

ARMY CHEM CORPS

OFFSITE - SMALLBOY

COMPLETE (except table #1 with  
onsite data)

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TABLE 2 OFF SITE RADIATION SURVEY ON ROUTE FROM AD TO AE (CONT'D.)

Distance from AD	D-10 Day back- ground	D + 1 Day		D + 2 Days		D + 5 Days		At time	Dose rate (Shield open)	At time
		Dose Rate (Shield closed)	hours	Dose Rate (Shield closed)	Dose Rate (Shield open)	Dose rate (Shield closed)	Dose rate (Shield open)			
miles	mr/hr	mr/hr	hours	mr/hr	mr/hr	hours	mr/hr	mr/hr	hours	
46.5		1.0	1114	0.6		1229	0.3		1246	
47.0		1.0	1117	0.6		1227	0.1		1244	
47.5		1.0	1120	0.6		1225	0.2		1243	
48.0		1.5	1123	0.5		1220	0.2		1241	
48.5	0.05	1.5	1125	0.5	1.6	1218	0.3	0.5	1239	
49.0		1.0	1127	0.6		1216	0.3		1237	
49.5		1.0	1129	0.6		1215	0.3		1235	
50.0		1.0	1131	0.7		1213	0.2		1233	
50.5		1.0	1134	0.8		1211	0.3		1230	
51.0		1.0	1136	0.6		1210	0.3		1228	
51.5		1.3	1139	0.6		1208	0.3		1226	
52.0		1.0	1142	0.6		1206	0.3		1225	
52.5		1.3	1143	0.6		1205	0.2		1223	
53.0		1.0	1145	0.6		1203	0.3		1221	
53.5		1.0	1148	0.6	1.3	1201	0.3	0.5	1219	
54.0		0.8	1151	0.6		1200	0.2		1215	
54.5		1.0	1153	0.5		1158	0.3		1213	
55.0		1.0	1155	0.5		1156	0.3		1211	
55.5		1.0	1157	0.5		1154	0.3		1209	
56.0		0.8	1159	0.5		1152	0.2		1207	
56.5		1.0	1201	0.4		1150	0.2		1205	
57.0		0.5	1204	0.5		1147	0.1		1204	
57.5		0.5	1206	0.4		1145	0.2		1203	
58.0		0.7	1207	0.4		1143	0.1		1202	
58.5		0.5	1209	0.3	1.0	1140	0.1	0.3	1200	

TABLE 3 OFF-SITE RADIATION SURVEY FROM AD TO AK (DESERT GAME RANGE PGS. TO US 93, 17 MILES NW OF GLENDALE)

Distance from AD	D-10 Day back-ground	D + 1 Day Dose Rate (Shield closed)	D + 1 Day At time	D + 2 Days Dose Rate (Shield open)	D + 2 Days At time
miles	mr/hr	mr/hr	hours	mr/hr	hours
0	0.01	0.04	0710	0.02	1445
0.5		0.03	0713		
1.0		0.03	0715		
1.5		0.03	0716		
2.0		0.02	0718		
2.5		0.02	0719		
3.0		0.02	0720		
3.5		0.02	0722		
4.0		0.01	0724	0.02	1435
4.5		0.02	0725		
5.0		0.01	0726		
5.5		0.02	0729		
6.0		0.02	0731		
6.5		0.02	0733		
7.0		0.02	0734		
7.5		0.02	0735		
8.0		0.02	0737		
8.5		0.01	0739		
9.0		0.02	0741	0.02	1425
9.5	0.01	0.03	0743		
10.0		0.02	0744		
10.5		0.02	0746		
11.0		0.02	0747		
11.5		0.02	0749		
12.0		0.02	0750		
12.5		0.02	0752		
13.0		0.01	0753		
13.5		0.02	0755		
14.0		0.02	0756	0.01	1400
14.5	0.01	0.01	0759		
15.0		0.02	0802		
15.5		0.02	0804		
16.0		0.02	0805		
16.5		0.02	0807		
17.0		0.02	0808		
17.5		0.02	0809		
18.0		0.02	0810		
18.5		0.02	0811		
19.0	0.02	0.02	0812	0.02	1356
19.5		0.02	0813		
20.0		0.02	0814		
20.5		0.02	0815		
21.0		0.02	0816		
21.5		0.02	0817		
22.0		0.01	0820		
22.5		0.01	0822		
23.0		0.01	0824		
23.5		0.02	0826		
24.0		0.02	0828	0.02	1345
24.5		0.02	0830		
25.0		0.02	0831		
25.5		0.02	0832		
26.0		0.02	0834		
26.5		0.02	0835		
27.0		0.02	0837		
27.5		0.02	0839		
28.0		0.02	0840		
28.5		0.02	0845		
29.0		0.02	0851	0.02	1320
29.5	0.02	0.02	0852		
30.0		0.02	0855		
30.5		0.02	0858		
31.0		0.02	0900		
31.5		0.02	0904		
32.0		0.02	0907		
32.5		0.02	0909		
33.0		0.02	0911		
33.5		0.02	0913		
34.0		0.01	0914	0.02	1300
34.5		0.02	0915		
35.0		0.02	0916		
35.5		0.02	0917		
36.0		0.02	0918		
36.5		0.02	0920		
37.0		0.02	0922		
37.5		0.02	0924		
38.0		0.02	0925		
38.5		0.02	0926		
39.0		0.02	0928	0.02	1250
39.5		0.02	0929		
40.0	0.01	0.02	0931		
40.5		0.02	0932		
41.0		0.01	0933		
41.5		0.01	0934		
42.0		0.02	0935		
42.5		0.02	0936		
43.0		0.02	0937		
43.5		0.02	0940		
44.0		0.02	0943	0.02	1237
44.5		0.02	0945		
45.0		0.02	0946		
45.5		0.02	0947		
46.0		0.02	0948		
46.5		0.02	0950		
47.0		0.02	0952		
47.5		0.02	0953		
48.0		0.02	0955		

TABLE 4 OFF-SITE RADIATION SURVEY FROM AK TO AJ (US 93, 17 TO 28 MILES NW OF GLENDALE)

Distance from AK	D-10 day back-ground	D+1 Day		D+2 Days	
		Dose Rate (Shield closed)	At time	Dose Rate (Shield open)	At time
miles	mr/hr	mr/hr	hours	mr/hr	hours
0		0.02	1050		
0.5	0.02	0.02	1051	0.02	1143
1.0		0.02	1052		
2.0		0.01	1054		
2.5		0.01	1055		
3.0		0.01	1056		
3.5		0.01	1057		
4.0		0.01	1058		
4.5		0.01	1059		
5.0		0.01	1100		
5.5		0.01	1100	0.02	1134
6.0		0.01	1100		
6.5		0.01	1102		
7.0		0.01	1103		
7.5		0.01	1104		
8.0		0.01	1105		
8.5		0.01	1107		
9.0		0.02	1108		
9.5		0.02	1109		
10.0		0.02	1111		
10.5		0.02	1112	0.03	1130
11.0	0.02	0.02	1113		
11.5		0.02	1114		
12.0		0.02	1115		
12.5		0.02	1116		

