

ARMY CHEM CORPS

OFFSITE - SMALLBOY

COMPLETE (except table #1 with
onsite data)

BEST COPY AVAILABLE

TABLE 2 OFF SITE RADIATION SURVEY ON ROUTE FROM AD TO AE

| Distance from AD | D-10 Day Back-ground | D+1 Day | | D+2 Days | | D+5 Days | | At time |
|------------------|----------------------|---------------------------|---------|---------------------------|-------------------------|---------------------------|-------------------------|---------|
| | | Dose Rate (Shield closed) | At time | 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 | hours |
| 10.0 | 0.03 | | | 0.05 | | 1400 | | 1500 |
| 13.5 | | | | | | | | |
| 16.0 | 0.03 | | | | | | | |
| 16.5 | | 0.03 | 0815 | | | | | |
| 17.0 | | 0.05 | 0818 | | | | | |
| 17.5 | | 0.02 | 0820 | | | | | |
| 17.8 | | 0.05 | 0823 | | | | | |
| 18.0 | | 0.03 | 0825 | | | | | |
| 18.5 | | 0.02 | 0828 | | 0.04 | 1350 | | 1455 |
| 19.0 | | 0.03 | 0830 | | | | | |
| 19.5 | | 0.04 | 0833 | | | | | |
| 19.8 | | 0.03 | 0835 | | | | | |
| 20.0 | | 0.04 | 0837 | | | | | |
| 20.5 | | 0.03 | 0839 | | | | | |
| 21.0 | 0.01 | 0.04 | 0842 | | | | | |
| 21.5 | | 0.05 | 0845 | | | | | |
| 21.8 | | 0.04 | 0849 | | | | | |
| 22.0 | | 0.06 | 0852 | | | | | |
| 22.5 | | 0.06 | 0855 | | | | | |
| 23.0 | | 0.05 | 0858 | | | | | |
| 23.5 | | 0.06 | 0903 | | 0.07 | 1340 | 0.1 | 1445 |
| 23.8 | | 0.05 | 0905 | | | | | |
| 24.0 | | 0.06 | 0908 | | | | | |
| 24.5 | | 0.07 | 0911 | | | | | |
| 25.0 | | 0.07 | 0915 | | | | | |
| 25.5 | | 0.08 | 0918 | | | | | |
| 25.8 | | 0.08 | 0919 | | | | | |
| 26.0 | | 0.1 | 0921 | | | | | |
| 26.5 | | 0.2 | 0924 | | | | | |
| 27.0 | | 0.2 | 0927 | 0.1 | | 1328 | 0.1 | 1440 |
| 27.5 | | 0.3 | 0930 | 0.1 | | 1327 | | |
| 27.8 | | 0.3 | 0931 | | | | | 1438 |
| 28.0 | | 0.2 | 0933 | 0.1 | | 1325 | 0.1 | 1436 |
| 28.5 | | 0.2 | 0935 | 0.1 | 0.3 | 1323 | 0.1 | 1434 |
| 29.0 | | 0.3 | 0937 | 0.2 | | 1321 | 0.2 | 1432 |
| 29.5 | | 0.3 | 0939 | 0.2 | | 1319 | 0.1 | |
| 29.8 | | 0.3 | 0942 | | | | | 1450 |
| 30.0 | | 0.3 | 0945 | 0.3 | | 1317 | 0.1 | |
| 35.5b | 0.1 | | | | | | | 1340 |
| 30.5 | | 0.3 | 0948 | 0.2 | | 1315 | 0.1 | 1338 |
| 31.0 | | 0.4 | 0950 | 0.2 | | 1314 | 0.1 | |
| 31.3 | | 0.5 | 0953 | | | | | 1337 |
| 31.5 | | 0.5 | 0955 | 0.2 | | 1312 | 0.1 | 1336 |
| 32.0 | | 1.0 | 0958 | 0.3 | | 1310 | 0.2 | 1334 |
| 32.5 | | 1.5 | 1001 | 0.3 | | 1309 | 0.2 | 1332 |
| 33.0 | | 1.0 | 1003 | 0.4 | | 1307 | 0.1 | |
| 33.3 | | 1.5 | 1005 | | | | | 1330 |
| 33.5 | 0.02 | 1.0 | 1008 | 0.4 | 0.6 | 1306 | 0.1 | 0.3 |
| 34.0 | | 2.0 | 1011 | 0.6 | | 1304 | 0.2 | 1328 |
| 34.5 | | 1.5 | 1013 | 0.5 | | 1303 | 0.2 | 1327 |
| 35.0 | | 1.5 | 1015 | 0.6 | | 1301 | 0.3 | 1325 |
| 35.2 | | 1.0 | 1017 | | | | | 1324 |
| 35.5 | | 1.5 | 1020 | 0.6 | | 1300 | 0.3 | 1322 |
| 36.0 | | 1.0 | 1023 | 0.7 | | 1259 | 0.3 | 1320 |
| 36.5 | | 1.5 | 1025 | 0.6 | | 1257 | 0.2 | 1318 |
| 37.0 | | 1.5 | 1027 | 0.7 | | 1254 | 0.3 | |
| 37.3 | | 1.5 | 1030 | | | | | 1317 |
| 37.5 | | 2.0 | 1032 | 0.5 | | 1253 | 0.1 | 1316 |
| 38.0 | | 1.0 | 1035 | 0.7 | | 1252 | 0.2 | 1314 |
| 38.5 | 0.01 | 1.0 | 1037 | 0.6 | 1.7 | 1251 | 0.3 | 0.5 |
| 39.0 | | 1.5 | 1039 | 0.6 | | 1250 | 0.3 | 1311 |
| 39.5 | | 1.5 | 1041 | 0.6 | | 1248 | 0.2 | 1310 |
| 40.0 | | 1.3 | 1043 | 0.6 | | 1246 | 0.3 | 1309 |
| 40.5 | | 1.0 | 1046 | 0.5 | | 1245 | 0.3 | 1307 |
| 41.0 | | 1.0 | 1048 | 0.6 | | 1244 | 0.1 | 1305 |
| 41.5 | | 1.5 | 1051 | 0.6 | | 1244 | 0.3 | 1303 |
| 42.0 | | 1.5 | 1053 | 0.7 | | 1243 | 0.2 | 1301 |
| 42.5 | | 1.5 | 1055 | 0.7 | | 1241 | 0.2 | 1259 |
| 43.0 | | 1.3 | 1058 | 0.6 | | 1240 | 0.2 | 1257 |
| 43.5 | | 1.0 | 1101 | 0.7 | 1.7 | 1239 | 0.3 | 1255 |
| 44.0 | | 1.2 | 1103 | 0.7 | | 1238 | 0.3 | 1254 |
| 44.5 | | 1.5 | 1105 | 0.4 | | 1236 | 0.3 | 1252 |
| 45.0 | | 1.0 | 1107 | 0.5 | | 1235 | 0.3 | 1251 |
| 45.5 | | 1.3 | 1109 | 0.6 | | 1233 | 0.2 | 1249 |
| 46.0 | | 1.5 | 1112 | 0.4 | | 1232 | 0.2 | 1247 |
| | | | | | | 1230 | 0.3 | |

