	AS	-0.01	3.8	0.00
194	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	BE	0.24	3.1	0.08
195	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00
196	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
197	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	CL2	-0.01	3.8	0.00
198	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	HCL	0.29	2.9	0.10

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
199	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	SB	-0.01	3.8	0.00
200	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	NI	0.24	3.6	0.07
201	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
202	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
203	OPT 2D SDL	BASELINE	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
204	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	TEQ	0.00	2.0	0.00
205	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
206	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	CD	0.50	1.5	0.33
207	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
208	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
209	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
210	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
211	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
212	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	CL2	0.50	1.5	0.33
213	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	HCL	0.50	1.5	0.33
214	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
215	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
216	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
217	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
218	OPT 2D SDL	BASELINE	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
219	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	TEQ	0.35	1.7	0.20
220	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	HG	0.35	1.3	0.27
221	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	CD	0.35	1.3	0.27
222	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	PB	0.36	1.3	0.28
223	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	AS	-0.15	1.6	-0.10

(continued)

Table D-2a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
224	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	BE	-0.15	1.3	-0.11
225	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	CR_6	0.10	2.2	0.04
226	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	CR_3	0.10	2.2	0.04
227	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	CL2	0.20	1.6	0.13
228	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	HCL	-0.15	1.5	-0.10
229	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	SB	0.10	1.8	0.06
230	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	NI	-0.15	1.7	-0.09
231	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	SE	-0.15	1.7	-0.09
232	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	BA	-0.15	1.6	-0.10
233	OPT 2D SDL	BASELINE	INCIN	P2_SB_LB	TL	-0.15	1.6	-0.10
234	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TEQ	0.13	3.5	0.04
235	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HG	0.00	3.9	0.00
236	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CD	0.25	3.1	0.08
237	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	PB	0.24	3.1	0.08
238	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	AS	0.00	3.9	0.00
239	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BE	0.25	3.1	0.08
240	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
241	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.25	3.1	0.08
242	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CL2	0.25	3.4	0.07
243	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.25	3.1	0.08
244	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
245	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
246	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
247	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00
248	OPT 2D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00

Table D-2b. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 2D SDL (Part 2 of 2)

							90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
1	0.83	0.03	0.01	0.13	0.00	3.0E+00	8.0E+00	4.0E+00	1.7E+00			
2	0.60	0.28	0.01	0.12	0.00	2.9E-01	3.0E+02	1.0E+02	5.0E+01			
3	0.58	0.28	0.03	0.12	0.00	1.2E-01	5.0E+03	2.5E+03	5.0E+02			
4	0.59	0.28	0.01	0.12	0.00	3.6E-01	5.0E+02	5.0E+02	3.0E+02			
5	0.55	0.03	0.26	0.17	0.00	4.3E+01	5.0E+02	5.0E+02	5.0E+02			
6	0.56	0.03	0.28	0.13	0.00	7.6E+00	2.0E+04	1.0E+04	1.0E+04			
7	0.58	0.04	0.26	0.12	0.00	3.0E+01	2.0E+03	1.0E+03	2.0E+02			
8	0.83	0.04	0.01	0.12	0.00	4.0E+00	1.0E+07	1.0E+07	5.0E+06			
9	0.78	0.06	0.03	0.13	0.00	1.9E+00	2.0E+02	6.0E+01	1.0E+01			
10	0.85	0.03	0.01	0.12	0.00	9.4E+00	1.0E+03	1.0E+03	5.0E+02			
11	0.83	0.03	0.03	0.12	0.00	1.2E+00	3.0E+02	3.0E+02	1.0E+02			
12	0.58	0.03	0.26	0.13	0.00	4.3E+01	3.0E+04	1.0E+04	5.0E+03			
13	0.60	0.03	0.26	0.12	0.00	2.7E+01	3.0E+04	2.0E+04	1.0E+04			
14	0.58	0.03	0.26	0.13	0.00	6.4E+03	5.0E+04	3.0E+04	1.0E+04			
15	0.58	0.03	0.26	0.13	0.00	2.7E+02	3.0E+04	2.0E+03	1.0E+03			
16	0.56	0.04	0.06	0.06	0.28	2.0E+00	8.0E+00	4.0E+00	1.7E+00			1.2E+00
17	0.80	0.03	0.01	0.16	0.00	1.8E+00	8.0E+00	4.0E+00	1.7E+00			
18	0.62	0.00	0.00	0.03	0.36	N/A	N/A	N/A	N/A			
19	0.52	0.00	0.25	0.03	0.21	4.7E+01	3.0E+02	1.0E+02	5.0E+01			
20	0.52	0.00	0.25	0.03	0.21	1.6E+02	5.0E+03	2.5E+03	5.0E+02			
21	0.77	0.00	0.00	0.03	0.21	6.8E+01	5.0E+02	5.0E+02	3.0E+02			
22	0.75	0.00	0.00	0.03	0.23	2.2E+02	5.0E+02	5.0E+02	5.0E+02			
23	0.60	0.00	0.00	0.03	0.37	4.1E+02	2.0E+04	1.0E+04	1.0E+04			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
24	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
25	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
26	0.60	0.00	0.00	0.03	0.37	1.5E+01	2.0E+02	6.0E+01	1.0E+01			1.5E+00
27	0.35	0.00	0.25	0.03	0.37	4.0E+02	1.0E+03	1.0E+03	5.0E+02			
28	0.52	0.00	0.25	0.03	0.21	4.3E+02	3.0E+02	3.0E+02	1.0E+02	1.4E+00	1.4E+00	4.3E+00
29	0.30	0.00	0.25	0.03	0.42	1.1E+02	3.0E+04	1.0E+04	5.0E+03			
30	0.30	0.00	0.25	0.03	0.42	N/A	N/A	N/A	N/A			
31	0.52	0.00	0.25	0.03	0.21	6.7E+03	5.0E+04	3.0E+04	1.0E+04			
32	0.52	0.00	0.25	0.03	0.21	1.8E+03	3.0E+04	2.0E+03	1.0E+03			1.8E+00
33	0.84	0.02	0.01	0.13	0.00	2.6E+01	8.0E+00	4.0E+00	1.7E+00	3.2E+00	6.5E+00	1.5E+01
34	0.82	0.02	0.00	0.16	0.00	1.8E+00	3.0E+02	1.0E+02	5.0E+01			
35	0.86	0.00	0.00	0.14	0.00	1.8E+01	5.0E+03	2.5E+03	5.0E+02			
36	0.61	0.25	0.01	0.13	0.00	7.9E-01	5.0E+02	5.0E+02	3.0E+02			
37	0.86	0.00	0.00	0.14	0.00	4.1E+00	5.0E+02	5.0E+02	5.0E+02			
38	0.82	0.00	0.00	0.18	0.00	3.9E+00	2.0E+04	1.0E+04	1.0E+04			
39	0.34	0.00	0.25	0.14	0.27	4.9E+00	2.0E+03	1.0E+03	2.0E+02			
40	0.34	0.00	0.25	0.14	0.27	2.1E+00	1.0E+07	1.0E+07	5.0E+06			
41	0.55	0.27	0.00	0.18	0.00	2.4E+00	2.0E+02	6.0E+01	1.0E+01			
42	0.61	0.25	0.00	0.14	0.00	1.5E-01	1.0E+03	1.0E+03	5.0E+02			
43	0.73	0.04	0.02	0.19	0.02	6.5E+00	3.0E+02	3.0E+02	1.0E+02			
44	0.61	0.00	0.25	0.14	0.00	2.3E+01	3.0E+04	1.0E+04	5.0E+03			
45	0.54	0.00	0.27	0.19	0.00	2.0E+02	3.0E+04	2.0E+04	1.0E+04			
46	0.86	0.00	0.00	0.14	0.00	2.6E+02	5.0E+04	3.0E+04	1.0E+04			
47	0.59	0.00	0.27	0.14	0.00	7.3E+00	3.0E+04	2.0E+03	1.0E+03			
48	0.98	0.00	0.00	0.02	0.00	1.3E+00	8.0E+00	4.0E+00	1.7E+00			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
49	0.74	0.00	0.25	0.01	0.00	2.0E+00	3.0E+02	1.0E+02	5.0E+01			
50	0.72	0.25	0.02	0.01	0.00	7.8E-02	5.0E+03	2.5E+03	5.0E+02			
51	0.74	0.25	0.00	0.01	0.00	8.1E-02	5.0E+02	5.0E+02	3.0E+02			
52	0.74	0.25	0.00	0.01	0.00	7.3E-01	5.0E+02	5.0E+02	5.0E+02			
53	0.72	0.25	0.02	0.01	0.00	3.6E-01	2.0E+04	1.0E+04	1.0E+04			
54	0.70	0.25	0.02	0.03	0.00	1.2E+00	2.0E+03	1.0E+03	2.0E+02			
55	0.72	0.25	0.02	0.01	0.00	6.3E-01	1.0E+07	1.0E+07	5.0E+06			
56	0.70	0.27	0.02	0.01	0.00	3.0E-02	2.0E+02	6.0E+01	1.0E+01			
57	0.72	0.27	0.00	0.01	0.00	2.2E-02	1.0E+03	1.0E+03	5.0E+02			
58	0.99	0.00	0.00	0.01	0.00	9.9E-01	3.0E+02	3.0E+02	1.0E+02			
59	0.74	0.25	0.00	0.01	0.00	9.3E-01	3.0E+04	1.0E+04	5.0E+03			
60	0.99	0.00	0.00	0.01	0.00	2.5E+00	3.0E+04	2.0E+04	1.0E+04			
61	0.99	0.00	0.00	0.01	0.00	1.2E+00	5.0E+04	3.0E+04	1.0E+04			
62	0.99	0.00	0.00	0.01	0.00	7.7E-01	3.0E+04	2.0E+03	1.0E+03			
63	0.70	0.00	0.27	0.03	0.00	3.1E+00	8.0E+00	4.0E+00	1.7E+00			1.8E+00
64	0.91	0.00	0.00	0.09	0.00	1.3E+00	8.0E+00	4.0E+00	1.7E+00			
65	0.69	0.31	0.00	0.00	0.00	4.7E-01	1.7E+00	8.0E-01	3.0E-01			
66	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	1.7E+00			
67	0.74	0.25	0.00	0.00	0.00	3.5E-01	2.0E+03	1.0E+03	5.0E+02			
68	0.71	0.25	0.00	0.04	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
69	0.74	0.25	0.00	0.00	0.00	2.9E-01	2.0E+03	1.0E+03	1.0E+03			
70	0.74	0.25	0.00	0.00	0.00	8.9E-02	3.0E+04	2.0E+04	1.0E+04			
71	0.94	0.00	0.00	0.05	0.00	5.8E-01	1.0E+04	1.0E+04	5.0E+03			
72	0.74	0.25	0.00	0.00	0.00	1.4E-01	5.0E+06	2.0E+06	1.0E+06			
73	0.99	0.00	0.00	0.00	0.00	5.0E-01	4.0E+01	2.0E+01	2.0E+01			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
74	0.74	0.25	0.00	0.00	0.00	3.1E-01	3.0E+02	3.0E+02	2.0E+02			
75	0.99	0.00	0.00	0.00	0.00	3.6E-01	1.0E+03	1.0E+03	N/A			
76	0.96	0.00	0.00	0.04	0.00	4.6E-01	1.0E+04	5.0E+03	3.0E+03			
77	0.99	0.00	0.00	0.00	0.00	1.3E+00	2.0E+03	1.0E+03	1.0E+03			
78	0.99	0.00	0.00	0.00	0.00	1.1E+00	2.0E+03	1.0E+03	1.0E+03			
79	0.99	0.00	0.00	0.00	0.00	1.5E+00	5.0E+02	1.0E+02	5.0E+01			
80	0.50	0.00	0.00	0.00	0.50	7.9E-01	8.0E+00	3.0E+00	2.0E+00			
81	0.50	0.00	0.00	0.00	0.50	2.2E-01	5.0E+01	3.0E+01	N/A			
82	0.25	0.25	0.00	0.00	0.50	1.1E-01	5.0E+03	5.0E+03	2.0E+03			
83	0.50	0.00	0.00	0.00	0.50	4.1E-01	1.0E+03	1.0E+03	1.0E+03			
84	0.50	0.00	0.00	0.00	0.50	7.3E-01	5.0E+03	5.0E+03	2.0E+03			
85	0.50	0.00	0.00	0.00	0.50	3.8E-01	1.0E+05	5.0E+04	3.0E+04			
86	0.50	0.00	0.00	0.00	0.50	1.4E+00	5.0E+03	5.0E+03	1.0E+03			
87	0.50	0.00	0.00	0.00	0.50	2.3E-01	1.0E+07	3.0E+06	2.0E+06			
88	0.50	0.00	0.00	0.00	0.50	3.3E-01	2.0E+02	6.0E+01	6.0E+01			
89	0.50	0.00	0.00	0.00	0.50	7.1E-01	1.0E+02	1.0E+02	5.0E+01			
90	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
91	0.50	0.00	0.00	0.00	0.50	2.6E-01	3.0E+03	1.0E+03	1.0E+03			
92	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
93	0.50	0.00	0.00	0.00	0.50	3.3E-01	3.0E+04	2.0E+04	1.0E+04			
94	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
95	0.85	0.03	0.01	0.12	0.00	1.8E+00	8.0E+00	4.0E+00	1.7E+00			
96	0.86	0.03	0.01	0.11	0.00	3.6E-01	3.0E+02	1.0E+02	5.0E+01			
97	0.84	0.03	0.03	0.11	0.00	2.9E-01	5.0E+03	2.5E+03	5.0E+02			
98	0.60	0.28	0.01	0.11	0.00	2.1E-01	5.0E+02	5.0E+02	3.0E+02			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
99	0.57	0.03	0.26	0.14	0.00	4.3E+01	5.0E+02	5.0E+02	5.0E+02			
100	0.59	0.03	0.28	0.11	0.00	7.6E+00	2.0E+04	1.0E+04	1.0E+04			
101	0.86	0.03	0.01	0.11	0.00	9.6E+01	2.0E+03	1.0E+03	2.0E+02			
102	0.84	0.04	0.01	0.11	0.00	1.6E+02	1.0E+07	1.0E+07	5.0E+06			
103	0.82	0.06	0.01	0.11	0.00	1.9E+00	2.0E+02	6.0E+01	1.0E+01			
104	0.61	0.03	0.26	0.11	0.00	2.9E+01	1.0E+03	1.0E+03	5.0E+02			
105	0.59	0.03	0.28	0.11	0.00	2.8E+00	3.0E+02	3.0E+02	1.0E+02			
106	0.61	0.03	0.26	0.11	0.00	4.3E+01	3.0E+04	1.0E+04	5.0E+03			
107	0.61	0.03	0.26	0.11	0.00	2.7E+01	3.0E+04	2.0E+04	1.0E+04			
108	0.59	0.03	0.26	0.13	0.00	6.4E+03	5.0E+04	3.0E+04	1.0E+04			
109	0.59	0.03	0.26	0.13	0.00	2.7E+02	3.0E+04	2.0E+03	1.0E+03			
110	0.98	0.02	0.00	0.00	0.00	6.4E-01	1.7E+00	8.0E-01	3.0E-01			
111	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	N/A			
112	0.75	0.25	0.00	0.00	0.00	3.5E-01	2.0E+03	1.0E+03	5.0E+02			
113	0.71	0.25	0.00	0.03	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
114	1.00	0.00	0.00	0.00	0.00	5.7E-01	2.0E+03	1.0E+03	1.0E+03			
115	0.75	0.25	0.00	0.00	0.00	8.9E-02	3.0E+04	2.0E+04	1.0E+04			
116	0.98	0.00	0.00	0.02	0.00	2.6E-01	5.0E+03	5.0E+03	1.0E+03			
117	0.75	0.25	0.00	0.00	0.00	1.4E-01	5.0E+06	2.0E+06	1.0E+06			
118	1.00	0.00	0.00	0.00	0.00	4.6E-01	4.0E+01	2.0E+01	2.0E+01			
119	0.75	0.25	0.00	0.00	0.00	3.1E-01	1.0E+02	1.0E+02	5.0E+01			
120	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
121	0.96	0.00	0.00	0.03	0.00	4.6E-01	3.0E+03	1.0E+03	1.0E+03			
122	1.00	0.00	0.00	0.00	0.00	1.6E+00	2.0E+03	1.0E+03	1.0E+03			
123	1.00	0.00	0.00	0.00	0.00	7.2E-01	2.0E+03	1.0E+03	1.0E+03			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
124	1.00	0.00	0.00	0.00	0.00	1.9E+00	5.0E+02	1.0E+02	5.0E+01			
125	0.58	0.28	0.01	0.13	0.00	1.3E-01	1.7E+00	8.0E-01	1.7E-01			
126	0.60	0.28	0.01	0.12	0.00	1.7E-01	3.0E+02	1.0E+02	5.0E+01			
127	0.60	0.28	0.01	0.12	0.00	5.0E-02	5.0E+02	5.0E+02	2.0E+01			
128	0.59	0.28	0.01	0.12	0.00	5.2E-02	1.0E+01	1.0E+01	8.0E+00			
129	0.60	0.03	0.26	0.12	0.00	1.8E+00	1.0E+02	1.0E+02	5.0E+01			
130	0.58	0.03	0.28	0.12	0.00	4.6E+00	1.0E+04	1.0E+04	3.0E+03			
131	0.85	0.03	0.01	0.12	0.00	4.2E+00	5.0E+02	1.0E+02	2.0E+01			
132	0.85	0.03	0.01	0.12	0.00	1.7E+00	3.0E+06	2.0E+06	1.0E+06			
133	0.78	0.06	0.01	0.15	0.00	1.1E+00	2.0E+01	2.0E+01	5.0E+00			
134	0.60	0.03	0.26	0.12	0.00	9.1E+00	1.0E+03	2.0E+02	1.0E+02			
135	0.83	0.03	0.01	0.13	0.00	6.8E-01	5.0E+01	5.0E+01	N/A			
136	0.60	0.03	0.26	0.12	0.00	9.5E+00	2.0E+04	1.0E+04	1.0E+03			
137	0.60	0.03	0.26	0.12	0.00	1.2E+01	3.0E+04	2.0E+04	1.0E+04			
138	0.56	0.03	0.26	0.15	0.00	3.3E+02	1.0E+04	5.0E+03	5.0E+03			
139	0.56	0.03	0.26	0.15	0.00	3.3E+01	1.0E+04	1.0E+03	1.0E+02			
140	0.56	0.04	0.06	0.06	0.28	4.7E+00	1.7E+00	8.0E-01	1.7E-01	2.8E+00	5.9E+00	2.8E+01
141	0.50	0.28	0.03	0.19	0.00	5.9E-02	1.7E+00	8.0E-01	1.7E-01			
142	0.62	0.00	0.00	0.03	0.36	N/A	N/A	N/A	N/A			
143	0.77	0.00	0.00	0.03	0.21	7.7E+00	3.0E+02	1.0E+02	5.0E+01			
144	0.77	0.00	0.00	0.03	0.21	3.3E+01	5.0E+02	5.0E+02	2.0E+01			1.6E+00
145	0.77	0.00	0.00	0.03	0.21	1.3E+01	1.0E+01	1.0E+01	8.0E+00	1.3E+00	1.3E+00	1.7E+00
146	0.75	0.00	0.00	0.03	0.23	1.4E+02	1.0E+02	1.0E+02	5.0E+01	1.4E+00	1.4E+00	2.7E+00
147	0.60	0.00	0.00	0.03	0.37	2.8E+02	1.0E+04	1.0E+04	3.0E+03			
148	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
149	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
150	0.60	0.00	0.00	0.03	0.37	1.3E+01	2.0E+01	2.0E+01	5.0E+00			2.6E+00
151	0.50	0.00	0.25	0.03	0.23	2.0E+02	1.0E+03	2.0E+02	1.0E+02		1.0E+00	2.0E+00
152	0.52	0.00	0.25	0.03	0.21	7.9E+01	5.0E+01	5.0E+01	N/A	1.6E+00	1.6E+00	
153	0.55	0.00	0.00	0.03	0.42	1.7E+01	2.0E+04	1.0E+04	1.0E+03			
154	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
155	0.52	0.00	0.25	0.03	0.21	2.1E+03	1.0E+04	5.0E+03	5.0E+03			
156	0.52	0.00	0.25	0.03	0.21	1.8E+02	1.0E+04	1.0E+03	1.0E+02			1.8E+00
157	0.84	0.02	0.01	0.13	0.00	3.5E+01	1.7E+00	8.0E-01	1.7E-01	2.0E+01	4.3E+01	2.0E+02
158	0.59	0.25	0.00	0.16	0.00	3.2E-02	3.0E+02	1.0E+02	5.0E+01			
159	0.86	0.00	0.00	0.14	0.00	1.7E+00	5.0E+02	5.0E+02	2.0E+01			
160	0.61	0.25	0.01	0.13	0.00	4.6E-03	1.0E+01	1.0E+01	8.0E+00			
161	0.56	0.29	0.00	0.14	0.00	1.1E-01	1.0E+02	1.0E+02	5.0E+01			
162	0.55	0.25	0.00	0.19	0.00	2.3E-01	1.0E+04	1.0E+04	3.0E+03			
163	0.59	0.00	0.00	0.14	0.27	3.5E+00	5.0E+02	1.0E+02	2.0E+01			
164	0.59	0.00	0.00	0.14	0.27	8.0E-01	3.0E+06	2.0E+06	1.0E+06			
165	0.54	0.02	0.25	0.19	0.00	1.0E+01	2.0E+01	2.0E+01	5.0E+00			2.1E+00
166	0.86	0.00	0.00	0.14	0.00	1.9E+01	1.0E+03	2.0E+02	1.0E+02			
167	0.73	0.04	0.02	0.19	0.02	5.5E-01	5.0E+01	5.0E+01	N/A			
168	0.86	0.00	0.00	0.14	0.00	1.4E+01	2.0E+04	1.0E+04	1.0E+03			
169	0.84	0.00	0.02	0.14	0.00	2.6E+01	3.0E+04	2.0E+04	1.0E+04			
170	0.86	0.00	0.00	0.14	0.00	3.9E+01	1.0E+04	5.0E+03	5.0E+03			
171	0.84	0.00	0.02	0.14	0.00	4.4E+00	1.0E+04	1.0E+03	1.0E+02			
172	0.71	0.25	0.02	0.02	0.00	8.8E-02	1.7E+00	8.0E-01	1.7E-01			
173	0.99	0.00	0.00	0.01	0.00	4.6E-01	3.0E+02	1.0E+02	5.0E+01			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
174	0.74	0.25	0.00	0.01	0.00	2.8E-02	5.0E+02	5.0E+02	2.0E+01			
175	0.74	0.25	0.00	0.01	0.00	1.1E-02	1.0E+01	1.0E+01	8.0E+00			
176	0.74	0.25	0.00	0.01	0.00	8.7E-02	1.0E+02	1.0E+02	5.0E+01			
177	0.72	0.25	0.02	0.01	0.00	4.7E-01	1.0E+04	1.0E+04	3.0E+03			
178	0.70	0.25	0.00	0.04	0.00	2.8E-02	5.0E+02	1.0E+02	2.0E+01			
179	0.72	0.25	0.00	0.03	0.00	1.8E-02	3.0E+06	2.0E+06	1.0E+06			
180	0.67	0.27	0.02	0.04	0.00	4.5E-01	2.0E+01	2.0E+01	5.0E+00			
181	0.74	0.25	0.00	0.01	0.00	4.4E-01	1.0E+03	2.0E+02	1.0E+02			
182	0.70	0.29	0.00	0.01	0.00	1.1E-01	5.0E+01	5.0E+01	N/A			
183	0.72	0.27	0.00	0.01	0.00	1.0E-01	2.0E+04	1.0E+04	1.0E+03			
184	0.72	0.27	0.00	0.01	0.00	1.4E+00	3.0E+04	2.0E+04	1.0E+04			
185	0.72	0.27	0.00	0.01	0.00	3.2E-01	1.0E+04	5.0E+03	5.0E+03			
186	0.72	0.25	0.00	0.03	0.00	9.5E-02	1.0E+04	1.0E+03	1.0E+02			
187	0.95	0.00	0.02	0.03	0.00	1.3E+00	1.7E+00	8.0E-01	1.7E-01		1.7E+00	7.8E+00
188	0.69	0.25	0.02	0.04	0.00	4.1E-02	1.7E+00	8.0E-01	1.7E-01			
189	0.69	0.31	0.00	0.00	0.00	2.4E-01	8.0E-01	5.0E-01	2.0E-01			
190	0.99	0.00	0.00	0.00	0.00	8.9E-01	3.0E+00	2.0E+00	1.3E+00			
191	0.74	0.25	0.00	0.00	0.00	1.3E-01	5.0E+02	3.0E+02	1.0E+02			
192	0.73	0.25	0.00	0.02	0.00	5.3E-02	3.0E+01	2.0E+01	2.0E+01			
193	0.99	0.00	0.00	0.00	0.00	9.5E-01	1.0E+03	1.0E+03	5.0E+02			
194	0.74	0.25	0.00	0.00	0.00	1.5E-01	2.0E+04	2.0E+04	1.0E+04			
195	0.94	0.00	0.00	0.05	0.00	8.5E-01	1.0E+04	1.0E+04	3.0E+03			
196	0.74	0.25	0.00	0.00	0.00	4.5E-01	5.0E+06	2.0E+06	1.0E+06			
197	0.97	0.00	0.00	0.02	0.00	6.3E-01	2.0E+01	2.0E+01	1.0E+01			
198	0.73	0.27	0.00	0.00	0.00	5.6E-01	3.0E+02	2.0E+02	1.0E+02			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
199	0.99	0.00	0.00	0.00	0.00	2.1E-01	1.0E+03	1.0E+03	N/A			
200	0.71	0.25	0.00	0.04	0.00	3.8E-01	1.0E+04	5.0E+03	3.0E+03			
201	0.99	0.00	0.00	0.00	0.00	1.4E+00	2.0E+03	1.0E+03	1.0E+03			
202	0.94	0.00	0.00	0.05	0.00	7.3E-01	2.0E+03	1.0E+03	1.0E+03			
203	0.99	0.00	0.00	0.00	0.00	9.2E-01	5.0E+02	1.0E+02	3.0E+01			
204	0.50	0.00	0.00	0.00	0.50	1.9E+00	4.0E-01	2.0E-01	8.0E-02	4.8E+00	9.6E+00	2.4E+01
205	0.50	0.00	0.00	0.00	0.50	2.1E-01	5.0E+01	2.0E+01	N/A			
206	0.25	0.25	0.00	0.00	0.50	4.1E-02	2.0E+03	1.0E+03	1.0E+03			
207	0.50	0.00	0.00	0.00	0.50	2.0E-01	5.0E+02	5.0E+02	3.0E+02			
208	0.50	0.00	0.00	0.00	0.50	6.2E-01	3.0E+03	2.0E+03	1.0E+03			
209	0.50	0.00	0.00	0.00	0.50	3.1E-01	5.0E+04	5.0E+04	2.0E+04			
210	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+03	2.0E+03	1.0E+03			
211	0.50	0.00	0.00	0.00	0.50	9.4E-02	3.0E+06	2.0E+06	1.0E+06			
212	0.25	0.25	0.00	0.00	0.50	6.8E-02	1.0E+02	6.0E+01	2.0E+01			
213	0.25	0.25	0.00	0.00	0.50	2.9E-01	5.0E+01	3.0E+01	2.0E+01			
214	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
215	0.50	0.00	0.00	0.00	0.50	2.3E-01	3.0E+03	1.0E+03	1.0E+03			
216	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
217	0.50	0.00	0.00	0.00	0.50	3.3E-01	2.0E+04	2.0E+04	1.0E+04			
218	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
219	0.58	0.28	0.01	0.14	0.00	1.3E-01	1.7E+00	8.0E-01	1.7E-01			
220	0.59	0.28	0.01	0.13	0.00	1.7E-01	3.0E+02	1.0E+02	5.0E+01			
221	0.59	0.28	0.01	0.13	0.00	2.6E-01	5.0E+02	5.0E+02	2.0E+01			
222	0.58	0.28	0.01	0.13	0.00	8.5E-02	1.0E+01	1.0E+01	8.0E+00			
223	0.61	0.03	0.26	0.11	0.00	1.8E+00	1.0E+02	1.0E+02	5.0E+01			

