

Instrument Field Response Check Log

1. Instrument Information¹
 Ratemeter: Lucifer 2011-2 Make/Model: Lucifer 2011-2 Serial No. 200098 Cal Due Date: 09/01/16
 Detector 1: Lucifer 44-10 Make/Model: Lucifer 44-10 Serial No. R113042 Cal Due Date: _____
 Bicron MicroRem Meter: _____ Serial No. _____ Cal Due Date: _____

2. Check Source Information:
 Source 1 Isotope: 75-332 Serial No.: 111 Activity: 20.1 units: uCi Assay Date: 12/30/10
 Response Acceptance Range (+/-20%): uRem/hr +20% uRem/hr -20% _____ net cpm + 20% 53898 net cpm -20% 35866
 Source 2 Isotope: CS-137 Serial No.: 119032-12 Activity: 202 units: uCi Assay Date: NA
 Response Acceptance Range (+/-20%): uRem/hr +20% uRem/hr -20% _____ net cpm + 20% 13273 net cpm -20% 8899

3. Technician/Worker Performing Checks: Name: J. Edwards Title: RCT Date: 12/17/15 Time: 0815
 4. Site or Location: Site/Job: Area 5.5-5.6 Location Description: woods
 GPS Coordinates (when required): X-Coord: _____ Y-Coord: _____

Meter	Bkg Cnt Time	Bkg Counts (cpm) or uRem/hr	Source Cnt Time	Source Response (gross cpm or uRem/hr)	Use Acceptance Criteria			Time Of check	Ambient Temp. (°F)	Remarks (add'l info: inst. Condition, etc.)
					+/- 20% source gross cpm or uRem/hr (Y/N)	Inst. Calib. current (Y/N)	Battery Check (Y/N)			
Ratemeter	1 min	9274 cpm	1 min	44808 cpm	Y	Y	Y	0819	49.4°	TK-232 DE
Ratemeter	1 min	1111 cpm	1 min	11109 cpm	Y	Y	Y	0523	49.4°	CS-137 DE
Ratemeter	1 min	9433 cpm	1 min	46391 cpm	Y	Y	Y	1033	50.1°	TK-232 DE
Ratemeter	1 min	1144 cpm	1 min	11440 cpm	Y	Y	Y	1046	50.1°	CS-137 DE
Ratemeter	1 min	7820 cpm	1 min	44433 cpm	Y	Y	Y	1400	43.5°	TK-232 DE
Ratemeter	1 min	9743 cpm	1 min	9743 cpm	Y	Y	Y	1400	43.5°	CS-137 DE
Bicron	NA	5000 uR/h	NA	3000 uR/h	Y	Y	Y	1035	50.3°	TK-232 DE
Bicron	NA	5000 uR/h	NA	3000 uR/h	Y	Y	Y	1400	73.5°	TK-232 DE

1. Instrument designated check source is listed on calibration sticker. Record check source response (net cpm) prior to field deployment for all check sources being used.
 2. Source and Background count rate should be determined from the average of three static counts at the same location. Repeat counts should be within 20%. If count rate diverges significantly, perform additional counts to evaluate instrument stability