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

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

TABLE 3 OFF-SITE RADIATION SURVEY FROM AD TO AK (DESERT GAME RANGE P98. TO US 93, 17 MILES NW OF OLENDALE)

| Distance from AD | 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 | 0.01 | 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 | | 0.02 | 0820 | | |
| 22.5 | | 0.01 | 0822 | | |
| 23.0 | | 0.02 | 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 | 0.01 | 0.02 | 0929 | | |
| 40.0 | | 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 | 0.35 | 1249 |
| 4.7 | 56-15 | | | | 0.41 | 1252 |
| 5.0 | | < 0.5 | 0.4 | 1143 | | |
| 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 | | |
| 16.5 | | | 0.32 | 1047 | | |
| 17.0 | 56-9 | | 0.27 | 1045 | 0.38 | 1322 |
| 17.5 | | | 0.24 | 1043 | | |
| 18.0 | | | 0.21 | 1041 | | |
| 18.5 | | | 0.19 | 1039 | | |
| 18.9 | 56-8 | | 0.25 | 1035 | 0.28 | 1327 |
| 19.0 | | | 0.14 | 1033 | 0.28 | 1328 |
| 19.5 | | | 0.15 | 1031 | | |
| 20.0 | | | 0.17 | 1029 | | |
| 20.5 | | | 0.15 | 1027 | | |
| 20.9 | 56-7 | | | | 0.28 | 1328 |
| 21.0 | | < 0.5 | 0.17 | 1024 | | |
| 21.5 | | | 0.15 | 1021 | | |
| 22.0 | | | 0.17 | 1018 | | |
| 22.5 | | | 0.16 | 1016 | | |
| 22.9 | 56-6 | | 0.17 | 1014 | 0.23 | 1335 |
| 23.0 | | | 0.13 | 1011 | | |
| 23.5 | | | 0.1 | 1009 | | |
| 24.0 | | | 0.12 | 1007 | 0.17 | 1337 |
| 24.5 | | | 0.11 | 1004 | | |
| 25.0 | 56-5 | | 0.1 | 1002 | 0.15 | 1329 |
| 25.5 | | | 0.08 | 1000 | | |
| 26.0 | | | 0.07 | 0958 | | |
| 26.5 | | | 0.08 | 0955 | | |
| 27.0 | 56-4 | | 0.07 | 0953 | 0.1 | 1343 |
| 27.5 | | | 0.05 | 0950 | | |
| 28.0 | | | 0.05 | 0946 | | |
| 28.5 | | | 0.04 | 0945 | | |
| 28.9 | 56-3 | | 0.05 | 0940 | 0.05 | 1345 |
| 29.0 | | | | | 0.05 | 1346 |
| 31.0 | | < 0.5 | | | 0.03 | 1350 |
| 33.0 | | | | | 0.03 | 1353 |
| 41.0 | | < 0.5 | | | | |