(continued)

Table D-2b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
224	0.61	0.03	0.26	0.11	0.00	4.6E+00	1.0E+04	1.0E+04	3.0E+03			
225	0.86	0.03	0.01	0.11	0.00	2.0E+01	5.0E+02	1.0E+02	2.0E+01			
226	0.86	0.03	0.01	0.11	0.00	8.0E+01	3.0E+06	2.0E+06	1.0E+06			
227	0.79	0.06	0.01	0.14	0.00	1.1E+00	2.0E+01	2.0E+01	5.0E+00			
228	0.57	0.03	0.26	0.14	0.00	1.4E+01	1.0E+03	2.0E+02	1.0E+02			
229	0.82	0.03	0.01	0.14	0.00	1.0E+00	5.0E+01	5.0E+01	N/A			
230	0.61	0.03	0.26	0.11	0.00	9.5E+00	2.0E+04	1.0E+04	1.0E+03			
231	0.61	0.03	0.26	0.11	0.00	1.2E+01	3.0E+04	2.0E+04	1.0E+04			
232	0.55	0.03	0.26	0.16	0.00	3.3E+02	1.0E+04	5.0E+03	5.0E+03			
233	0.55	0.03	0.26	0.16	0.00	3.3E+01	1.0E+04	1.0E+03	1.0E+02			
234	0.96	0.04	0.00	0.00	0.00	7.6E-01	4.0E-01	2.0E-01	8.0E-02			
235	1.00	0.00	0.00	0.00	0.00	7.5E-01	3.0E+00	2.0E+00	N/A			
236	0.75	0.25	0.00	0.00	0.00	1.3E-01	5.0E+02	3.0E+02	1.0E+02			
237	0.74	0.25	0.00	0.00	0.00	5.3E-02	3.0E+01	2.0E+01	2.0E+01			
238	1.00	0.00	0.00	0.00	0.00	6.8E-01	1.0E+03	1.0E+03	5.0E+02			
239	0.71	0.25	0.00	0.03	0.00	1.5E-01	2.0E+04	2.0E+04	1.0E+04			
240	0.95	0.00	0.00	0.05	0.00	3.0E-01	3.0E+03	2.0E+03	1.0E+03			
241	0.75	0.25	0.00	0.00	0.00	4.5E-01	3.0E+06	2.0E+06	1.0E+06			
242	0.75	0.25	0.00	0.00	0.00	4.3E+00	2.0E+01	2.0E+01	1.0E+01			
243	0.75	0.25	0.00	0.00	0.00	4.5E-01	5.0E+01	3.0E+01	2.0E+01			
244	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
245	0.96	0.00	0.00	0.03	0.00	3.8E-01	3.0E+03	1.0E+03	1.0E+03			
246	1.00	0.00	0.00	0.00	0.00	1.6E+00	2.0E+03	1.0E+03	1.0E+03			
247	0.95	0.00	0.00	0.05	0.00	5.8E-01	2.0E+03	1.0E+03	1.0E+03			
248	1.00	0.00	0.00	0.00	0.00	1.7E+00	5.0E+02	1.0E+02	3.0E+01			

Table D-3a. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 3 Floor SDL (Part 1 of 2)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
1	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	TEQ	0.10	1.6	0.06
2	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	HG	0.40	1.2	0.34
3	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	CD	0.35	1.2	0.29
4	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	PB	0.30	1.2	0.25
5	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	AS	0.10	1.4	0.07
6	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	BE	0.10	1.2	0.08
7	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	CR_6	0.03	2.0	0.01
8	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	CR_3	0.10	2.1	0.05
9	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	CL2	0.33	1.6	0.20
10	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	HCL	0.28	1.6	0.17
11	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	SB	0.05	1.4	0.03
12	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	NI	-0.15	1.6	-0.09
13	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	SE	-0.15	1.6	-0.09
14	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	BA	-0.15	1.3	-0.11
15	OPT 3 FLOOR SDL	MACT	INCIN	P2_LB	TL	-0.15	1.3	-0.11
16	OPT 3 FLOOR SDL	MACT	INCIN	P2_DRY_LB	TEQ	0.14	2.7	0.05
17	OPT 3 FLOOR SDL	MACT	INCIN	P2_NOTDRY_LB	TEQ	0.09	1.7	0.05
18	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	TEQ	0.00	2.5	0.00
19	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	HG	-0.25	2.8	-0.09
20	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	CD	-0.25	2.8	-0.09
21	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	PB	0.00	3.0	0.00
22	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	AS	0.00	3.0	0.00
23	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	BE	0.00	2.0	0.00

(continued)

Table D-3a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
24	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	CR_6	0.00	2.0	0.00
25	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	CR_3	0.00	2.0	0.00
26	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	CL2	0.00	2.0	0.00
27	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	HCL	-0.50	1.5	-0.33
28	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	SB	-0.25	2.8	-0.09
29	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	NI	-0.50	2.0	-0.25
30	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	SE	-0.50	2.0	-0.25
31	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	BA	-0.25	2.8	-0.09
32	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB	TL	-0.25	2.8	-0.09
33	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	TEQ	0.04	3.1	0.01
34	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	HG	0.05	3.1	0.02
35	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	CD	0.00	3.3	0.00
36	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	PB	0.23	3.0	0.08
37	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	AS	0.00	3.3	0.00
38	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	BE	0.00	3.3	0.00
39	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	CR_6	-0.50	2.0	-0.25
40	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	CR_3	-0.50	2.0	-0.25
41	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	CL2	0.30	2.7	0.11
42	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	HCL	0.25	2.5	0.10
43	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	SB	0.08	2.8	0.03
44	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	NI	-0.25	2.8	-0.09
45	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	SE	-0.30	3.1	-0.10
46	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	BA	0.00	3.3	0.00
47	OPT 3 FLOOR SDL	MACT	INCIN	P2_HAF	TL	-0.30	2.6	-0.11
48	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	TEQ	-0.01	1.6	-0.01

(continued)

Table D-3a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
49	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	HG	-0.25	1.3	-0.19
50	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CD	0.25	1.2	0.21
51	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	PB	0.25	1.2	0.21
52	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	AS	0.25	1.2	0.21
53	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	BE	0.20	1.2	0.17
54	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CR_6	0.20	1.3	0.15
55	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CR_3	0.20	1.3	0.15
56	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	CL2	0.23	1.2	0.19
57	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	HCL	0.30	1.2	0.25
58	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	SB	0.00	1.6	0.00
59	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	NI	0.00	1.6	0.00
60	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	SE	0.00	1.9	0.00
61	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	BA	0.00	1.6	0.00
62	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_INCIN	TL	0.00	1.6	0.00
63	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.33	2.5	-0.13
64	OPT 3 FLOOR SDL	MACT	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.00	3.7	0.00
65	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	TEQ	0.43	2.9	0.15
66	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	HG	0.29	2.9	0.10
67	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	CD	0.24	3.1	0.08
68	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	PB	0.24	3.1	0.08
69	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	AS	0.24	3.3	0.07
70	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	BE	0.24	3.1	0.08
71	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00
72	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
73	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	CL2	-0.01	3.8	0.00

(continued)

Table D-3a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
74	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	HCL	0.24	3.1	0.08
75	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	SB	-0.01	3.8	0.00
76	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	NI	-0.01	3.8	0.00
77	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
78	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
79	OPT 3 FLOOR SDL	MACT	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
80	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	TEQ	-0.50	1.5	-0.33
81	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
82	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CD	0.50	1.5	0.33
83	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
84	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
85	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
86	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
87	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
88	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	CL2	0.00	2.0	0.00
89	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	HCL	-0.50	1.5	-0.33
90	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
91	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
92	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
93	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
94	OPT 3 FLOOR SDL	MACT	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
95	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	TEQ	0.10	1.6	0.06
96	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	HG	0.40	1.2	0.34
97	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	CD	0.35	1.4	0.24
98	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	PB	0.31	1.4	0.22

(continued)

Table D-3a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
99	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	AS	0.10	1.2	0.08
100	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	BE	-0.15	1.2	-0.13
101	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	CR_6	0.03	2.0	0.01
102	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	CR_3	0.10	2.1	0.05
103	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	CL2	0.15	1.6	0.09
104	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	HCL	0.10	1.6	0.06
105	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	SB	0.05	1.4	0.03
106	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	NI	-0.15	1.5	-0.10
107	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	SE	-0.15	1.6	-0.09
108	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	BA	-0.15	1.2	-0.13
109	OPT 3 FLOOR SDL	MACT	INCIN	P2_SB_LB	TL	-0.15	1.2	-0.13
110	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TEQ	0.13	3.5	0.04
111	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HG	0.30	3.0	0.10
112	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CD	0.25	3.1	0.08
113	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	PB	0.24	3.1	0.08
114	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	AS	0.25	3.4	0.07
115	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BE	0.33	2.9	0.11
116	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
117	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.25	3.1	0.08
118	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CL2	0.00	3.9	0.00
119	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.20	3.0	0.07
120	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
121	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
122	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
123	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00

(continued)

Table D-3a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
124	OPT 3 FLOOR SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00
125	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	TEQ	-0.06	1.8	-0.03
126	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	HG	0.00	1.6	0.00
127	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CD	0.00	1.3	0.00
128	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	PB	0.00	1.6	0.00
129	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	AS	0.00	1.6	0.00
130	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	BE	-0.05	1.6	-0.03
131	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_6	0.00	2.0	0.00
132	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_3	0.00	2.0	0.00
133	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	CL2	0.05	1.3	0.04
134	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	HCL	0.18	1.4	0.12
135	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	SB	0.00	1.8	0.00
136	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	NI	0.25	2.0	0.13
137	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	SE	0.00	2.2	0.00
138	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	BA	0.06	1.6	0.04
139	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_INCIN	TL	0.00	1.8	0.00
140	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.08	3.0	-0.02
141	OPT 3 FLOOR SDL	BASELINE	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.20	2.0	0.10
142	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	TEQ	-0.13	3.0	-0.04
143	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	HG	-0.01	3.8	0.00
144	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CD	-0.01	3.8	0.00
145	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	PB	-0.01	3.8	0.00
146	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	AS	-0.01	3.8	0.00
147	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	BE	0.24	3.3	0.07
148	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00

(continued)

Table D-3a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
149	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
150	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	CL2	-0.21	2.9	-0.07
151	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	HCL	0.24	3.1	0.08
152	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	SB	-0.01	3.8	0.00
153	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	NI	-0.01	3.8	0.00
154	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
155	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
156	OPT 3 FLOOR SDL	BASELINE	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
157	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	TEQ	0.00	2.0	0.00
158	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
159	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CD	0.00	2.0	0.00
160	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
161	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
162	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
163	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
164	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
165	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	CL2	-0.50	1.5	-0.33
166	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	HCL	0.50	1.5	0.33
167	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
168	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
169	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
170	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
171	OPT 3 FLOOR SDL	BASELINE	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
172	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TEQ	-0.13	3.0	-0.04
173	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HG	0.00	3.9	0.00

(continued)

Table D-3a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
174	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CD	0.00	3.9	0.00
175	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	PB	-0.01	3.8	0.00
176	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	AS	0.00	3.9	0.00
177	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BE	0.00	3.9	0.00
178	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
179	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.00	3.9	0.00
180	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CL2	-0.30	3.0	-0.10
181	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.30	3.0	0.10
182	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
183	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
184	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
185	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00
186	OPT 3 FLOOR SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00

Table D-3b. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 3 Floor SDL (Part 2 of 2)

