Subject Source Retention List

Per your request, please be advised that the following sources shall be retained to perform Health Physics Instrumentation calibration and repair. It is to the benefit of BCLDP that any sources described in the BCLDP Master Source Directory associated with this task that are not identified on this list should either be discarded as radiological waste or transferred to a DOE facility as expeditiously as possible.

BCLDP Instrumentation Sources	**Source Isotope**
0141	Cs^{137}
0982	Pu^{238}
0984	Pu^{239}
0986	Tc^{99}
0988	SrY^{90}
1661-93	Tc^{99}
2347-97	Pu^{239}
2348-97	Tc^{99}
U-936	SrY^{90}
PuBe for PNR-4	
BCLDP Characterization Sources	**Source Isotope**
WJS-013	Eu^{152} / Am^{241}
KAS-039	Eu^{152} / Am^{241}
WJS-288	Eu^{152} / Am^{241}
WJS-218	Eu^{152} / Am^{241}
WJS-089	Eu^{152} / Am^{241}
WJS-238	Eu^{152} / Am^{241}
WJS-117	Eu^{152} / Am^{241}

If you have questions or comments, please contact me at 4-7961 at your convenience.

RMA 1611
Disposal Safe/Fire Safe #2

Radionuclide	Total Activity µCi	Physical Form (gas, liquid, solid)	Assay Date	Source #	WJS #	Certificate (Y/N)
Am-241/Eu-152	0.672	Solid, 500 mar	7/20/92	44037-84	012	Y
Am-241/Eu-152	0.487	Solid, single filt	8/3/92	44093-84	014	Y
Am-241/Eu-152	0.406	Solid, round box	8/19/92	44094-84	015	Y
Am-241/Eu-152	0.363	Solid, dp plcht	8/19/92	44095-84	016	Y
Am-241/Eu-152	0.436	Solid, qtrly filt	8/19/92	44097-84	017	Y
Am-241/Mixed γ	5.4	Liquid	11/1/94	QCY48		Y
Ba-133	0.260	Liquid	9/2/94	94001-1		Y
C-14	0.991	Liquid	4/15/90	354-59-1	313	Y
C-14	5.40	Liquid	3/1/86	CFY 44#85	405	Y
Co-60	5.62	Liquid	3/1/81	8521-14A	009	Y
Cs-137	0.145	Liquid, EPA	1/23/95	94019-1		Y
Eu-152	14.8	Liquid	4/23/93	46021/84	424	Y
Mixed γ	0.456	Solid, 500 mar	1/1/93	45645-84	419	Y
Mixed γ	0.090	Solid (2 disks)	?	N/A	436/005	Y
Mixed γ	0.987	Solid, Analytics	10/1/98	56645-84	0217	Y
Mixed γ	3.126	Solid, Is. Prod.	10/1/97	473-95-1	0205	Y
Pb-210	5.4	Liquid	2/2/96	S6/19/25	428	Y
Phosphate	0.0001	Solid	6/21/84			Y
Pu-239	0.002	Solid	3/15/93	W-643	429	Y
Pu-239	0.002	Solid	3/15/93	W-644	430	Y
Pu-239	0.002	Solid	3/15/93	W-645	431	Y
Sr-89	0.117	Liquid, Analytics	1/17/01	60839-84		Y
U Mill tailing	4.30	Solid	?	N/A		N
U, Co, Cs	0.0060	Solid	?	#17/#3		N
U-235	0.023	Solid	2/2/96	N/A	011	N
U-chain	0.045	Solid	?	N/A	004	N
Zn-65	0.323	Liquid	2/22/95	94028-1		Y

Printed: 11/11/02

Custodian Lname	RMA#	Source #	Isotope	Serial#	Building	Room#
MCCALL	1590	WJS-105	Ra-226	26812(NS33	KA5	5207

Form	Manufacture	Certified	Last Leak Test	Original Activity
ROD	NBS	Yes	15-Mar-95	3.30E+03

Activity	Assayer	Assay Date	Last Inv Date	Next Inventory Date
3.22E+03	NBS	09/21/48	19-Jul-01	19-Jul-02

Comments

Requires Gasseous emanation leak test method, as described in ESH-RS-2.1 exhibit 1

I have identified the sources listed below as part of W. Bradford's source inventory originally used in the old JN2-Calibration Lab. Though they are currently located at KA in the 5207 storage chest, they should rightfully go back to BCLDP for use or disposal.

WJS-045	Pu-239	5.6e-6 uCi	Disk
WJS-071	Pu-239	4.0e-2 uCi	Disk
WJS-104	Co-60	1.0e+4 uCi	Rod

Material Needs disposed of

Key #8 MM

Battelle
. . . Putting Technology To Work

Cabinet: Hot Tool Crib

SUMMARY AND/OR SPECIAL REPORT FORM

Building No. JN1 W.I. No. N/A Date 2-21-00

Entered by Mark Doan / Mark Doan Date 2-21-00
Print Name Signature

Reviewed by _____ / _____ Date _____
Print Name Signature

Sample #1 1 quart can Uranium Oxide pellets
2 2 bags of pettri dishes with resin
3 Thorium bar (Crystal)
4 2 mylar disc. (Cs137)
5 2 Criticality Monitor Sources
6 Cs 137 Source # 11733-84
7 Charpy Cell Sample
8 Radium Source
9. 3 Pu standards
10. 1 mouse with droppings
11 Uranium Foil
12 1 80mm bullet. (Depleted Uranium)
13 1 1gal can Uranium Oxide
14 1 am241 Smoke detector Source
15 1 Mairivelli of Sonstal Fluid
16 1 can Flux wire
17 1 Berry can with Compressor oil

DDO-103, Rev. 2 8/98 (1CS)

Battelle
. . . Putting Technology To Work

MBC material ; Hot tool Crib

SUMMARY AND/OR SPECIAL REPORT FORM Page

Building No.		W.I. No. 1017	Date 7/17/01
Entered by	Mark /		Date
	Print Name	Signature	
Reviewed by	/		Date
	Print Name	Signature	

*HOT TOOL CRIB:

- H.C.S. Table
- Characterization TOOL BOX CART
- 3 Sonatol Baskets
- ~~3~~ 6 pool hepa hoods
- stainless pig from '/s Charpy cell
- SDSBC-2884 - H.C.S. tool storage
- Drum no B/c w/ HEC cell plugs
- ~~SDSBC-2841 - S.A.A.~~
- ~~SDSBC-2740 LLC plugs~~
- Sonatol Bld. piece (4)
- Old Demin water filter tank
- 10" dia. x 8" tall lead plug HEC save
- Gang Box
- ~~4~~ hepa units (6)
- H_2O xfer tank
- ~~5~~ 6 lead racks

Battelle
. . . Putting Technology To Work

MISC.: Hot tool CRIB

SUMMARY AND/OR SPECIAL REPORT FORM

Page

Building No.	/	W.I. No. 1017	Date 7/17/01
Entered by	Matt /		Date
	Print Name	Signature	
Reviewed by	/		Date
	Print Name	Signature	

*HOT TOOL CRIB (CONT)

- Hydraulic table
- Blow up tent frame
- electric hoist
- timbers
- hepa dop housing
- door w/ glass window in it
- contaminated Bentonite, tygon hose
- ** unknown hepa + pipe from pump room

* moved 3 casks from the WSS to the Highbay

* Attended WI #1034 briefing HLSC clean up.