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

| Distance from start | D-10 Day back- ground | D + 1 Day | | D + 2 Days | | D + 5 Days | |
|---------------------------|--------------------------------|---------------------------------|------------|-------------------------------|------------|---------------------------------|------------|
| | | Dose Rate (Shield closed) | At time | Dose Rate (Shield open) | At time | Dose Rate (Shield closed) | At time |
| miles | mr/hr | mr/hr | hours | mr/hr | hours | mr/hr | hours |
| 1.7 | | 0.11 | 1200 | | | | |
| 2.7 | | 0.09 | 1202 | 0.1 | 1243 | | |
| 3.7 | | 0.07 | 1204 | | | | |
| 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 | | | | |
| 44 | | 0.2 | 1403 | | | 0.08 | 1310 |
| 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 CALLENTE, NEVADA

| Distance from AE 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 closed) mr/hr | Dose Rate (Shield open) mr/hr | At time hours | Dose Rate (Shield closed) mr/hr | Dose Rate (Shield open) mr/hr | At time 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 AT 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 | 0.04 | 1100 |
| 17.5 | | 0.06 | 1246 | | |
| 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 | 0.04 | 1040 |
| 27.5 | | 0.04 | 1322 | | |
| 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 | | | 0.06 | 1010 |
| 39 | | | | 0.06 | 1000 |
| 41.5 | | | | 0.03 | 0950 |
| 44 | 0.03 | | | | |

* 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 | 0.02 | 0.02 | 1215 |
| 5 | | | 0.02 | 1038 | | | |
| 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 | |
|---------------------|-------------|-------|---------------------------|---------|-------------------------|---------|---------------------------|---------|
| | beck-ground | Day | Dose Rate (Shield closed) | At time | 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 GLEN-DALE), 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 |

^a 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 miles | UCLA station number | 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 |
| 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 | 0.03 | 0.06 | 1033 | | | |
| 17.6 | 115-6 | 0.03 | 1104 | 0.03 | 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 | 0.06 | 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 SEARCHING AN INTERSECTION OF UTAH 19 AND UTAH 56, VIA UTAH 19 THROUGH
 LIND TO ST. THOMAS WEST BY COLDAN SPRING MINE, THEN SOUTH TO MODENA. FROM MODENA OR UTAH 56 EAST TO START POINT
 (JCT UTAH 56 AND 19).

| Distance from start | UCLA station number | D-11 Day back- ground | D + 1 Day | | D + 2 Days | | At time | Dose Rate (Shield closed) | Dose Rate (Shield open) | At time |
|---------------------------|---------------------------|-----------------------------|---------------------------------|------------|---------------------------------|-------------------------------|------------|---------------------------------|-------------------------------|------------|
| | | | Dose Rate (Shield closed) | At time | Dose Rate (Shield closed) | Dose Rate (Shield open) | | | | |
| miles | | nr/hr | nr/hr | hours | nr/hr | nr/hr | hours | | | hours |
| 1 | | | b | | 0545 | | | | | |
| 2 | | | b | | | | | | | |
| 2.7 | 165-14 | | 0.025 | | 0549 | | | | | |
| 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 | | b | | | | | | | |
| 10.2 | | 0.02 | 0.03 | | 0606 | | | | | |
| 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 | | | b | | | | | | | |
| 22.7 | 165-22 | | 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 | 0.055 | | 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 | 0.13 | 1206 | | |
| 98.7 | | | 0.1 | | 0930 | 0.07 | | 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 | | |
|----------------------------------------|---------------------------|------------------------------------------|----------------------------------------------|-------------------------|----------------------------------------------|--------------------------------------------|-------------------------|
| | | | Dose Rate (Shield closed) mr/hr | At time hours | Dose Rate (Shield closed) mr/hr | Dose Rate (Shield open) mr/hr | At time hours |
| 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 |
| 105.0 ^d | | | 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 |
| 121.4 ^c | | | 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 |

