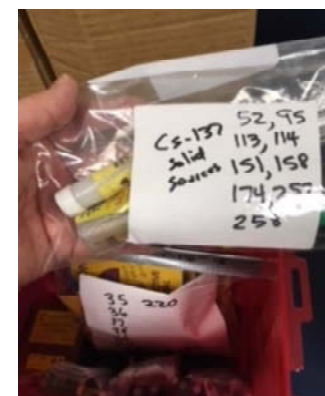
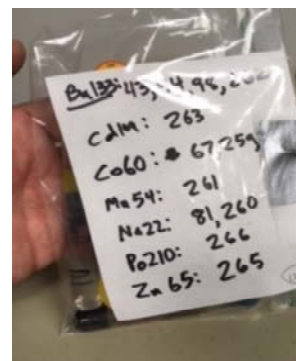
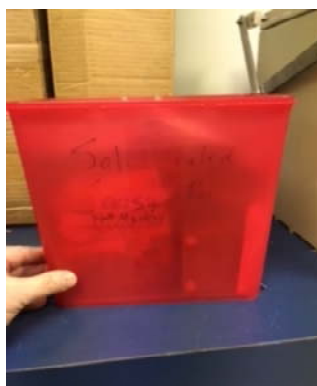


Attachment 1
1-Sealed sources-solids (1)

VA Source #	Nuclide	Manufacturer	Model No. (Catalog No.)	Serial No. (Source No.)	Physical Description	Reference Activity (mCi)	Reference Date	Current Activity (7/12/2018) (mCi)	Current Activity MBq
63	Am-241	NA	NA	VA043	small solid source; in ~20 ml vial	0.07	5/5/1995	0.06745	2.495583
171	Am-241	Packard Instrument Co.	3385	23121	Small source from counter; 3" test tube	0.13	2/28/1975	0.12128	4.487254
43	Ba-133	Packard Instrument Co.	Packard 2200CA	LSC101219	source from liq scint ctr in 3" test tube	0.02	10/10/1988	0.00281	0.103856
94	Ba-133	New England Nuclear	NES-138S	285-251	standard; 3" test tube	0.00127	11/1/1977	0.00009	0.003203
98	Ba-133	New England Nuclear	NA		standard; 3" test tube	0.0068	3/4/1976	0.00042	0.015370
262	Ba-133	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000015
263	Cd-109	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000000
35	Co-57	Isotope Products Labs	(SM-057-50U)	(67-289) (VA039)	nucmed spot marker (disk; 1" diameter)	0.05	5/15/1996	0.00000	0.000000
36	Co-57	Isotope Products Labs	(SM-057-50U)	(67-289) (VA040)	nucmed spot marker (disk; 1" diameter)	0.05	5/15/1996	0.00000	0.000000
37	Co-57	Isotope Products Labs	(SM-057-50U)	(67-289) (VA041)	nucmed spot marker (disk; 1" diameter)	0.05	5/15/1996	0.00000	0.000000
38	Co-57	Isotope Products Labs	(SM-057-50U)	(67-289) (VA042)	nucmed spot marker (disk; 1" diameter)	0.05	5/15/1996	0.00000	0.000000
64	Co-57	Isotope Products Labs	(GF-0012)	(541-5-1)	gamma std (~3" x 0.5" rod)	0.0001103	5/15/1996	0.00000	0.000000
71	Co-57	Isotope Products Labs	(GF-057)	(469-12B)	gamma std (disk; ~1" diameter)	0.0001	8/1/1994	0.00000	0.000000
153	Co-57	Isotope Products Labs	(GF-057)	619-4-1	gamma std (disk; ~1" diameter)	0.0009488	5/15/1998	0.00000	0.000000
166	Co-57	Isotope Products Labs	(SM-057-50U)	(744-77; 0007451)	gamma counter source	0.05	9/1/2001	0.00000	0.000000
167	Co-57	Isotope Products Labs	(SM-057-50U)	(744-77; 0007452)	gamma counter source	0.05	9/1/2001	0.00000	0.000000
198	Co-57	Isotope Products Labs	(SM-057-50U)	0009980 (970-17-2)	nuc med spot marker (disk; 1" diameter)	0.05	3/1/2003	0.00000	0.000001
199	Co-57	Isotope Products Labs	(SM-057-50U)	0009981 (970-45-2)	nuc med spot marker (disk; 1" diameter)	0.05	3/1/2003	0.00000	0.000001
200	Co-57	Isotope Products Labs	(GF-057-T2)	971-151-1	gamma counter source	0.0001005	7/1/2003	0.00000	0.000000
203	Co-57	Isotope Products Labs	(GF-057-D)	1036-64	gamma std (disk; ~1" diameter)	0.0001071	4/15/2004	0.00000	0.000000
207	Co-57	Isotope Products Labs	(SM-057-50U)	0013777(1093-61-11)	nuc med spot marker (disk; 1" diameter)	0.05	3/1/2005	0.00000	0.000007
210	Co-57	Isotope Products Labs	(SM-057-50U)	0015170(1140-36-8)	nuc med spot marker (disk; 1" diameter)	0.05	10/1/2005	0.00000	0.000012
213	Co-57	Isotope Products Labs	(GF-057-D)	1234-82	gamma std (disk; ~1" diameter)	0.000101	8/1/2007	0.00000	0.000000
219	Co-57	Eckert & Ziegler Isotope P	(SM-057-50U)	1266-59-7	nuc med spot marker (disk; 1" diameter)	0.05	12/1/2007	0.00000	0.000092
220	Co-57	Eckert & Ziegler Isotope P	(SM-057-50U)	1266-59-8	nuc med spot marker (disk; 1" diameter)	0.05	12/1/2007	0.00000	0.000092
221	Co-57	Eckert & Ziegler Isotope P	484-77-2	484-77-2	gamma counter source	0.01	10/1/1995	0.00000	0.000000
255	Co-57	Packard Instrument Co.	NA	7007741/42/51/65 /67/69/71/73/77/87 7014229/4244/4232/42 20 /4191/4203/4208/4234 /4238	gamma stds; 3" test tubes; 10 total	0.001	10/12/1992	0.00000	0.000000
256	Co-57	Packard Instrument Co.	(5081057)		gamma stds; 3" test tubes; 10 total	0.001	5/29/1995	0.00000	0.000000
264	Co-57	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000000
67	Co-60	New England Nuclear	NA	NA	standard, 3" test tube	0.0071	1/9/1976	0.00003	0.001013
259	Co-60	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000000
267	Co-60	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000000
52	Cs-137	Beckman	LS9800	S2082804G-1	source from liq scint ctr (small BB in vial)	0.04	12/13/1982	0.01758	0.650627
95	Cs-137	New England Nuclear	NES-139S	285-250	standard; 3" test tube	0.00014	11/1/1977	0.00005	0.002023
113	Cs-137	Packard Instrument Co.	(P/N 6018503)	(176-205) 180	gamma counter source	0.00025	11/1/1996	0.00015	0.005604
114	Cs-137	Packard Instrument Co.		049	gamma counter source	0.00025	1/1/1991	0.00013	0.004898
151	Cs-137	Pickering	NA	25-1313	check source; 1.5" disk	0.001	1/1/1997	0.00061	0.022504
158	Cs-137			VA065	gamma counter source	0.04	6/29/1999	0.02577	0.953424
174	Cs-137	Packard Instrument Co.	6018503	092	gamma std (test tube source)	0.00025	5/1/1999	0.00016	0.005937
257	Cs-137	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00006	0.002394
268	Cs-137	Beckman	FROM LS5801	SN 7012409	std; small BB's in 20ml vial	0		0.00000	0.000000
137	I-129	New England Nuclear	NA	NA	standard; 3" test tube	0.00011	1/1/1987	0.00011	0.004070
206	I-129	Canberra Industries, Inc	(5081029)	85E12-59/60/63/67/ 72/75/77/78/79/80	sealed standards; 3" test tubes; 10 total	0.048 x 10	8/12/2003	0.48000	17.759988

