



Radioactive Waste Certification and Pickup Request Form

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I certify that, to the best of my knowledge, the information entered below is accurate and the contents of the waste package has been checked for radioactivity and is not mixed waste (radioactive and hazardous).

Fermilab ID # 15641 Name DAN VERBOS Signature [Signature]
 Location AP-0 Div/Sec AD/MS Ext. 2994 Pager _____ Date 8/24/15

Generator # 150824DV01 Package Type PALLET Empty Package Delivery
Qty. _____ Type _____
 Gross Weight 250 lbs. Waste Volume 3 cu.ft. Contact Dose Rate 0.02 mR/hr

* Radionuclides	<u>Co60</u>	<u>Na22</u>	<u>Mn54</u>	<u>Zn65</u>		
* Activities	<u>2.97-6</u>	<u>2.94-6</u>	<u>1.97-4</u>	<u>9.91-7</u>		

Sample Method Gamma Ray Spectroscopy Scintillation Counter (H-3) Dose Rate to Activity Conversion Div / Sec Coordinator Review
Sign [Signature]
Date 8/24/15
 Sample Numbers _____

*(Attach copies of all analytical results pertaining to the waste.)
 Routine? YES NO
 EP Pickup # 150310 Pickup Date 8-26-15 By [Signature] Stor. Loc. Site 90

Date	Description of Waste	Approximate Weight	Generator Signature <small>(Signature certifies that description is accurate, waste is not hazardous, and has been checked for radioactivity)</small>	Disposition of Items
<u>8/24/15</u>	<u>PALLET OF MAGNET STANDS</u>	<u>200</u> lbs.	<u>[Signature]</u>	
	<u>99% Steel 1% BRASS</u>	lbs.		
		lbs.		

Each waste item must be logged onto this form as it is loaded into the package. A "Continuation Sheet" is required when there are more than 8 waste items to be loaded into the package.

Date entered: 8-26-15 By: [Signature]

Activity Calculation Worksheet

Characterization

CONTAINER NUMBER	DV01	NET WEIGHT (Kg)	90	CONTACT DOSE RATE (mR/hr)	0.02	CALCULATED ACTIVITY (milliCi):	0.01
E.P. NUMBER		AVERAGE BIN DENSITY:	0.6836	SPECIFIC ACTIVITY (mCi/g)	1.53E-07	2 SIGMA ACTIVITY	0.50

MATERIAL	% MATL.	DENSITY	ISOTOPE	% ISOTOPE	Activity Ci.	SUMMATION
Copper	1	8.96	Mn-54	20	9.91E-07	OK
			Co-60	60	2.97E-06	Co-60 2.97E-06
			Zn-65	20	9.91E-07	Na-22 2.94E-04
						Mn-54 1.97E-04
						Zn-65 9.91E-07
Iron	0	7.87	Mn-54	40	0.00E+00	Total Activity 4.95E-04
			Co-60	60	0.00E+00	
Aluminum	0	2.7	Na-22	100	0.00E+00	
Misc. Non Meta	99	0.6	Mn-54	40	1.96E-04	
			Na-22	60	2.94E-04	
Void Filler	0	0.16	None			
Total	100					

Contact Dose Rate in mrem/hr

1	0
2	0
3	0
4	0
5	0
6	0
Average	0.00

Characterization Dose Rate

SIGNATURE _____

(Handwritten Signature)

DATE

8/24/15

RW Form #19

Activity Calculation Worksheet

Revision Date 04/15/2015

WARNING. This paper copy may be obsolete soon after it is printed.

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