							90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
1	0.83	0.03	0.01	0.13	0.00	3.0E+00	8.0E+00	4.0E+00	1.7E+00			
2	0.58	0.29	0.01	0.12	0.00	4.0E-02	3.0E+02	1.0E+02	5.0E+01			
3	0.60	0.28	0.01	0.12	0.00	1.4E-01	5.0E+03	2.5E+03	5.0E+02			
4	0.58	0.28	0.03	0.12	0.00	1.9E-01	5.0E+02	5.0E+02	3.0E+02			
5	0.81	0.03	0.01	0.15	0.00	1.4E+00	5.0E+02	5.0E+02	5.0E+02			
6	0.83	0.03	0.01	0.13	0.00	2.9E+00	2.0E+04	1.0E+04	1.0E+04			
7	0.81	0.03	0.03	0.13	0.00	2.7E+00	2.0E+03	1.0E+03	2.0E+02			
8	0.85	0.03	0.01	0.12	0.00	7.4E-01	1.0E+07	1.0E+07	5.0E+06			
9	0.55	0.29	0.03	0.13	0.00	5.3E-01	2.0E+02	6.0E+01	1.0E+01			
10	0.56	0.28	0.03	0.13	0.00	7.2E-01	1.0E+03	1.0E+03	5.0E+02			
11	0.83	0.03	0.03	0.12	0.00	7.9E-01	3.0E+02	3.0E+02	1.0E+02			
12	0.58	0.03	0.26	0.13	0.00	6.1E+00	3.0E+04	1.0E+04	5.0E+03			
13	0.58	0.03	0.26	0.13	0.00	7.7E+00	3.0E+04	2.0E+04	1.0E+04			
14	0.58	0.03	0.26	0.13	0.00	2.6E+03	5.0E+04	3.0E+04	1.0E+04			
15	0.56	0.03	0.26	0.15	0.00	9.3E+01	3.0E+04	2.0E+03	1.0E+03			
16	0.56	0.04	0.06	0.06	0.28	9.2E+00	8.0E+00	4.0E+00	1.7E+00	1.2E+00	2.3E+00	5.4E+00
17	0.80	0.03	0.01	0.16	0.00	1.8E+00	8.0E+00	4.0E+00	1.7E+00			
18	0.62	0.00	0.00	0.03	0.36	N/A	N/A	N/A	N/A			
19	0.52	0.00	0.25	0.03	0.21	4.7E+01	3.0E+02	1.0E+02	5.0E+01			
20	0.52	0.00	0.25	0.03	0.21	2.7E+02	5.0E+03	2.5E+03	5.0E+02			
21	0.77	0.00	0.00	0.03	0.21	1.2E+02	5.0E+02	5.0E+02	3.0E+02			
22	0.75	0.00	0.00	0.03	0.23	3.5E+02	5.0E+02	5.0E+02	5.0E+02			
23	0.60	0.00	0.00	0.03	0.37	6.4E+02	2.0E+04	1.0E+04	1.0E+04			
24	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			

(continued)

Table D-3b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
							UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
25	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
26	0.60	0.00	0.00	0.03	0.37	2.8E+01	2.0E+02	6.0E+01	1.0E+01			2.8E+00
27	0.35	0.00	0.25	0.03	0.37	7.0E+02	1.0E+03	1.0E+03	5.0E+02			1.4E+00
28	0.52	0.00	0.25	0.03	0.21	9.3E+02	3.0E+02	3.0E+02	1.0E+02	3.1E+00	3.1E+00	9.3E+00
29	0.30	0.00	0.25	0.03	0.42	2.0E+02	3.0E+04	1.0E+04	5.0E+03			
30	0.30	0.00	0.25	0.03	0.42	N/A	N/A	N/A	N/A			
31	0.52	0.00	0.25	0.03	0.21	1.4E+04	5.0E+04	3.0E+04	1.0E+04			1.4E+00
32	0.52	0.00	0.25	0.03	0.21	3.7E+03	3.0E+04	2.0E+03	1.0E+03		1.9E+00	3.7E+00
33	0.84	0.02	0.01	0.13	0.00	2.0E+02	8.0E+00	4.0E+00	1.7E+00	2.5E+01	5.0E+01	1.2E+02
34	0.82	0.02	0.00	0.16	0.00	1.8E+00	3.0E+02	1.0E+02	5.0E+01			
35	0.86	0.00	0.00	0.14	0.00	1.8E+01	5.0E+03	2.5E+03	5.0E+02			
36	0.61	0.25	0.01	0.13	0.00	7.9E-01	5.0E+02	5.0E+02	3.0E+02			
37	0.86	0.00	0.00	0.14	0.00	4.1E+00	5.0E+02	5.0E+02	5.0E+02			
38	0.82	0.00	0.00	0.18	0.00	3.9E+00	2.0E+04	1.0E+04	1.0E+04			
39	0.34	0.00	0.25	0.14	0.27	4.9E+00	2.0E+03	1.0E+03	2.0E+02			
40	0.34	0.00	0.25	0.14	0.27	2.1E+00	1.0E+07	1.0E+07	5.0E+06			
41	0.55	0.27	0.00	0.18	0.00	2.4E+00	2.0E+02	6.0E+01	1.0E+01			
42	0.61	0.25	0.00	0.14	0.00	1.5E-01	1.0E+03	1.0E+03	5.0E+02			
43	0.73	0.04	0.02	0.19	0.02	6.5E+00	3.0E+02	3.0E+02	1.0E+02			
44	0.61	0.00	0.25	0.14	0.00	2.3E+01	3.0E+04	1.0E+04	5.0E+03			
45	0.54	0.00	0.27	0.19	0.00	2.0E+02	3.0E+04	2.0E+04	1.0E+04			
46	0.86	0.00	0.00	0.14	0.00	2.6E+02	5.0E+04	3.0E+04	1.0E+04			
47	0.59	0.00	0.27	0.14	0.00	7.3E+00	3.0E+04	2.0E+03	1.0E+03			
48	0.98	0.00	0.00	0.02	0.00	1.3E+00	8.0E+00	4.0E+00	1.7E+00			
49	0.74	0.00	0.25	0.01	0.00	2.0E+00	3.0E+02	1.0E+02	5.0E+01			

(continued)

Table D-3b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
							UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
50	0.74	0.25	0.00	0.01	0.00	7.8E-02	5.0E+03	2.5E+03	5.0E+02			
51	0.74	0.25	0.00	0.01	0.00	8.1E-02	5.0E+02	5.0E+02	3.0E+02			
52	0.74	0.25	0.00	0.01	0.00	7.3E-01	5.0E+02	5.0E+02	5.0E+02			
53	0.72	0.25	0.02	0.01	0.00	3.6E-01	2.0E+04	1.0E+04	1.0E+04			
54	0.72	0.25	0.02	0.01	0.00	1.2E+00	2.0E+03	1.0E+03	2.0E+02			
55	0.72	0.25	0.02	0.01	0.00	6.6E-01	1.0E+07	1.0E+07	5.0E+06			
56	0.70	0.27	0.02	0.01	0.00	3.0E-02	2.0E+02	6.0E+01	1.0E+01			
57	0.72	0.27	0.00	0.01	0.00	2.2E-02	1.0E+03	1.0E+03	5.0E+02			
58	0.99	0.00	0.00	0.01	0.00	2.0E+00	3.0E+02	3.0E+02	1.0E+02			
59	0.99	0.00	0.00	0.01	0.00	1.0E+00	3.0E+04	1.0E+04	5.0E+03			
60	0.99	0.00	0.00	0.01	0.00	5.0E+00	3.0E+04	2.0E+04	1.0E+04			
61	0.99	0.00	0.00	0.01	0.00	2.0E+00	5.0E+04	3.0E+04	1.0E+04			
62	0.99	0.00	0.00	0.01	0.00	9.4E-01	3.0E+04	2.0E+03	1.0E+03			
63	0.70	0.00	0.27	0.03	0.00	3.1E+00	8.0E+00	4.0E+00	1.7E+00			1.8E+00
64	0.88	0.00	0.00	0.02	0.11	1.4E+01	8.0E+00	4.0E+00	1.7E+00	1.8E+00	3.6E+00	8.5E+00
65	0.69	0.31	0.00	0.00	0.00	4.7E-01	1.7E+00	8.0E-01	3.0E-01			
66	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	1.7E+00			
67	0.74	0.25	0.00	0.00	0.00	2.3E-01	2.0E+03	1.0E+03	5.0E+02			
68	0.71	0.25	0.00	0.04	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
69	0.74	0.25	0.00	0.00	0.00	2.7E-01	2.0E+03	1.0E+03	1.0E+03			
70	0.74	0.25	0.00	0.00	0.00	2.6E-01	3.0E+04	2.0E+04	1.0E+04			
71	0.96	0.00	0.00	0.04	0.00	5.3E-01	1.0E+04	1.0E+04	5.0E+03			
72	0.74	0.25	0.00	0.00	0.00	3.7E-01	5.0E+06	2.0E+06	1.0E+06			
73	0.99	0.00	0.00	0.00	0.00	5.0E-01	4.0E+01	2.0E+01	2.0E+01			
74	0.74	0.25	0.00	0.00	0.00	3.1E-01	3.0E+02	3.0E+02	2.0E+02			

(continued)

Table D-3b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
							UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
75	0.99	0.00	0.00	0.00	0.00	3.6E-01	1.0E+03	1.0E+03	N/A			
76	0.96	0.00	0.00	0.04	0.00	6.7E-01	1.0E+04	5.0E+03	3.0E+03			
77	0.99	0.00	0.00	0.00	0.00	1.8E+00	2.0E+03	1.0E+03	1.0E+03			
78	0.94	0.00	0.00	0.05	0.00	1.5E+00	2.0E+03	1.0E+03	1.0E+03			
79	0.99	0.00	0.00	0.00	0.00	1.5E+00	5.0E+02	1.0E+02	5.0E+01			
80	0.25	0.00	0.25	0.00	0.50	1.0E+01	8.0E+00	3.0E+00	2.0E+00	1.3E+00	3.3E+00	5.0E+00
81	0.50	0.00	0.00	0.00	0.50	2.2E-01	5.0E+01	3.0E+01	N/A			
82	0.25	0.25	0.00	0.00	0.50	1.1E-01	5.0E+03	5.0E+03	2.0E+03			
83	0.50	0.00	0.00	0.00	0.50	2.3E-01	1.0E+03	1.0E+03	1.0E+03			
84	0.50	0.00	0.00	0.00	0.50	8.8E-01	5.0E+03	5.0E+03	2.0E+03			
85	0.50	0.00	0.00	0.00	0.50	4.7E-01	1.0E+05	5.0E+04	3.0E+04			
86	0.50	0.00	0.00	0.00	0.50	1.4E+00	5.0E+03	5.0E+03	1.0E+03			
87	0.50	0.00	0.00	0.00	0.50	6.5E-01	1.0E+07	3.0E+06	2.0E+06			
88	0.50	0.00	0.00	0.00	0.50	5.5E-01	2.0E+02	6.0E+01	6.0E+01			
89	0.25	0.00	0.25	0.00	0.50	3.1E+00	1.0E+02	1.0E+02	5.0E+01			
90	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
91	0.50	0.00	0.00	0.00	0.50	2.6E-01	3.0E+03	1.0E+03	1.0E+03			
92	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
93	0.50	0.00	0.00	0.00	0.50	3.3E-01	3.0E+04	2.0E+04	1.0E+04			
94	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
95	0.83	0.03	0.01	0.14	0.00	2.8E+00	8.0E+00	4.0E+00	1.7E+00			
96	0.59	0.29	0.01	0.11	0.00	4.7E-01	3.0E+02	1.0E+02	5.0E+01			
97	0.61	0.28	0.01	0.11	0.00	1.4E-01	5.0E+03	2.5E+03	5.0E+02			
98	0.59	0.28	0.03	0.11	0.00	1.3E-01	5.0E+02	5.0E+02	3.0E+02			
99	0.86	0.03	0.01	0.11	0.00	8.0E+00	5.0E+02	5.0E+02	5.0E+02			

(continued)

Table D-3b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
							UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
100	0.61	0.03	0.26	0.11	0.00	1.1E+01	2.0E+04	1.0E+04	1.0E+04			
101	0.82	0.03	0.03	0.13	0.00	1.9E+00	2.0E+03	1.0E+03	2.0E+02			
102	0.86	0.03	0.01	0.11	0.00	7.4E-01	1.0E+07	1.0E+07	5.0E+06			
103	0.84	0.04	0.01	0.11	0.00	7.5E-01	2.0E+02	6.0E+01	1.0E+01			
104	0.82	0.03	0.01	0.14	0.00	4.8E+00	1.0E+03	1.0E+03	5.0E+02			
105	0.84	0.03	0.03	0.11	0.00	8.4E-01	3.0E+02	3.0E+02	1.0E+02			
106	0.61	0.03	0.26	0.11	0.00	7.2E+00	3.0E+04	1.0E+04	5.0E+03			
107	0.61	0.03	0.26	0.11	0.00	7.7E+00	3.0E+04	2.0E+04	1.0E+04			
108	0.59	0.03	0.26	0.13	0.00	2.6E+03	5.0E+04	3.0E+04	1.0E+04			
109	0.59	0.03	0.26	0.13	0.00	9.3E+01	3.0E+04	2.0E+03	1.0E+03			
110	0.96	0.04	0.00	0.00	0.00	8.6E-01	1.7E+00	8.0E-01	3.0E-01			
111	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	N/A			
112	0.75	0.25	0.00	0.00	0.00	2.3E-01	2.0E+03	1.0E+03	5.0E+02			
113	0.74	0.25	0.00	0.00	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
114	0.75	0.25	0.00	0.00	0.00	2.7E-01	2.0E+03	1.0E+03	1.0E+03			
115	0.73	0.27	0.00	0.00	0.00	2.6E-01	3.0E+04	2.0E+04	1.0E+04			
116	0.98	0.00	0.00	0.02	0.00	3.2E-01	5.0E+03	5.0E+03	1.0E+03			
117	0.75	0.25	0.00	0.00	0.00	3.7E-01	5.0E+06	2.0E+06	1.0E+06			
118	0.98	0.00	0.00	0.02	0.00	4.6E-01	4.0E+01	2.0E+01	2.0E+01			
119	0.73	0.25	0.02	0.00	0.00	6.2E-01	1.0E+02	1.0E+02	5.0E+01			
120	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
121	0.96	0.00	0.00	0.03	0.00	6.7E-01	3.0E+03	1.0E+03	1.0E+03			
122	1.00	0.00	0.00	0.00	0.00	1.6E+00	2.0E+03	1.0E+03	1.0E+03			
123	0.98	0.00	0.00	0.02	0.00	1.1E+00	2.0E+03	1.0E+03	1.0E+03			
124	1.00	0.00	0.00	0.00	0.00	2.3E+00	5.0E+02	1.0E+02	5.0E+01			

(continued)

Table D-3b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
							UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
125	0.96	0.00	0.02	0.02	0.00	3.4E-01	1.7E+00	8.0E-01	1.7E-01			
126	0.99	0.00	0.00	0.01	0.00	2.3E+00	3.0E+02	1.0E+02	5.0E+01			
127	0.99	0.00	0.00	0.01	0.00	9.9E-01	5.0E+02	5.0E+02	2.0E+01			
128	0.99	0.00	0.00	0.01	0.00	1.2E+00	1.0E+01	1.0E+01	8.0E+00			
129	0.99	0.00	0.00	0.01	0.00	1.4E+00	1.0E+02	1.0E+02	5.0E+01			
130	0.97	0.00	0.02	0.01	0.00	1.8E+00	1.0E+04	1.0E+04	3.0E+03			
131	0.99	0.00	0.00	0.01	0.00	6.7E-01	5.0E+02	1.0E+02	2.0E+01			
132	0.97	0.00	0.00	0.03	0.00	9.6E-01	3.0E+06	2.0E+06	1.0E+06			
133	0.97	0.02	0.00	0.01	0.00	1.8E+00	2.0E+01	2.0E+01	5.0E+00			
134	0.72	0.25	0.02	0.01	0.00	1.7E-01	1.0E+03	2.0E+02	1.0E+02			
135	0.99	0.00	0.00	0.01	0.00	3.7E-01	5.0E+01	5.0E+01	N/A			
136	0.72	0.25	0.00	0.03	0.00	5.7E-01	2.0E+04	1.0E+04	1.0E+03			
137	0.99	0.00	0.00	0.01	0.00	9.8E-01	3.0E+04	2.0E+04	1.0E+04			
138	0.97	0.02	0.00	0.01	0.00	1.1E+00	1.0E+04	5.0E+03	5.0E+03			
139	0.97	0.00	0.00	0.03	0.00	3.7E-01	1.0E+04	1.0E+03	1.0E+02			
140	0.93	0.00	0.02	0.05	0.00	5.5E+00	1.7E+00	8.0E-01	1.7E-01	3.2E+00	6.8E+00	3.2E+01
141	0.69	0.25	0.02	0.04	0.00	3.7E-01	1.7E+00	8.0E-01	1.7E-01			
142	0.70	0.04	0.25	0.00	0.00	9.7E+00	8.0E-01	5.0E-01	2.0E-01	1.2E+01	1.9E+01	4.8E+01
143	0.99	0.00	0.00	0.00	0.00	1.1E+00	3.0E+00	2.0E+00	1.3E+00			
144	0.98	0.00	0.00	0.02	0.00	1.4E+00	5.0E+02	3.0E+02	1.0E+02			
145	0.98	0.00	0.00	0.02	0.00	1.2E+00	3.0E+01	2.0E+01	2.0E+01			
146	0.99	0.00	0.00	0.00	0.00	2.4E+00	1.0E+03	1.0E+03	5.0E+02			
147	0.74	0.25	0.00	0.00	0.00	3.7E-01	2.0E+04	2.0E+04	1.0E+04			
148	0.96	0.00	0.00	0.04	0.00	8.5E-01	1.0E+04	1.0E+04	3.0E+03			
149	0.74	0.25	0.00	0.00	0.00	5.6E-01	5.0E+06	2.0E+06	1.0E+06			

(continued)

Table D-3b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
							UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
150	0.73	0.02	0.25	0.00	0.00	1.4E+01	2.0E+01	2.0E+01	1.0E+01			1.4E+00
151	0.72	0.25	0.00	0.02	0.00	3.1E-01	3.0E+02	2.0E+02	1.0E+02			
152	0.99	0.00	0.00	0.00	0.00	2.1E-01	1.0E+03	1.0E+03	N/A			
153	0.99	0.00	0.00	0.00	0.00	8.9E-01	1.0E+04	5.0E+03	3.0E+03			
154	0.99	0.00	0.00	0.00	0.00	2.3E+00	2.0E+03	1.0E+03	1.0E+03			
155	0.99	0.00	0.00	0.00	0.00	1.1E+00	2.0E+03	1.0E+03	1.0E+03			
156	0.99	0.00	0.00	0.00	0.00	1.5E+00	5.0E+02	1.0E+02	3.0E+01			
157	0.50	0.00	0.00	0.00	0.50	4.0E+01	4.0E-01	2.0E-01	8.0E-02	9.9E+01	2.0E+02	5.0E+02
158	0.50	0.00	0.00	0.00	0.50	2.1E-01	5.0E+01	2.0E+01	N/A			
159	0.50	0.00	0.00	0.00	0.50	2.9E-01	2.0E+03	1.0E+03	1.0E+03			
160	0.50	0.00	0.00	0.00	0.50	1.6E+00	5.0E+02	5.0E+02	3.0E+02			
161	0.50	0.00	0.00	0.00	0.50	3.1E+00	3.0E+03	2.0E+03	1.0E+03			
162	0.50	0.00	0.00	0.00	0.50	1.5E+00	5.0E+04	5.0E+04	2.0E+04			
163	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+03	2.0E+03	1.0E+03			
164	0.50	0.00	0.00	0.00	0.50	4.2E-01	3.0E+06	2.0E+06	1.0E+06			
165	0.25	0.00	0.25	0.00	0.50	1.4E+02	1.0E+02	6.0E+01	2.0E+01	1.4E+00	2.4E+00	7.1E+00
166	0.25	0.25	0.00	0.00	0.50	2.9E-03	5.0E+01	3.0E+01	2.0E+01			
167	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
168	0.50	0.00	0.00	0.00	0.50	2.3E-01	3.0E+03	1.0E+03	1.0E+03			
169	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
170	0.50	0.00	0.00	0.00	0.50	3.3E-01	2.0E+04	2.0E+04	1.0E+04			
171	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
172	0.71	0.04	0.25	0.00	0.00	1.2E+01	4.0E-01	2.0E-01	8.0E-02	2.9E+01	5.9E+01	1.5E+02
173	1.00	0.00	0.00	0.00	0.00	8.1E-01	3.0E+00	2.0E+00	N/A			
174	1.00	0.00	0.00	0.00	0.00	1.2E+00	5.0E+02	3.0E+02	1.0E+02			