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

b 0.03 mr/hr or less.

TABLE 24 OFF-SITE RADIATION SURVEY FROM BEAVER, UTAH VIA UTAH 21 THRU GARRIBOW, 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 |
| | | | | mr/hr | hours | mr/hr | mr/hr | hours |
| miles | | mr/hr | mr/hr | mr/hr | | mr/hr | mr/hr | |
| 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 | | | 0.06 | 1408 | 0.05 | 0.04 | 0807 |
| 5 | | | | 0.06 | 1410 | 0.07 | 0.05 | 0810 |
| 6.1 | | | 0.02 | 0.06 | 1412 | 0.04 | 0.04 | 0812 |
| 7.1 | | | | 0.05 | 1414 | 0.04 | 0.05 | 0814 |
| 8.1 | | | | 0.05 | 1416 | 0.04 | 0.04 | 0816 |
| 9.1 | | | | 0.06 | 1418 | 0.035 | 0.045 | 0818 |
| 10.1 | | | | 0.06 | 1420 | 0.04 | 0.04 | 0820 |
| 11.2 | | | | 0.06 | 1422 | 0.035 | 0.045 | 0822 |
| 12.2 | | | | 0.03 | | 0.035 | 0.04 | 0824 |
| 12.3 | 200-5 | | | 0.04 | 1424 | 0.03 | 0.025 | 0826 |
| 13.2 | | | | 0.05 | 1426 | 0.03 | 0.03 | 0828 |
| 14.2 | | | | 0.05 | 1428 | 0.03 | 0.03 | 0830 |
| 15.3 | | | | 0.04 | 1430 | 0.045 | 0.03 | 0832 |
| 16.3 | | | 0.03 | 0.03 | 1432 | 0.04 | 0.04 | 0834 |
| 17.3 | | | | 0.05 | 1434 | 0.03 | 0.04 | 0836 |
| 18.3 | | | | 0.03 | 1436 | 0.03 | 0.04 | 0837 |
| 19.4 | 200-8 | | | 0.04 | 1438 | 0.04 | 0.035 | 0839 |
| 20.1 | | | | 0.035 | 1440 | 0.04 | 0.04 | 0840 |
| 20.4 | | | | 0.03 | 1442 | 0.03 | 0.05 | 0842 |
| 21.4 | | | | 0.03 | | 0.03 | 0.045 | 0842 |
| 22.4 | 200-9 | | | 0.04 | 1444 | 0.035 | 0.04 | 0844 |
| 22.6 | | | | 0.05 | 1446 | 0.035 | 0.04 | 0846 |
| 23.5 | | | | 0.05 | 1448 | 0.03 | 0.04 | 0848 |
| 24.5 | | | 0.03 | 0.04 | 1450 | 0.03 | 0.04 | 0850 |
| 25.5 | | | | 0.04 | 1452 | 0.03 | 0.04 | 0852 |
| 26.5 | | | | 0.045 | 1462 | 0.03 | 0.03 | 0853 |
| 27.5 | 200-11 | | | 0.04 | 1451 | 0.03 | 0.03 | 0854 |
| 27.8 | | | | 0.06 | 1456 | 0.03 | 0.03 | 0856 |
| 28.5 | | | | | | 0.045 | 0.04 | 0857 |
| 29.6 | 200-12 | | | 0.05 | 1458 | 0.04 | 0.04 | 0858 |
| 30.4 | | | | 0.035 | 1500 | 0.04 | 0.04 | 1019 |
| 30.6 | 200-13 | | | 0.03 | 1502 | | | |
| 32.6 | | | | 0.04 | 1504 | 0.04a | 0.04 | 1031 |
| 32.9 | | | | 0.06 | 1506 | 0.04a | 0.04 | 1034 |
| 33.6 | 200-14 | | | 0.05 | 1508 | 0.04a | 0.04 | 1036 |
| 34.6 | | | 0.01 | 0.06 | 1510 | 0.04 | 0.04 | 1038 |
