Semi-Annual Inventory of Sealed Sources

Walter L. Robinson & Associates

Client: KENT GENERAL HOSPITAL Date:	12/3/08
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Radio- nuclide	Source Type	Location	Serial Number	Possession Limit (mCi)	Stated Activity	Calibration Date	Approx. Activity
Co-57	FLOOD	Hot Lab	BM01101314	30 mCi/source	10 mCi	7/19/2004	0.171 mCi
Co-57	FLOOD	Hot Lab	1185-004	30 mCi/source	10 mCi	5/1/2006	0.90 mCi
Co-57	FLOOD	Hot Lab	BM01103189	30 mCi/source	10 mCi	10/12/2007	3.48 mCi
Co-57	DC STD	Hot Lab	BM06-57003-12	30 mCi/source	5.69 mCi	1/27/2003	24.4 uCi
Co-57	DC STD	Hot Lab	BM06E-57-56-43	30 mCi/source	5.80 mCi	8/20/2007	1.67 mCi
Co-57	ROD	Hot Lab	851-25-8	30 mCi/source	0.107 uCi	4/1/2002	0.22 nCi
Cs-137	DC STD	Hot Lab	1124-30-21	200 uCi/source	205 uCi	8/1/2005	190.1 uCi
Cs-137	ROD	Hot Lab	042286-011	200 uCi/source	0.102 uCi	4/22/1986	≤ 0.10 uCi
Cs-137	ROD	Hot Lab	Spec. Elec.	200 uCi/source	5.0 uCi	1/12/2005	≤5 uCi
Cs-137	(4) Check Sources	Hot Lab	~~~	200 uCi/source	≤ 40 uCi	~~~	≤ 40 uCi
Cs-137	MARKER	Hot Lab	1140-97-9	200 uCi/source	10 uCi	3/1/2006	≤ 10 uCi
Co-57	DC STD	Rad ONC	788-14-28	30 mCi/source	5.674 mCi	12/1/2001	8.20 uCi
Ba-133	DC STD	Rad ONC	788-31-2	200 uCi/source	277.9 uCi	1/1/2002	177.1 uCi
Cs-137	DC STD	Rad ONC	788-3-12	200 uCi/source	261.2 uCi	11/1/2001	222.2 uCi
Cs-137	ROD	Rad ONC	~~~	200 uCi/source	0.5 uCi	10/1/2001	≤ 5 uCi
Cs-137	(4) Check Sources	Rad ONC	~~~	200 uCi/source	≤ 13 uCi	5/1/1997	≤3 uCi

Any possession limits exceeded?	NO		
Any sealed sources that can be disposed of after proper n	nonitoring?	NO	
Radiation Survey of these sources yielded maximum of: 0.05 mR/hr (Hot lab Oncology)	0.08	mR/hr. (Hot lab Lead fort) mR/hr (Cabinet)	

WIPE TEST OF SEALED RADIOACTIVE SOURCES

PERFORMED BY: WALTER L. ROBINSON & ASSOCIATES: CONSULTANT RADIATION PHYSICISTS 1-800-446-7622

Wipes	Measured On:		AtomLab 950)	Reference source of:		uCi yielded		counts.
					Therefore, 0.00	05 uC1 equals:	3,300	net standard counts	<u>.</u>
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RADIO-	LOCATION	TYPE	SERIAL	APPROX.	NORMALIZED	NET STD.	NET WIPE	REMOVABLE	% OF
NUCLIDE	STORED	OR USE	NUMBER	ACT. (mCi)	STD. ACT.	COUNT	COUNT	ACT. (uCi)	LIMIT
Co-57	Hot Lab	Flood	BM01101314	0.17 mCi	0.005	3300	0	0.00E+00	0.00%
Co-57	Hot Lab	Flood	BM01101314 BM01103189	3.48 mCi	0.005	3300	2	3.03E-06	0.06%
Co-57	Hot Lab	Flood	1185-004	0.90 mCi	0.005	3300	1	1.52E-06	0.00%
Co-57	Lead Fort	D.C. Std	BM06E-57-56-43	1.67 mCi	0.005	3300	4	6.06E-06	0.03%
Cs-137	Lead Fort	D.C. Std	1124-30-21		0.005		3	4.55E-06	0.12%
CS-13/	Lead Fort	D.C. Sta	1124-30-21	190.1 uCi	0.005	3300	3	4.33E-00	0.09%
Ba-133	ONC	D.C. Std	788-31-2	177.1 uCi	0.005	3300	2	3.03E-06	0.06%
							1		
Cs-137	ONC	D.C. Std	788-31-12	222.2 uCi	0.005	3300	1	1.52E-06	0.03%
					ll other sources are l	below 100 u	Ci and/or bein	g held for	
	deca	y in storag	e, and thus, need	not be wipe te	ested.				
Wines	Collected Ry:	Ias	y M. Yoder	W	ipes Measured By:	Iav N	1 Voder	1	