(continued)

Table D-3b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
							UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
175	0.91	0.00	0.00	0.09	0.00	2.1E+00	3.0E+01	2.0E+01	2.0E+01			
176	1.00	0.00	0.00	0.00	0.00	1.8E+00	1.0E+03	1.0E+03	5.0E+02			
177	1.00	0.00	0.00	0.00	0.00	3.3E-01	2.0E+04	2.0E+04	1.0E+04			
178	0.96	0.00	0.00	0.04	0.00	5.6E-01	3.0E+03	2.0E+03	1.0E+03			
179	1.00	0.00	0.00	0.00	0.00	7.0E-01	3.0E+06	2.0E+06	1.0E+06			
180	0.73	0.00	0.27	0.00	0.00	1.9E+01	2.0E+01	2.0E+01	1.0E+01			1.9E+00
181	0.73	0.27	0.00	0.00	0.00	2.5E-01	5.0E+01	3.0E+01	2.0E+01			
182	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
183	1.00	0.00	0.00	0.00	0.00	7.8E-01	3.0E+03	1.0E+03	1.0E+03			
184	1.00	0.00	0.00	0.00	0.00	1.7E+00	2.0E+03	1.0E+03	1.0E+03			
185	1.00	0.00	0.00	0.00	0.00	1.3E+00	2.0E+03	1.0E+03	1.0E+03			
186	1.00	0.00	0.00	0.00	0.00	2.8E+00	5.0E+02	1.0E+02	3.0E+01			

Table D-4a. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 3D SDL (Part 1 of 2)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
1	OPT 3D SDL	MACT	INCIN	P2_LB	TEQ	0.10	1.6	0.06
2	OPT 3D SDL	MACT	INCIN	P2_LB	HG	0.40	1.2	0.34
3	OPT 3D SDL	MACT	INCIN	P2_LB	CD	0.35	1.2	0.29
4	OPT 3D SDL	MACT	INCIN	P2_LB	PB	0.30	1.2	0.25
5	OPT 3D SDL	MACT	INCIN	P2_LB	AS	0.10	1.4	0.07
6	OPT 3D SDL	MACT	INCIN	P2_LB	BE	0.10	1.2	0.08
7	OPT 3D SDL	MACT	INCIN	P2_LB	CR_6	0.03	2.0	0.01
8	OPT 3D SDL	MACT	INCIN	P2_LB	CR_3	0.10	2.1	0.05
9	OPT 3D SDL	MACT	INCIN	P2_LB	CL2	0.33	1.6	0.20
10	OPT 3D SDL	MACT	INCIN	P2_LB	HCL	0.28	1.6	0.17
11	OPT 3D SDL	MACT	INCIN	P2_LB	SB	0.05	1.4	0.03
12	OPT 3D SDL	MACT	INCIN	P2_LB	NI	-0.15	1.6	-0.09
13	OPT 3D SDL	MACT	INCIN	P2_LB	SE	-0.15	1.6	-0.09
14	OPT 3D SDL	MACT	INCIN	P2_LB	BA	-0.15	1.3	-0.11
15	OPT 3D SDL	MACT	INCIN	P2_LB	TL	-0.15	1.3	-0.11
16	OPT 3D SDL	MACT	INCIN	P2_DRY_LB	TEQ	0.14	2.7	0.05
17	OPT 3D SDL	MACT	INCIN	P2_NOTDRY_LB	TEQ	0.09	1.7	0.05
18	OPT 3D SDL	MACT	INCIN	P2_SB	TEQ	0.00	2.5	0.00
19	OPT 3D SDL	MACT	INCIN	P2_SB	HG	-0.25	2.8	-0.09
20	OPT 3D SDL	MACT	INCIN	P2_SB	CD	-0.25	2.8	-0.09
21	OPT 3D SDL	MACT	INCIN	P2_SB	PB	0.00	3.0	0.00
22	OPT 3D SDL	MACT	INCIN	P2_SB	AS	0.00	3.0	0.00
23	OPT 3D SDL	MACT	INCIN	P2_SB	BE	0.00	2.0	0.00
24	OPT 3D SDL	MACT	INCIN	P2_SB	CR_6	0.00	2.0	0.00
25	OPT 3D SDL	MACT	INCIN	P2_SB	CR_3	0.00	2.0	0.00

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
26	OPT 3D SDL	MACT	INCIN	P2_SB	CL2	0.00	2.0	0.00
27	OPT 3D SDL	MACT	INCIN	P2_SB	HCL	-0.50	1.5	-0.33
28	OPT 3D SDL	MACT	INCIN	P2_SB	SB	-0.25	2.8	-0.09
29	OPT 3D SDL	MACT	INCIN	P2_SB	NI	-0.50	2.0	-0.25
30	OPT 3D SDL	MACT	INCIN	P2_SB	SE	-0.50	2.0	-0.25
31	OPT 3D SDL	MACT	INCIN	P2_SB	BA	-0.25	2.8	-0.09
32	OPT 3D SDL	MACT	INCIN	P2_SB	TL	-0.25	2.8	-0.09
33	OPT 3D SDL	MACT	INCIN	P2_HAF	TEQ	0.04	3.1	0.01
34	OPT 3D SDL	MACT	INCIN	P2_HAF	HG	0.05	3.1	0.02
35	OPT 3D SDL	MACT	INCIN	P2_HAF	CD	0.00	3.3	0.00
36	OPT 3D SDL	MACT	INCIN	P2_HAF	PB	0.23	3.0	0.08
37	OPT 3D SDL	MACT	INCIN	P2_HAF	AS	0.00	3.3	0.00
38	OPT 3D SDL	MACT	INCIN	P2_HAF	BE	0.00	3.3	0.00
39	OPT 3D SDL	MACT	INCIN	P2_HAF	CR_6	-0.50	2.0	-0.25
40	OPT 3D SDL	MACT	INCIN	P2_HAF	CR_3	-0.50	2.0	-0.25
41	OPT 3D SDL	MACT	INCIN	P2_HAF	CL2	0.30	2.7	0.11
42	OPT 3D SDL	MACT	INCIN	P2_HAF	HCL	0.25	2.5	0.10
43	OPT 3D SDL	MACT	INCIN	P2_HAF	SB	0.08	2.8	0.03
44	OPT 3D SDL	MACT	INCIN	P2_HAF	NI	-0.25	2.8	-0.09
45	OPT 3D SDL	MACT	INCIN	P2_HAF	SE	-0.30	3.1	-0.10
46	OPT 3D SDL	MACT	INCIN	P2_HAF	BA	0.00	3.3	0.00
47	OPT 3D SDL	MACT	INCIN	P2_HAF	TL	-0.30	2.6	-0.11
48	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	TEQ	-0.01	1.6	-0.01
49	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	HG	-0.25	1.3	-0.19
50	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	CD	0.25	1.2	0.21

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
51	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	PB	0.25	1.2	0.21
52	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	AS	0.25	1.2	0.21
53	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	BE	0.20	1.2	0.17
54	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	CR_6	0.20	1.3	0.15
55	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	CR_3	0.20	1.3	0.15
56	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	CL2	0.23	1.2	0.19
57	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	HCL	0.30	1.2	0.25
58	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	SB	0.00	1.6	0.00
59	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	NI	0.00	1.6	0.00
60	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	SE	0.00	1.9	0.00
61	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	BA	0.00	1.6	0.00
62	OPT 3D SDL	MACT	INCIN	NEW_P1_INCIN	TL	0.00	1.6	0.00
63	OPT 3D SDL	MACT	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.33	2.5	-0.13
64	OPT 3D SDL	MACT	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.00	1.8	0.00
65	OPT 3D SDL	MACT	CK	NEW_P1_CK	TEQ	0.43	2.9	0.15
66	OPT 3D SDL	MACT	CK	NEW_P1_CK	HG	0.29	2.9	0.10
67	OPT 3D SDL	MACT	CK	NEW_P1_CK	CD	0.24	3.1	0.08
68	OPT 3D SDL	MACT	CK	NEW_P1_CK	PB	0.24	3.1	0.08
69	OPT 3D SDL	MACT	CK	NEW_P1_CK	AS	0.24	3.3	0.07
70	OPT 3D SDL	MACT	CK	NEW_P1_CK	BE	0.24	3.1	0.08
71	OPT 3D SDL	MACT	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00
72	OPT 3D SDL	MACT	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
73	OPT 3D SDL	MACT	CK	NEW_P1_CK	CL2	-0.01	3.8	0.00
74	OPT 3D SDL	MACT	CK	NEW_P1_CK	HCL	0.24	3.1	0.08
75	OPT 3D SDL	MACT	CK	NEW_P1_CK	SB	-0.01	3.8	0.00

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
76	OPT 3D SDL	MACT	CK	NEW_P1_CK	NI	-0.01	3.8	0.00
77	OPT 3D SDL	MACT	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
78	OPT 3D SDL	MACT	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
79	OPT 3D SDL	MACT	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
80	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	TEQ	0.00	2.0	0.00
81	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
82	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	CD	0.50	1.5	0.33
83	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
84	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
85	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
86	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
87	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
88	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	CL2	0.00	2.0	0.00
89	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	HCL	0.00	2.0	0.00
90	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
91	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
92	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
93	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
94	OPT 3D SDL	MACT	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
95	OPT 3D SDL	MACT	INCIN	P2_SB_LB	TEQ	0.10	1.6	0.06
96	OPT 3D SDL	MACT	INCIN	P2_SB_LB	HG	0.40	1.2	0.34
97	OPT 3D SDL	MACT	INCIN	P2_SB_LB	CD	0.35	1.4	0.24
98	OPT 3D SDL	MACT	INCIN	P2_SB_LB	PB	0.31	1.4	0.22
99	OPT 3D SDL	MACT	INCIN	P2_SB_LB	AS	0.10	1.2	0.08
100	OPT 3D SDL	MACT	INCIN	P2_SB_LB	BE	-0.15	1.2	-0.13

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
101	OPT 3D SDL	MACT	INCIN	P2_SB_LB	CR_6	0.03	2.0	0.01
102	OPT 3D SDL	MACT	INCIN	P2_SB_LB	CR_3	0.10	2.1	0.05
103	OPT 3D SDL	MACT	INCIN	P2_SB_LB	CL2	0.40	1.6	0.25
104	OPT 3D SDL	MACT	INCIN	P2_SB_LB	HCL	0.10	1.6	0.06
105	OPT 3D SDL	MACT	INCIN	P2_SB_LB	SB	0.05	1.4	0.03
106	OPT 3D SDL	MACT	INCIN	P2_SB_LB	NI	-0.15	1.5	-0.10
107	OPT 3D SDL	MACT	INCIN	P2_SB_LB	SE	-0.15	1.6	-0.09
108	OPT 3D SDL	MACT	INCIN	P2_SB_LB	BA	-0.15	1.2	-0.13
109	OPT 3D SDL	MACT	INCIN	P2_SB_LB	TL	-0.15	1.2	-0.13
110	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TEQ	0.05	3.7	0.01
111	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HG	0.30	3.0	0.10
112	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CD	0.25	3.1	0.08
113	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	PB	0.24	3.1	0.08
114	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	AS	0.25	3.4	0.07
115	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BE	0.33	2.9	0.11
116	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
117	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.25	3.1	0.08
118	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	CL2	0.00	3.9	0.00
119	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.25	3.1	0.08
120	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
121	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
122	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
123	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00
124	OPT 3D SDL	MACT	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00
125	OPT 3D SDL	BASELINE	INCIN	P2_LB	TEQ	0.35	1.7	0.20

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
126	OPT 3D SDL	BASELINE	INCIN	P2_LB	HG	0.35	1.3	0.27
127	OPT 3D SDL	BASELINE	INCIN	P2_LB	CD	0.35	1.3	0.27
128	OPT 3D SDL	BASELINE	INCIN	P2_LB	PB	0.35	1.3	0.27
129	OPT 3D SDL	BASELINE	INCIN	P2_LB	AS	-0.15	1.6	-0.10
130	OPT 3D SDL	BASELINE	INCIN	P2_LB	BE	-0.20	1.3	-0.15
131	OPT 3D SDL	BASELINE	INCIN	P2_LB	CR_6	0.10	2.2	0.04
132	OPT 3D SDL	BASELINE	INCIN	P2_LB	CR_3	0.10	2.5	0.04
133	OPT 3D SDL	BASELINE	INCIN	P2_LB	CL2	0.20	1.6	0.13
134	OPT 3D SDL	BASELINE	INCIN	P2_LB	HCL	-0.15	1.5	-0.10
135	OPT 3D SDL	BASELINE	INCIN	P2_LB	SB	0.10	1.8	0.06
136	OPT 3D SDL	BASELINE	INCIN	P2_LB	NI	-0.15	1.7	-0.09
137	OPT 3D SDL	BASELINE	INCIN	P2_LB	SE	-0.15	1.7	-0.09
138	OPT 3D SDL	BASELINE	INCIN	P2_LB	BA	-0.15	1.6	-0.10
139	OPT 3D SDL	BASELINE	INCIN	P2_LB	TL	-0.15	1.6	-0.10
140	OPT 3D SDL	BASELINE	INCIN	P2_DRY_LB	TEQ	0.14	2.7	0.05
141	OPT 3D SDL	BASELINE	INCIN	P2_NOTDRY_LB	TEQ	0.29	1.7	0.17
142	OPT 3D SDL	BASELINE	INCIN	P2_SB	TEQ	0.00	2.5	0.00
143	OPT 3D SDL	BASELINE	INCIN	P2_SB	HG	0.00	3.0	0.00
144	OPT 3D SDL	BASELINE	INCIN	P2_SB	CD	0.00	3.0	0.00
145	OPT 3D SDL	BASELINE	INCIN	P2_SB	PB	0.00	3.0	0.00
146	OPT 3D SDL	BASELINE	INCIN	P2_SB	AS	0.00	3.0	0.00
147	OPT 3D SDL	BASELINE	INCIN	P2_SB	BE	0.00	2.0	0.00
148	OPT 3D SDL	BASELINE	INCIN	P2_SB	CR_6	0.00	2.0	0.00
149	OPT 3D SDL	BASELINE	INCIN	P2_SB	CR_3	0.00	2.0	0.00
150	OPT 3D SDL	BASELINE	INCIN	P2_SB	CL2	0.00	2.0	0.00

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
151	OPT 3D SDL	BASELINE	INCIN	P2_SB	HCL	-0.25	2.8	-0.09
152	OPT 3D SDL	BASELINE	INCIN	P2_SB	SB	-0.25	2.8	-0.09
153	OPT 3D SDL	BASELINE	INCIN	P2_SB	NI	0.00	2.0	0.00
154	OPT 3D SDL	BASELINE	INCIN	P2_SB	SE	0.00	2.0	0.00
155	OPT 3D SDL	BASELINE	INCIN	P2_SB	BA	-0.25	2.8	-0.09
156	OPT 3D SDL	BASELINE	INCIN	P2_SB	TL	-0.25	2.8	-0.09
157	OPT 3D SDL	BASELINE	INCIN	P2_HAF	TEQ	0.04	3.1	0.01
158	OPT 3D SDL	BASELINE	INCIN	P2_HAF	HG	0.25	2.8	0.09
159	OPT 3D SDL	BASELINE	INCIN	P2_HAF	CD	0.00	3.3	0.00
160	OPT 3D SDL	BASELINE	INCIN	P2_HAF	PB	0.23	2.7	0.08
161	OPT 3D SDL	BASELINE	INCIN	P2_HAF	AS	0.38	2.4	0.16
162	OPT 3D SDL	BASELINE	INCIN	P2_HAF	BE	0.25	2.8	0.09
163	OPT 3D SDL	BASELINE	INCIN	P2_HAF	CR_6	0.00	3.0	0.00
164	OPT 3D SDL	BASELINE	INCIN	P2_HAF	CR_3	0.00	3.0	0.00
165	OPT 3D SDL	BASELINE	INCIN	P2_HAF	CL2	-0.20	2.8	-0.07
166	OPT 3D SDL	BASELINE	INCIN	P2_HAF	HCL	0.00	3.3	0.00
167	OPT 3D SDL	BASELINE	INCIN	P2_HAF	SB	0.08	2.8	0.03
168	OPT 3D SDL	BASELINE	INCIN	P2_HAF	NI	0.00	3.3	0.00
169	OPT 3D SDL	BASELINE	INCIN	P2_HAF	SE	-0.05	3.1	-0.02
170	OPT 3D SDL	BASELINE	INCIN	P2_HAF	BA	0.00	3.3	0.00
171	OPT 3D SDL	BASELINE	INCIN	P2_HAF	TL	-0.05	3.1	-0.02
172	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	TEQ	0.19	1.6	0.12
173	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	HG	0.00	1.6	0.00
174	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	CD	0.25	1.3	0.19
175	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	PB	0.25	1.3	0.19

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
176	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	AS	0.25	1.3	0.19
177	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	BE	0.20	1.6	0.13
178	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_6	0.25	1.7	0.14
179	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	CR_3	0.25	1.7	0.14
180	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	CL2	0.23	1.6	0.14
181	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	HCL	0.25	1.2	0.21
182	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	SB	0.13	1.4	0.09
183	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	NI	0.30	1.7	0.18
184	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	SE	0.00	2.5	0.00
185	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	BA	0.31	1.6	0.19
186	OPT 3D SDL	BASELINE	INCIN	NEW_P1_INCIN	TL	0.25	1.8	0.14
187	OPT 3D SDL	BASELINE	INCIN	NEW_P1_DRY_INCIN	TEQ	-0.08	3.0	-0.02
188	OPT 3D SDL	BASELINE	INCIN	NEW_P1_NOTDRY_INCIN	TEQ	0.20	1.7	0.12
189	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	TEQ	0.43	2.9	0.15
190	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	HG	-0.01	3.8	0.00
191	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	CD	0.24	3.1	0.08
192	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	PB	0.24	3.1	0.08
193	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	AS	-0.01	3.8	0.00
194	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	BE	0.29	2.9	0.10
195	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	CR_6	-0.01	3.8	0.00
196	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	CR_3	0.24	3.1	0.08
197	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	CL2	-0.01	3.8	0.00
198	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	HCL	0.29	2.9	0.10
199	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	SB	-0.01	3.8	0.00
200	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	NI	-0.01	3.8	0.00

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
201	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	SE	-0.01	3.8	0.00
202	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	BA	-0.01	3.8	0.00
203	OPT 3D SDL	BASELINE	CK	NEW_P1_CK	TL	-0.01	3.8	0.00
204	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	TEQ	0.00	2.0	0.00
205	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	HG	0.00	2.0	0.00
206	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	CD	0.50	1.5	0.33
207	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	PB	0.00	2.0	0.00
208	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	AS	0.00	2.0	0.00
209	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	BE	0.00	2.0	0.00
210	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_6	0.00	2.0	0.00
211	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	CR_3	0.00	2.0	0.00
212	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	CL2	0.50	1.5	0.33
213	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	HCL	0.00	2.0	0.00
214	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	SB	0.50	1.5	0.33
215	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	NI	0.00	2.0	0.00
216	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	SE	0.00	2.0	0.00
217	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	BA	0.00	2.0	0.00
218	OPT 3D SDL	BASELINE	LWAK	NEW_P1_LWAK	TL	0.00	2.0	0.00
219	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	TEQ	0.35	1.7	0.20
220	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	HG	0.35	1.3	0.27
221	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	CD	0.35	1.3	0.27
222	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	PB	0.36	1.3	0.28
223	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	AS	-0.15	1.6	-0.10
224	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	BE	-0.15	1.3	-0.11
225	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	CR_6	0.10	2.2	0.04