TABLE 5 OFF-SITE RADIATION SURVEY FROM ALAMO SOUTH VIA US 93

Distance from Alamo miles	UCLA station number	D-10 Day back-ground mr/hr	D + 1 Day		D + 2 Days	
			Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield open) mr/hr	At time hours
1.0			0.1	1152		
2.0			0.14	1150		
3.0			0.2	1147		
4.0			0.32	1145		
4.7	56-15				0.35	1249
5.0		< 0.5	0.4	1143	0.41	1252
6.0			0.4	1140		
7.0			0.46	1137		
7.5			0.35	1134		
8.0			0.5	1132		
8.5			0.7	1131		
8.6			1.1	1130	1.3	1258
9.0			0.8	1128	1.3	1301
9.5			0.8	1126		
10.0			0.6	1124		
10.5			0.7	1122		
10.6			1.0	1120	1.0	1305
11.0			0.7	1118		
11.5			0.7	1116		
12.0			0.9	1115		
12.5			0.9	1112		
12.8	56-11		1.4	1110	1.7	1312
13.0			0.8	1108		
13.5			1.2	1105		
14.0			0.9	1103	0.9	1314
14.5			0.9	1100		
15.0	56-10		1.1	1056	1.3	1316
15.5			0.7	1053		
16.0			0.7	1050		
17.0	56-9		0.32	1047		
17.5			0.27	1045	0.38	1322
18.0			0.24	1043		
18.5			0.21	1041		
18.9	56-8		0.19	1039		
19.0			0.25	1035	0.28	1327
19.5			0.14	1033	0.28	1328
20.0			0.15	1031		
20.5			0.17	1029		
20.9	56-7		0.15	1027		
21.0		< 0.5			0.28	1328
21.5			0.17	1024		
22.0			0.15	1021		
22.5			0.17	1018		
22.9	56-6		0.16	1016		
23.0			0.17	1014	0.23	1335
23.5			0.13	1011		
24.0			0.1	1009		
24.5			0.12	1007	0.17	1337
25.0	56-5		0.11	1004		
25.5			0.1	1002	0.15	1329
26.0			0.08	1000		
26.5			0.07	0958		
27.0	56-4		0.07	0955		
27.5			0.07	0953	0.1	1343
28.0			0.05	0950		
28.5			0.05	0946		
28.9	56-3		0.04	0945		
29.0			0.05	0940	0.05	1345
31.0		< 0.5			0.05	1346
33.0					0.03	1350
41.0		< 0.5			0.03	1353

TABLE 6 OFF-SITE RADIATION SURVEY FROM ALAMO VIA U S 93 TO CALIENTE

Distance from start  miles	D-10 Day back- ground  mr/hr	D + 1 Day		D + 2 Days		D + 5 Days	
		Dose Rate (Shield closed)  mr/hr	At time  hours	Dose Rate (Shield open)  mr/hr	At time  hours	Dose Rate (Shield closed)  mr/hr	At time  hours
1.7		0.11	1200				
2.7		0.09	1202				
3.7		0.07	1204	0.1	1243		
4.7		0.07	1206				
5.7		0.05	1208				
6.7		0.05	1210				
7.7		0.04	1212	0.07	1237		
8.7	<0.5						
18.7	<0.5						
23						0.02	1359
27				0.07	1203		
28	<0.5						
29		0.07	1318				
30		0.1	1320				
31		0.16	1325			0.04	1340
32		0.22	1328	0.35	1158		
33		0.24	1330				
34		0.27	1334			0.06	1334
35		0.28	1336				
36		0.31	1340				
37		0.31	1341	0.42	1151		
38	<0.5	0.3	1345				
39		0.25	1349				
40		0.25	1351			0.08	1320
41		0.3	1354				
42		0.27	1357	0.45	1146	0.08	1314
43		0.22	1400			0.08	1310
44		0.2	1403				
45		0.2	1405				
46		0.2	1407				
47		0.22	1410	0.38	1140		
48	<0.5	0.18	1414				
49		0.15	1417				
50		0.1	1420				
51		0.08	1422				
52		0.08	1425	0.23	1132		
55		0.07	1435			0.02	1247
56		0.08	1437				
57		0.08	1440	0.1	1126		

TABLE 7 OFF SITE RADIATION SURVEY ON ROUTE FROM AE VIA AG TO CALIENTE, NEVADA

Distance from AE	D-10 Day back- ground	D+1 Day		D+2 Days		D+5 Days			
		Dose Rate (Shield closed)	At time	Dose Rate (Shield closed)	Dose Rate (Shield open)	At time	Dose Rate (Shield closed)	Dose Rate (Shield open)	At time
miles	mr/hr	mr/hr	hours	mr/hr	mr/hr	hours	mr/hr	mr/hr	hours
0	0.03	1.0	1211	0.6		1055	0.3		1115
0.5		0.8	1213	0.4		1052	0.2		1112
1.0		0.8	1216	0.5		1050	0.1		1109
1.5		0.7	1218	0.4		1048	0.1		1107
2.0		0.7	1220	0.3		1044	0.3		1104
2.5		0.5	1221	0.4		1042	0.2		1102
3.0		0.5	1223	0.4		1040	0.2		1100
3.5		0.5	1225	0.2		1037	0.1		1058
4.0		0.5	1227	0.3		1034	0.2		1056
4.5		0.5	1230	0.4	0.8	1032	0.1	0.2	1055
5.0		0.4	1233	0.3		1030	0.1		1053
5.5		0.6	1235	0.2		1028	0.2		1052
6.0		0.5	1237	0.2		1026	0.2		1050
6.5		0.5	1239	0.3		1024	0.1		1047
7.0		0.4	1241	0.3		1022	0.1		1045
7.5		0.5	1243	0.4		1020	0.2		1045
8.0		0.6	1246	0.4		1019	0.3		1044
8.5		0.4	1248	0.3		1017	0.1		1042
9.0		0.4	1250	0.3		1015	0.2		1040
9.5	0.03	0.5	1352	0.4	1.0	1013	0.1	0.3	1039
10.0		0.8	1353	0.3		1010	0.3		1038
10.5		0.5	1355	0.3		0957	0.2		1036
11.0		0.4	1357	0.3		0955	0.1		1035
11.5		0.5	1359	0.4		0953	0.1		1032
12.0		0.5	1401	0.4		0949	0.2		1031
12.5		0.5	1404	0.3		0946	0.1		1029
13.0		0.4	1407	0.3		0942	0.1		1027
13.5		0.4	1409	0.3		0939	0.2		1020
14.0		0.3	1502	0.4	0.6	0935	0.2		1015
14.5								0.3	1020
19.5	0.03				0.8	0925		0.2	1600
24.5					1.0	0915		0.3	0945
29.5					0.5	0905		0.1	0919
30.5	0.04								
34.5					0.3	0855		0.2	0909
39.5					0.2	0845		0.08	0900
44.5								0.04	0845



TABLE 8 OFF-SITE RADIATION SURVEY FROM AJ TO AI TO CALIENTE (FROM US 93 VIA KANE SPRINGS WASH VIA ELGIN TO CALIENTE)

Distance from AJ miles	D-10 Day back- ground mr/hr	D + 1 Day		D + 2 Days	
		Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield open) mr/hr	At time hours
0		0.02	1118		
0.5		0.02	1119		
1.0		0.03	1120		
1.5		0.04	1125		
2.0		0.04	1130		
2.5		0.04	1136	0.04	1136
3.0		0.05	1137		
3.5		0.04	1139		
4.0		0.05	1141		
4.5		0.05	1143		
5.0		0.04	1145		
5.5		0.05	1147		
6.0		0.05	1148		
6.5		0.05	1149		
7.0		0.07	1150		
7.5		0.06	1152	0.06	1115
8.0	0.03	0.06	1154		
8.5		0.07	1155		
9.0		0.1	1156		
9.5		0.1	1159		
10.0		0.1	1200		
10.5		0.1	1201		
11.0		0.08	1223		
11.5		0.08	1224		
12.0		0.06	1225		
12.5		0.06	1227	0.06	1106
13.0	0.02	0.06	1229		
13.5		0.06	1230		
14.0		0.05	1231		
14.5		0.05	1234		
15.0		0.05	1236		
15.5		0.05	1238		
16.0		0.06	1241		
16.5		0.06	1244		
17.0		0.05	1245		
17.5		0.06	1246	0.04	1100
18.0		0.05	1247		
18.5		0.05	1248		
19.0		0.06	1249		
19.5		0.06	1250		
20.0		0.06	1252		
20.5		0.07	1254		
21.0		0.06	1258		
21.5		0.06	1259		
22.0		0.06	1300		
22.5		0.08	1302	0.04	1050
23.0		0.08	1305		
23.5		0.05	1308		
24.0		0.05	1312		
24.5		0.05	1315		
25.0		0.06	1317		
25.5		0.05	1318		
26.0		0.06	1319		
26.5		0.04	1320		
27.0		0.04	1322		
27.5		0.04	1232	0.04	1040
28.0	0.02	0.04	1324		
28.5		0.04	1326		
29.0		0.05	1327		
29.5		0.03	1329		
30.0		0.04	1331		
30.5		0.03	1333		
31.0		0.04	1334		
31.5		0.04	1337		
32.0		0.04	1339		
32.5		0.04	1340	0.04	1030
33.0		0.04	1341		
33.5		0.04	1342		
34.0		0.05	1348		
34.5		0.05	1349		
35.0		0.05	1350		
35.5		0.04	1355		
36.0	0.03	0.05	1409		
36.5		0.04	1412	0.06	1017
36.5a				0.08	0945
37.0		0.05	1415		
37.5		0.06	1417		
38.0		0.05	1420		
38.5	0.03				
39				0.06	1010
41.5				0.06	1000
44	0.03			0.03	0950

