



DEFENSE LOGISTICS AGENCY  
DEFENSE DISTRIBUTION CENTER  
2001 MISSION DRIVE  
NEW CUMBERLAND, PA 17070-5000

J-8

January 7, 2005

IN REPLY  
REFER TO

DES DDC-EE

## MEMORANDUM FOR RECORD

SUBJECT: Release of Building 562 at DDRT

37-30062-01  
03033261

A close-out survey was conducted in Building 562 in 2003 and the results sent to the NRC for release of the building. The NRC requested an additional fixed contamination survey, which was performed and forwarded to the NRC in a memo dated November 18, 2004. Analysis indicates the survey results are indistinguishable from background. There was some ambiguity with the original data sheets and the relevant data was transferred to corrected survey data sheets; however, this was not done for the Building 435 data sheet and there are several other points that need clarification. Per discussion with Mr. Jim Schmidt, this memo provides further clarification of the information provided.

The Ludlum Scalar 2224 was used with 43-89, 100 cm<sup>2</sup> Probe, for both alpha and beta static surveys using a two (2) minute count time; consequently, data units are in counts per 2 minutes. The "DPM CPM eff" column was to represent dpm = cpm/efficiency and therefore represented the data in dpm. However the calculation actually multiplied the cp2m data by the efficiency. Attached is a corrected spreadsheet for Building 435 that also clarifies the columns.

The information in the "Remarks" section was for swipe surveys taken in Building 435. This data was not necessary for evaluating the release of Building 562 and therefore these data sheets were not attached.

Also note, the dose rate measurement for Building 562 collected in January 2003 indicate levels of 12-14 uRem/hr near the building walls as apposed to 6 uRem/hr for the interior; however, this distinction is not made with the June 2004 dose rate measurements. Since the dose rate measurements were in the original Final Status Survey Report for Building 562, it was overlooked when evaluating the package. The surveyor had reported what he thought was corrected data due to the influence of the brick walls. The dose rate data reported with the fixed contamination survey was not used in evaluating the area for release and should not have been included. For this reason and because an error was discovered in units for the corrected fixed contamination survey for Building 562, another corrected version of the survey results is attached and should be used to replace the previous corrected data.

This memorandum for record is provided as part of the Final Status Survey Report for Building 562, Defense Distribution Depot Red River, Texas. Dave Mack (717) 770-4762 should be contacted if further clarification is necessary.

  
DAVID C. MACK  
DDC Safety Manager  
Radiation Safety Officer

Attachments

136024  
NMGS/RGNI MATERIALS-002

## CORRECTED REFERENCE DATA

For Building 435

Survey Point	Dose Rate (mrem/hr)	Beta		Alpha	
		cp2m/100 cm <sup>2</sup>	dpm/100 cm <sup>2</sup>	cp2m/100 cm <sup>2</sup>	dpm/100 cm <sup>2</sup>
1	0.004	512	2133	1	4
2	0.004	525	2188	6	25
3	0.004	444	1850	6	25
4	0.004	498	2075	6	25
5	0.004	540	2250	4	17
6	0.004	541	2254	2	8
7	0.004	549	2288	3	13
8	0.004	550	2292	3	13
9	0.004	485	2021	6	25
10	0.004	518	2158	4	17
11	0.004	487	2029	3	13
12	0.004	508	2117	3	13
13	0.004	519	2163	3	13
14	0.004	526	2192	0	0
15	0.004	525	2188	3	13
16	0.004	531	2213	3	13
17	0.004	477	1988	4	17
18	0.004	511	2129	3	13
19	0.004	513	2138	3	13
20	0.004	429	1788	6	25
21	0.004	513	2138	6	25
22	0.004	584	2433	5	21
23	0.004	464	1933	4	17
24	0.004	498	2075	2	8
25	0.004	509	2121	5	21
26	0.004	496	2067	4	17
27	0.004	511	2129	6	25
28	0.004	503	2096	4	17
29	0.004	534	2225	6	25
30	0.004	484	2017	1	4