(continued)

Table D-4a. (continued)

Index	MACT Option	MACT or Baseline	Old P1 Category	P2/New P1 Category	Chemical	GS	GS Rel	GS/Rel
226	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	CR_3	0.10	2.2	0.04
227	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	CL2	0.20	1.6	0.13
228	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	HCL	-0.15	1.5	-0.10
229	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	SB	0.10	1.8	0.06
230	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	NI	-0.15	1.7	-0.09
231	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	SE	-0.15	1.7	-0.09
232	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	BA	-0.15	1.6	-0.10
233	OPT 3D SDL	BASELINE	INCIN	P2_SB_LB	TL	-0.15	1.6	-0.10
234	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TEQ	0.13	3.5	0.04
235	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HG	0.00	3.9	0.00
236	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CD	0.25	3.1	0.08
237	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	PB	0.24	3.1	0.08
238	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	AS	0.00	3.9	0.00
239	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BE	0.25	3.1	0.08
240	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_6	0.00	3.9	0.00
241	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CR_3	0.25	3.1	0.08
242	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	CL2	0.25	3.4	0.07
243	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	HCL	0.25	3.1	0.08
244	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SB	0.25	3.4	0.07
245	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	NI	0.00	3.9	0.00
246	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	SE	0.00	3.9	0.00
247	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	BA	0.00	3.9	0.00
248	OPT 3D SDL	BASELINE	CK_LWAK	NEW_P1_CK_LWAK	TL	0.00	3.9	0.00

Table D-4b. RelRisk Outputs for Weighting Scenario 7 and Results of Decision Rule 9 for Option 3D SDL (Part 2 of 2)

							90% MOE	95% MOE	99% MOE	Threshold Ratio > 1		
Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	UCL2/UCL1 Threshold	90% MOE	95% MOE	99% MOE
1	0.83	0.03	0.01	0.13	0.00	3.0E+00	8.0E+00	4.0E+00	1.7E+00			
2	0.58	0.29	0.01	0.12	0.00	4.0E-02	3.0E+02	1.0E+02	5.0E+01			
3	0.60	0.28	0.01	0.12	0.00	1.4E-01	5.0E+03	2.5E+03	5.0E+02			
4	0.58	0.28	0.03	0.12	0.00	1.9E-01	5.0E+02	5.0E+02	3.0E+02			
5	0.81	0.03	0.01	0.15	0.00	1.4E+00	5.0E+02	5.0E+02	5.0E+02			
6	0.83	0.03	0.01	0.13	0.00	2.9E+00	2.0E+04	1.0E+04	1.0E+04			
7	0.81	0.03	0.03	0.13	0.00	2.7E+00	2.0E+03	1.0E+03	2.0E+02			
8	0.85	0.03	0.01	0.12	0.00	7.4E-01	1.0E+07	1.0E+07	5.0E+06			
9	0.55	0.29	0.03	0.13	0.00	5.3E-01	2.0E+02	6.0E+01	1.0E+01			
10	0.56	0.28	0.03	0.13	0.00	7.2E-01	1.0E+03	1.0E+03	5.0E+02			
11	0.83	0.03	0.03	0.12	0.00	7.9E-01	3.0E+02	3.0E+02	1.0E+02			
12	0.58	0.03	0.26	0.13	0.00	6.1E+00	3.0E+04	1.0E+04	5.0E+03			
13	0.58	0.03	0.26	0.13	0.00	7.7E+00	3.0E+04	2.0E+04	1.0E+04			
14	0.58	0.03	0.26	0.13	0.00	2.6E+03	5.0E+04	3.0E+04	1.0E+04			
15	0.56	0.03	0.26	0.15	0.00	9.3E+01	3.0E+04	2.0E+03	1.0E+03			
16	0.56	0.04	0.06	0.06	0.28	2.0E+00	8.0E+00	4.0E+00	1.7E+00			1.2E+00
17	0.80	0.03	0.01	0.16	0.00	1.8E+00	8.0E+00	4.0E+00	1.7E+00			
18	0.62	0.00	0.00	0.03	0.36	N/A	N/A	N/A	N/A			
19	0.52	0.00	0.25	0.03	0.21	4.7E+01	3.0E+02	1.0E+02	5.0E+01			
20	0.52	0.00	0.25	0.03	0.21	1.6E+02	5.0E+03	2.5E+03	5.0E+02			
21	0.77	0.00	0.00	0.03	0.21	7.0E+01	5.0E+02	5.0E+02	3.0E+02			
22	0.75	0.00	0.00	0.03	0.23	2.3E+02	5.0E+02	5.0E+02	5.0E+02			
23	0.60	0.00	0.00	0.03	0.37	4.2E+02	2.0E+04	1.0E+04	1.0E+04			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
24	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
25	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
26	0.60	0.00	0.00	0.03	0.37	1.5E+01	2.0E+02	6.0E+01	1.0E+01			1.5E+00
27	0.35	0.00	0.25	0.03	0.37	4.0E+02	1.0E+03	1.0E+03	5.0E+02			
28	0.52	0.00	0.25	0.03	0.21	4.4E+02	3.0E+02	3.0E+02	1.0E+02	1.5E+00	1.5E+00	4.4E+00
29	0.30	0.00	0.25	0.03	0.42	1.2E+02	3.0E+04	1.0E+04	5.0E+03			
30	0.30	0.00	0.25	0.03	0.42	N/A	N/A	N/A	N/A			
31	0.52	0.00	0.25	0.03	0.21	6.9E+03	5.0E+04	3.0E+04	1.0E+04			
32	0.52	0.00	0.25	0.03	0.21	1.8E+03	3.0E+04	2.0E+03	1.0E+03			1.8E+00
33	0.84	0.02	0.01	0.13	0.00	2.6E+01	8.0E+00	4.0E+00	1.7E+00	3.2E+00	6.5E+00	1.5E+01
34	0.82	0.02	0.00	0.16	0.00	1.8E+00	3.0E+02	1.0E+02	5.0E+01			
35	0.86	0.00	0.00	0.14	0.00	1.8E+01	5.0E+03	2.5E+03	5.0E+02			
36	0.61	0.25	0.01	0.13	0.00	7.9E-01	5.0E+02	5.0E+02	3.0E+02			
37	0.86	0.00	0.00	0.14	0.00	4.1E+00	5.0E+02	5.0E+02	5.0E+02			
38	0.82	0.00	0.00	0.18	0.00	3.9E+00	2.0E+04	1.0E+04	1.0E+04			
39	0.34	0.00	0.25	0.14	0.27	4.9E+00	2.0E+03	1.0E+03	2.0E+02			
40	0.34	0.00	0.25	0.14	0.27	2.1E+00	1.0E+07	1.0E+07	5.0E+06			
41	0.55	0.27	0.00	0.18	0.00	2.4E+00	2.0E+02	6.0E+01	1.0E+01			
42	0.61	0.25	0.00	0.14	0.00	1.5E-01	1.0E+03	1.0E+03	5.0E+02			
43	0.73	0.04	0.02	0.19	0.02	6.5E+00	3.0E+02	3.0E+02	1.0E+02			
44	0.61	0.00	0.25	0.14	0.00	2.3E+01	3.0E+04	1.0E+04	5.0E+03			
45	0.54	0.00	0.27	0.19	0.00	2.0E+02	3.0E+04	2.0E+04	1.0E+04			
46	0.86	0.00	0.00	0.14	0.00	2.6E+02	5.0E+04	3.0E+04	1.0E+04			
47	0.59	0.00	0.27	0.14	0.00	7.3E+00	3.0E+04	2.0E+03	1.0E+03			
48	0.98	0.00	0.00	0.02	0.00	1.3E+00	8.0E+00	4.0E+00	1.7E+00			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
49	0.74	0.00	0.25	0.01	0.00	2.0E+00	3.0E+02	1.0E+02	5.0E+01			
50	0.74	0.25	0.00	0.01	0.00	7.8E-02	5.0E+03	2.5E+03	5.0E+02			
51	0.74	0.25	0.00	0.01	0.00	8.1E-02	5.0E+02	5.0E+02	3.0E+02			
52	0.74	0.25	0.00	0.01	0.00	7.3E-01	5.0E+02	5.0E+02	5.0E+02			
53	0.72	0.25	0.02	0.01	0.00	3.6E-01	2.0E+04	1.0E+04	1.0E+04			
54	0.72	0.25	0.02	0.01	0.00	1.2E+00	2.0E+03	1.0E+03	2.0E+02			
55	0.72	0.25	0.02	0.01	0.00	6.6E-01	1.0E+07	1.0E+07	5.0E+06			
56	0.70	0.27	0.02	0.01	0.00	3.0E-02	2.0E+02	6.0E+01	1.0E+01			
57	0.72	0.27	0.00	0.01	0.00	2.2E-02	1.0E+03	1.0E+03	5.0E+02			
58	0.99	0.00	0.00	0.01	0.00	2.0E+00	3.0E+02	3.0E+02	1.0E+02			
59	0.99	0.00	0.00	0.01	0.00	1.0E+00	3.0E+04	1.0E+04	5.0E+03			
60	0.99	0.00	0.00	0.01	0.00	5.0E+00	3.0E+04	2.0E+04	1.0E+04			
61	0.99	0.00	0.00	0.01	0.00	2.0E+00	5.0E+04	3.0E+04	1.0E+04			
62	0.99	0.00	0.00	0.01	0.00	9.4E-01	3.0E+04	2.0E+03	1.0E+03			
63	0.70	0.00	0.27	0.03	0.00	3.1E+00	8.0E+00	4.0E+00	1.7E+00			1.8E+00
64	0.91	0.00	0.00	0.09	0.00	1.3E+00	8.0E+00	4.0E+00	1.7E+00			
65	0.69	0.31	0.00	0.00	0.00	4.7E-01	1.7E+00	8.0E-01	3.0E-01			
66	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	1.7E+00			
67	0.74	0.25	0.00	0.00	0.00	2.3E-01	2.0E+03	1.0E+03	5.0E+02			
68	0.71	0.25	0.00	0.04	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
69	0.74	0.25	0.00	0.00	0.00	2.7E-01	2.0E+03	1.0E+03	1.0E+03			
70	0.74	0.25	0.00	0.00	0.00	2.6E-01	3.0E+04	2.0E+04	1.0E+04			
71	0.96	0.00	0.00	0.04	0.00	5.3E-01	1.0E+04	1.0E+04	5.0E+03			
72	0.74	0.25	0.00	0.00	0.00	3.7E-01	5.0E+06	2.0E+06	1.0E+06			
73	0.99	0.00	0.00	0.00	0.00	5.0E-01	4.0E+01	2.0E+01	2.0E+01			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
74	0.74	0.25	0.00	0.00	0.00	3.1E-01	3.0E+02	3.0E+02	2.0E+02			
75	0.99	0.00	0.00	0.00	0.00	3.6E-01	1.0E+03	1.0E+03	N/A			
76	0.96	0.00	0.00	0.04	0.00	6.7E-01	1.0E+04	5.0E+03	3.0E+03			
77	0.99	0.00	0.00	0.00	0.00	1.8E+00	2.0E+03	1.0E+03	1.0E+03			
78	0.94	0.00	0.00	0.05	0.00	1.5E+00	2.0E+03	1.0E+03	1.0E+03			
79	0.99	0.00	0.00	0.00	0.00	1.5E+00	5.0E+02	1.0E+02	5.0E+01			
80	0.50	0.00	0.00	0.00	0.50	7.9E-01	8.0E+00	3.0E+00	2.0E+00			
81	0.50	0.00	0.00	0.00	0.50	2.2E-01	5.0E+01	3.0E+01	N/A			
82	0.25	0.25	0.00	0.00	0.50	1.1E-01	5.0E+03	5.0E+03	2.0E+03			
83	0.50	0.00	0.00	0.00	0.50	2.3E-01	1.0E+03	1.0E+03	1.0E+03			
84	0.50	0.00	0.00	0.00	0.50	8.8E-01	5.0E+03	5.0E+03	2.0E+03			
85	0.50	0.00	0.00	0.00	0.50	4.7E-01	1.0E+05	5.0E+04	3.0E+04			
86	0.50	0.00	0.00	0.00	0.50	1.4E+00	5.0E+03	5.0E+03	1.0E+03			
87	0.50	0.00	0.00	0.00	0.50	5.6E-01	1.0E+07	3.0E+06	2.0E+06			
88	0.50	0.00	0.00	0.00	0.50	4.1E-01	2.0E+02	6.0E+01	6.0E+01			
89	0.50	0.00	0.00	0.00	0.50	8.8E-01	1.0E+02	1.0E+02	5.0E+01			
90	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
91	0.50	0.00	0.00	0.00	0.50	2.6E-01	3.0E+03	1.0E+03	1.0E+03			
92	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
93	0.50	0.00	0.00	0.00	0.50	3.3E-01	3.0E+04	2.0E+04	1.0E+04			
94	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
95	0.85	0.03	0.01	0.12	0.00	1.8E+00	8.0E+00	4.0E+00	1.7E+00			
96	0.59	0.29	0.01	0.11	0.00	4.7E-01	3.0E+02	1.0E+02	5.0E+01			
97	0.61	0.28	0.01	0.11	0.00	1.4E-01	5.0E+03	2.5E+03	5.0E+02			
98	0.59	0.28	0.03	0.11	0.00	1.3E-01	5.0E+02	5.0E+02	3.0E+02			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
99	0.86	0.03	0.01	0.11	0.00	8.0E+00	5.0E+02	5.0E+02	5.0E+02			
100	0.61	0.03	0.26	0.11	0.00	7.4E+00	2.0E+04	1.0E+04	1.0E+04			
101	0.82	0.03	0.03	0.13	0.00	1.9E+00	2.0E+03	1.0E+03	2.0E+02			
102	0.86	0.03	0.01	0.11	0.00	7.4E-01	1.0E+07	1.0E+07	5.0E+06			
103	0.59	0.29	0.01	0.11	0.00	5.3E-01	2.0E+02	6.0E+01	1.0E+01			
104	0.82	0.03	0.01	0.14	0.00	4.8E+00	1.0E+03	1.0E+03	5.0E+02			
105	0.84	0.03	0.03	0.11	0.00	8.4E-01	3.0E+02	3.0E+02	1.0E+02			
106	0.61	0.03	0.26	0.11	0.00	6.1E+00	3.0E+04	1.0E+04	5.0E+03			
107	0.61	0.03	0.26	0.11	0.00	7.7E+00	3.0E+04	2.0E+04	1.0E+04			
108	0.59	0.03	0.26	0.13	0.00	2.6E+03	5.0E+04	3.0E+04	1.0E+04			
109	0.57	0.03	0.26	0.14	0.00	9.3E+01	3.0E+04	2.0E+03	1.0E+03			
110	0.98	0.02	0.00	0.00	0.00	6.4E-01	1.7E+00	8.0E-01	3.0E-01			
111	0.73	0.27	0.00	0.00	0.00	3.6E-01	5.0E+00	3.0E+00	N/A			
112	0.75	0.25	0.00	0.00	0.00	2.3E-01	2.0E+03	1.0E+03	5.0E+02			
113	0.74	0.25	0.00	0.00	0.00	3.2E-01	5.0E+02	5.0E+02	3.0E+02			
114	0.75	0.25	0.00	0.00	0.00	2.7E-01	2.0E+03	1.0E+03	1.0E+03			
115	0.73	0.27	0.00	0.00	0.00	2.6E-01	3.0E+04	2.0E+04	1.0E+04			
116	0.98	0.00	0.00	0.02	0.00	3.2E-01	5.0E+03	5.0E+03	1.0E+03			
117	0.75	0.25	0.00	0.00	0.00	3.7E-01	5.0E+06	2.0E+06	1.0E+06			
118	1.00	0.00	0.00	0.00	0.00	4.6E-01	4.0E+01	2.0E+01	2.0E+01			
119	0.75	0.25	0.00	0.00	0.00	3.1E-01	1.0E+02	1.0E+02	5.0E+01			
120	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
121	0.96	0.00	0.00	0.03	0.00	6.7E-01	3.0E+03	1.0E+03	1.0E+03			
122	1.00	0.00	0.00	0.00	0.00	1.6E+00	2.0E+03	1.0E+03	1.0E+03			
123	0.98	0.00	0.00	0.02	0.00	1.1E+00	2.0E+03	1.0E+03	1.0E+03			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
124	1.00	0.00	0.00	0.00	0.00	2.3E+00	5.0E+02	1.0E+02	5.0E+01			
125	0.58	0.28	0.01	0.13	0.00	1.3E-01	1.7E+00	8.0E-01	1.7E-01			
126	0.60	0.28	0.01	0.12	0.00	1.7E-01	3.0E+02	1.0E+02	5.0E+01			
127	0.60	0.28	0.01	0.12	0.00	5.0E-02	5.0E+02	5.0E+02	2.0E+01			
128	0.59	0.28	0.01	0.12	0.00	5.2E-02	1.0E+01	1.0E+01	8.0E+00			
129	0.60	0.03	0.26	0.12	0.00	1.8E+00	1.0E+02	1.0E+02	5.0E+01			
130	0.58	0.03	0.28	0.12	0.00	4.6E+00	1.0E+04	1.0E+04	3.0E+03			
131	0.85	0.03	0.01	0.12	0.00	4.2E+00	5.0E+02	1.0E+02	2.0E+01			
132	0.85	0.03	0.01	0.12	0.00	1.7E+00	3.0E+06	2.0E+06	1.0E+06			
133	0.78	0.06	0.01	0.15	0.00	1.1E+00	2.0E+01	2.0E+01	5.0E+00			
134	0.60	0.03	0.26	0.12	0.00	9.1E+00	1.0E+03	2.0E+02	1.0E+02			
135	0.83	0.03	0.01	0.13	0.00	6.8E-01	5.0E+01	5.0E+01	N/A			
136	0.60	0.03	0.26	0.12	0.00	9.5E+00	2.0E+04	1.0E+04	1.0E+03			
137	0.60	0.03	0.26	0.12	0.00	1.2E+01	3.0E+04	2.0E+04	1.0E+04			
138	0.56	0.03	0.26	0.15	0.00	3.3E+02	1.0E+04	5.0E+03	5.0E+03			
139	0.56	0.03	0.26	0.15	0.00	3.3E+01	1.0E+04	1.0E+03	1.0E+02			
140	0.56	0.04	0.06	0.06	0.28	4.7E+00	1.7E+00	8.0E-01	1.7E-01	2.8E+00	5.9E+00	2.8E+01
141	0.50	0.28	0.03	0.19	0.00	5.9E-02	1.7E+00	8.0E-01	1.7E-01			
142	0.62	0.00	0.00	0.03	0.36	N/A	N/A	N/A	N/A			
143	0.77	0.00	0.00	0.03	0.21	7.7E+00	3.0E+02	1.0E+02	5.0E+01			
144	0.77	0.00	0.00	0.03	0.21	3.3E+01	5.0E+02	5.0E+02	2.0E+01			1.6E+00
145	0.77	0.00	0.00	0.03	0.21	1.3E+01	1.0E+01	1.0E+01	8.0E+00	1.3E+00	1.3E+00	1.7E+00
146	0.75	0.00	0.00	0.03	0.23	1.4E+02	1.0E+02	1.0E+02	5.0E+01	1.4E+00	1.4E+00	2.7E+00
147	0.60	0.00	0.00	0.03	0.37	2.8E+02	1.0E+04	1.0E+04	3.0E+03			
148	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
149	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
150	0.60	0.00	0.00	0.03	0.37	1.3E+01	2.0E+01	2.0E+01	5.0E+00			2.6E+00
151	0.50	0.00	0.25	0.03	0.23	2.0E+02	1.0E+03	2.0E+02	1.0E+02		1.0E+00	2.0E+00
152	0.52	0.00	0.25	0.03	0.21	7.9E+01	5.0E+01	5.0E+01	N/A	1.6E+00	1.6E+00	
153	0.55	0.00	0.00	0.03	0.42	1.7E+01	2.0E+04	1.0E+04	1.0E+03			
154	0.55	0.00	0.00	0.03	0.42	N/A	N/A	N/A	N/A			
155	0.52	0.00	0.25	0.03	0.21	2.1E+03	1.0E+04	5.0E+03	5.0E+03			
156	0.52	0.00	0.25	0.03	0.21	1.8E+02	1.0E+04	1.0E+03	1.0E+02			1.8E+00
157	0.84	0.02	0.01	0.13	0.00	3.5E+01	1.7E+00	8.0E-01	1.7E-01	2.0E+01	4.3E+01	2.0E+02
158	0.59	0.25	0.00	0.16	0.00	3.2E-02	3.0E+02	1.0E+02	5.0E+01			
159	0.86	0.00	0.00	0.14	0.00	1.7E+00	5.0E+02	5.0E+02	2.0E+01			
160	0.61	0.25	0.01	0.13	0.00	4.6E-03	1.0E+01	1.0E+01	8.0E+00			
161	0.56	0.29	0.00	0.14	0.00	1.1E-01	1.0E+02	1.0E+02	5.0E+01			
162	0.55	0.25	0.00	0.19	0.00	2.3E-01	1.0E+04	1.0E+04	3.0E+03			
163	0.59	0.00	0.00	0.14	0.27	3.5E+00	5.0E+02	1.0E+02	2.0E+01			
164	0.59	0.00	0.00	0.14	0.27	8.0E-01	3.0E+06	2.0E+06	1.0E+06			
165	0.54	0.02	0.25	0.19	0.00	1.0E+01	2.0E+01	2.0E+01	5.0E+00			2.1E+00
166	0.86	0.00	0.00	0.14	0.00	1.9E+01	1.0E+03	2.0E+02	1.0E+02			
167	0.73	0.04	0.02	0.19	0.02	5.5E-01	5.0E+01	5.0E+01	N/A			
168	0.86	0.00	0.00	0.14	0.00	1.4E+01	2.0E+04	1.0E+04	1.0E+03			
169	0.84	0.00	0.02	0.14	0.00	2.6E+01	3.0E+04	2.0E+04	1.0E+04			
170	0.86	0.00	0.00	0.14	0.00	3.9E+01	1.0E+04	5.0E+03	5.0E+03			
171	0.84	0.00	0.02	0.14	0.00	4.4E+00	1.0E+04	1.0E+03	1.0E+02			
172	0.71	0.25	0.02	0.02	0.00	8.8E-02	1.7E+00	8.0E-01	1.7E-01			
173	0.99	0.00	0.00	0.01	0.00	4.6E-01	3.0E+02	1.0E+02	5.0E+01			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
174	0.74	0.25	0.00	0.01	0.00	2.8E-02	5.0E+02	5.0E+02	2.0E+01			
175	0.74	0.25	0.00	0.01	0.00	1.1E-02	1.0E+01	1.0E+01	8.0E+00			
176	0.74	0.25	0.00	0.01	0.00	1.6E-01	1.0E+02	1.0E+02	5.0E+01			
177	0.72	0.25	0.02	0.01	0.00	8.2E-01	1.0E+04	1.0E+04	3.0E+03			
178	0.70	0.25	0.00	0.04	0.00	5.3E-02	5.0E+02	1.0E+02	2.0E+01			
179	0.72	0.25	0.00	0.03	0.00	3.1E-02	3.0E+06	2.0E+06	1.0E+06			
180	0.67	0.27	0.02	0.04	0.00	4.5E-01	2.0E+01	2.0E+01	5.0E+00			
181	0.74	0.25	0.00	0.01	0.00	4.4E-01	1.0E+03	2.0E+02	1.0E+02			
182	0.95	0.04	0.00	0.01	0.00	2.2E-01	5.0E+01	5.0E+01	N/A			
183	0.72	0.27	0.00	0.01	0.00	2.0E-01	2.0E+04	1.0E+04	1.0E+03			
184	0.99	0.00	0.00	0.01	0.00	4.1E-01	3.0E+04	2.0E+04	1.0E+04			
185	0.72	0.27	0.00	0.01	0.00	5.4E-01	1.0E+04	5.0E+03	5.0E+03			
186	0.72	0.25	0.00	0.03	0.00	1.2E-01	1.0E+04	1.0E+03	1.0E+02			
187	0.95	0.00	0.02	0.03	0.00	1.3E+00	1.7E+00	8.0E-01	1.7E-01		1.7E+00	7.8E+00
188	0.69	0.25	0.02	0.04	0.00	4.1E-02	1.7E+00	8.0E-01	1.7E-01			
189	0.69	0.31	0.00	0.00	0.00	2.4E-01	8.0E-01	5.0E-01	2.0E-01			
190	0.99	0.00	0.00	0.00	0.00	8.9E-01	3.0E+00	2.0E+00	1.3E+00			
191	0.74	0.25	0.00	0.00	0.00	1.8E-01	5.0E+02	3.0E+02	1.0E+02			
192	0.73	0.25	0.00	0.02	0.00	7.5E-02	3.0E+01	2.0E+01	2.0E+01			
193	0.99	0.00	0.00	0.00	0.00	1.4E+00	1.0E+03	1.0E+03	5.0E+02			
194	0.73	0.27	0.00	0.00	0.00	2.4E-01	2.0E+04	2.0E+04	1.0E+04			
195	0.94	0.00	0.00	0.05	0.00	8.5E-01	1.0E+04	1.0E+04	3.0E+03			
196	0.74	0.25	0.00	0.00	0.00	4.5E-01	5.0E+06	2.0E+06	1.0E+06			
197	0.97	0.00	0.00	0.02	0.00	6.3E-01	2.0E+01	2.0E+01	1.0E+01			
198	0.73	0.27	0.00	0.00	0.00	5.6E-01	3.0E+02	2.0E+02	1.0E+02			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	Threshold Ratio > 1 95% MOE	Threshold Ratio > 1 99% MOE
199	0.99	0.00	0.00	0.00	0.00	2.1E-01	1.0E+03	1.0E+03	N/A			
200	0.98	0.00	0.00	0.02	0.00	5.6E-01	1.0E+04	5.0E+03	3.0E+03			
201	0.99	0.00	0.00	0.00	0.00	1.9E+00	2.0E+03	1.0E+03	1.0E+03			
202	0.97	0.00	0.00	0.02	0.00	9.5E-01	2.0E+03	1.0E+03	1.0E+03			
203	0.99	0.00	0.00	0.00	0.00	9.2E-01	5.0E+02	1.0E+02	3.0E+01			
204	0.50	0.00	0.00	0.00	0.50	1.9E+00	4.0E-01	2.0E-01	8.0E-02	4.8E+00	9.6E+00	2.4E+01
205	0.50	0.00	0.00	0.00	0.50	2.1E-01	5.0E+01	2.0E+01	N/A			
206	0.25	0.25	0.00	0.00	0.50	4.1E-02	2.0E+03	1.0E+03	1.0E+03			
207	0.50	0.00	0.00	0.00	0.50	1.7E-01	5.0E+02	5.0E+02	3.0E+02			
208	0.50	0.00	0.00	0.00	0.50	8.0E-01	3.0E+03	2.0E+03	1.0E+03			
209	0.50	0.00	0.00	0.00	0.50	4.1E-01	5.0E+04	5.0E+04	2.0E+04			
210	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+03	2.0E+03	1.0E+03			
211	0.50	0.00	0.00	0.00	0.50	3.0E-01	3.0E+06	2.0E+06	1.0E+06			
212	0.25	0.25	0.00	0.00	0.50	8.3E-02	1.0E+02	6.0E+01	2.0E+01			
213	0.50	0.00	0.00	0.00	0.50	3.6E-01	5.0E+01	3.0E+01	2.0E+01			
214	0.25	0.25	0.00	0.00	0.50	3.1E-02	1.0E+04	1.0E+04	1.0E+04			
215	0.50	0.00	0.00	0.00	0.50	2.3E-01	3.0E+03	1.0E+03	1.0E+03			
216	0.50	0.00	0.00	0.00	0.50	1.9E+00	3.0E+05	1.0E+05	1.0E+05			
217	0.50	0.00	0.00	0.00	0.50	3.3E-01	2.0E+04	2.0E+04	1.0E+04			
218	0.50	0.00	0.00	0.00	0.50	1.2E+00	3.0E+04	2.0E+04	5.0E+03			
219	0.58	0.28	0.01	0.14	0.00	1.3E-01	1.7E+00	8.0E-01	1.7E-01			
220	0.59	0.28	0.01	0.13	0.00	1.7E-01	3.0E+02	1.0E+02	5.0E+01			
221	0.59	0.28	0.01	0.13	0.00	2.6E-01	5.0E+02	5.0E+02	2.0E+01			
222	0.58	0.28	0.01	0.13	0.00	8.5E-02	1.0E+01	1.0E+01	8.0E+00			
223	0.61	0.03	0.26	0.11	0.00	1.8E+00	1.0E+02	1.0E+02	5.0E+01			

