



STATE OF WISCONSIN RADIOACTIVE MATERIALS LICENSE 071-1234-01

RAM SERVICES, INC. 510 COUNTY HIGHWAY V TWO RIVERS, WI 54241 UNITED STATES ATTENTION: JERRY WIZA	RAM SERVICES, INC. TWO RIVERS SUMMARY LEAK TEST REPORT 01 December 2011
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ASSAY NO.	SERIAL NO.	DEVICE SERIAL NO.	ISOTOPE	SOURCE ACTIVITY mCi GBq	WIPE DATE ANALYSIS DATE	MDA µCi Bq	SAMPLE ACTIVITY µCi Bq	TEST PASS OR FAIL
Source Falls Test if Activity Exceeds RAM SERVICES, INC. Action Level						185 Bq 37 Bq	.005 µCi 1.00E-9 µCi	
91999	2784	18081	CS-137	1200 mCi 44.4 GBq	04 Oct 2011 04 Oct 2011	1.36E-06 µCi 0.5 Bq	-1E-06 µCi -0.22807 Bq	SOURCE PASSED TEST
90058	2784	18081	CS-137	1200 mCi 44.4 GBq	02 Sep 2011 02 Sep 2011	1.16E-06 µCi 0.46 Bq	0 µCi -0.67018 Bq	SOURCE PASSED TEST
89980	2784	18081	CS-137	1200 mCi 44.4 GBq	02 Aug 2011 02 Aug 2011	1.36E-06 µCi 0.46 Bq	1E-06 µCi 0.18719 Bq	SOURCE PASSED TEST
88213	2784	18081	CS-137	1200 mCi 44.4 GBq	01 Jul 2011 01 Jul 2011	1.24E-06 µCi 0.46 Bq	0 µCi 0.00679 Bq	SOURCE PASSED TEST
87284	2784	18081	CS-137	1200 mCi 44.4 GBq	20 May 2011 20 May 2011	1.2E-06 µCi 0.44 Bq	0 µCi 0 Bq	SOURCE PASSED TEST
86256	2784	18081	CS-137	1200 mCi 44.4 GBq	14 Apr 2011 14 Apr 2011	1.34E-06 µCi 0.5 Bq	1E-06 µCi 0.33912 Bq	SOURCE PASSED TEST
86170	2784	18081	CS-137	1200 mCi 44.4 GBq	01 Mar 2011 01 Mar 2011	1.29E-06 µCi 0.46 Bq	0 µCi 0.10629 Bq	SOURCE PASSED TEST
84928	2784	18081	CS-137	1200 mCi 44.4 GBq	13 Feb 2011 13 Feb 2011	1.36E-06 µCi 0.51 Bq	0 µCi -0.89381 Bq	SOURCE PASSED TEST
84940	2784	18081	CS-137	1200 mCi 44.4 GBq	11 Jan 2011 11 Jan 2011	1.36E-06 µCi 0.46 Bq	1E-06 µCi 0.22228 Bq	SOURCE PASSED TEST
100	TEST_SOURCE	TEST_DEVICE	CS-137	600 mCi 22.2 GBq	01 Jan 1999 28 Dec 2010	1.27E-06 µCi 0.47 Bq	0 µCi -0.09061 Bq	SOURCE PASSED TEST
101	TEST_SOURCE	TEST_DEVICE	CS-137	600 mCi 22.2 GBq	05 Oct 2010 05 Oct 2010	1.34E-06 µCi 0.49 Bq	0 µCi -0.10123 Bq	SOURCE PASSED TEST
102	2784	18081	CS-137	1200 mCi 44.4 GBq	06 Oct 2010 06 Oct 2010	1.34E-06 µCi 0.49 Bq	0 µCi 0.04884 Bq	SOURCE PASSED TEST
78940	S-1980	18290	CS-137	600 mCi 22.2 GBq	04 Jun 2010 04 Jun 2010	1.26E-06 µCi 0.47 Bq	0 µCi -0.04884 Bq	SOURCE PASSED TEST



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SEALED SOURCE LEAK TEST CERTIFICATE			
RAM ACCESSION NO.		91809	
RAM SERVICES, INC. - TWO RIVERS			
LOCATION		54241 - TWO RIVERS	
CONTACT PERSON		JERRY WIZA	PHONE 1-920-686-3889
RAM SERVICES, INC. TWO RIVERS 510 COUNTY HIGHWAY V TWO RIVERS, WI 54241 UNITED STATES			
LEAK TEST ANALYSIS			
EQUIPMENT NO.	4F 8H	DEVICE/TOOL NUMBER	10001
SOURCE SERIAL NO.	2784	MANUFACTURER SN	
ISOTOPE	CS-137	SOURCE ORIGINAL ACTIVITY	1200 mCi 44.4 GBq
DATE SOURCE WIPED	04 Oct 2011	REASON FOR TEST	PERIODIC
ANALYSIS DATE	04 Oct 2011	ANALYTICAL METHOD	Liquid Scintillation Counting
RAW SAMPLE COUNT	17 cpm	INSTRUMENT	Beckman LS 8500 708-8054
BACKGROUND	30 cpm	COUNTING EFFICIENCY	0.86%
NET SAMPLE COUNT	-12.4887 cpm	MINIMUM DETECTABLE ACTIVITY	1.36E-06 µCi 0.5 Bq
SAMPLE ANALYSIS ACTIVITY	-1E-06 µCi -0.22807 Bq	PASS/FAIL CRITERION	0.005 µCi 185 Bq
SOURCE PASSES TEST		ACTION LEVEL	0.001 µCi 37 Bq
ANALYST	Don Jordan	<i>Don K Jordan</i>	
NOTES:			
ADDITIONAL SOURCE DESCRIPTION: CALIBRATION ROOM			