HARREL
The Hi-Tech Extrusion Systems People

MS-16 P-3

06-16699-01
03011491

FAX COVER SHEET

DATE Sept 24,10

PLEASE DELIVER TO: Kathy Modes

COMPANY: NRC

FAX NUMBER: 610-337-5269

PAGES (including this page): 6

FROM: David Madar

HARREL, INCORPORATED

16 FITCH STREET

E. NORWALK, CT 06855 U.S.A.

World Wide Web: http://www.harrel.com

If transmission is incomplete, please call:

Telephone: (203) 866-2573

Facsimile: (203) 866-1483

MADAR Email: [redacted]@harrel.com

COMMENTS: Wipe test results

CONSULT HARREL FOR THE FINEST IN EXTRUSION SYSTEMS AND COMPONENTS:
• EXTRUDERS • GEAR PUMPS • GEARTRUDERS® • DIGIPANEL® CONTROLLERS • DIGISYNCH® DIGITAL DRIVES
• PULLERS • CUTTERS • NUCLEAR THICKNESS GAUGES • LASER GAUGES • TURNKEY EXTRUSION SYSTEMS

573490

Los Alamos
NATIONAL LABORATORY

ATRO # 2010:49
Off-Site Source Recovery Project
Authorization to Transfer/Relinquishment of Ownership/Custody

SOURCE OWNER:	Harrel, Inc.	TELEPHONE:	203-866-2573
LICENSE:	06-16699-01	FAX:	203-866-1483
CONTACT NAME:	David Madar		
ADDRESS:	16 Fitch St East Norwalk, CT 06855		

Pursuant to its authority under the Atomic Energy Act, the U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) has directed Los Alamos National Security, LLC (LANS), to recover and store excess, unwanted, abandoned, orphan radioactive sealed sources and other radioactive material sources on behalf of DOE/NNSA.

LANS has determined that the sealed source(s) identified below meet the requirements of the Los Alamos National Laboratory Off-Site Source Recovery Project and, on behalf of DOE/NNSA, authorizes Harrel, Inc. to transfer the sealed source(s) to the following designated LANS support subcontractor:

NSSI / Sources & Services, Inc.
Texas Department of State Health Services
Radioactive Material License No. L02991

Harrel, Inc. affirms it is the owner/custodian of the sealed source(s) identified below, and hereby irrevocably relinquishes all rights, title and ownership/custody in the sealed source(s) to DOE/NNSA in furtherance of the OSRP. LANS accepts the sealed sources on behalf of DOE/NNSA, pursuant to DOE/NNSA contract no. DE-AC52-06NA25396, upon the execution of the Acknowledgment of Receipt of the source(s) by the designated LANS support subcontractor below.

SOURCE INFORMATION

Isotope:	Mfr/Model:	Serial No:	Activity (Ci):
241Am	UNK/Unknown	Harrel-3-10-01	0.025
241Am	UNK/Unknown	Harrel-3-10-02	0.025
241Am	UNK/Unknown	Harrel-3-10-03	0.100
241Am	UNK/Unknown	Harrel-3-10-04	0.100
241Am	UNK/Unknown	Harrel-3-10-05	0.100
241Am	UNK/Unknown	Harrel-3-10-06	0.100
241Am	UNK/Unknown	Harrel-3-10-07	0.100
241Am	UNK/Unknown	~~23247~~ UNK-013	0.100
241Am	Eberline/Check Source	6187	0.000058
241Am	Amersham/AMC.D3 (X10)	0415LV	0.025
241Am	Amersham /AMC.D3 (X10)	2848LV	0.100
241Am	Amersham /AMC.D3 (X10)	2849LV	0.100
241Am	Amersham /AMC.D3 (X10)	5088LV	0.025
241Am	Amersham /AMC.D3 (X10)	5098LV	0.025
241Am	Amersham /AMC.36 (X103)	0989LA	0.100
241Am	Amersham /AMC.36 (X103)	0993LA	0.100
241Am	Amersham /AMC.36 (X103)	1427LA	0.100
241Am	Amersham /AMC.36 (X103)	1798LA	0.100

SOURCE OWNER:
OFFICIAL NAME/TITLE: DAVID MADAR (NAME (Please Print or Type)) PRESIDENT (TITLE (Please Print or Type))
SIGNATURE David Madar DATE 3/26/10