a Elgin toward Moapa

TABLE 9 OFF-SITE RADIATION SURVEY FROM US 91 (15 MILES NE OF GLENDALE) TO CARP, NEVADA

Distance from starting point miles	UCLA station number	D-9 Day back-ground mr/hr	D + 1 Day		D + 2 Days		At time hours
			Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr	
	80-1		0.01	1030			
1		0.02	0.02	1032			
2	80-2		0.02	1034			
3 and 4			0.02	1036			
5			0.02	1038	0.02	0.02	1215
6			0.02	1039			
7	80-3		0.02	1040			
8 and 9			0.02	1042			
10	80-4		0.02	1043	0.02	0.02	1220
11		0.02	0.02	1044			
12			0.02	1045			
13	80-5		0.02	1046			
14			0.02	1047			
15			0.02	1048	0.02	0.02	1245
16	80-6		0.02	1049			
17 and 18			0.02	1052			
19	80-7		0.02	1054			
20		0.02	0.02	1055	0.02	0.02	1300
21			0.02	1057			
22	80-8		0.02	1059			
23			0.02	1101			
24			0.02	1102			
25			0.02	1103	0.02	0.02	1315
26	80-9		0.02	1104			
27 and 28			0.02	1105			
29	80-10		0.02	1108			
30		0.02	0.02	1110	0.02	0.02	1330
31 to 33			0.02	1112			
34	80-11		0.02	1114			
35			0.02	1115	0.02	0.02	1345
36			0.02	1116			
	80-12		0.02	1120			
	80-13		0.02	1125			
	80-14		0.02	1130			
	80-15		0.02	1135			

TABLE 10 OFF-SITE RADIATION SURVEY FROM AR TO  
 AO (US 91 FROM CASTLE CLIFF, UTAH  
 WEST TO CARP, NEVADA)

Distance from start	D-10 Day back- ground	Dose Rate (Shield closed)	D + 1 Day At time
miles	mr/hr	mr/hr	hours
1 to 7		0.03	0735
8 and 9		0.02	0740
10	0.03		
11 to 19		0.02	0800
20	0.02		
21 to 29		0.02	0815
30 and 31		0.03	0825
32 to 41		0.02	1000

TABLE 11 OFF-SITE RADIATION SURVEY FROM CALIENTE VIA US 93 TO NEVADA 25 NEAR PANACA (AH).

Miles from Caliente	D-9 Day		D+1 Day		D+2 Days		D+5 Days	
	back-ground	Day	Dose Rate (Shield closed)	Day	Dose Rate (Shield open)	At time	Dose Rate (Shield closed)	At time
	mr/hr	hours	mr/hr	hours	mr/hr	hours	mr/hr	hours
1	<0.5		0.08	1550	0.12	1101		
2			0.07	1552				
3			0.01	1554				
4			0.07	1556				
5			0.06	1557				
6			0.06	1600	0.4	1056	0.02	1040
7			0.07	1602				
8			0.07	1604				
9			0.08	1606				
10			0.07	1608				
11			0.07	1610	0.15	1050		
12			0.06	1612				
13	<0.5		0.07	1614				
14			0.06	1616				

TABLE 12 OFF-SITE RADIATION SURVEY FROM INTERSECTION OF ROAD TO CARP, NEVADA AND US 91, (15 MILES NE OF GLENDALE), TO ST. GEORGE, UTAH

Distance from start miles	D-11 Day back-ground mr/hr	D+1 Day		D + 2 Days		
		Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr	At time hours
-1.0	0.01					
0	0.01	0.01	1300	0.02	0.02	1200
1		0.01	1301			
2 to 3		0.02	1302			
4				0.02	0.02	1145
5 to 8		0.02	1305			
9	0.01			0.02	0.02	1130
9 to 11a		0.02	1310			
14				0.02	0.02	1115
19	0.02					
21,26.2				0.02	0.02	1100
28.2	0.02					
32.2,37.5				0.02	0.02	1030
38.5	0.02					
42.4,43.3				0.02	0.02	1000
48.3	0.02					
53.3				0.02	0.02	0930
58.2	0.01			0.02	0.02	0913
63.1				0.02	0.02	0900

<sup>a</sup> From Riverside toward Lake Mead.

TABLE 13 OFF-SITE RADIATION SURVEY FROM INTERSECTION OF US 93 AND NEVADA 25 (NEAR PANACA, NEVADA)  
 NORTH TOWARD ELY, NEVADA

Distance from start miles	VIA station number	D + 1 Day		D + 2 Days		At time hours
		Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr	
0.8	115-26	0.08	1223	0.05	0.08	1134
1.0		0.08	1225	0.05		1136
2.0		0.10	1228	0.05		1138
2.3	115-27	0.06	1230	0.06	0.1	1139
3.0		0.07	1232	0.05		1148
3.3	115-28	0.07	1234	0.05	0.06	1150
4.0		0.06	1236	0.05		1155
5.0		0.05	1238	0.04	0.07	1157
5.4	115-29	0.08	1240	0.06	0.06	1159
5.9		0.05	1242	0.05		1202
6.9		0.07	1244	0.05		1205
7.1	115-30	0.07	1245	0.05	0.07	1206
7.9		0.06	1248	0.04		1209
9.0		0.06	1251	0.06		1212
10.0		0.07	1253	0.05	0.1	1214
10.9		0.07	1256	0.06		1215
11.9		0.09	1258	0.07		1219
15.5		0.10	1313	0.06		1222
16.6		0.07	1315	0.06		1224
17.5		0.07	1317	0.05	0.11	1227
18.5		0.10	1319	0.07		1229
19.5		0.10	1321	0.06		1231
20.5		0.11	1324	0.06		1233
21.5		0.09	1325	0.05		1236
22.5		0.12	1329	0.07	0.17	1239
23.5		0.08	1332	0.05		1246
24.5		0.09	1334	0.07		1248
25.5		0.08	1335	0.06		1250
26.5		0.08	1337	0.05		1252
27.5		0.06	1339	0.05	0.1	1255
28.5		0.07	1342			
29.5		0.07	1344			
30.4		0.06	1346			
31.4		0.07	1348			
32.4		0.06	1350			
33.4		0.06	1352			
34.4		0.07	1353			
35.4		0.07	1355			
36.4		0.05	1357			
37.4		0.05	1400			
38.4		0.05	1406			
49.4		0.07	1409			
40.4		0.05	1411			
41.3		0.07	1413			
42.3		0.05	1415			
43.3		0.05	1417			
44.3		0.05	1419			
45.3		0.06	1421			
46.3		0.07	1423			
47.3		0.07	1424			
48.2		0.06	1426			
49.2		0.07	1428			
50.2		0.07	1430			
51.2		0.06	1431			
52.2		0.06	1433			
53.2		0.07	1435			
54.2		0.06	1437			
55.2		0.07	1438			
56.2		0.06	1440			
57.2		0.05	1442			
58.2		0.05	1444			
59.2		0.05	1445			
60.2		0.06	1447			
61.2		0.06	1449			
62.2		0.07	1451			
63.2		0.05	1453			
64.2		0.06	1455			
65.2		0.05	1457			
66.2		0.06	1459			
67.1		0.07	1500			
68.1		0.05	1502			
69.1		0.06	1504			
70.1		0.04	1506			
71.1		0.04	1508			
72.1		0.05	1510			
73.1		0.04	1512			
74.1		0.04	1514			
75.1		0.05	1515			
76.1		0.05	1516			
77.1		0.04	1518			
78.1		0.04	1520			
79.1		0.03	1522			
80.0		0.05	1524			
81.0		0.03	1525			
82.0		0.03	1529			
83.0		0.04	1532			
83.9		0.04	1535			

Detour through Pioche.