Semi-Annual Inventory of Sealed Sources

Keystone Physics Limited

Client:	KENT GENERAL HOSPITAL	Date:	6/5/2013
Olici It.		Date.	0/5/2015

Radio- nuclide	Source Type	Location	Serial Number	Possession Limit (mCi)	Stated Activity	Calibration Date	Approx. Activity
Co-57	FLOOD	Hot Lab	BM011010118104	30 mCi/source	10 mCi	5/28/2010	0.609 mCi
Co-57	FLOOD	Hot Lab	BM011012201202	30 mCi/source	10 mCi	8/18/2012	4.761 mCi
Co-57	FLOOD	Hot Lab	BM011011187101	30 mCi/source	10 mCi	8/5/2011	1.810 mCi
Co-57	DC STD	Hot Lab	BM06057E12185129	30 mCi/source	5.67 mCi	7/9/2012	2.437 mCi
Co-57	ROD	Hot Lab	851-25-8	30 mCi/source	0.107 uCi	4/1/2002	0.004 nCi
Co-57	DC STD	Hot Lab	BM06057E10118103	30 mCi/source	5.62 mCi	5/4/2010	0.322 mCi
Cs-137	DC STD	Hot Lab	1124-30-21	200 uCi/source	205 uCi	8/1/2005	171.5 uCi
Cs-137	ROD	Hot Lab	042286-011	200 uCi/source	0.102 uCi	4/22/1986	≤ 0.10 uCi
Cs-137	ROD	Hot Lab	Spec. Elec.	200 uCi/source	5.0 uCi	1/12/2005	≤ 5 uCi
Cs-137	(5) Check Sources	Hot Lab / Meters	~~~	200 uCi/source	≤ 40 uCi	~~~	≤ 40 uCi
Cs-137	MARKER	Hot Lab	1140-97-9	200 uCi/source	10 uCi	3/1/2006	≤ 10 uCi
Co-57	DC STD	Hot Lab	788-14-28	30 mCi/source	5.674 mCi	12/1/2001	0.202 uCi
Ba-133	DC STD	Hot Lab	788-31-2	200 uCi/source	277.9 uCi	1/1/2002	132.5 uCi
Cs-137	DC STD	Hot Lab	788-3-12	200 uCi/source	261.2 uCi	11/1/2001	200.6 uCi
Cs-137	ROD	Hot Lab	757-65	200 uCi/source	0.5 uCi	10/1/2001	≤ 5 uCi
Cs-137	(3) Check Sources	Rad ONC / On Meters	~~~	200 uCi/source	≤ 13 uCi	5/1/1997	≤3 uCi

Any possession limits exceeded?	NO		
Any sealed sources that can be disposed of after proper mo	onitoring?	NO	
Radiation Survey of these sources yielded maximum of: 0.04 mR/hr (Hot lab Oncology)	0.07	mR/hr. (Hot lab Lead fort) mR/hr (Cabinet)	
Jay M. Yoder		Adam M. Henry	
Consultant Radiation Physicist	Radia	tion Safety Officer	

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WIPE TEST OF SEALED RADIOACTIVE SOURCES

PERFORMED BY: KEYSTONE PHYSICS LIMITED: CONSULTANT RADIATION PHYSICISTS

CLIENT:		KEN'	T GENERAL	HOSPITA	L	DATE:			
Wipes Measured On: AtomLab 950				Reference source of: Therefore, 0.00		uCi yielded 3,818	292,039 net standard counts	counts.	
		1							
RADIO-	LOCATION	TYPE	SERIAL	APPROX.	NORMALIZED	NET STD.	NET WIPE	REMOVABLE	% OF
NUCLIDE	STORED	OR USE	NUMBER	ACT. (mCi)	STD. ACT.	COUNT	COUNT	ACT. (uCi)	LIMIT
Co-57	Hot Lab	Flood	BM011010118104	0.609 mCi	0.005	3818	6	7.86E-06	0.16%
Co-57	Hot Lab	Flood	BM011011187101	1.810 mCi	0.005	3818	4	5.24E-06	0.10%
Co-57	Hot Lab	Flood	BM011012201202	4.761 mCi	0.005	3818	5	6.55E-06	0.13%
Cs-137	Lead Fort	D.C. Std	1124-30-21	171.5 uCi	0.005	3818	4	5.24E-06	0.10%
Co-57	Lead Fort	D.C. Std	BM06057E12185129	2.437 mCi	0.005	3818	7	9.17E-06	0.18%
Ba-133	Lead Fort	D.C. Std	788-31-2	132.5 uCi	0.005	3818	5	6.55E-06	0.13%
Cs-137	Lead Fort	D.C. Std	788-31-12	200.6 uCi	0.005	3818	7	9.17E-06	0.18%
			ith 10CFR 35.67. and thus, need no		other sources are be	elow 100 uC	i and/or being	held for	
Wipes	Collected By:	Ja	y M. Yoder	W	Vipes Measured By:	Jay M	I. Yoder	_	
	•		on Safety Officer:	Ada	m M. Henry	. Da	ate Reviewed:	6/5/2013	
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