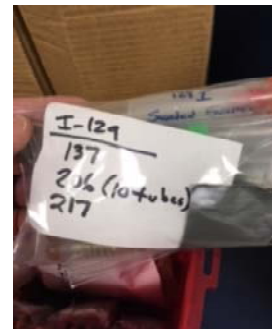
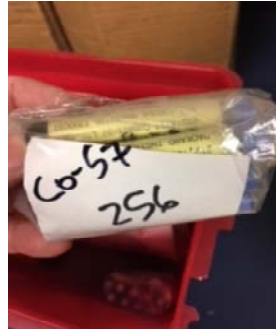
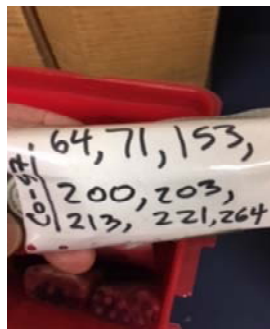
Attachment 1
1-Sealed sources-solids (1)

VA Source #	Nuclide	Manufacturer	Model No. (Catalog No.)	Serial No. (Source No.)	Physical Description	Reference Activity (mCi)	Reference Date	Current Activity (7/12/2018) (mCi)	Current Activity MBq
217	I-129	Packard Instrument Co.		5069257	gamma counter source	0.00006	9/28/2007	0.00006	0.002220
261	Mn-54	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000000
81	Na-22	Isotope Products Labs	(290R-1)	(10724-7)	Gamma std (rod - inches)	0.001	8/1/1983	0.00000	0.000003
260	Na-22	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000000
266	Po-210	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.0001	undated	0.00000	0.000000
115	Sr/Y-90	The Source, Inc	91SR310	91SR3104006	Beta disk source (31 mm diam x 0.8 mm thk)	0.0000031	10/18/1991	0.00000	0.000058
265	Zn-65	Oxford Instruments	Labeled "Exempt"	NA	check src (1" disc)	0.001	undated	0.00000	0.000000
TOTALS (> 120 day half life)									
Am-241								0.18873	6.9828
Ba-133								0.0033	0.1224
Co-57								0.00001	0.0002
Co-60								0.00003	0.0010
Cs-137								0.04452	1.6474
I-129								0.48006	17.7622
Mn-54								0.00000	0.0000
Na-22								0.00000	0.0000
Po-210								0.00000	0.0000
Sr/Y-90								0.00000	0.0001
Zn-65								0.00000	0.0000