**Fixed Contamination Survey Results for  
Building 562, Zone 3**

	Dose Rate	Beta		Alpha			Dose Rate	Beta		Alpha	
	mrem/hr	cp2m	dpm	cp2m	dpm		mrem/hr	cp2m	dpm	cp2m	dpm
1	0.004	522	2175	4	17	101	0.004	514	2142	2	8
2	0.004	416	1733	6	25	102	0.004	528	2200	2	8
3	0.004	409	1704	6	25	103	0.004	484	2017	1	4
4	0.004	470	1958	4	17	104	0.004	498	2075	4	17
5	0.004	458	1908	4	17	105	0.004	436	1817	4	17
6	0.004	508	2117	2	8	106	0.004	512	2133	3	13
7	0.004	496	2067	3	13	107	0.004	512	2133	3	13
8	0.004	486	2025	3	13	108	0.004	485	2021	5	21
9	0.004	467	1946	3	13	109	0.004	429	1788	1	4
10	0.004	445	1854	4	17	110	0.004	513	2138	6	25
11	0.004	491	2046	3	13	111	0.004	499	2079	2	8
12	0.004	468	1950	2	8	112	0.004	503	2096	2	8
13	0.004	496	2075	2	8	113	0.004	484	2017	2	8
14	0.004	473	1971	0	0	114	0.004	526	2192	3	13
15	0.004	419	1746	3	13	115	0.004	494	2058	4	17
16	0.004	456	1900	4	17	116	0.004	467	1946	4	17
17	0.004	500	2083	4	17	117	0.004	489	2038	2	8
18	0.004	458	1908	4	17	118	0.004	413	1721	1	4
19	0.004	529	2204	3	13	119	0.004	492	2050	3	13
20	0.004	461	1921	3	13	120	0.004	498	2075	3	13
21	0.004	502	2092	2	8	121	0.004	519	2163	3	13
22	0.004	497	2071	2	8	122	0.004	500	2083	5	21
23	0.004	453	1888	2	8	123	0.004	517	2154	5	21
24	0.004	541	2254	4	17	124	0.004	501	2088	4	17
25	0.004	419	1746	6	25	125	0.004	532	2217	4	17
26	0.004	431	1796	6	25	126	0.004	538	2242	4	17
27	0.004	500	2083	2	8	127	0.004	511	2129	5	21
28	0.004	573	2388	1	4	128	0.004	526	2192	5	21
29	0.004	462	1925	1	4	129	0.004	489	2038	4	17
30	0.004	477	1988	3	13	130	0.004	437	1821	4	17
31	0.004	498	2075	4	17	131	0.004	491	2046	0	0
32	0.004	530	2208	5	21	132	0.004	499	2079	2	8
33	0.004	511	2129	2	8	133	0.004	500	2083	2	8
34	0.004	517	2154	5	21	134	0.004	581	2421	1	4
35	0.004	483	2013	5	21	135	0.004	509	2121	1	4
36	0.004	491	2046	4	17	136	0.004	502	2092	1	4
37	0.004	432	1800	4	17	137	0.004	497	2071	0	0
38	0.004	488	2033	1	4	138	0.004	433	1804	3	13
39	0.004	411	1713	3	13	139	0.004	461	1921	3	13
40	0.004	499	2079	3	13	140	0.004	478	1992	4	17
41	0.004	502	2092	2	8	141	0.004	473	1971	4	17
42	0.004	582	2425	1	4	142	0.004	492	2050	2	8
43	0.004	458	1908	5	21	143	0.004	498	2075	4	17
44	0.004	500	2083	2	8	144	0.004	482	2008	5	21
45	0.004	444	1850	3	13	145	0.004	500	2083	3	13
46	0.004	462	1925	4	17	146	0.004	508	2117	2	8
47	0.004	504	2100	2	8	147	0.004	442	1842	2	8
48	0.004	501	2088	2	8	148	0.004	526	2192	2	8
49	0.004	498	2075	1	4	149	0.004	531	2213	2	8
50	0.004	471	1963	1	4	150	0.004	429	1788	3	13

