

NMI Unmonitored Exposure Matrix Summary

No.	Exposure	Exposure Type	Plant Building	Process Area	Date	Supporting Affidavits						Page	Para
1	DU chip fire	airborne			1979			X				2	1 - 6
2	Foam Encapsulation Fires	airborne			1979-1981			X				3 - 5	4 - 9
										X		2	6
3a	HF Acid Treatments	airborne			1980-1983			X				5	1 - 5
3b	derby breakout	airborne			1980-1983			X				6	6 - 7
4	Induction Solu ionizing Expts	airborne & external			1979			X				6 - 7	2 - 4
5	Foundry Expt Exposures	airborne & external			1979-1982			X				7 - 8, 18	2 - 9, 4
								X				12-Nov	24
						X	X					7	2
												3	4
6	UF4 Reduction	airborne & external			1979-1982			X				8 - 12	3 - 8, 10, 13 - 14, 17 - 24
									X			1	9
									X			2	1
						X						4	7 - 8
						X						5	1 - 8
						X						6	1 - 2
									X			3	3 - 7
									X			4	1 - 2
							X					3	last
							X					4	1
							X					5	2 - 4
							X					4	last
							X					5	1 - 3
										X		1	5
										X		1	5
7	DU Chip Processing Fires	airborne & external			1980-1983			X				12 - 13	1 - 6
8	Test Range Recycling	airborne			1981-1982			X				13 - 14	1 - 4
9	Molten Salt Recycling Fires	airborne & external			1981-1982			X				14	1 - 4
10	Off site Experiments	airborne & external	N/A	off site	1981			X				14 - 15	1 - 4
11	Off site ornanace testing	airborne & external		off site	1980-1987			X				15 - 16	1 - 3
										X		4	3 - 5
12	Furnace Maintenance	airborne & external			1978-1983			X				16	1 - 3
13	Liner Forming	airborne & external			1978-1983			X				16 - 17	1 - 3
14	Extrusion Press	airborne & external			1978-1983			X				17	1 - 2
16	Material Handling	airborne & external			1970-1983			X				18	1 - 3, 5 - 6
								X				20	4
								X				21	12 - 14, 17 - 19
								X				22	21
									X			2	2
						X						2	last
						X						8	3

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17	Radon fission product impact fresh vs aged DU impact	airborne	all	all	1970-1983			X				19	2	
								X				10	13 - 16	
								X				11	17 - 21	
								X				11	22 - 23	
								X				20	5	
								X				22-23	27 - 28	
18	Post Enriched License no decon	airborne & external	A, B, C, Butler Bldg.	all	1970-1983			X				11	21	
												X	19 - 20	2 - 7, 10
													1	3
19	Spent Fuel Rod Recycling	airborne & external	all	all	1970-1983			X				11	18 - 21	
								X				20	10	
								X				23	2 - 3	
								X				22	26	
20	Gatorade Stations	internal	all	all	1970-1983			X				18	4	
						X						1	4	
							X					2	3	
							X					6	last	
							X					7	2	
									X			2	3	
21	Process area smoking eating & drinking	internal	all	all	1970-1983			X				1	6	
								X				1	8	
								X				2	2 - 3	
										X		4	last	
							X					2	3 - 4	
							X					3	3	
							X					6	last	
							X					7	1	
							X					6	7 - last	
							X					7	1 - 3	
							X					14	4	
											X	1	2 - 3	
						X						1	4 - last	
								X				18	3, 7	
								X				19	8	
		X				22	21							
22	Unrestricted Access	airborne & external	all	all	1970-1983					X		1	6 - 7	
										X		4	6 - 7	
										X		5	item 3	
							X					18	1 - 3, 5 - 7	
							X					19	9 - 10	
							X					21	12 - 14, 18	

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23	Overuse of work gloves,	airborne & external	A, B, C, Butler Bldg.	all	1970-1983	X							1	4				
	shoes and uniforms					X									4	2		
24	safety glasses enforcement	external	all	all	1978-1983			X					8	8				
25	CAF Line Fires	airborne	C	Mezzanine	1977-1983		X						2	1 - 2				
											X			1	4			
26	Chip drum Fire	airborne	C	Mezzanine	1982		X						3	5 - 7				
27	Improper PAM use	airborne	C	Foundry	1970-1983		X							5	3 - 4			
								X								2	6	
								X									4	10
								X									7	4, 12
								X									8	6
								X									12	4
								X									13	2, 6
								X									14	4
								X									15	2
								X									16	2
								X									17	2
								X					1	2				
28	Foundry Exposures	airborne & external	C	Foundry	1970-1983	X							2	2 - 5				
						X									3	1 - 8		
								X								8	4 - 6, 9	
								X								9	8	
								X								10	8 - 9	
						X										4	1 - 5	
29	Metallography Lab Fires	airborne & external	C	Metallography Lab	1970-1983						X	1	4					
30	Improper equpt. Decon	airborne & external	all	all	1978-1983			X				1	3 - 5					
31	Storage Container Exposures	airborne & external	Outside	Cargo Containers	1977-1983			X				2	2					
32	Small lathe fires	airborne	C	Machine Shop	1978-1983			X				2	3					
33	Acid Neutral. Pond	airborne & external	Outside	Acid Pond	1977-1983			X				2	last					