**TABLE 13** OFF-SITE RADIATION SURVEY FROM INTERSECTION OF US 93 AND NEVADA 25 (NEAR PANACA, NEVADA) NORTH TOWARD ELY, NEVADA

Distance from start	UCLA station number	D + 1 Day		D + 2 Days		
		Dose Rate (Shield closed)	At time	Dose Rate (Shield closed)	Dose Rate (Shield open)	At time
miles		mr/hr	hours	mr/hr	mr/hr	hours
85.0		0.05	1537			
86.0		0.05	1539			
87.0		0.05	1541			
87.9		0.03	1543			
88.8		0.03	1546			
90.0		0.03	1548			
90.9		0.04	1550			
91.9		0.03	1553			
92.9		0.03	1555			
93.9		0.04	1558			
94.9		0.04	1600			
95.9		0.04	1602			
96.9		0.03	1604			
97.9		0.04	1606			
98.9		0.04	1609			
99.9		0.02	1611			
100.9		0.02	1614			
101.9		0.02	1616			

• Detour through Pioche.

TABLE 14 OFF-SITE RADIATION SURVEY FROM AH (INTERSECTION OF US 93 AND NEVADA 25) EAST TOWARD MODENA, UTAH

Distance from start miles	UCLA station number	D-9 Day		D+1 Day		D+2 Days		D+5 Days	
		back-ground	mr/hr	Dose Rate (Shield closed)	At time	Dose Rate (Shield open)	At time	Dose Rate (Shield closed)	At time
0.9	115-25	0.03	0.09	1620	0.08	1044	0.02	1021	
1.0			0.07	1621					
2.0			0.08	1623	0.16	1039			
2.5	115-24		0.08	1625	0.07	1037			
3.0			0.06	1626					
4.0			0.06	1629					
4.1	115-23		0.08	1630	0.08	1034			
5.0	115-22		0.05	1632	0.07	1031			
6.0			0.05	1634					
7.0			0.05	1637	0.13	1027			
7.4	115-21		0.07	1638	0.08	1026			
8.0			0.06	1640					
8.7	115-20		0.07	1642	0.1	1021			
9.0			0.05	1644					
10.0		<0.5	0.05	1646					
10.2	115-19		0.06	1647	0.1	1017	0.03	1000	
11.0			0.05	1650			0.03	0958	
12.0			0.04	1653	0.08	1015	0.03	0955	
21.0		<0.5							
30		<0.5							



TABLE 15 OFF-SITE RADIATION SURVEY FROM ENTERPRISE, UTAH WEST VIA UTAH 120, NEVADA 75 AND NEVADA 25 TO US 93 NEAR PANACA, NEVADA

Distance from start miles	UCLA station number	D + 1 Day		D + 2		At time hours	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr	At time hours
		Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr				
1		0.03	1025	0.02	0.03				0955
2.7		0.03	1029	0.03	0.05				1000
4.3		0.03	1032	0.03	0.04				1005
5.6		0.03	1035	0.03	0.03				1016
10.0	115-1	0.03	1044	0.03	0.03				1020
11.4	115-2	0.03	1047	0.03	0.03				1023
13.0	115-3	0.03	1052	0.03	0.05				1027
14.5	115-4	0.03	1056	0.03	0.05				1030
16.0	115-5	0.03	1100	0.04	0.06				1033
17.6	115-6	0.03	1104	0.04	0.06				1038
19.1	115-7	0.04	1108	0.04	0.05				1041
20.6	115-8	0.05	1112	0.04	0.05				1044
22.1	115-9	0.05	1116	0.04	0.05				1048
23.7	115-10	0.05	1120	0.04	0.06				1051
25.2	115-11	0.06	1124	0.03	0.05				1054
25.6	115-12	0.06	1128	0.04	0.05				1058
28.2	115-13	0.06	1132	0.04	0.06				1101
29.8	115-14	0.09	1136	0.04	0.06				1105
31.3	115-15	0.07	1140	0.04	0.06				1108
32.8	115-16	0.07	1144	0.04	0.06				1109
34.3	115-17	0.08	1148	0.05	0.06				1113
35.9	115-18	0.07	1152	0.04	0.06				1115
36.9a				0.04	0.06				1118
37.5	115-19	0.07	1158	0.05	0.06				1121
39.0	115-20	0.07	1201	0.04	0.06				1124
40.5	115-21	0.08	1204	0.04	0.06				1128
42.0	115-22	0.08	1207	0.04	0.06				
43.6	115-23	0.07	1210	0.05	0.07				
45.1	115-24	0.09	1213	0.04	0.06				
46.7	115-25	0.11	1217	0.04	0.06				
47.4b									

a Junction of Nevada 25 and Nevada 75.  
b Junction of Nevada 25 and US 93.

TABLE 19 OFF-SITE RADIATION SURVEY OF A CIRCLE ROUTE STARTING AT INTERSECTION OF UTAH 19 AND UTAH 56, VIA UTAH 19 THROUGH  
 LEED TO AT, THEN WEST BY CEDAR SPAR MINE, THEN SOUTH TO MODENA. FROM MODENA ON UTAH 56 EAST TO START POINT  
 (JCT UTAH 56 AND 19).

Distance from start	UCLA station number	D-11 Day back ground	Dose Rate D + 1 Day		Dose Rate D + 2 Days		At time	Dose Rate (Shield closed)	Dose Rate (Shield open)	At time
			nr/hr	nr/hr	nr/hr	nr/hr				
1			b							
2			b							
2.7	165-14		0.025							
3			b							
4.1			0.03							
5.1			b							
5.2	165-15		b							
6.1			b							
7.1			b							
7.7	165-16		b							
8.1			b							
9.2			b							
10.1	165-17	0.02	0.03				0606			
10.2			b							
11.2			b							
12.2			b							
12.6	165-18		b							
13.3			b							
14.3			b							
15.0	165-19		b							
15.3			b							
16.3			b							
17.4			b							
17.5	165-20		b							
18.5			b							
19.5			b							
20.0	165-21		b							
20.5		0.03	b							
21.6			b							
22.6	165-22		b							
22.7			b							
23.6			b							
24.6			b							
25.3	165-23		b							
25.7			b							
25.7			b							
27.7			b							
27.8	165-24		b							
28.8			b							
29.8			b							
30.3	165-25		b							
30.8		0.02	b							
31.5			0.05				0651			
32.8			0.05				0654			
33.8			0.05				0656			
34.8			0.05				0659			
35.8			0.05				0702			
36.8			0.06				0704			
37.8			0.06				0706			
38.8			0.08				0708			
39.8			0.06				0710			
40.8			0.07				0712			
41.8		0.02	0.1				0714			
42.8			0.1				0716			
43.9			0.07				0718			
44.9			0.08				0720			
45.9			0.06				0722			
46.9			0.09				0724			
47.9			0.1				0726			
48.9			0.08				0728			
49.9			0.08				0730			
50.9			0.08				0732			
51.9		0.02	0.1				0734			
52.9			0.1				0738			
53.9			0.07				0740			
54.9			0.09				0742			
55.9			0.09				0744			
56.9			0.1				0746			
57.7			0.1				0748			
57.7			0.08				1856			
58.7			0.08				0750	0.05	0.13	1048
59.7			0.09				0752	0.045		1050
60.7			0.09				0754	0.04		1052
61.7		0.03	0.09				0756	0.04		1054
62.7			0.08				0758	0.05		1056
63.7			0.1				0800	0.045	0.1	1058
64.7			0.1				0802	0.05		1100
65.7			0.1				0804	0.05		1102
66.7			0.1				0806	0.06		1104
67.7			0.07				0811	0.055		1106
68.7			0.05				0815	0.045		1108
69.7			0.08				0823	0.05		1110
70.7			0.08				0826	0.04		1112
71.7		0.02	0.1				0830	0.06		1114
72.6			0.12				0832	0.05	0.1	1116
73.7			0.08				0839	0.06		1118
74.7			0.09				0842	0.06		1120
75.7			0.1				0845	0.05		1122
76.7			0.09				0847	0.05		1124
77.7			0.1				0849	0.06	0.06	1126
78.7			0.12				0851	0.05		1128
79.7			0.1				0853	0.07		1130
80.7			0.1				0855	0.06		1132
81.7		0.03	0.13				0857	0.05		1134
82.7			0.08				0859	0.05	0.12	1136
83.7			0.1				0900	0.06		1138
84.7			0.13				0902	0.06		1140
85.7			0.1				0904	0.08		1142
86.7			0.1				0906	0.08		1144
87.7			0.14				0908	0.06	0.03	1146
88.7			0.1				0910	0.055		1148
89.7			0.12				0912	0.07		1150
90.7			0.1				0914	0.065		1152
91.7			0.11				0916	0.06		1154
92.7		0.02	0.12				0918	0.065	0.11	1156
93.7			0.11				0920	0.07		1158
94.7			0.1				0922	0.06		1200
95.7			0.1				0924	0.07		1202
96.7			0.1				0926	0.065		1204
97.7			0.1				0928	0.07		1206
98.7			0.1				0930	0.07	0.13	1208