Attachment 1
1-Sealed sources-solids (1)

VA Source #	Nuclide	Manufacturer	Model No. (Catalog No.)	Serial No. (Source No.)	Physical Description	Reference Activity (mCi)	Reference Date	Current Activity (7/12/2018) (mCi)	Current Activity MBq
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Attachment 2
2-Sealed sources-solids (2)

VA Source #	Nuclide	Manufacturer	Model No. (Catalog No.)	Serial No. (Source No.)	Physical Description	Reference Activity (mCi)	Reference Date	Current Activity (7/12/2018) (mCi)	Current Activity MBq
228	Co-57	Eckert & Ziegler	CTRF10021	1417-049	nuc med flood source (~25" x 18")	10	1/1/2010	0.00348	0.128786
237	Co-57	Eckert & Ziegler Isotope P	CTRF10021	1586-028	nuc med flood source (~25" x 18")	10	4/1/2012	0.02841	1.051117
231	Co-57	Eckert & Ziegler Isotope P	NES8430	1435-165	nuc med flood source (~24" x 17")	15	6/1/2010	0.00768	0.284221
232	Co-57	Eckert & Ziegler	NES8430	1517-169	nuc med flood source (~24" x 17")	15	5/1/2011	0.01805	0.667712
233	Co-57	Eckert & Ziegler Isotope P	MED3709	1564-178	nuc med flood source (~24" x 17")	15	1/1/2012	0.03377	1.249338
238	Co-57	Eckert & Ziegler Isotope P	MED3709	1630-012	nuc med flood source (~24" x 17")	15	11/1/2012	0.07366	2.725246
242	Co-57	RadQual, LLC	BM01L-15	BM01L1514085302	nuc med flood source (~24" x 17")	15	4/25/2014	0.29303	10.842180
245	Co-57	Eckert & Ziegler	MED3709	1777-013	nuc med flood source (~24" x 17")	15	12/1/2014	0.51433	19.030199
56	Gd-153	Isotope Products Labs	(HEGL-0022)	KK-855	line source (0.25" x 10.51")	60	6/1/1997	0.00000	0.000000
170	Ge-68	Isotope Products Labs	(HEGL-0109)	YY-940	line source (0.12" x 5.7")	0.5	10/1/2001	0.00000	0.000003

TOTALS	(> 120 day half life)	
Co-57	0.972	35.979
Gd-153	0.00000	0.0000
Ge-168	0.00000	0.0000



Attachment 2
2-Sealed sources-solids (2)



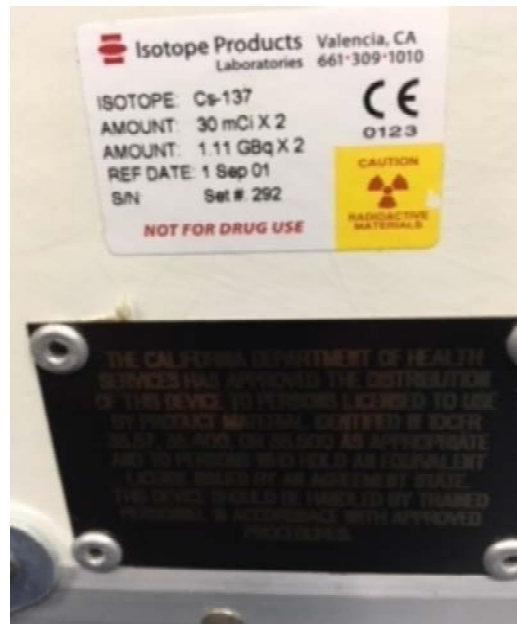
Attachment 3
3-Sealed sources-Cs137DU

VA Source #	Nuclide	Manufacturer	Model No.	Serial No.	Source Type	Physical Description	Reference Activity (mCi)	Reference Date	Current Activity (7/12/2018) (mCi)	Current Activity MBq
168	Cs-137 w/DU	Isotope Products Labs	HEG-137	CZ-169	Sealed-solid	shielded in box	30	9/1/2001	20.32	751.94
169	Cs-137 w/DU	Isotope Products Labs	HEG-137	CZ-196	Sealed-solid	shielded in box	30	9/1/2001	20.32	751.94
Total									40.65	1503.9

Two separate shielded sources in a single container (box). Each has 15 kg (33 pounds) of Depleted Uranium shielding.

~16" x 10" x 10" container (JAN-AL Cases, 800 735 2625) with pair of Cs-137 sources each in DU shield. May require overpack because I do not have any DOT 7A container paperwork.