| 35.7 | 200-15 | | | 0.06 | 1512 | 0.04a | 0.04 | 1040 |
| 36.7 | | | | 0.08 | 1514 | 0.04a | 0.04 | 1042 |
| 37.8 | | | | 0.07 | 1515 | 0.04 | 0.04 | 1042 |
| 38.0 | 200-16 | | | 0.06 | 1516 | | | |
| 38.8 | | | | 0.07 | 1518 | | | |
| 39.8 | | | | 0.08 | 1520 | | | |
| 40.7 | 200-17 | | | 0.08 | 1521 | 0.04 | 0.07 | 1050 |
| 40.9 | | | | 0.07 | 1522 | | | |
| 42.2 | | | | 0.08 | 1524 | | | |
| 43.2 | 200-18 | | | 0.06 | 1525 | 0.05 | 0.07 | 1055 |
| 43.4 | | | | 0.06 | 1526 | | | |
| 44.3 | | | | 0.06 | 1528 | | | |
| 45.3 | 200-19 | | 0.03 | 0.07 | 1530 | 0.05 | 0.07 | 1102 |
| 46.0 | | | | 0.08 | 1531 | 0.05a | 0.07 | 1104 |
| 46.3 | | | | 0.07 | 1532 | 0.05a | 0.07 | 1106 |
| 47.3 | | | | 0.06 | 1534 | 0.05a | 0.07 | 1107 |
| 48.4 | 200-20 | | | 0.07 | 1535 | 0.05a | 0.07 | 1110 |
| 48.6 | | | | 0.07 | 1536 | 0.05a | 0.07 | 1112 |
| 49.4 | | | | 0.07 | 1538 | 0.05a | 0.07 | 1112 |
| 50.4 | 200-21 | | | 0.06 | 1540 | 0.05 | 0.05 | 1116 |
| 51.0 | | | | 0.07 | 1541 | 0.05a | 0.05 | 1119 |
| 51.4 | | | | 0.04 | 1542 | 0.05a | 0.05 | 1121 |
| 52.4 | 200-22 | | | 0.05 | 1544 | 0.04 | 0.04 | 1124 |
| 53.4 | | | | 0.05 | 1545 | | | |
| 53.7 | | | | 0.05 | 1546 | | | |
| 54.4 | | | | 0.06 | 1548 | 0.04a | | 1130 |
| 55.4 | | | | 0.05 | 1550 | | | |
| 56.3 | | | 0.02 | 0.04 | 1552 | 0.04a | | 1135 |
| 56.4 | | | | 0.07 | 1554 | 0.04a | | 1137 |
| 57.5 | 200-24 | | | 0.04 | 1555 | 0.04 | 0.04 | 1141 |
| 58.5 | | | | 0.05 | 1556 | | | |
| 59.5 | | | | 0.05 | 1558 | 0.04a | | 1144 |
| 60.6 | | | | 0.04 | 1600 | | | |
| 61.5 | 200-25 | | | 0.04 | 1601 | 0.04 | 0.04 | 1147 |
| 61.6 | | | | 0.04 | 1602 | 0.04 | 0.04 | 1150 |
| 62.6 | | | | 0.04 | 1604 | 0.04a | 0.04 | 1153 |
| 63.7 | 200-26 | | | 0.05 | 1605 | 0.04 | 0.04 | 1156 |
| 64.1 | | | | 0.05 | 1606 | | | |
| 64.7 | | | | 0.05 | 1608 | 0.04a | | 1200 |
| 65.8 | | | | 0.07 | 1610 | 0.04a | | 1203 |
| 66.6 | 200-27 | | 0.02 | 0.06 | 1611 | 0.04 | 0.04 | 1210 |
| 66.8 | | | | 0.05 | 1612 | | | |
| 67.8 | | | | 0.07 | 1614 | 0.04a | | 1213 |
| 68.8 | | | | 0.06 | 1616 | 0.04 | 0.04 | 1227 |
| 69.2 | | | | 0.05 | | | | |
| 69.8 | 200-28 | | | 0.03 | | | | |
| 70.8 | | | | | | | | |
| 71.8 | | | | | | | | |

