

**Cook, Jackie**

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**From:** Ronald Frick [rfrick@gammacorp.com]  
**Sent:** Friday, October 28, 2011 12:14 AM  
**To:** Cook, Jackie  
**Subject:** Hawaii Medical Center inventory  
**Attachments:** hmc\_inventory.xls

Jackie,

Attached is the inventory for Hawaii Medical Center as of this afternoon. I didn't calculate the current activity for the sealed sources, but provided the reference dates.  
Let me know if you need additional information.

Ron Frick

PUBLIC

Immediate Release  
 Normal Release

NON-PUBLIC

A.3 Sensitive-Security Related  
 A.7 Sensitive Internal  
 Other: \_\_\_\_\_

Reviewer: JAC Date: 8/1/12

**Hawaii Medical Center - West**

Isotope	Form	mCi	Reference date
Tc-99m	Inventory+Waste	175	10/27/2011
Tl-201	Inventory+Waste	27	10/27/2011
In-111	Inventory+Waste	0.5	10/27/2011
I-131	Inventory+Waste	0.0029	10/27/2011
Cs-137	Sealed source	0.212	2/5/1990
Cs-137	Sealed source	0.01	Oct-04
Cs-137	Sealed source	0.01	4/1/2002
Co-57	Sealed source	5.68	3/7/2005
Co-57	Sealed source	0.055	6/1/2003
Co-57	Sealed source	20	4/1/2009
Co-57	Sealed source	10	4/1/2009

**Hawaii Medical Center - East**

Isotope	Form	mCi	Reference date
Tc-99m	Inventory+Waste	217	10/27/2011
Tl-201	Inventory+Waste	14	10/27/2011
In-111	Inventory+Waste	0.1	10/27/2011
Ba-133	Sealed source	0.2	12/26/1974
Cs-137	Sealed source	0.001	1970 approx
Ba-133	Sealed source	0.0067	9/11/1985
Ba-133	Sealed source	1.06E-04	6/27/1988
Cs-137	Sealed source	0.095	6/9/1976
Cs-137	Sealed source	0.213	8/2/1978
Cs-137	Sealed source	0.0005	6/15/1996
Co-57	Sealed source	0.532	10/1/1996
Co-57	Sealed source	0.46	2/1/2001
Co-57	Sealed source	20	8/1/2009
Co-57	Sealed source	0.23	8/9/1991
Co-57	Sealed source	10	1/15/1991
Co-57	Sealed source	0.46	12/23/1993
Co-57	Sealed source	1.04E-04	5/22/1987
Co-57	Sealed source	1.24E-04	8/13/1991
Eu-152	Sealed source	0.5	6/15/1996
I-129	Sealed source	9.20E-05	6/24/1982
I-129	Sealed source	1.46E-05	?
I-129	Sealed source	3.50E-05	?
I-129	Sealed source	3.50E-05	?
H-3	Exit sign	15000	Mar-87
H-3	3 Tubes from exit sign	30000	Jun-83

Also have residual Sm-153 (Quadramet) in vials and syringes from approx. 14 administrations. All contain residual activity from long lived contaminants (Eu-154) of unknown activity. All Sm-153 waste is greater than 2 years old.