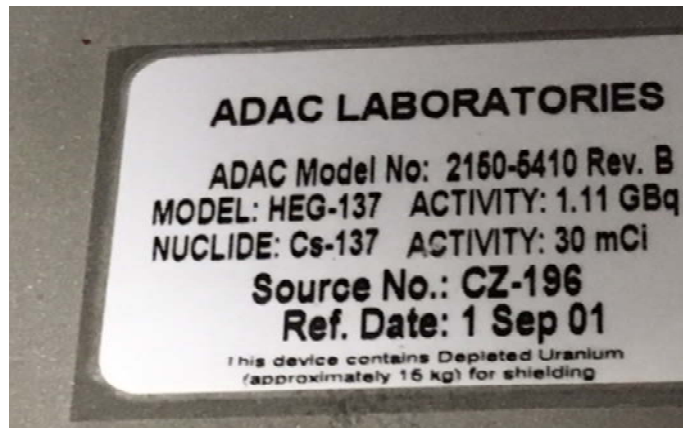
According to the bottom of the ADAC Laboratories label: "This device contains Depleted Uranium (approximately 15 kg) for shielding."



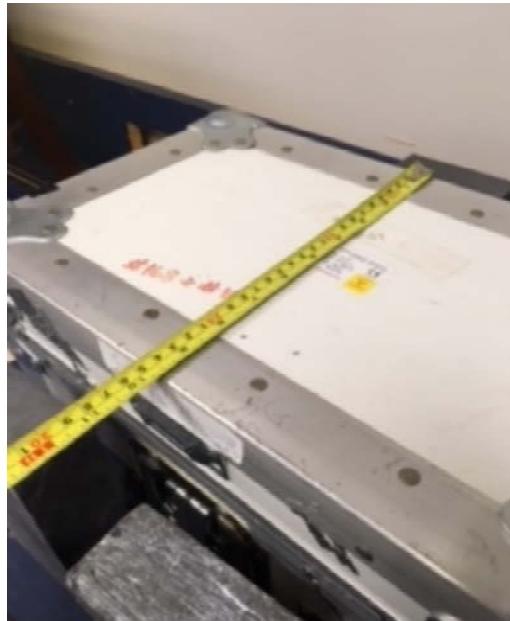
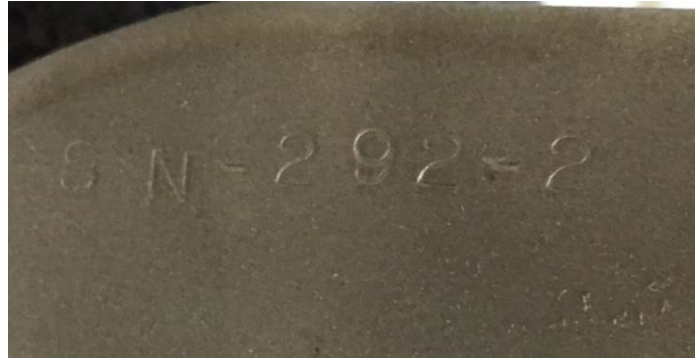
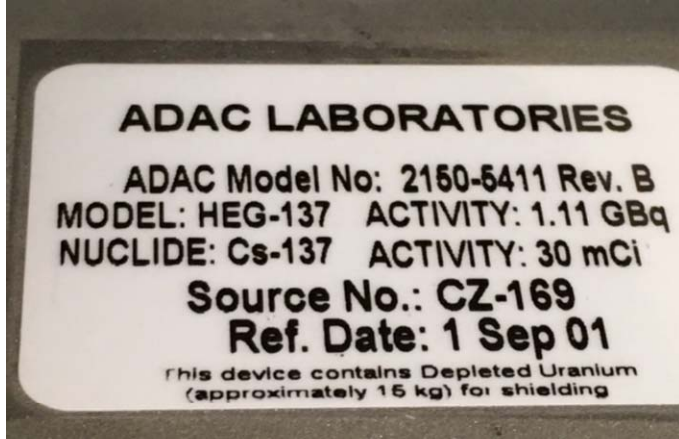
Attachment 3
3-Sealed sources-Cs137DU



S/N embossed on housing



Attachment 3
3-Sealed sources-Cs137DU



Attachment 3
3-Sealed sources-Cs137DU

Source Certificate that came with sources:



Medical Imaging Laboratory
24937 Avenue Tibbitts Valencia, California 91355
Tel 661-309-1010 Fax 661-257-8303
Industrial Gauging Laboratory
1800 North Keystone Street Burbank, California 91504
Tel 661-309-1010 Fax 661-257-8303

NOMINAL SOURCE DATA SHEET

NUCLIDE: Cs-137

ACTIVITY: 30 mCi (1.11 GBq) x 2

CATALOG NO.: HEG-0091

COVER: 0.020 Stainless Steel

ACTIVE DIAM.: 0.125" (3.18 mm)

NATURE OF ACTIVE DEPOSIT: Cesium Chloride in ceramic matrix.