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

* 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 | | 0.04 | 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) | | 0.03 | 0658 | 0.04 | 0915 |
| 41.9 | | 0.03 | 0659 | 0.04 | 0917 |
| 42.9 | | 0.03 | 0701 | 0.04 | 0919 |
| 43.9 | | 0.03 | 0703 | 0.04 | 0921 |
| 45.0 | | 0.03 | 0704 | 0.04 | 0923 |
| 46.0 | | 0.03 | 0706 | 0.04 | 0925 |
| 47.1 | | 0.04 | 0708 | 0.04 | 0927 |
| 48.1 | | 0.03 | 0709 | 0.04 | 0929 |
| 49.1 | | 0.03 | 0711 | 0.04 | 0931 |
| 50.2 | 0.03 | 0.04 | 0713 | 0.04 | 0933 |
| 51.2 | | 0.04 | 0715 | 0.04 | 0935 |
| 52.3 | | 0.03 | 0718 | 0.04 | 0937 |
| 53.3 | | 0.03 | 0800 | 0.04 | 0939 |
| 55.4 | | 0.03 | 0803 | 0.04 | 0940 |
| 56.5 | | 0.03 | 0805 | 0.04 | 0941 |
| 57.5 | | 0.03 | 0807 | 0.04 | 0947 |
| 58.5 | | 0.03 | 0809 | 0.03 | 0949 |
| 59.5 | | 0.04 | 0812 | 0.03 | 0953 |
| 60.5 | | 0.04 | 0815 | 0.03 | 1005 |
| 61.5 | 0.02 | 0.03 | 0816 | 0.03 | 1007 |
| 62.6 | | 0.03 | 0817 | 0.03 | 1009 |
| 63.6 | | 0.04 | 0819 | 0.03 | 1012 |
| 64.6 | | 0.04 | | | |

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 INTER-SECTION 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 | D-11 Day back- ground | D + 3 Days | |
|---------------------------|--------------------------------|---------------------------------|------------|
| | | Dose Rate (Shield closed) | At time |
| miles | mr/hr | mr/hr | 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 |

xl

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 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 | 0.04 | 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 | 1118 | 0.04 | 1403 |
| 28.4 | | | 0.04 | 1120 | 0.04 | 1405 |
| 29.4 | | | 0.05 | 1121 | 0.04 | 1407 |
| 30.5 | | | 0.04 | 1122 | 0.04 | 1408 |
| 31.5 | | | 0.04 | 1124 | 0.04 | 1410 |
| 32.5 | | | 0.04 | 1126 | 0.04 | 1411 |
| 33.6 | | | 0.04 | 1128 | 0.04 | 1412 |
| 34.6 | | | 0.04 | 1130 | 0.04 | 1414 |
| 35.6 | | | 0.05 | 1133 | 0.04 | 1414 |
| 36.7 | | | 0.04 | 1135 | 0.04 | 1416 |
| 37.7 | | | 0.04 | 1137 | 0.04 | 1418 |
| 38.7 | | | 0.04 | 1139 | 0.04 | 1419 |
| 39.8 | | | 0.04 | 1141 | 0.04 | 1420 |
| 40.8 | | | 0.05 | 1143 | 0.04 | 1421 |
| 41.8 | | | 0.04 | 1145 | 0.04 | 1422 |
| 42.9 | | 0.02 | 0.03 | 1145 | 0.04 | 1422 |
| 43.9 | | | 0.04 | 1147 | 0.04 | 1423 |
| 44.9 | | | 0.04 | 1149 | 0.04 | 1425 |
| 46.0 | | | 0.04 | 1151 | 0.04 | 1427 |
| 47.0 | | | 0.04 | 1153 | 0.04 | 1429 |
| 48.0 | | | 0.04 | 1155 | 0.04 | 1431 |
| 49.1 | | | 0.04 | 1157 | 0.04 | 1433 |
| 50.1 | | | 0.04 | 1159 | 0.04 | 1435 |
| 51.1 | | | 0.04 | 1201 | 0.04 | 1437 |
| 52.2 | | | 0.05 | 1203 | 0.04 | 1439 |
| 53.2 | | | 0.04 | 1205 | 0.04 | 1441 |
| 54.2 | | 0.02 | 0.04 | 1207 | 0.04 | 1443 |
| 55.3 | | | 0.04 | 1209 | 0.04 | 1445 |
| 56.3 | | | 0.04 | 1211 | 0.04 | 1447 |
| | | | 0.04 | 1213 | 0.04 | 1449 |
| | | | 0.04 | 1215 | 0.04 | 1453 |