TABLE 19 OFF-SITE RADIATION SURVEY ON A CIRCLE ROUTE STARTING AT INTERSECTION OF UTAH 19 AND UTAH 56, VIA UTAH 19 THROUGH LUND TO AT, THEN WEST BY COUGAR SPAR MINE, THEN SOUTH TO MODENA. FROM MODENA ON UTAH 56 EAST TO START POINT (JCT UTAH 56 AND 19). (CONT'D.)

Distance from start miles	UCLA station number	D-11 Day back-ground mr/hr	D + 1 Day		D + 2 Days		At time hours
			Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr	
99.7			0.11	0934	0.06		1210
100.7			0.13	0936	0.065		1212
101.7			0.11	0938	0.06		1214
102.7		0.03	0.1	0940	0.065		1216
103.7			0.12	0942	0.05	0.08	1218
103.8			0.1	0944	0.055		1220
105.0d			0.11	0945	0.07		1222
106.0			0.09	0946	0.06		1224
107			0.07	0948	0.05	0.08	1226
108			0.07	0950	0.045		1228
109.1			0.08	0952	0.06		1230
110.1			0.07	0954	0.055		1232
111.1			0.08	0956	0.04		1234
112.1		0.02	0.07	0958	0.04	0.05	1236
113.1			0.07	1000	0.05		1238
114.1			0.05	1002	0.0055		1240
115.1			0.05	1004	0.045		1242
116.1			0.06	1006	0.05		1244
117.1			0.06	1008	0.04	0.04	1246
118.2			0.06	1010	0.045		1248
119.4			0.04	1012	0.04		1250
120.3			0.05	1014	0.04		1252
121.4c			0.05	1016	0.045		1254
122.5		0.035	0.04	1018	0.03	0.05	1256
123.5			0.04	1020	0.035		1258
124.6			b		0.035		1300
125.6			0.04	1024	0.03		1302
126.6			0.04	1026	0.03		1304
127.6			b		0.03	0.035	1306
128.7			0.045	1030	0.035		1308
129.7			b		0.04		1310
130.8			0.04	1034	0.035		1312
131.8			b	1036	0.04		1314
132.8		0.025	b		0.035	0.04	1316
133.9			b		0.03		1318
134.9			b		0.03		1320
135.9			b		0.03		1322
137.0			b		0.03		1324
138.0			b		0.03		1326
139.0			0.045	1056	0.03		1328
140			0.04	1058	0.035		1330
141.1			0.04	1100	0.03		1332
142.1			b		0.03		1334
143.1		0.02	0.05	1104	0.025	0.025	1336
144.2			b		0.03		1338
145.2			0.04	1108	0.025		1340
146.2			b		0.02		1342
147.2			b		0.025		1344
148.3			0.05	1114	0.03	0.03	1346
149.3			b		0.03		1348
150.3			b		0.03		1350
151.3			b		0.025		1352
152.4			b		0.025	0.025	1354
153.4		0.02	b		0.025		1356
154.5			0.04	1126	0.03		1358
155.5			0.04	1128	0.03		1400
156.5			b		0.025		1402
157.5			0.04	1132	0.025		1404

a Lund City Limits.  
b 0.03 mr/hr or less.  
c Beryl Junction.  
d Modena.  
e See note "a" in Table 22 and "AT" on map.

TABLE 22 OFF SITE RADIATION SURVEY FROM AU TO AT

Distance from Utah 21	D-10 Day back-ground	D+1 Dose Rate (Shield closed)	Day at time
miles	mr/hr	mr/hr	hours
1.1		0.04	1810
2.1		0.05	1812
3.1		0.05	1814
4.1		0.035	1816
5.1		0.04	1818
6.1		0.04	1820
7.1		0.04	1822
8.1		0.05	1824
9.1		0.035	1826
10.1	0.03	0.06	1828
11.1		0.06	1830
12.0		0.07	1832
13.1		0.06	1834
14.1		0.05	1836
15.1		0.045	1838
16.1		0.07	1840
17.1		0.04	1842
18.1		0.08	1844
19.1		0.06	1846
20.1	0.03	0.05	1848
21.1		0.065	1850
22.1		0.07	1852
23.1		0.065	1854
25.1a		0.06	1856

<sup>a</sup> Intersection with position 57.7 miles in Table 19

TABLE 23 OFF-SITE RADIATION SURVEY FROM THE INTERSECTION OF US 91 AND UTAH 56 NORTH TO BEAVER, UTAH

Distance from starting point miles	D-10 Day back-ground mr/hr	D + 1 Day		Distance from starting point miles	D-10 Day back-ground mr/hr	D + 1 Day	
		Dose Rate (Shield closed) mr/hr	At time hours			Dose Rate (Shield closed) mr/hr	At time hours
1.8		b		32.0		0.04	1316
2.8		0.04	1214	33.0		0.05	1318
3.8		b		34.0		0.04	1320
4.9		0.05	1218	35.0		0.05	1322
5.9		0.05	1220	36.0		0.04	1324
6.9		0.06	1222	37.0		0.05	1326
7.9		0.06	1224	38.0		0.04	1328
8.9	0.02	0.04	1226	39.0	0.015	0.05	1330
9.9		0.04	1228	40.0		0.04	1332
10.9		0.05	1230	41.1		0.04	1334
11.9		b		42.1		0.05	1336
12.9		0.05	1234	43.1		0.04	1338
13.9		b		44.1		0.05	1340
14.9		0.04	1238	45.1		0.05	1342
15.9		b		46.1		0.04	1344
16.9	0.02	0.05	1250	47.2		0.04	1346
17.9		0.05	1252	48.2		0.05	1348
19.9		0.04	1254	49.2	0.015	0.05	1350
20.9		0.04	1256	50.2		0.04	1352
21.9		0.05	1258	51.2		0.05	1354
22.9		0.04	1300	52.2		0.05	1356
23.9		0.04	1302	53.2		0.05	1358
25.9		0.05	1304				
26.9		0.05	1306				
28.0		0.03	1308				
29.0	0.01	0.04	1310				
30.0		0.04	1312				
31.0		0.07	1314				

b 0.03 mr/hr or less.