(continued)

Table D-4b. (continued)

Index	CountZero	CountP1	CountM1	Count888	Count999	P2 UCL/P1UCL	90% MOE UCL2/UCL1 Threshold	95% MOE UCL2/UCL1 Threshold	99% MOE UCL2/UCL1 Threshold	Threshold Ratio > 1 90% MOE	95% MOE	99% MOE
224	0.61	0.03	0.26	0.11	0.00	4.6E+00	1.0E+04	1.0E+04	3.0E+03			
225	0.86	0.03	0.01	0.11	0.00	2.0E+01	5.0E+02	1.0E+02	2.0E+01			
226	0.86	0.03	0.01	0.11	0.00	8.0E+01	3.0E+06	2.0E+06	1.0E+06			
227	0.79	0.06	0.01	0.14	0.00	1.1E+00	2.0E+01	2.0E+01	5.0E+00			
228	0.57	0.03	0.26	0.14	0.00	1.4E+01	1.0E+03	2.0E+02	1.0E+02			
229	0.82	0.03	0.01	0.14	0.00	1.0E+00	5.0E+01	5.0E+01	N/A			
230	0.61	0.03	0.26	0.11	0.00	9.5E+00	2.0E+04	1.0E+04	1.0E+03			
231	0.61	0.03	0.26	0.11	0.00	1.2E+01	3.0E+04	2.0E+04	1.0E+04			
232	0.55	0.03	0.26	0.16	0.00	3.3E+02	1.0E+04	5.0E+03	5.0E+03			
233	0.55	0.03	0.26	0.16	0.00	3.3E+01	1.0E+04	1.0E+03	1.0E+02			
234	0.96	0.04	0.00	0.00	0.00	7.6E-01	4.0E-01	2.0E-01	8.0E-02			
235	1.00	0.00	0.00	0.00	0.00	7.5E-01	3.0E+00	2.0E+00	N/A			
236	0.75	0.25	0.00	0.00	0.00	1.8E-01	5.0E+02	3.0E+02	1.0E+02			
237	0.74	0.25	0.00	0.00	0.00	7.5E-02	3.0E+01	2.0E+01	2.0E+01			
238	1.00	0.00	0.00	0.00	0.00	8.9E-01	1.0E+03	1.0E+03	5.0E+02			
239	0.70	0.25	0.00	0.05	0.00	2.4E-01	2.0E+04	2.0E+04	1.0E+04			
240	0.95	0.00	0.00	0.05	0.00	4.3E-01	3.0E+03	2.0E+03	1.0E+03			
241	0.75	0.25	0.00	0.00	0.00	4.5E-01	3.0E+06	2.0E+06	1.0E+06			
242	0.75	0.25	0.00	0.00	0.00	4.3E+00	2.0E+01	2.0E+01	1.0E+01			
243	0.75	0.25	0.00	0.00	0.00	4.5E-01	5.0E+01	3.0E+01	2.0E+01			
244	0.75	0.25	0.00	0.00	0.00	5.1E+00	1.0E+03	1.0E+03	N/A			
245	1.00	0.00	0.00	0.00	0.00	5.6E-01	3.0E+03	1.0E+03	1.0E+03			
246	1.00	0.00	0.00	0.00	0.00	1.6E+00	2.0E+03	1.0E+03	1.0E+03			
247	0.96	0.00	0.00	0.04	0.00	9.1E-01	2.0E+03	1.0E+03	1.0E+03			
248	1.00	0.00	0.00	0.00	0.00	2.1E+00	5.0E+02	1.0E+02	3.0E+01			

Appendix E

Particulate Matter (PM) Megavariable Comparisons for Option 1 Floor SDL and Option 1D SDL

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Appendix E

Particulate Matter (PM) Megavariable Comparisons for Option 1 Floor SDL and Option 1D SDL

Table E-1 gives the results of the statistical comparisons for particulate matter (PM) emission reductions for Option 1. Included are the results from the baseline to the MACT Option 1 floor and from the baseline to MACT Option 1D, which is EPA's preferred option for PM. The table shows the individual megavariable results and the overall results in terms of Grand Scores and normalized counts for each type of outcome for each source category. In the context of PM emission reductions, *negative* grand scores indicate a tendency toward *greater* risk reduction and *positive* scores indicate a tendency toward *lesser* risk reduction.

Table E-1. Megavariable Comparisons for PM Emission Reductions for Baseline to MACT Option 1 Floor and Option 1D [a]

Source Category	Megavariable	Grand Score	Reliability	Count 0	Count +1	Count -1	Count 888	Count 999
Option 1 floor								
ALL_LB	Emissions	0.20	1.0	0.93	0.07	0.00	0.00	0.00
	Stack	0.50	1.0	0.50	0.50	0.00	0.00	0.00
	Meteorology	0.50	1.5	0.42	0.10	0.00	0.47	0.01
	Population	0.00	1.3	0.93	0.03	0.03	0.00	0.00
	OVERALL	0.23	1.2	0.81	0.07	0.01	0.12	0.00
ALL_SB	Emissions	0.00	3.0	0.90	0.00	0.00	0.00	0.10
	Stack	0.50	2.0	0.25	0.25	0.00	0.00	0.50
	Meteorology	0.00	3.0	0.64	0.00	0.00	0.10	0.26
	Population	0.00	3.0	0.63	0.00	0.00	0.00	0.37
	OVERALL	0.00	3.0	0.77	0.00	0.00	0.03	0.21
ALL_HAF	Emissions	0.50	2.1	0.50	0.50	0.00	0.00	0.00
	Stack	-0.25	3.2	0.72	0.00	0.25	0.03	0.00
	Meteorology	0.00	3.1	0.52	0.00	0.00	0.47	0.01
	Population	0.00	2.9	0.90	0.00	0.00	0.10	0.00
	OVERALL	0.25	2.5	0.61	0.25	0.00	0.14	0.00
ALL_INCIN	Emissions	0.40	1.0	0.43	0.50	0.03	0.03	0.00
	Stack	-0.05	1.5	0.98	0.00	0.02	0.00	0.00
	Meteorology	0.00	1.5	0.95	0.00	0.00	0.04	0.01
	Population	0.00	1.3	1.00	0.00	0.00	0.00	0.00
	OVERALL	0.20	1.2	0.70	0.25	0.02	0.03	0.00
ALL_CK	Emissions	0.10	2.7	0.97	0.03	0.00	0.00	0.00
	Stack	0.00	3.7	0.97	0.02	0.02	0.00	0.00
	Meteorology	0.00	4.0	0.99	0.00	0.00	0.01	0.01
	Population	-0.05	3.4	0.98	0.00	0.02	0.00	0.00
	OVERALL	0.04	3.2	0.98	0.02	0.00	0.00	0.00
	Emissions	1.00	1.0	0.00	0.50	0.00	0.00	0.50
	Stack	0.50	1.5	0.25	0.25	0.00	0.00	0.50
	Meteorology	0.00	2.0	0.50	0.00	0.00	0.00	0.50
	Population	0.00	2.0	0.50	0.00	0.00	0.00	0.50
	OVERALL	0.50	1.5	0.25	0.25	0.00	0.00	0.50

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Table E-1. (continued)

Source Category	Megavariable	Grand Score	Reliability	Count 0	Count +1	Count -1	Count 888	Count 999
Option 1D								
ALL_LB	Emissions	0.20	1.0	0.93	0.07	0.00	0.00	0.00
	Stack	0.50	1.0	0.50	0.50	0.00	0.00	0.00
	Meteorology	0.50	1.5	0.42	0.10	0.00	0.47	0.01
	Population	0.00	1.3	0.93	0.03	0.03	0.00	0.00
	OVERALL	0.23	1.2	0.81	0.07	0.01	0.12	0.00
ALL_SB	Emissions	-0.50	2.5	0.40	0.00	0.50	0.00	0.10
	Stack	0.50	2.0	0.25	0.25	0.00	0.00	0.50
	Meteorology	0.00	3.0	0.64	0.00	0.00	0.10	0.26
	Population	0.00	3.0	0.63	0.00	0.00	0.00	0.37
	OVERALL	-0.25	2.8	0.52	0.00	0.25	0.03	0.21
ALL_HAF	Emissions	0.50	2.1	0.50	0.50	0.00	0.00	0.00
	Stack	-0.25	3.2	0.72	0.00	0.25	0.03	0.00
	Meteorology	0.00	3.1	0.52	0.00	0.00	0.47	0.01
	Population	0.00	2.9	0.90	0.00	0.00	0.10	0.00
	OVERALL	0.25	2.5	0.61	0.25	0.00	0.14	0.00
ALL_INCIN	Emissions	0.40	1.0	0.43	0.50	0.03	0.03	0.00
	Stack	-0.05	1.5	0.98	0.00	0.02	0.00	0.00
	Meteorology	0.00	1.5	0.95	0.00	0.00	0.04	0.01
	Population	0.00	1.3	1.00	0.00	0.00	0.00	0.00
	OVERALL	0.20	1.2	0.70	0.25	0.02	0.03	0.00
ALL_CK	Emissions	0.10	2.7	0.97	0.03	0.00	0.00	0.00
	Stack	0.00	3.7	0.97	0.02	0.02	0.00	0.00
	Meteorology	0.00	4.0	0.99	0.00	0.00	0.01	0.01
	Population	-0.05	3.4	0.98	0.00	0.02	0.00	0.00
	OVERALL	0.04	3.2	0.98	0.02	0.00	0.00	0.00
	Emissions	1.00	1.0	0.00	0.50	0.00	0.00	0.50
	Stack	0.50	1.5	0.25	0.25	0.00	0.00	0.50
	Meteorology	0.00	2.0	0.50	0.00	0.00	0.00	0.50
	Population	0.00	2.0	0.50	0.00	0.00	0.00	0.50
	OVERALL	0.50	1.5	0.25	0.25	0.00	0.00	0.50

[a] The "Overall" Grand Score reflects a weighting scenario with the following megavariable weights: Emissions 2; Stack 0; Meteorology 1; and Population 1.

The comparisons show identical results for the Option 1 floor and Option 1D emission reductions for PM, with the exception of solid fuel-fired boilers (SBs). For solid fuel-fired boilers, EPA is proposing a "beyond-the-floor" PM standard that affords greater emission reductions. This is reflected in the "emission" megavariable scores.

For two of the source categories assessed in the risk assessment for the 1999 rule, i.e., incinerators (INCIN) and cement kilns (CK), the small megavariable scores and high fraction of neutral ("0") counts suggest strong similarities, as expected. The differences seen for incinerators in the emission megavariable is due to the fact that PM emission reductions are projected to be considerably lower than for the 1999 rule. This is a reflection of the fact that most PM emission reductions are attributable to the interim standards rule, which serves as the baseline for the currently proposed rule for Phase I sources. For LWAKs, both the emission and stack megavariable results indicate a tendency toward lesser risk reduction. Changes in the stack megavariable results are due in part to the fact that two out of the five LWAK facilities evaluated in the 1999 rule have stopped burning hazardous wastes and are therefore no longer included in the universe of sources covered by the proposed rule.