QUANTITY: 1 set of 2 sources

REFERENCE DATE: 1 Sep 01

CAPSULE: IPL A3015 in A5001

BACKING: Stainless Steel

ACTIVE LENGTH: 0.090" (2.29 mm)

ADAC PART NUMBER:	SHAPER ID:	SOURCE ID:
2150-5411	292-1 000 7473	CZ-169
2150-5410	292-2 000 7474	CZ-196

LEAK TEST INFORMATION IS ON THE REVERSE SIDE.

Attachment 4
4-Y90 Microsphere Aggregates

Y-90 Microsphere Aggregate Wastes

Activity date: 7/5/2018

VA Container ID	Radionuclide	Physical Form	Date Placed in Storage	Est. Y-90 Activity on Date Stored) (mCi)	Est. Y-90 Activity on 07/05/18 (mCi)		Note
W002091	Y-90	Microspheres	6/22/2015	68.3	0.000		Unused Dose; microspheres in liquid
#622 Unused	Y-90	Microspheres	12/14/2015	50.6	0.000		Unused Dose; microspheres in liquid
#623 Unused	Y-90	Microspheres	12/14/2015	67.5	0.000		Unused Dose; microspheres in liquid
#4299 Unused	Y-90	Microspheres	3/7/2017	38.47	0.000		Unused Dose; microspheres in liquid
#4300 Unused (Vial 113)	Y-90	Microspheres	3/7/2017	39.25	0.000		Unused Dose; microspheres in liquid
VA #4361 Unused	Y-90	Microspheres	3/14/2017	53.73	0.000		Unused Dose; microspheres in liquid
VA #4362 Unused	Y-90	Microspheres	3/14/2017	27.27	0.000		Unused Dose; microspheres in liquid
VA #4416	Y-90	Microspheres	3/21/2017	1.59	0.000		Wastes w/ residual dose

These are items that should have decayed to background by now but are slightly over indicating some longer lived contaminants.

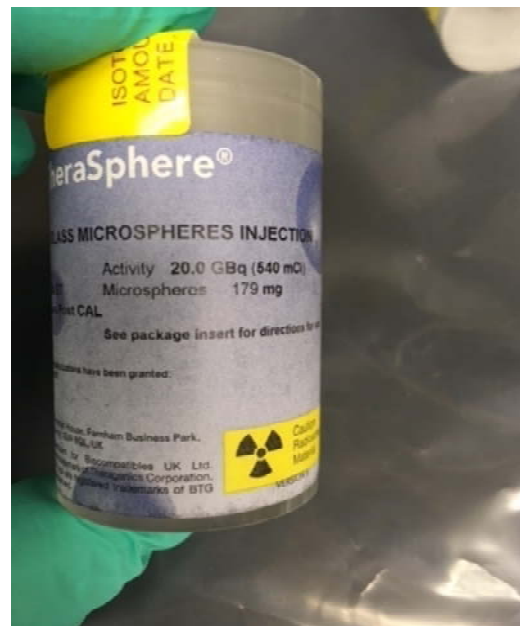
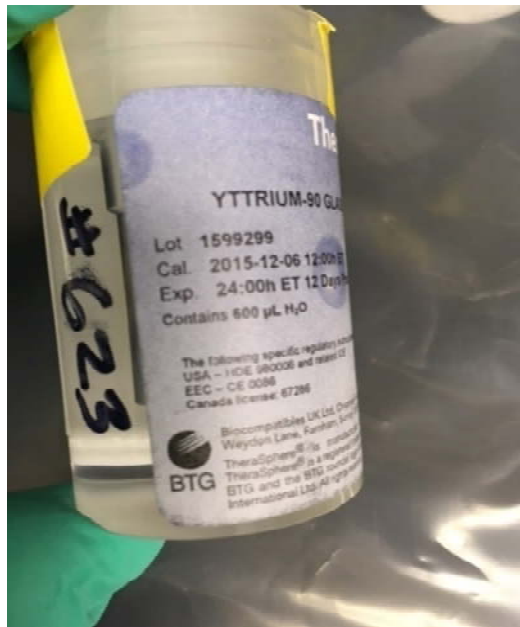
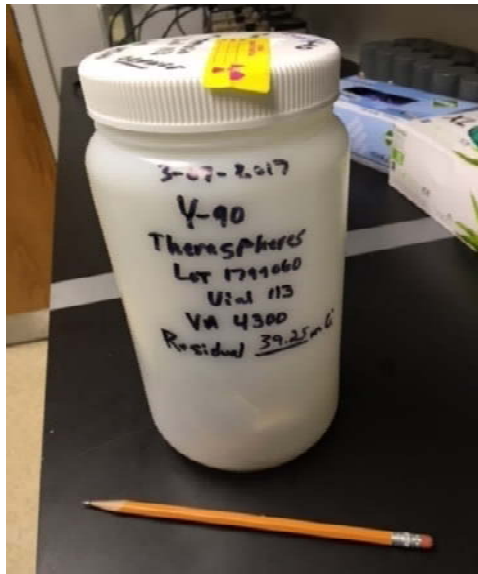
Each item contained within a 2-liter Nalgene jar with other solid wastes (except #622 and #623 which are simply the vials).