TABLE 24 OFF-SITE RADIATION SURVEY FROM BEAVER, UTAH VIA UTAH 21 THRU GARRISON, UTAH TO US 6 AND 50

Distance from Beaver	UCLA station number	D-3 Day back-ground	D-10 Day back-ground	D + 1 Day		D + 2 Days		
				Dose Rate (Shield closed)	At time	Dose Rate (Shield closed)	Dose Rate (Shield open)	At time
miles		mr/hr	mr/hr	mr/hr	hours	mr/hr	mr/hr	hours
1				0.06	1400	0.03	0.05	0800
2				0.04	1402	0.035	0.06	0802
3				0.05	1404	0.045	0.04	0804
4				0.05	1406	0.03	0.04	0806
4.3	200-2					0.05	0.04	0807
5				0.06	1408	0.04	0.06	0808
6.1				0.06	1410	0.07	0.05	0810
7.1			0.02	0.06	1412	0.04	0.04	0812
8.1				0.05	1414	0.04	0.05	0814
9.1				0.05	1416	0.04	0.04	0816
10.1				0.06	1418	0.035	0.045	0818
11.2				0.06	1420	0.04	0.04	0820
12.2				0.03	1422	0.035	0.045	0822
12.3	200-5					0.035	0.04	0822
13.2				0.04	1424	0.03	0.04	0824
14.2				0.05	1426	0.03	0.025	0826
15.3				0.05	1428	0.03	0.03	0828
16.3				0.04	1430	0.045	0.03	0830
17.3			0.03	0.03	1432	0.04	0.03	0832
18.3				0.05	1434	0.03	0.04	0834
19.4				0.03	1436	0.03	0.04	0836
20.1	200-8					0.04	0.04	0837
20.4				0.04	1438	0.04	0.035	0837
21.4				0.035	1440	0.04	0.04	0840
22.4				0.03	1442	0.03	0.05	0842
22.6	200-9					0.03	0.045	0842
23.5				0.04	1444	0.035	0.04	0844
24.5				0.05	1446	0.035	0.04	0846
25.5				0.05	1448	0.03	0.04	0848
26.5			0.03	0.04	1450	0.03	0.04	0850
27.5				0.045	1462	0.03		0852
27.8	200-11					0.03		0853
28.5				0.04	1451	0.03		1854
29.6				0.06	1456	0.03		0856
30.4	200-12					0.045		0857
30.6				0.05	1458	0.04		0858
32.6				0.035	1500			
32.9	200-13					0.04	0.04	1019
33.6				0.03	1502			
34.6				0.04	1504			
35.7	200-14			0.06	1506	0.04a	0.04	1031
36.7				0.05	1508	0.04a		1034
37.8			0.01	0.06	1510			
38.0	200-15					0.04	0.04	1036
38.8				0.06	1512	0.04a		1038
39.8				0.08	1514	0.04a		1040
40.7	200-16			0.07	1515	0.04	0.04	1042
40.9				0.06	1516			
42.2				0.07	1518			
43.2				0.08	1520			
43.4	200-17			0.08	1521	0.04	0.07	1050
44.3				0.07	1522			
45.3				0.06	1524			
46.0	200-18			0.06	1525	0.05	0.07	1055
46.3				0.06	1526			
47.3				0.06	1528			
48.4			0.03	0.07	1530			
48.6	200-19			0.08	1531	0.05	0.07	1102
49.4				0.07	1532	0.05a		1104
50.4				0.06	1534	0.05a		1106
51.0	200-20			0.07	1535	0.05	0.07	1107
51.4				0.07	1536	0.05a		1110
52.4				0.07	1538	0.05a		1112
53.4				0.06	1540			
53.7	200-21			0.07	1541	0.05	0.05	1116
54.4				0.04	1542	0.05a		1119
55.4				0.05	1544	0.05a		1121
56.3	200-22			0.05	1545	0.04	0.04	1124
56.4				0.05	1546			
57.5				0.06	1548	0.04a		1130
58.5			0.02	0.05	1550			
59.5				0.04	1552	0.04a		1135
60.6				0.07	1554	0.04a		1137
61.5	200-24			0.04	1555	0.04	0.04	1141
61.6				0.05	1556			
62.6				0.05	1558	0.04a		1144
63.7				0.04	1600			
64.1	200-25			0.04	1601	0.04	0.04	1147
64.7				0.04	1602	0.04		1150
65.8				0.04	1604	0.04a		1153
66.6	200-26			0.05	1605	0.04	0.04	1156
66.8				0.05	1606			
67.8				0.05	1608	0.04a		1200
68.8			0.02	0.07	1610	0.04a		1203
69.2	200-27			0.06	1611	0.04	0.04	1210
69.8				0.05	1612			
70.8				0.07	1614	0.04a		1213
71.8	200-28			0.03	1616	0.04	0.04	1227

Within ± 0.3 miles of indicated mileage.

TABLE 24 OFF-SITE RADIATION SURVEY FROM BEAVER, UTAH VIA UTAH 21 THRU GARRISON, UTAH TO US 6 AND 50 (CONT'D.)

Distance from Beaver miles	UCLA station number	D-3 Day back-ground mr/hr	D-10 Day back-ground mr/hr	D + 1 Day		D + 2 Days	
				Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr
72.8				0.05	1618		
73.8				0.05	1620	0.04a	1233
74.4	200-29			0.04	1621	0.04	1239
74.8				0.04	1622		
75.9				0.05	1624	0.04a	1242
76.9	200-30			0.05	1626	0.04	1246
77.9				0.05	1628	0.04a	1249
78.9				0.04	1630	0.04a	1253
79.9		0.03		0.035	1632	0.04a	1257
81				0.04	1634	0.04a	1300
82				0.045	1636	0.04a	1304
83				0.04	1638	0.04a	1307
84				0.05	1640	0.04a	1311
86.1				0.05	1644	0.04a	1317
87.1				0.04	1646	0.04a	1320
88.1				0.035	1648	0.04a	1325
89.1				0.035	1650	0.04a	1327
90.1		0.2		0.04	1652	0.04a	1330
91.1				0.04	1654	0.04a	1334
92.1				0.045	1656	0.04a	1336
93.2				0.04	1658		
93.8						0.04	1343
94.2				0.04	1700		
94.8						0.04	1347
95.2				0.045	1702		
95.8						0.04	1350
96.2				0.045	1704		
96.8						0.03	1353
97.2				0.04	1706		
91.8						0.03	1356
98.2				0.05	1708		
98.8						0.03	1400
99.2				0.045	1710		
99.8						0.03	1403
100.2		0.025		0.04	1710		
100.8						0.03	1407
101.2				0.035	1714		
101.8						0.03	1411
102.2				0.05	1716		
102.8						0.03	1413
105.2				0.095	1718		
103.8						0.03	1417
104.2				0.035	1720		
104.8						0.03	1421
105.2				0.04	1722		
105.8						0.03	1426
106.2				0.045	1724		
100.8						0.03	1431
107.2				0.04	1726		
107.8						0.03	1435
108.3				0.03	1728		
108.8						0.03	1439
109.3 (Garrison)				0.04	1730		
111.4		0.025					
120.4		0.02					

\* Within ± 0.3 miles of indicated mileage.

TABLE 26 OFF-SITE RADIATION SURVEY FROM CEDAR CITY, UTAH AT A POINT ON UTAH 14, 43 MILES WEST OF JCT. UTAH 14 AND US 89 - NORTH ON US 89 TO JCT US 89 AND UTAH 20.

Distance from start miles	D-10 Day back-ground mr/hr	D + 1 Day		D + 3 Days	
		Dose Rate (Shield closed) mr/hr	At time hours	Dose Rate (Shield closed) mr/hr	At time hours
0	0.02	0.03	0535	0.03	0700
1		0.03	0537	0.03	0702
2		0.03	0541	0.03	0704
3		0.03	0543	0.03	0706
4		0.03	0545	0.03	0708
5		0.03	0547	0.03	0710
6.1		0.03	0550	0.03	0712
7.1		0.03	0552	0.03	0714
8.1		0.03	0554	0.03	0715
9.1	0.03	0.04	0556	0.03	0717
10.1		0.03	0559	0.03	0719
11.1		0.04	0600	0.03	0721
12.1		0.03	0603	0.03	0723
13.1		0.03	0605	0.03	0725
14.1		0.03	0608	0.03	0727
15.1		0.04	0610	0.03	0729
16.2		0.03	0613	0.03	0731
17.1		0.04	0615	0.03	0733
18.1		0.04	0616	0.03	0735
19.1	0.03	0.03	0618	0.04	0737
20.1		0.03	0620	0.03	0739
21.1		0.03	0621	0.03	0741
22.1		0.03	0623	0.04	0743
23.1		0.03	0625	0.03	0745
24.2		0.03	0628	0.03	0747
25.1		0.03	0630	0.03	0749
26.1		0.04	0631	0.03	0753
27.1		0.03	0633	0.04	0815
28.1		0.03	0635	0.03	0825
29.1	0.04	0.04	0637	0.03	0827
30.1		0.03	0638	0.05	0829
31.1		0.03	0640	0.04	0830
32.1		0.04	0643	0.04	0832
33.1		0.04	0644	0.03	0835
34.1		0.03	0645	0.03	0837
35.1		0.03	0647	0.03	0839
36.1		0.04	0648	0.03	0841
37.1		0.03	0650	0.03	0843
38.1		0.03	0652	0.04	0847
39.1	0.03	0.04	0654	0.03	0849
40.1		0.03	0655	0.03	0850
41.1		0.03	0657	0.03	0855
41.3 (Jct Utah 14, US 89)					
41.9		0.03	0658	0.04	0915
42.9		0.03	0659	0.04	0917
43.9		0.03	0701	0.04	0919
45.0		0.03	0703	0.04	0921
46.0		0.03	0704	0.04	0923
47.1		0.03	0706	0.04	0925
48.1		0.04	0708	0.04	0927
49.1		0.03	0709	0.04	0929
50.2	0.03	0.03	0711	0.04	0931
51.2		0.04	0713	0.04	0933
52.3		0.04	0715	0.04	0935
53.3		0.03	0718	0.04	0937
55.4		0.03	0800	0.04	0939
56.5		0.03	0803	0.04	0940
57.5		0.03	0805	0.04	0941
58.5		0.03	0807	0.04	0947
59.5		0.03	0809	0.03	0949
60.5		0.04	0812	0.03	0953
61.5	0.02	0.04	0815	0.03	1005
62.6		0.03	0816	0.03	1007
63.6		0.03	0817	0.03	1009
64.6		0.04	0819	0.03	1012