For liquid fuel-fired boilers (LBs), the positive emission, stack, and meteorology megavariable scores all indicate a tendency toward less risk reduction (on a per facility basis), as compared to the Phase I comparison group (i.e., the universe of incinerators evaluated in the 1999 rule). The stack scores are a reflection of the fact that LB emissions have considerably higher buoyancy and somewhat lower stack heights than the Phase I incinerators evaluated in the 1999 rule. For solid fuel-fired boilers (SBs), the negative emission scores for Option 1D indicate greater emission reductions (on a per facility basis). This is partially offset by the positive stack scores, which are attributable to differences in stack height. However the reliability indices are relatively low due to the small number of facilities with hazardous-waste-burning, solid fuel-fired boilers.

No PM emission reductions are projected to occur for hydrochloric acid production furnaces (HAFs) under the currently proposed rule and that is reflected in the positive emission megavariable score. In addition, the negative stack megavariable scores indicates a tendency toward greater risk reduction (if there were to be PM emission reductions). This is because hydrochloric acid production furnace emissions have relatively low buoyancy.

On balance, the comparative analysis reveals some dissimilarities between the Phase II sources (both liquid and solid fuel-fired boilers and hydrochloric acid production furnaces) and the corresponding comparison group (the universe of incinerators evaluated in the 1999 Phase I rule). These dissimilarities, together with the small number of facilities in the solid fuel-fired boiler source category, suggest a heightened degree of uncertainty in drawing conclusions regarding PM-related risk reductions for the Phase II sources based on the risk analysis done for the 1999 rule.

Appendix F

Detailed RelRisk Outputs for Selected Comparisons

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Table F-1a. COMP2_TEQ_RELRSK.CSV — Index Record 16 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TEQ	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	0	50	Wilcoxon	3	-	-	999	999	999	999	999	999	999	999
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	0	50	Wilcoxon	3	999	999	-	-	0	4	0	4	0	4
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	0	50	Wilcoxon	3	999	999	0	4	-	-	0	4	0	4
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	0	4	0	4	-	-	0	4
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	0	4	0	4	0	4	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	999	999
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	888	50	Wilcoxon	2	999	999	0	4	0	4	0	4	0	4
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	0	4	0	4	0	4	0	4
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	1	50	Chi Square	2	999	999	1	1	0	4	0	4	0	4
WS1	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	0	4
WS3	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	888	1	0	4	0	4
WS5	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	0	4
WS10	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	0	4
A_FARM	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	1	1	0	4	0	4	0	4
B_FARM	OPT 1 FLOOR SDL	ALL_INCIN	P2_DRY_LB	-1	25	Chi Square	1	999	999	1	1	0	4	0	4	0	4

(continued)

Table F-1b. COMP2_TEQ_RELRSK.CSV — Index Record 16 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
HEIGHT	0	4	0	4	0	4	0	4	1	1	0	4	0	4	0	4	0	4	1	1	1	1
BUOYFLUX	0	4	0	4	0	4	0	4	0	4	0	4	888	1	0	4	0	4	0	4	0	4
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX1000	-	-	999	999	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
SC_ABC	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	888	1	0	4	0	4	0	4	0	4
CIRCVAR	0	4	0	4	0	4	0	4	-	-	0	4	0	4	0	4	888	1	0	4	0	4
WS1	0	4	0	4	0	4	0	4	0	4	-	-	888	1	0	4	0	4	0	4	0	4
WS3	0	4	0	4	0	4	888	1	0	4	888	1	-	-	0	4	888	1	0	4	0	4
WS5	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	888	1	0	4
WS10	0	4	0	4	0	4	0	4	888	1	0	4	888	1	0	4	-	-	0	4	0	4
A_FARM	0	4	0	4	0	4	0	4	0	4	0	4	0	4	888	1	0	4	-	-	999	999
B_FARM	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	999	999	-	-

(continued)

Table F-1c. COMP2_TEQ_RELRSK.CSV — Index Record 16 of Table 7-2

Emissions Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.5
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Stack Mega-Variable Results:
GSMV = 0.1875
GSMV Reliability = 2.9375
CountZeroMV = 0.9
CountP1MV = 0.05
CountM1MV = 0
Count888MV = 1.666667E-02
Count999MV = 3.333334E-02
Meteorological Mega-Variable Results:
GSMV = 0.625
GSMV Reliability = 2.625
CountZeroMV = 0.6111111
CountP1MV = 0.1066667
CountM1MV = 0
Count888MV = 0.24
Count999MV = 4.222222E-02
Population Mega-Variable Results:
GSMV = -8.333332E-02
GSMV Reliability = 2.25
CountZeroMV = 0.6333333
CountP1MV = 3.333334E-02
CountM1MV = 0.25
Count888MV = 1.666667E-02
Count999MV = 6.666667E-02
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = 0.1354167
GrandScore Reliability = 2.71875
CountZero = 0.5611111
CountP1 = 0.035
CountM1 = 0.0625
Count888 = 6.416667E-02
Count999 = 0.2772222
Pred MOE for 50% MOE = 10.81601
Pred MOE for 90% MOE = 0.8652811
Pred MOE for 95% MOE = 0.4326406
Pred MOE for 99% MOE = 0.1838722

Table F-2a. COMP4_CL2_RELRSK.CSV — Index Record 26 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
CL2	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	999	999	999	999	999	999	999	999	0	4
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	999	999	999	999	999	999	999	999	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS1	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS3	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS5	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS10	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
B_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4

(continued)

Table F-2b. COMP4_CL2_RELRSK.CSV — Index Record 26 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
CL2	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-2c. COMP4_CL2_RELRSK.CSV — Index Record 26 of Table 7-2

Emissions Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.4
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6166667
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2833334
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.4
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = 0
GrandScore Reliability = 2
CountZero = 0.6041667
CountP1 = 0
CountM1 = 0
Count888 = 0.025
Count999 = 0.3708333
Pred MOE for 50% MOE = 14.40708
Pred MOE for 90% MOE = 7.203541
Pred MOE for 95% MOE = 2.161062
Pred MOE for 99% MOE = 0.360177

Table F-3a. COMP4_HCL_RELRSK.CSV — Index Record 27 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
CL2	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	999	999	999	999	999	999	999	999	0	4
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	999	999	999	999	999	999	999	999	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS1	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS3	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS5	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS10	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
B_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4

(continued)

Table F-3b. COMP4_HCL_RELRSK.CSV — Index Record 27 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
CL2	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-3c. COMP4_HCL_RELRSK.CSV — Index Record 27 of Table 7-2

Emissions Mega-Variable Results:
GSMV = -1
GSMV Reliability = 1
CountZeroMV = 0.1
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0.4
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6166667
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2833334
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.4
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.5
GrandScore Reliability = 1.5
CountZero = 0.3541667
CountP1 = 0
CountM1 = 0.25
Count888 = 0.025
Count999 = 0.3708333
Pred MOE for 50% MOE = 14.34576
Pred MOE for 90% MOE = 1.434576
Pred MOE for 95% MOE = 1.434576
Pred MOE for 99% MOE = 0.7172878

Table F-4a. COMP4_SB_RELRSK.CSV — Index Record 28 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
SB	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	-1	50	Chi Square	1	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	0	4
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS1	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS3	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS5	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS10	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
B_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4

(continued)

Table F-4b. COMP4_SB_RELRSK.CSV — Index Record 28 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
SB	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-4c. COMP4_SB_RELRSK.CSV — Index Record 28 of Table 7-2

Emissions Mega-Variable Results:
GSMV = -0.5
GSMV Reliability = 2.5
CountZeroMV = 0.4
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0.1
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6361111
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2638889
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6333333
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.3666667
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.25
GrandScore Reliability = 2.75
CountZero = 0.5173612
CountP1 = 0
CountM1 = 0.25
Count888 = 0.025
Count999 = 0.2076389
Pred MOE for 50% MOE = 53.62201
Pred MOE for 90% MOE = 0.3217321
Pred MOE for 95% MOE = 0.3217321
Pred MOE for 99% MOE = 0.107244

Table F-5a. COMP4_BA_RELRSK.CSV — Index Record 31 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
BA	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	-1	50	Chi Square	1	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	0	4
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS1	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS3	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS5	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS10	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
B_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4

(continued)

Table F-5b. COMP4_BA_RELRSK.CSV — Index Record 31 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
BA	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-5c. COMP4_BA_RELRSK.CSV — Index Record 31 of Table 7-2

Emissions Mega-Variable Results:
GSMV = -0.5
GSMV Reliability = 2.5
CountZeroMV = 0.4
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0.1
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6361111
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2638889
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6333333
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.3666667
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.25
GrandScore Reliability = 2.75
CountZero = 0.5173612
CountP1 = 0
CountM1 = 0.25
Count888 = 0.025
Count999 = 0.2076389
Pred MOE for 50% MOE = 143.398
Pred MOE for 90% MOE = 3.58495
Pred MOE for 95% MOE = 2.15097
Pred MOE for 99% MOE = 0.7169901

Table F-6a. COMP4_TL_RELRSK.CSV — Index Record 32 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	-1	50	Chi Square	1	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	0	4
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS1	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS3	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS5	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS10	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
B_ALL	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4

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Table F-6b. COMP4_TL_RELRSK.CSV — Index Record 32 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TL	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-6c. COMP4_TL_RELRSK.CSV — Index Record 32 of Table 7-2

Emissions Mega-Variable Results:
GSMV = -0.5
GSMV Reliability = 2.5
CountZeroMV = 0.4
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0.1
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6361111
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2638889
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6333333
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.3666667
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.25
GrandScore Reliability = 2.75
CountZero = 0.5173612
CountP1 = 0
CountM1 = 0.25
Count888 = 0.025
Count999 = 0.2076389
Pred MOE for 50% MOE = 266.867
Pred MOE for 90% MOE = 8.006009
Pred MOE for 95% MOE = 0.533734
Pred MOE for 99% MOE = 0.266867

Table F-7a. COMP5_TEQ_RELRSK.CSV — Index Record 33 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TEQ	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	-	-	0	4	0	4	0	4	0	4
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	0	4	-	-	0	4	888	1	0	4
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	-1	50	Chi Square	2	0	4	0	4	-	-	0	4	888	1
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	888	1	0	3	-	-	0	3
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	2	0	4	0	4	888	1	0	4	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	888	1	0	4	888	1
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	888	1	0	4	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	0	4	0	4	0	3	0	4	0	3
WS1	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Wilcoxon	2	0	4	0	4	0	3	0	4	0	3
WS3	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	888	1	0	4	888	1	0	4	888	1
WS5	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
WS10	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
A_FARM	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	2	1	1	0	4	0	3	0	4	0	3
B_FARM	OPT 1 FLOOR SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	0	4	0	4	0	3	0	4	0	3

(continued)

Table F-7b. COMP5_TEQ_RELRSK.CSV — Index Record 33 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	0	4	0	4	0	4	0	4	0	4	0	4	888	1	0	4	0	4	1	1	0	4
HEIGHT	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
BUOYFLUX	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
PRECIP	0	3	0	3	0	3	0	3	0	3	888	1	0	3	0	3	0	3	0	3	0	3
MIX500	999	999	999	999	888	1	888	1	0	3	0	3	888	1	888	1	0	3	0	3	0	3
MIX1000	-	-	999	999	888	1	888	1	0	3	0	3	888	1	888	1	0	3	0	3	0	3
MIX1500	888	1	-	-	0	3	0	3	0	3	0	3	888	1	0	3	0	3	0	3	0	3
SC_ABC	888	1	888	1	-	-	0	3	888	1	0	3	0	3	0	3	0	3	0	3	0	3
SC_EFG	888	1	888	1	0	3	-	-	0	3	0	3	0	3	888	1	888	1	0	3	0	3
CIRCVAR	0	3	0	3	888	1	0	3	-	-	0	3	0	3	0	3	0	3	0	3	0	3
WS1	0	3	0	3	0	3	0	3	0	3	-	-	0	3	888	1	0	3	0	3	0	3
WS3	888	1	888	1	0	3	0	3	0	3	0	3	-	-	0	3	0	3	0	3	0	3
WS5	888	1	888	1	0	3	888	1	0	3	888	1	0	3	-	-	888	1	0	3	0	3
WS10	0	3	0	3	0	3	888	1	0	3	0	3	0	3	888	1	-	-	0	3	0	3
A_FARM	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	-	-	-1	1
B_FARM	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	-1	1	-	-

(continued)

Table F-7c. COMP5_TEQ_RELRSK.CSV — Index Record 33 of Table 7-2

Emissions Mega-Variable Results:
GSMV = 0.1
GSMV Reliability = 3.2
CountZeroMV = 0.9333333
CountP1MV = 3.333334E-02
CountM1MV = 0
Count888MV = 3.333334E-02
Count999MV = 0
Stack Mega-Variable Results:
GSMV = -0.25
GSMV Reliability = 3.25
CountZeroMV = 0.7166667
CountP1MV = 0
CountM1MV = 0.25
Count888MV = 3.333334E-02
Count999MV = 0
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3.2
CountZeroMV = 0.5283334
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.4627778
Count999MV = 8.888889E-03
Population Mega-Variable Results:
GSMV = -0.05
GSMV Reliability = 2.6
CountZeroMV = 0.95
CountP1MV = 1.666667E-02
CountM1MV = 3.333334E-02
Count888MV = 0
Count999MV = 0
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = 0.0375
GrandScore Reliability = 3.05
CountZero = 0.83625
CountP1 = 2.083333E-02
CountM1 = 8.333334E-03
Count888 = 0.1323611
Count999 = 2.222222E-03
Pred MOE for 50% MOE = 0.499231
Pred MOE for 90% MOE = 3.993848E-02
Pred MOE for 95% MOE = 1.996924E-02
Pred MOE for 99% MOE = 8.486927E-03

Table F-8a. COMP7_TEQ_RELRSK.CSV — Index Record 63 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TEQ	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	-1	75	Chi Square	2	-	-	0	3	0	2	0	3	0	2
HEIGHT	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	1	10	Chi Square	1	0	3	-	-	0	2	0	2	0	2
BUOYFLUX	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	1	10	Chi Square	1	0	2	0	2	-	-	0	2	0	2
PRECIP	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	3	0	2	0	1	-	-	0	1
MIX500	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	-	-
MIX1000	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
MIX1500	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	999	999
SC_ABC	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
SC_EFG	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
CIRCVAR	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	3	0	2	0	2	0	1	0	2	0	1
WS1	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
WS3	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
WS5	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
WS10	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
A_FARM	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Wilcoxon	2	0	4	-1	1	0	3	0	3	0	3
B_FARM	OPT 1 FLOOR SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Wilcoxon	4	0	4	0	3	0	3	0	3	0	3

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Table F-8b. COMP7_TEQ_RELRSK.CSV — Index Record 63 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	4	0	4
HEIGHT	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	-1	1	0	3
BUOYFLUX	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	3	0	3
PRECIP	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	3	0	3
MIX500	999	999	888	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	888	1	888	1
MIX1000	-	-	999	999	0	1	0	1	0	1	0	1	0	1	0	1	0	1	888	1	888	1
MIX1500	0	1	-	-	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	3	0	3
SC_ABC	0	1	0	1	-	-	0	1	0	1	0	1	888	1	0	1	0	1	0	3	0	3
SC_EFG	0	1	0	1	0	1	-	-	0	1	0	1	0	1	0	1	0	1	0	3	0	3
CIRCVAR	0	1	0	1	0	1	0	1	-	-	0	1	0	1	0	1	0	1	-1	1	0	3
WS1	0	1	0	1	0	1	0	1	0	1	-	-	0	1	0	1	0	1	0	3	0	3
WS3	0	1	0	1	888	1	0	1	0	1	0	1	-	-	0	1	0	1	0	3	888	1
WS5	0	1	0	1	0	1	0	1	0	1	0	1	0	1	-	-	0	1	0	3	888	1
WS10	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	-	-	0	3	0	3
A_FARM	888	1	888	1	0	3	0	3	-1	1	0	3	0	3	0	3	0	3	-	-	-1	1
B_FARM	888	1	888	1	0	3	0	3	0	3	0	3	888	1	888	1	0	3	-1	1	-	-

(continued)

Table F-8c. COMP7_TEQ_RELRSK.CSV — Index Record 63 of Table 7-2

Emissions Mega-Variable Results:
GSMV = -0.5
GSMV Reliability = 2.5
CountZeroMV = 0.5
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0
Stack Mega-Variable Results:
GSMV = 0.45
GSMV Reliability = 1.65
CountZeroMV = 0.4833333
CountP1MV = 0.5
CountM1MV = 1.666667E-02
Count888MV = 0
Count999MV = 0
Meteorological Mega-Variable Results:
GSMV = -0.1
GSMV Reliability = 2.4
CountZeroMV = 0.9672222
CountP1MV = 0
CountM1MV = 6.666667E-03
Count888MV = 1.944445E-02
Count999MV = 6.666667E-03
Population Mega-Variable Results:
GSMV = -0.2
GSMV Reliability = 2.7
CountZeroMV = 0.8333334
CountP1MV = 0
CountM1MV = 6.666667E-02
Count888MV = 0.1
Count999MV = 0
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.325
GrandScore Reliability = 2.525
CountZero = 0.7001389
CountP1 = 0
CountM1 = 0.2683333
Count888 = 2.986111E-02
Count999 = 1.666667E-03
Pred MOE for 50% MOE = 32.20733
Pred MOE for 90% MOE = 2.576586
Pred MOE for 95% MOE = 1.288293
Pred MOE for 99% MOE = 0.5475246

Table F-9a. COMP10_TEQ_RELRSK.CSV — Index Record 80 of Table 7-2

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TEQ	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	-1	50	Chi Square	1	-	-	999	999	999	999	999	999	999	999
HEIGHT	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	1	50	Chi Square	1	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	999	999
MIX500	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	-	-
MIX1000	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
MIX1500	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
SC_ABC	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
SC_EFG	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
CIRCVAR	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
WS1	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
WS3	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
WS5	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
WS10	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
A_FARM	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999
B_FARM	OPT 1 FLOOR SDL	LWAK	NEW_P1_ALL_LWAK	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	999	999

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Table F-9b. COMP10_TEQ_RELRSK.CSV — Index Record 80 of Table 7-2

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
MIX500	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
MIX1000	-	-	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
MIX1500	999	999	-	-	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
SC_ABC	999	999	999	999	-	-	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
SC_EFG	999	999	999	999	999	999	-	-	999	999	999	999	999	999	999	999	999	999	999	999	999	999
CIRCVAR	999	999	999	999	999	999	999	999	-	-	999	999	999	999	999	999	999	999	999	999	999	999
WS1	999	999	999	999	999	999	999	999	999	999	-	-	999	999	999	999	999	999	999	999	999	999
WS3	999	999	999	999	999	999	999	999	999	999	999	999	-	-	999	999	999	999	999	999	999	999
WS5	999	999	999	999	999	999	999	999	999	999	999	999	999	999	-	-	999	999	999	999	999	999
WS10	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	-	-	999	999	999	999
A_FARM	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	-	-	999	999
B_FARM	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	-	-

(continued)

Table F-9c. COMP10_TEQ_RELRSK.CSV — Index Record 80 of Table 7-2

Emissions Mega-Variable Results:
GSMV = -1
GSMV Reliability = 1
CountZeroMV = 0
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0.5
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 1.5
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.5
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.5
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.5
GrandScore Reliability = 1.5
CountZero = 0.25
CountP1 = 0
CountM1 = 0.25
Count888 = 0
Count999 = 0.5
Pred MOE for 50% MOE = 0.9974216
Pred MOE for 90% MOE = 0.7979373
Pred MOE for 95% MOE = 0.2992265
Pred MOE for 99% MOE = 0.1994843