Lead vial shields (that came with doses) are available if needed.

Will need packing container (should be limited quantity if even "radioactive" from shipping standpoint.

Examples follow:

Attachment 4
4-Y90 Microsphere Aggregates



Attachment 5
5-Ra sealed source

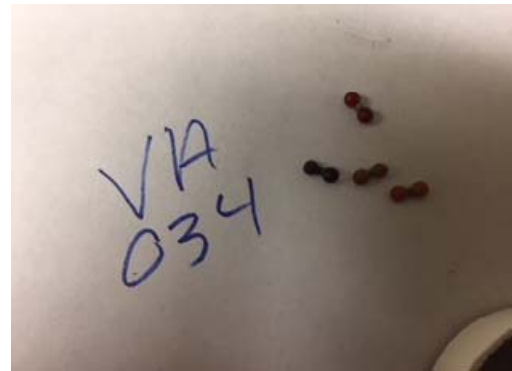
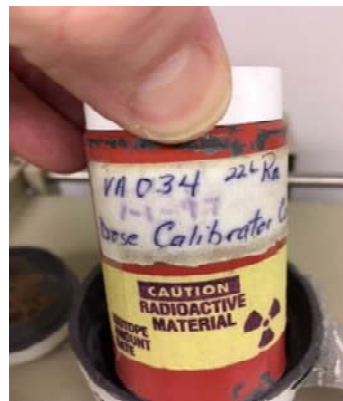
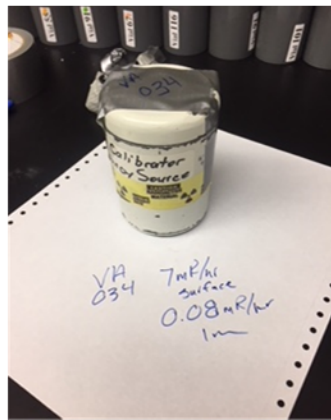
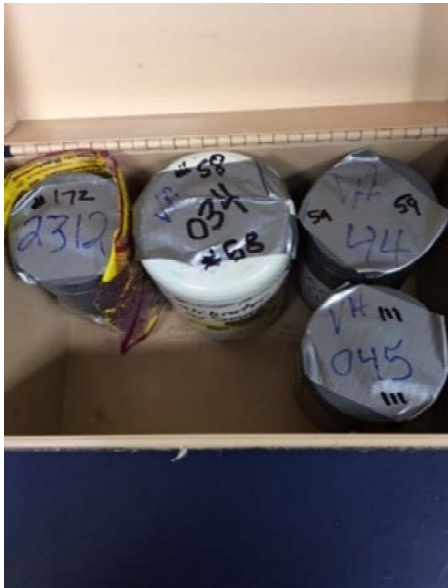
VA Source #	Nuclide	Manufacturer	Model No.	Serial No.	Source Type	Physical Description	Reference Activity (mCi)	Reference Date	Current Activity (7/12/2018) (mCi)	Current Activity MBq
57	Ra-226	Nuclear Chicago	184662	113	Sealed-solid	Rod source	0.0159	1/1/1997	0.01575	0.582841
58	Ra-226	NA	NA	VA034	Sealed-solid	Pellets in vial (dose calibrator check source)	0.043	1/1/1997	0.04260	1.576236
59	Ra-226	NA	NA	VA044	Sealed-solid	Pellets	0.02	1/1/1997	0.01981	0.733133
111	Ra-226	NA	NA	VA045	Sealed-solid	1" Disc source	0.001	1/1/1997	0.00099	0.036657
172	Ra-226	Packard Instrument Co.	3385	23121	Sealed-solid	Removed from LSC counter; pellets in vial	0.02	2/28/1975	0.01963	0.726230

S/N 113

TOTAL 0.09879 3.655096



Attachment 5
5-Ra sealed source



Attachment 6
6-Cs137 Calibrator

VA Source #	Nuclide	Manufacturer	Model No.	Serial No.	Source Type	Physical Description	Reference Activity (mCi)	Reference Date	Current Activity (7/12/2018) (mCi)	Current Activity MBq
48	Cs-137	Amersham source (in JL Shepherd & Assoc Calibrator)	Type X.19 Capsule (in Model 28-6A Calibrator)	0867GN (Source SN) 10101 (Device SN)	Sealed-solid	Source within JLS calibrator device; dispose of entire unit	1200	10/20/1983	538	19906



NRC Sealed Source Device Registry Sheet &
Source Calibration Sheet & Manual Available.

Meter calibration device.