**TABLE 26** OFF-SITE RADIATION SURVEY FROM CEDAR CITY, UTAH AT A POINT ON UTAH 14, 43 MILES WEST OF JCT, UTAH 14 AND US 89 - NORTH ON US 89 TO JCT US 89 AND UTAH 20; WEST ON UTAH 20 TO JCT, UTAH 20 AND US 91 (CONT'D.)

Distance from start	D-10 Day back- ground	D + 1 Day		D + 3 Days	
		Dose Rate (Shield closed)	At time	Dose Rate (Shield closed)	At time
miles	mr/hr	mr/hr	hours	mr/hr	hours
65.9		0.04	0822	0.03	1015
66.9		0.04	0824	0.03	1017
68.0		0.04	0826	0.03	1019
69.0		0.04	0828	0.03	1021
71.2		0.04	0830	0.03	1023
72.2	0.02	0.04	0832	0.03	1030
73.2		0.04	0834	0.03	1036
74.3		0.04	0836	0.03	1038
75.3		0.04	0838	0.03	1040
76.3		0.04	0840	0.03	1042
77.4		0.04	0842	0.03	1044
78.4		0.04	0844	0.03	1046
79.5		0.03	0846	0.03	1048
80.5		0.03	0848	0.03	1049
81.6	0.03	0.03	0850	0.04	1051

TABLE 27 OFF-SITE RADIATION SURVEY FROM INTERSECTION OF US 66, 7 MILES EAST OF PEACH SPRINGS, ARIZONA NORTHEAST TOWARD SUPAI, ARIZONA

Distance from starting point miles	D-12 Day back- ground mr/hr	D + 3 Days	
		Dose Rate (Shield closed) mr/hr	At time hours
0	0.02	0.01	1147
10	0.03	0.02	1206
18		0.02	1218
20	0.03		
28		0.03	1233
30	0.02		
38		0.02	1245
40	0.01		
48		0.02	1257
50	0.02		
54.5	0.03		

TABLE 28 OFF-SITE RADIATION SURVEY FROM INTERSECTION OF US 89 AND US 89A AT KANAB, UTAH, SOUTH VIA US 89A AND ARIZONA 67 TO NORTH RIM OF GRAND CANYON, ARIZONA

Distance	D-10 Day back- ground	D + 4 Day	
		Dose Rate (Shield closed)	At time
miles	mr/hr	mr/hr	hours
1	0.02		
2		0.02	0956
11	0.02		
12		0.02	1015
21	0.03		
22		0.02	1029
31	0.03		
32		0.02	1046
41	0.03		
51	0.03	0.02	1120
61	0.03	0.03	1137
71	0.03	0.02	1155
81	0.03	0.03	1211

TABLE 29 OFF-SITE RADIATION SURVEY FROM MATHER  
 POINT, SOUTH RIM OF GRAND CANYON  
 NATIONAL PARK, SOUTH VIA ARIZONA 64  
 TO US 66

Distance from start miles	D-11 Day back- ground mr/hr	D + 3 Days	
		Dose Rate (Shield closed) mr/hr	At time hours
0	0.03	0.02	1455
10	0.02	0.02	1511
18		0.01	1521
20	0.02		
28		0.01	1534
30	0.02		
38		0.02	1555
40	0.02		
48		0.02	1611
50	0.03		
58		0.02	1628
59.3	0.02		

TABLE 30 OFF-SITE RADIATION SURVEY FROM JUNCTION OF US 89 AND ARIZONA 64 (NEAR TUBA CITY) NORTH VIA US 89 THROUGH PAGE AND GLEN CANYON, ARIZONA TOWARD KANAB, UTAH

Distance from start  miles	D-11 Day back- ground  mr/hr	D + 3 Days	
		Dose Rate (Shield closed)  mr/hr	At time  hours
0	0.03	0.01	1809
8		0.02	1819
10	0.02		
18		0.02	1832
20	0.02		
28		0.02	1845
30	0.02		
38		0.02	1855
40	0.02		
48		0.02	1909
50	0.04		
60	0.02	0.02	1922
70	0.02	0.02	1934
78		0.02	1945
80	0.02		
88		0.02	1956
90	0.02		
98		0.02	2009
100	0.02		

TABLE 33 OFF-SITE RADIATION SURVEY FROM JUNCTION OF US 91 AND UTAH 20, EAST VIA UTAH 20 TO JUNCTION OF US 89 AND UTAH 20

Distance from start	D-10 Day back- ground	D + 1 Day		D + 3 Days	
		Dose Rate (Shield closed)	At time	Dose Rate (Shield closed)	At time
miles	mr/hr	mr/hr	mr/hr	mr/hr	hours
0	0.03	0.04	0910	0.04	1105
1		0.04	0912	0.04	1107
2		0.04	0914	0.04	1109
3.1		0.04	0916	0.04	1111
4.1		0.04	0918	0.03	1113
5.2		0.04	0920	0.03	1114
6.2		0.04	0922	0.02	1115
7.2		0.04	0924	0.04	1120
8.2		0.04	0926	0.04	1121
9.3		0.04	0928	0.03	1125
10.3		0.04	0930	0.03	1127
11.3	0.03	0.04	0932	0.04	1129
12.4		0.04	0933	0.04	1131
13.4		0.04	0934	0.04	1133
14.4		0.04	0936	0.03	1135
15.5		0.04	0938	0.03	1137
16.5		0.04	0940	0.03	1139
17.5		0.04	0942	0.03	1141
18.6		0.04	0944	0.03	1143
19.6		0.04	0946	0.03	1145
20.6		0.04	0948	0.03	1147
22.2		0.04	0950	0.04	1149
23.3		0.03	0951	0.02	1151
24.3		0.04	0954	0.03	1153
25.3		0.03	0956	0.04	1155
26.4		0.03	0957	0.03	1156
27.4		0.03	0959	0.03	1157
28.4		0.04	1000	0.03	1158
29.5		0.03	1002	0.05	1159
30.5		0.03	1003	0.04	1201
31.5		0.04	1005	0.03	1203
32.6		0.03	1006	0.03	1205
33.6		0.03	1007	0.03	1207
34.6		0.03	1008	0.03	1209
35.7		0.03	1009	0.03	1211
36.7		0.03	1010	0.03	1213
37.7		0.04	1011	0.03	1215
38.8		0.04	1013	0.03	1217
39.9		0.04	1015	0.04	1219
40.9		0.03	1018	0.04	1221
42.0		0.03	1020	0.04	1223
43.0		0.04	1021	0.04	1305
44.0		0.04	1023	0.04	1307
44.3		0.04	1025	0.04	1309

TABLE 34 OFF-SITE RADIATION SURVEY FROM  
 INTERSECTION OF US 89A AND ARIZONA  
 67, EAST VIA US 89A TOWARD BITTER  
 SPRINGS, ARIZONA