**Fixed Contamination Survey Results for  
Building 562, Zone 3**

	Dose Rate		Beta		Alpha			Dose Rate		Beta		Alpha	
	mrem/hr	cp2m	dpm	cp2m	dpm		mrem/hr	cp2m	dpm	cp2m	dpm		dpm
51	0.004	451	1879	3	13	151	0.004	449	1871	2	8		
52	0.004	418	1742	2	8	152	0.004	457	1904	4	17		
53	0.004	483	2013	3	13	153	0.004	431	1796	4	17		
54	0.004	436	1817	3	13	154	0.004	458	1908	5	21		
55	0.004	511	2129	6	25	155	0.004	484	2017	5	21		
56	0.004	456	1900	4	17	156	0.004	498	2075	2	8		
57	0.004	433	1804	4	17	157	0.004	461	1921	0	0		
58	0.004	461	1921	4	17	158	0.004	534	2225	1	4		
59	0.004	488	2033	5	21	159	0.004	489	2038	3	13		
60	0.004	419	1746	5	21	160	0.004	512	2133	2	8		
61	0.004	503	2096	2	8	161	0.004	458	1908	1	4		
62	0.004	488	2033	2	8	162	0.004	463	1929	5	21		
63	0.004	510	2125	3	13	163	0.004	474	1975	5	21		
64	0.004	495	2063	3	13	164	0.004	493	2054	4	17		
65	0.004	476	1983	3	13	165	0.004	437	1821	4	17		
66	0.004	491	2046	1	4	166	0.004	460	1917	0	0		
67	0.004	411	1713	1	4	167	0.004	418	1742	1	4		
68	0.004	442	1842	0	0	168	0.004	432	1800	5	21		
69	0.004	477	1988	3	13	169	0.004	414	1725	4	17		
70	0.004	431	1796	5	21	170	0.004	455	1856	2	8		
71	0.004	500	2083	5	21	171	0.004	479	1896	3	13		
72	0.004	501	2088	5	21	172	0.004	453	1888	2	8		
73	0.004	492	2050	2	8	173	0.004	499	2079	2	8		
74	0.004	484	2017	2	8	174	0.004	503	2096	2	8		
75	0.004	502	2092	0	0	175	0.004	500	2083	3	13		
76	0.004	509	2121	2	8	176	0.004	499	2079	4	17		
77	0.004	451	1879	1	4	177	0.004	483	2013	4	17		
78	0.004	463	1929	1	4	178	0.004	500	2083	0	0		
79	0.004	496	2067	5	21	179	0.004	459	1913	3	13		
80	0.004	467	1946	4	17	180	0.004	492	2050	4	17		
81	0.004	485	2021	4	17	181	0.004	474	1975	4	17		
82	0.004	498	2075	4	17	182	0.004	497	2071	3	13		
83	0.004	444	1850	3	13	183	0.004	481	2046	1	4		
84	0.004	505	2104	3	13	184	0.004	500	2083	2	8		
85	0.004	472	1987	3	13	185	0.004	513	2138	2	8		
86	0.004	469	1954	3	13	186	0.004	502	2092	5	21		
87	0.004	499	2079	3	13	187	0.004	471	1963	2	8		
88	0.004	477	1988	4	17	188	0.004	446	1858	2	8		
89	0.004	492	2050	5	21	189	0.004	483	2054	6	25		
90	0.004	460	1917	1	4	190	0.004	433	1804	5	21		
91	0.004	418	1742	3	13	191	0.004	431	1796	5	21		
92	0.004	495	2063	2	8	192	0.004	526	2192	4	17		
93	0.004	503	2096	2	8	193	0.004	461	1921	4	17		
94	0.004	456	1900	4	17	194	0.004	507	2113	1	4		
95	0.004	436	1817	4	17	195	0.004	498	2079	2	8		
96	0.004	500	2083	5	21	196	0.004	479	1996	1	4		
97	0.004	481	2004	3	13	197	0.004	443	1846	3	13		
98	0.004	475	1979	3	13	198	0.004	501	2088	4	17		
99	0.004	514	2142	1	4	199	0.004	476	1983	4	17		
100	0.004	468	1950	1	4	200	0.004	500	2083	1	4		