Attachment 7

7-LSCs

Liquid Scintillation Counters containing Ba-133 Sources - Dispose of Entire Units (or remove radioactive sources if allowed by vendor license)

VA Reference No.	Nuclide	Manufacturer	Model No. (Catalog No.)	Serial No. (Source No.)	Location (Room)	Reference Activity (mCi)	Reference Date	Current Activity (mCi)	Current Activity (MBq)
165	Ba-133	Packard Instrument Co.	IND1401	E-961 (LSC Internal)	1D-160	0.0188	8/21/2001	6.16E-03	2.28E-01
224	Ba-133	Perkin Elmer	IND1401	5072616 (LSC Internal)	GB-136	0.0188	6/1/2007	9.02E-03	3.34E-01

Attachment 8
8-Liquid H3 & C14

VA Reference No.	Nuclide	Manufacturer	Model No. (Catalog No.)	Serial No. (Source No.)	Location (Room)	Reference Activity (mCi)	Reference Date	Current Activity (mCi)
86	C-14	New England Nuclear	LSC Unquenched	S209011-009	1D-160A	0.000045	10/1/1995	4.49E-05
87	H-3	New England Nuclear	LSC Unquenched	S209011-009	1D-160A	0.000108	10/1/1995	3.00E-05
88	C-14	New England Nuclear	LSC Std.		1D-160A	1.85E-05	5/1/1983	1.84E-05
138	H-3	Packard Instrument Co.	6008501	34-A thru 34-J	1D-160A	0.0002	4/26/1984	2.92E-05
139	H-3	Packard Instrument Co.	6008501	2-B thru 2-J	1D-160A	0.0002	4/26/1984	2.92E-05
176	C-14	Packard Instrument Co.	6008502	40-A thru 40-J	1D-160A	0.0001	6/5/1984	9.96E-05
181	H-3	Packard Instrument Co.		70-80	1D-160A	0.0001	6/16/1988	1.84E-05
182	C-14	Packard Instrument Co.		70-80	1D-160A	0.00001	8/4/1988	9.96E-06
183	H-3	Packard Instrument Co.		24-24	1D-160A	0.0001	4/22/1988	1.83E-05
184	C-14	Packard Instrument Co.		24-24	1D-160A	0.00001	4/19/1988	9.96E-06
185	H-3	NEN		2040380A-12	1D-160A	0.0001	3/26/1980	1.16E-05
186	C-14	NEN		2040380A-12	1D-160A	0.00001	3/26/1980	9.95E-06
187	H-3	AM		825	1D-160A	0.009	6/2/1978	9.42E-04
188	H-3	AM	Quenched Stds.	1 thru 7	1D-160A	0.0001	4/1/1972	7.40E-06
189	H-3	NEN		204	1D-160A	0.0001	9/17/1977	1.01E-05
190	C-14	NEN		204	1D-160A	0.00001	9/30/1977	9.95E-06
191	H-3	Packard Instrument Co.	6008500	4-4	1D-160A	0.000267	11/4/1983	3.79E-05
192	C-14	Packard Instrument Co.	6008500	4-4	1D-160A	0.00001347	10/21/1983	1.34E-05
193	H-3	NEN		99 A thru F	1D-160A	0.00037	4/4/1984	5.38E-05
194	C-14	NEN		99 D thru F	1D-160A	0.00002	12/31/1982	1.99E-05
195	H-3	Packard Instrument Co.		L1061	1D-160A	0.000001	10/17/1968	6.09E-08
196	C-14	Packard Instrument Co.		L10473	1D-160A	0.000001	10/17/1968	9.94E-07
246	C-14	BEC	LSC Standard	s508081 #1-10	1D-160A	0.001	7/23/1990	9.97E-04
247	C-14	BEC	LSC Standard	cbe2912	1D-160A	0.001	9/20/1985	9.96E-04
248	C-14	Packard Instrument Co.	LSC Standard	6008502 23A-J	1D-160A	0.001	9/23/1992	9.97E-04
249	C-14	Packard Instrument Co.	LSC Standard	239LL	1D-160A	0.001	2/1/1988	9.96E-04
250	C-14	Packard Instrument Co.	LSC Standard		1D-160A	0.001	6/4/1998	9.98E-04
251	C-14	Packard Instrument Co.	LSC Standard	n-1179	1D-160A	0.001	6/5/1970	9.94E-04
252	H-3	BEC	LSC Standard	hbe0112	1D-160A	0.001	9/20/1985	1.58E-04
253	H-3	Packard Instrument Co.	LSC Standard	6008501 03A-J	1D-160A	0.001	2/3/1993	2.39E-04
254	H-3	Packard Instrument Co.	LSC Std.	234LL	1D-160A	0.002	1/29/1988	3.60E-04

All are contained within a plastic sharps container 17.5 x 16 x 11 inches; 0.02 mR/hr at surface and 1 m; some may contain Toluene.