Distance from start	D-10 Day back- ground	D + 4 Days	
		Dose Rate (Shield closed)	At time
miles	mr/hr	mr/hr	hours
0	0.02	0.02	1313
10	0.02	0.02	1325
20	0.02		
22		0.01	1340
30	0.02	0.02	1348
40	0.02	0.02	1400
50	0.02	0.01	1414
58	0.02		

TABLE 35 OFF-SITE RADIATION SURVEY FROM  
 JUNCTION OF US 91 AND UTAH 63  
 AT SCIPIO, UTAH SOUTH VIA US  
 91 TO COVE FORT, UTAH

Distance from start	D + 1 Day	
	Dose Rate (Shield closed)	At time
miles	mr/hr	hours
2.0	0.07	1525
3.2	0.05	1528
5.3	0.05	1532
7.4	0.05	1535
9.5	0.05	1537
11.6	0.05	1540
14.1	0.05	1545
16.2	0.05	1547
18.3	0.08	1550
20.4	0.05	1555
24.7	0.08	1603
26.4	0.08	1606
28.9	0.08	1608
31.8	0.1	1613
33.9	0.08	1616
36.0	0.08	1620
38.4	0.08	1628
40.5	0.05	1631
42.6	0.11	1634
44.7	0.09	1637
46.8	0.06	1640
48.9	0.08	1643
51.0	0.06	1646
53.1	0.05	1649
55.2	0.08	1652
57.3	0.05	1655
59.4	0.05	1658

See Table 36 For D+2 Day Readings.



TABLE 36 OFF-SITE RADIATION SURVEY FROM  
 JUNCTION OF US 91 AND UTAH 63  
 AT SCIPIO, UTAH AND SOUTH ON  
 US 91 TO COVE FORT, UTAH

Distance from start miles	D + 2 Days		At time hours
	Dose Rate (Shield closed) mr/hr	Dose Rate (Shield open) mr/hr	
0	0.05	0.10	1546
2.1	0.05		1550
4.2	0.06	0.11	1553
6.3	0.06		1555
8.4	0.06	0.10	1558
12.0	0.05		1603
14.1	0.06	0.08	1606
16.2	0.05		1609
18.3	0.04	0.07	1612
22.9	0.06		1638
25.0	0.08	0.07	1642
27.1	0.05		1645
30.1	0.06	0.10	1649
32.2	0.05		1652
34.3	0.04	0.08	1655
36.6	0.04		1658
38.8	0.06	0.08	1702
40.9	0.07		1705
43.1	0.05	0.10	1708
45.6	0.05		1712
48.3	0.06	0.08	1715
50.4	0.05		1718
52.7	0.04	0.09	1723
54.8	0.04		1726
57.8	0.08	0.10	1730

See Table 35 For D+1 Day readings.

TABLE 37 OFF-SITE RADIATION SURVEY FROM JUNCTION OF US 89 AND UTAH 13, WEST ON UTAH 13 TO JUNCTION WITH US 91, SOUTH VIA US 91 TO BEAVER, UTAH

Distance from start  miles	D-10 Day back- ground  mr/hr	D + 1 Day		D + 3 Days	
		Dose Rate (Shield closed)  mr/hr	At time  hours	Dose Rate (Shield closed)  mr/hr	At time  hours
0		0.04	1245	0.03	1315
0.8	0.03	0.04	1247	0.03	
1.8		0.05	1249	0.03	1330
2.9		0.05	1251	0.03	
3.9		0.05	1253	0.03	
4.9		0.05	1255	0.04	1335
6.0		0.04	1257	0.04	
7.0		0.05	1259	0.04	
8.0		0.04	1301	0.04	1340
9.1		0.05	1303	0.04	
10.1		0.05	1305	0.04	
11.1	0.04	0.05	1307	0.04	
12.2		0.04	1309	0.04	1345
13.2		0.04	1311	0.04	
14.3		0.04	1313	0.04	
15.3		0.05	1315	0.04	
16.4		0.06	1317	0.04	1350
17.4		0.05	1319	0.04	
18.4		0.05	1320	0.04	
19.5		0.05	1321	0.04	
20.5		0.06	1322	0.04	1355
21.4		0.05	1324	0.04	
22.4		0.06	1326	0.04	
23.4		0.05	1328	0.04	
24.4	0.03	0.05	1330	0.04	1400
25.4		0.06	1332	0.04	
26.4		0.05	1334	0.04	
27.4		0.05	1336	0.04	1405
28.4		0.06	1338	0.04	
29.4		0.06	1340	0.04	
30.4		0.05	1342	0.04	
31.4		0.06	1344	0.04	1410
32.4		0.06	1346	0.04	
33.4		0.05	1348	0.04	
34.4	0.04	0.05	1350	0.04	1415
35.4		0.05	1352	0.04	
36.4		0.05	1354	0.04	
37.4		0.06	1356	0.04	1420
38.4		0.05	1358	0.04	
39.4		0.05	1400	0.04	
40.4		0.05	1402	0.04	1425
41.4		0.05	1404	0.04	
42.4		0.06	1406	0.04	
43.4		0.06	1408	0.04	
44.2		0.04	1410	0.04	1430

**TABLE 38** OFF-SITE RADIATION SURVEY FROM JUNCTION OF UTAH 22 AND UTAH 62 WEST VIA UTAH 22 TO JUNCTION, UTAH 22 AND US 89, NORTH VIA US 89 TO RICHFIELD, UTAH

Distance from start  miles	UCLA	D-10 Day	D + 1 Day		D + 3 Days	
		back- ground  mr/hr	Dose Rate (Shield closed)  mr/hr	At time  hours	Dose Rate (Shield closed)  mr/hr	At time  hours
0		0.02	0.04	1035	0.04	1315
0.1			0.03	1037	0.04	1317
1.1			0.03	1039	0.04	1318
2.1			0.03	1041	0.04	1320
3.1			0.03	1043	0.04	1322
4.2			0.05	1045	0.04	1324
5.2			0.05	1047	0.03	1326
6.2			0.04	1049	0.03	1328
7.3			0.04	1051	0.03	1329
8.3			0.04	1053	0.03	1331
9.3			0.04	1055	0.03	1333
10.4			0.04	1057	0.03	1335
11.4			0.03	1059	0.03	1337
12.9			0.03	1100	0.03	1341
14.9		0.02	0.03	1101	0.03	1343
15.9			0.04	1103	0.03	1345
17.0			0.04	1104	0.04	1347
18.0			0.04	1106	0.04	1349
19.1			0.04	1108	0.04	1350
20.1			0.04	1110	0.04	1351
21.1			0.04	1111	0.04	1353
22.2			0.04	1113	0.04	1355
23.2			0.04	1115	0.04	1357
24.2			0.04	1116	0.04	1358
25.3			0.04	1117	0.04	1400
26.3			0.04	1118	0.04	1401
27.3		0.02	0.04	1120	0.04	1403
28.4			0.05	1121	0.04	1405
29.4			0.04	1122	0.04	1407
30.5			0.04	1124	0.04	1408
31.5			0.04	1126	0.04	1410
32.5			0.04	1128	0.04	1411
33.6			0.04	1130	0.04	1412
34.6			0.05	1133	0.04	1414
35.6			0.04	1135	0.04	1416
36.7			0.04	1137	0.04	1418
37.7			0.04	1139	0.04	1419
38.7			0.04	1141	0.04	1420
39.8			0.05	1143	0.04	1421
40.8			0.04	1145	0.04	1422
41.8			0.03	1147	0.04	1423
42.9		0.02	0.04	1149	0.04	1425
43.9			0.04	1151	0.04	1427
44.9			0.04	1153	0.04	1429
46.0			0.04	1155	0.04	1431
47.0			0.04	1157	0.04	1433
48.0			0.04	1159	0.04	1435
49.1			0.04	1201	0.04	1437
50.1			0.05	1203	0.04	1439
51.1			0.04	1205	0.04	1441
52.2			0.04	1207	0.04	1443
53.2			0.04	1209	0.04	1445
54.2		0.02	0.04	1211	0.04	1447
55.3			0.04	1213	0.04	1449
56.3			0.04	1215	0.04	1453