Table F-10a. COMP14_TEQ_RELVSK.CSV — Index Record 16 of Table 7-3

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TEQ	OPT 1D SDL	All_INCIN	P2_DRY_LB	0	50	Wilcoxon	3	-	-	999	999	999	999	999	999	999	999
HEIGHT	OPT 1D SDL	All_INCIN	P2_DRY_LB	0	50	Wilcoxon	3	999	999	-	-	0	4	0	4	0	4
BUOYFLUX	OPT 1D SDL	All_INCIN	P2_DRY_LB	0	50	Wilcoxon	3	999	999	0	4	-	-	0	4	0	4
PRECIP	OPT 1D SDL	All_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	0	4	0	4	-	-	0	4
MIX500	OPT 1D SDL	All_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	0	4	0	4	0	4	-	-
MIX1000	OPT 1D SDL	All_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	999	999
MIX1500	OPT 1D SDL	All_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	999	999
SC_ABC	OPT 1D SDL	All_INCIN	P2_DRY_LB	888	50	Wilcoxon	2	999	999	0	4	0	4	0	4	0	4
SC_EFG	OPT 1D SDL	All_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	0	4	0	4	0	4	0	4
CIRCVAR	OPT 1D SDL	All_INCIN	P2_DRY_LB	1	50	Chi Square	2	999	999	1	1	0	4	0	4	0	4
WS1	OPT 1D SDL	All_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	0	4
WS3	OPT 1D SDL	All_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	888	1	0	4	0	4
WS5	OPT 1D SDL	All_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	0	4
WS10	OPT 1D SDL	All_INCIN	P2_DRY_LB	888	50	Chi Square	1	999	999	0	4	0	4	0	4	0	4
A_FARM	OPT 1D SDL	All_INCIN	P2_DRY_LB	0	50	Wilcoxon	2	999	999	1	1	0	4	0	4	0	4
B_FARM	OPT 1D SDL	All_INCIN	P2_DRY_LB	-1	25	Chi Square	1	999	999	1	1	0	4	0	4	0	4

(continued)

11 **Table F-10b. COMP14_TEQ_RELRSK.CSV — Index Record 26 of Table 7-3**

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
HEIGHT	0	4	0	4	0	4	0	4	1	1	0	4	0	4	0	4	0	4	1	1	1	1
BUOYFLUX	0	4	0	4	0	4	0	4	0	4	0	4	888	1	0	4	0	4	0	4	0	4
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX1000	-	-	999	999	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
SC_ABC	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	888	1	0	4	0	4	0	4	0	4
CIRCVAR	0	4	0	4	0	4	0	4	-	-	0	4	0	4	0	4	888	1	0	4	0	4
WS1	0	4	0	4	0	4	0	4	0	4	-	-	888	1	0	4	0	4	0	4	0	4
WS3	0	4	0	4	0	4	888	1	0	4	888	1	-	-	0	4	888	1	0	4	0	4
WS5	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	888	1	0	4
WS10	0	4	0	4	0	4	0	4	888	1	0	4	888	1	0	4	-	-	0	4	0	4
A_FARM	0	4	0	4	0	4	0	4	0	4	0	4	0	4	888	1	0	4	-	-	999	999
B_FARM	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	999	999	-	-

(continued)

Table F-10c. COMP14_TEQ_RELRSK.CSV — Index Record 26 of Table 7-3

Emissions Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.5
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Stack Mega-Variable Results:
GSMV = 0.1875
GSMV Reliability = 2.9375
CountZeroMV = 0.9
CountP1MV = 0.05
CountM1MV = 0
Count888MV = 1.666667E-02
Count999MV = 3.333334E-02
Meteorological Mega-Variable Results:
GSMV = 0.625
GSMV Reliability = 2.625
CountZeroMV = 0.6111111
CountP1MV = 0.1066667
CountM1MV = 0
Count888MV = 0.24
Count999MV = 4.222222E-02
Population Mega-Variable Results:
GSMV = -8.333332E-02
GSMV Reliability = 2.25
CountZeroMV = 0.6333333
CountP1MV = 3.333334E-02
CountM1MV = 0.25
Count888MV = 1.666667E-02
Count999MV = 6.666667E-02
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = 0.1354167
GrandScore Reliability = 2.71875
CountZero = 0.5611111
CountP1 = 0.035
CountM1 = 0.0625
Count888 = 6.416667E-02
Count999 = 0.2772222
Pred MOE for 50% MOE = 50.19691
Pred MOE for 90% MOE = 4.015752
Pred MOE for 95% MOE = 2.007876
Pred MOE for 99% MOE = 0.8533474

Table F-11a. COMP16_CL2_RELRSK.CSV — Index Record 26 of Table 7-3

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
CL2	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	999	999	999	999	999	999	999	999	0	4
MIX1500	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	999	999	999	999	999	999	999	999	999	999
SC_ABC	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
SC_EFG	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS1	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS3	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS5	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
WS10	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4
B_ALL	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	999	999	0	4

(continued)

Table F-11b. COMP16_CL2_RELRSK.CSV — Index Record 26 of Table 7-3

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_FARM	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_FARM	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-11c. COMP16_CL2_RELRSK.CSV — Index Record 26 of Table 7-3

Emissions Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.4
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6166667
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2833334
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 2
CountZeroMV = 0.6
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.4
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = 0
GrandScore Reliability = 2
CountZero = 0.6041667
CountP1 = 0
CountM1 = 0
Count888 = 0.025
Count999 = 0.3708333
Pred MOE for 50% MOE = 26.65062
Pred MOE for 90% MOE = 13.32531
Pred MOE for 95% MOE = 3.997593
Pred MOE for 99% MOE = 0.6662655

Table F-12a. COMP16_SB_RELRSK.CSV — Index Record 27 of Table 7-3

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
SB	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	-1	50	Chi Square	1	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	0	4
MIX1500	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	999	999
SC_ABC	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
SC_EFG	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS1	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS3	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS5	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS10	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
B_ALL	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4

(continued)

Table F-12b. COMP16_SB_RELRSK.CSV — Index Record 27 of Table 7-3

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
SB	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-12c. COMP16_SB_RELRSK.CSV — Index Record 27 of Table 7-3

Emissions Mega-Variable Results:
GSMV = -0.5
GSMV Reliability = 2.5
CountZeroMV = 0.4
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0.1
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6361111
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2638889
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6333333
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.3666667
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.25
GrandScore Reliability = 2.75
CountZero = 0.5173612
CountP1 = 0
CountM1 = 0.25
Count888 = 0.025
Count999 = 0.2076389
Pred MOE for 50% MOE = 108.2455
Pred MOE for 90% MOE = 0.6494732
Pred MOE for 95% MOE = 0.6494732
Pred MOE for 99% MOE = 0.2164911

Table F-13a. COMP16_TL_RELRSK.CSV — Index Record 32 of Table 7-3

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TL	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	-1	50	Chi Square	1	-	-	999	999	999	999	999	999	0	4
HEIGHT	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	1	50	Wilcoxon	2	999	999	-	-	999	999	999	999	999	999
BUOYFLUX	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	-	-	999	999	999	999
PRECIP	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	999	999	999	999	999	999	-	-	0	4
MIX500	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Wilcoxon	2	0	4	999	999	999	999	999	999	-	-
MIX1000	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	0	4
MIX1500	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	888	50	Chi Square	1	0	4	999	999	999	999	999	999	999	999
SC_ABC	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
SC_EFG	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
CIRCVAR	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS1	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS3	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS5	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
WS10	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	999	999
A_ALL	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4
B_ALL	OPT 1D SDL	ALL_INCIN	P2_ALL_SB	0	50	Wilcoxon	2	0	4	999	999	999	999	999	999	0	4

(continued)

Table F-13b. COMP16_TL_RELRSK.CSV — Index Record 32 of Table 7-3

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TL	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
HEIGHT	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
BUOYFLUX	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
PRECIP	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
MIX500	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1000	-	-	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
MIX1500	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	999	999	0	4	0	4
SC_ABC	999	999	999	999	-	-	0	4	999	999	999	999	999	999	999	999	0	4	999	999	999	999
SC_EFG	0	4	0	4	0	4	-	-	0	4	0	4	0	4	0	4	0	4	0	4	0	4
CIRCVAR	999	999	999	999	999	999	0	4	-	-	999	999	999	999	999	999	0	4	999	999	999	999
WS1	999	999	999	999	999	999	0	4	999	999	-	-	999	999	999	999	0	4	999	999	999	999
WS3	999	999	999	999	999	999	0	4	999	999	999	999	-	-	999	999	0	4	999	999	999	999
WS5	999	999	999	999	999	999	0	4	999	999	999	999	999	999	-	-	0	4	999	999	999	999
WS10	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	-	-	0	4	0	4
A_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	-	-	999	999
B_ALL	999	999	999	999	999	999	0	4	999	999	999	999	999	999	999	999	0	4	999	999	-	-

(continued)

Table F-13c. COMP16_TL_RELRSK.CSV — Index Record 32 of Table 7-3

Emissions Mega-Variable Results:
GSMV = -0.5
GSMV Reliability = 2.5
CountZeroMV = 0.4
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0.1
Stack Mega-Variable Results:
GSMV = 0.5
GSMV Reliability = 2
CountZeroMV = 0.25
CountP1MV = 0.25
CountM1MV = 0
Count888MV = 0
Count999MV = 0.5
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6361111
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.1
Count999MV = 0.2638889
Population Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3
CountZeroMV = 0.6333333
CountP1MV = 0
CountM1MV = 0
Count888MV = 0
Count999MV = 0.3666667
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.25
GrandScore Reliability = 2.75
CountZero = 0.5173612
CountP1 = 0
CountM1 = 0.25
Count888 = 0.025
Count999 = 0.2076389
Pred MOE for 50% MOE = 525.2883
Pred MOE for 90% MOE = 15.75865
Pred MOE for 95% MOE = 1.050577
Pred MOE for 99% MOE = 0.5252883

Table F-14a. COMP17_TEQ_RELRSK.CSV — Index Record 33 of Table 7-3

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TEQ	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	-	-	0	4	0	4	0	4	0	4
HEIGHT	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	0	4	-	-	0	4	888	1	0	4
BUOYFLUX	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	-1	50	Chi Square	2	0	4	0	4	-	-	0	4	888	1
PRECIP	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	888	1	0	3	-	-	0	3
MIX500	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	2	0	4	0	4	888	1	0	4	-	-
MIX1000	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	888	1	0	4	888	1
MIX1500	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	888	1	0	4	999	999
SC_ABC	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
SC_EFG	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
CIRCVAR	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	0	4	0	4	0	3	0	4	0	3
WS1	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Wilcoxon	2	0	4	0	4	0	3	0	4	0	3
WS3	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	888	1	0	4	888	1	0	4	888	1
WS5	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
WS10	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	888	50	Chi Square	1	0	4	0	4	0	3	0	4	0	3
A_FARM	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	2	1	1	0	4	0	3	0	4	0	3
B_FARM	OPT 1D SDL	ALL_INCIN	P2_ALL_HAF	0	50	Wilcoxon	3	0	4	0	4	0	3	0	4	0	3

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Table F-14b. COMP17_TEQ_RELRSK.CSV — Index Record 33 of Table 7-3

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	0	4	0	4	0	4	0	4	0	4	0	4	888	1	0	4	0	4	1	1	0	4
HEIGHT	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
BUOYFLUX	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
PRECIP	0	3	0	3	0	3	0	3	0	3	888	1	0	3	0	3	0	3	0	3	0	3
MIX500	999	999	999	999	888	1	888	1	0	3	0	3	888	1	888	1	0	3	0	3	0	3
MIX1000	-	-	999	999	888	1	888	1	0	3	0	3	888	1	888	1	0	3	0	3	0	3
MIX1500	888	1	-	-	0	3	0	3	0	3	0	3	888	1	0	3	0	3	0	3	0	3
SC_ABC	888	1	888	1	-	-	0	3	888	1	0	3	0	3	0	3	0	3	0	3	0	3
SC_EFG	888	1	888	1	0	3	-	-	0	3	0	3	0	3	888	1	888	1	0	3	0	3
CIRCVAR	0	3	0	3	888	1	0	3	-	-	0	3	0	3	0	3	0	3	0	3	0	3
WS1	0	3	0	3	0	3	0	3	0	3	-	-	0	3	888	1	0	3	0	3	0	3
WS3	888	1	888	1	0	3	0	3	0	3	0	3	-	-	0	3	0	3	0	3	0	3
WS5	888	1	888	1	0	3	888	1	0	3	888	1	0	3	-	-	888	1	0	3	0	3
WS10	0	3	0	3	0	3	888	1	0	3	0	3	0	3	888	1	-	-	0	3	0	3
A_FARM	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	-	-	-1	1
B_FARM	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	0	3	-1	1	-	-

(continued)

Table F-14c. COMP17_TEQ_RELRSK.CSV — Index Record 33 of Table 7-3

Emissions Mega-Variable Results:
GSMV = 0.1
GSMV Reliability = 3.2
CountZeroMV = 0.9333333
CountP1MV = 3.333334E-02
CountM1MV = 0
Count888MV = 3.333334E-02
Count999MV = 0
Stack Mega-Variable Results:
GSMV = -0.25
GSMV Reliability = 3.25
CountZeroMV = 0.7166667
CountP1MV = 0
CountM1MV = 0.25
Count888MV = 3.333334E-02
Count999MV = 0
Meteorological Mega-Variable Results:
GSMV = 0
GSMV Reliability = 3.2
CountZeroMV = 0.5283334
CountP1MV = 0
CountM1MV = 0
Count888MV = 0.4627778
Count999MV = 8.888889E-03
Population Mega-Variable Results:
GSMV = -0.05
GSMV Reliability = 2.6
CountZeroMV = 0.95
CountP1MV = 1.666667E-02
CountM1MV = 3.333334E-02
Count888MV = 0
Count999MV = 0
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = 0.0375
GrandScore Reliability = 3.05
CountZero = 0.83625
CountP1 = 2.083333E-02
CountM1 = 8.333334E-03
Count888 = 0.1323611
Count999 = 2.222222E-03
Pred MOE for 50% MOE = 3.868471
Pred MOE for 90% MOE = 0.3094777
Pred MOE for 95% MOE = 0.1547388
Pred MOE for 99% MOE = 0.065764

Table F-15a. COMP19_TEQ_RELRSK.CSV — Index Record 63 of Table 7-3

VarName	MACT Option	P1_ Category	P2_Category	Pctl Score	Pctl	PctlScore_ Method	PctlReliability	VarName/Emission_ CorrScore	VarName/Emission_ CorrScore Reliability	VarName/HEIGHT_ CorrScore	VarName/HEIGHT_ CorrScore_Reliability	VarName/BUOYFLUX_ CorrScore	VarName/BUOYFLUX_ CorrScore_Reliability	VarName/PRECIP_ CorrScore	VarName/PRECIP_ CorrScore_Reliability	VarName/MIX500_ CorrScore	VarName/MIX500_ CorrScore_Reliability
TEQ	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	-1	75	Chi Square	2	-	-	0	3	0	2	0	3	0	2
HEIGHT	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	1	10	Chi Square	1	0	3	-	-	0	2	0	2	0	2
BUOYFLUX	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	1	10	Chi Square	1	0	2	0	2	-	-	0	2	0	2
PRECIP	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	3	0	2	0	1	-	-	0	1
MIX500	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	-	-
MIX1000	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
MIX1500	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	999	999
SC_ABC	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
SC_EFG	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
CIRCVAR	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	3	0	2	0	2	0	1	0	2	0	1
WS1	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
WS3	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
WS5	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
WS10	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Chi Square	1	0	2	0	2	0	1	0	2	0	1
A_FARM	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Wilcoxon	2	0	4	-1	1	0	3	0	3	0	3
B_FARM	OPT 1D SDL	ALL_INCIN	NEW_P1_DRY_ALL_INCIN	0	50	Wilcoxon	4	0	4	0	3	0	3	0	3	0	3

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Table F-15b. COMP19_TEQ_RELRSK.CSV — Index Record 63 of Table 7-3

VarName	VarName/MIX1000_CorrScore	VarName/MIX1000_CorrScore_Reliability	VarName/MIX1500_CorrScore	VarName/MIX1500_CorrScore_Reliability	VarName/SC_ABC_CorrScore	VarName/SC_ABC_CorrScore_Reliability	VarName/SC_EFG_CorrScore	VarName/SC_EFG_CorrScore_Reliability	VarName/CIRCVAR_CorrScore	VarName/CIRCVAR_CorrScore_Reliability	VarName/WS1_CorrScore	VarName/WS1_CorrScore_Reliability	VarName/WS3_CorrScore	VarName/WS3_CorrScore_Reliability	VarName/WS5_CorrScore	VarName/WS5_CorrScore_Reliability	VarName/WS10_CorrScore	VarName/WS10_CorrScore_Reliability	VarName/ALPHA_CorrScore	VarName/ALPHA_CorrScore_Reliability	VarName/BETA_CorrScore	VarName/BETA_CorrScore_Reliability
TEQ	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	4	0	4
HEIGHT	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	-1	1	0	3
BUOYFLUX	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	2	0	3	0	3
PRECIP	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	3	0	3
MIX500	999	999	888	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	888	1	888	1
MIX1000	-	-	999	999	0	1	0	1	0	1	0	1	0	1	0	1	0	1	888	1	888	1
MIX1500	0	1	-	-	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	3	0	3
SC_ABC	0	1	0	1	-	-	0	1	0	1	0	1	888	1	0	1	0	1	0	3	0	3
SC_EFG	0	1	0	1	0	1	-	-	0	1	0	1	0	1	0	1	0	1	0	3	0	3
CIRCVAR	0	1	0	1	0	1	0	1	-	-	0	1	0	1	0	1	0	1	-1	1	0	3
WS1	0	1	0	1	0	1	0	1	0	1	-	-	0	1	0	1	0	1	0	3	0	3
WS3	0	1	0	1	888	1	0	1	0	1	0	1	-	-	0	1	0	1	0	3	888	1
WS5	0	1	0	1	0	1	0	1	0	1	0	1	0	1	-	-	0	1	0	3	888	1
WS10	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	-	-	0	3	0	3
A_FARM	888	1	888	1	0	3	0	3	-1	1	0	3	0	3	0	3	0	3	-	-	-1	1
B_FARM	888	1	888	1	0	3	0	3	0	3	0	3	888	1	888	1	0	3	-1	1	-	-

(continued)

Table F-15c. COMP19_TEQ_RELRSK.CSV — Index Record 63 of Table 7-3

Emissions Mega-Variable Results:
GSMV = -0.5
GSMV Reliability = 2.5
CountZeroMV = 0.5
CountP1MV = 0
CountM1MV = 0.5
Count888MV = 0
Count999MV = 0
Stack Mega-Variable Results:
GSMV = 0.45
GSMV Reliability = 1.65
CountZeroMV = 0.4833333
CountP1MV = 0.5
CountM1MV = 1.666667E-02
Count888MV = 0
Count999MV = 0
Meteorological Mega-Variable Results:
GSMV = -0.1
GSMV Reliability = 2.4
CountZeroMV = 0.9672222
CountP1MV = 0
CountM1MV = 6.666667E-03
Count888MV = 1.944445E-02
Count999MV = 6.666667E-03
Population Mega-Variable Results:
GSMV = -0.2
GSMV Reliability = 2.7
CountZeroMV = 0.8333334
CountP1MV = 0
CountM1MV = 6.666667E-02
Count888MV = 0.1
Count999MV = 0
OVERALL RESULTS ACROSS MEGA-VARIABLES:
GrandScore = -0.325
GrandScore Reliability = 2.525
CountZero = 0.7001389
CountP1 = 0
CountM1 = 0.2683333
Count888 = 2.986111E-02
Count999 = 1.666667E-03
Pred MOE for 50% MOE = 32.20733
Pred MOE for 90% MOE = 2.576586
Pred MOE for 95% MOE = 1.288293
Pred MOE for 99% MOE = 0.5475246

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