PLUS:

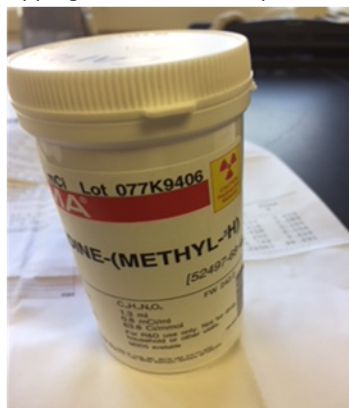
Research Material

H-3 Thymidine-Methyl

Sigma T-5093 Lot 077K9406, 1mCi on 2/20/2008

1.3 ml, 0.8 mCi/ml, 63.8 Ci/mmol

Shipping Container NOT Opened



Attachment 8
8-Liquid H3 & C14

PLUS:

Dupont-New England Nuclear
NEC661 Lot 3281096
C-14 Arachidonic Acid 10 uCi 12/17/1998
51.00 mCi/mmol 0.1 ml of Ethanol

JOHN L. MCCLELLAN MEMORIAL VETERANS' HOSPITAL
RADIOISOTOPE INVENTORY AND DISPOSAL LOG

ORDER NO.: 588	ROOM NO.: CANINE - G. / GH116
USER: Tbeus, Sue	PKG. I.D.: 0004841
NUCLIDE: C-14	CHEMICAL FORM: Arachidonic Acid
	DELIVERY DATE: 12/18/1998
VENDOR: DuPont-New England	ACTIVITY DELIVERED: 0.010 mCi
P.O. NO:	LOT NUMBER: 3281096
CATALOG NUMBER:	ASSAY DATE: 12/18/1998

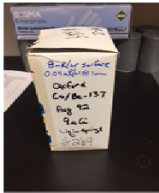
PACKAGE SURVEY AND WIPE TEST RESULTS

1	1	This package is exempt from survey requirements (NW-1307 (c)) (1)		
		has NO evidence of shipping damage.		
2	1	Radiation survey required. Results are	0	mR/hr @ 3
			1	mR/hr @ 3
			1	mR/hr (emp)
3	1	Contamination survey required. Interior wipe:		net DPM
		Exterior wipe:		



Isotope	Man	Model	SN	Assay Activity (mCi)	Assay Date	Physical Description	Surface mR/hr	1 m mR/hr	Activity (mCi) on 08/17/2018	MBq on 8/17/2018
Cs-137	CS/BA-137 SYRINGE	N/A	N/A	0.009	8/1/1992	CS/BA-137 SYRINGE	8	0.04	0.0049	0.1813

Cs-137/Ba-133 liquid in Syringe 8 mR/hr Surface, 0.04 mR/hr @ 1m



3 cardboard containers 17x15x15 inches each containing H-3 or C-14 DS waste (pipettes, empty research isotope vials, LS cocktail vials (empty)

Isotope	Receipt Date	Waste ID	Waste Type	Quantity	Quantity Units	Container	Disposal mCi	Activity (mCi) on 08/17/2018	8/17/2018	Half life (days)
H-3	23-Jul-10	W001837	Dry Solid	1.8	cubic feet	#185	1	593.59		4383 (12 y)
C-14	04-May-11	W001874	Dry Solid	1.8	cubic feet	#186	0.56	0.57		2.09E+06 (5730 y)
H-3	19-Jul-11	W001889	Dry Solid	1.8	cubic feet	#187	0.05	31.42		4383 (12 y)
H-3	18-Oct-13	W001994	Dry Solid	(added to #187)		#188	1.5	1073.56		4383 (12 y)

#187 and #188 combined into #187 on 12/1/17 by KWiebeck.

Unused H-3 and C-14 Research Material -- Need to Disposed -- See Photo for Info

CI-36 Surface-contaminated Lead (0.6 mR/hr on underside)

CI-36	16-Dec-03	W001207	DS	80 LB	#168	0.1 mCi
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Per Historic Records
CI-36 Contaminated Lead (approx. 0.1 mCi)
80 Lbs
22x8x1.5 inch thick (6 inch height when accounting for hinge)
0.6 mR/hr on underside of lead (12/1/17 measurement)

Dry Solid Form in Glass Bottles

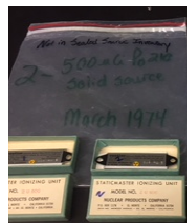
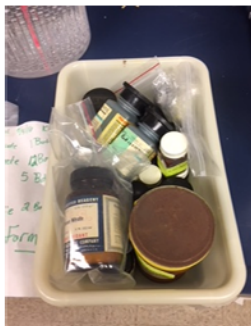
Thorium Nitrate - 1 Bottle

Uranyl Acetate - 14 Bottles/Cans

Uranyl Nitrate - 5 Bottles

Uranyl nitrat as Fluka-Garantie - 2 Bottles

Volume app 12x12x12 inches



2 static brushes

Isotope	Man	Model #	SN	Dimensions	Assay Activity (mCi)	Assay Date	Physical Description	Activity (mCi) on 8/17/2018	Half life (days)
Po-210	Nuc Prod	2U500	(500 uCi)	Staticmaster Ionizing Unit	0.5	3/1/1974	Ionizing Unit	0.0000	1.38E+02