LANS AUTHORIZATION:
OFFICIAL NAME/TITLE: Rick Rasmussen, Team Leader, Off-Site Source Recovery Project
SIGNATURE [signature] DATE 30 March 2010

ACKNOWLEDGEMENT OF RECEIPT BY DESIGNATED LANS SUPPORT SUBCONTRACTOR:
NSSI / Sources & Services, Inc.
OFFICIAL NAME/TITLE: CARLOS RINCON (NAME (Please Print or Type)) [illegible] (TITLE (Please Print or Type))
SIGNATURE [signature] DATE 8-3-10

RP-1 RADIOLOGICAL SURVEY FORM

SAMPLE DESCRIPTION

Sample Date/Time: 03/24/10 No. of Samples: 22

TA: 0 Bldg: Rm: n/a

RCT: Billy Terrazas Z Number: 116030

RCT Signature: [signature] MB: J552

Phone: 5-9288 Fax: 5-4189

INSTRUMENTATION

TYPE	HSE No.	CAL Due	% EFF	CF or Detector Size	BKG	MDA (dpm)
ALPHA SHP 43-10-1	11180	3/3/2011	0.3780	1	4.6	15.1[illegible]
S43-10-1, Beta	11180	3/3/2011	0.3520	1	78	52.8[illegible]
SHP270	13186	4/7/2010	n/a	1	<0.1mR/hr	-0.1mR/h
SNRD	13110	10/7/2010	n/a	1	<0.1mR/hr	-0.2mR/h

☑ SMEARS COUNTED AT HPAL, SEE HPAL RESULTS FOR MDAs ☑ EARS COUNTED IN FIELD

PURPOSE OF SURVEY

☐ Routine ☐ Pre-Job ☐ Post-Job ☐ Hot-Job

☐ Item Release ☐ Offsite Shipment ☐ Onsite Shipment

☑ Non-Routine / Other: Harrel Inc., Norwalk ,CL

FIELD SMEAR COUNTER MDA (dpm)

alpha: 15.18

beta: 52.80

SAMPLE TRACKING NUMBER

29049113

RP-1 REVIEW BY

[signature] 209890

ADDITIONAL INFORMATION

RWP No.:

Work Request No.: Incident No.:

Survey Point	Item / Area	Field Smear Results Alpha dpm*	Field Smear Results Beta/Gamma dpm*	HPAL Smear Results Alpha dpm*	HPAL Smear Results Beta/Gamma dpm*	Hidden Smear Results dpm*	External Radiation Survey at Contact gamma (mR/hr)	at Contact neutron (mrem/hr)	at 30 cm gamma (mR/hr)	at 30 cm neutron (mrem/hr)	at 1 Meter gamma (mR/hr)	at 1 Meter neutron (mrem/hr)
1	pre job shield	nda	<mda	nda	nda	n/a	-	-	-	-	-	-
2	pre job wk tbl under shield	3	bkgd	20	nda	n/a	-	-	-	-	-	-
3	pre job wk tbl under shield	nda	<mda	nda	nda	n/a	-	-	-	-	-	-
4	pre job floor	nda	<mda	nda	nda	n/a	-	-	-	-	-	-
5	pre job floor	<mda	nda	nda	nda	n/a	-	-	-	-	-	-
6	pre job Drum lid 6M #2794	nda	nda	nda	nda	n/a	-	-	-	-	-	-
7	pre job drum sides 6M #2794	nda	<mda	nda	nda	n/a			-	-		
8	leak test 241Am	<mda	<mda	14	nda	n/a	-	-	-	-	-	-
9	leak test 241Am	<mda	<mda	nda	nda	n/a			-	-		
10	leak test 241Am	nda	<mda	nda	nda	n/a	-	-	-	-	-	-
11	leak test 241Am	nda	nda	nda	nda	n/a	-	-	-	-	-	-
12	2R inner container	<mda	nda	nda	nda	n/a			-	-	-	-
13	post job tools	nda	<mda	nda	nda	n/a			-	-		
14	post job source shield	nda	<mda	nda	nda	n/a	-	-	-	-	-	-
15	post job wk tbl under shield	nda	<mda	nda	nda	n/a	-	-	-	-	-	-

RP-1 RADIOLOGICAL SURVEY FORM

RP-1 Survey Number: [illegible]

Survey Point	Item / Area	Field Sensor Results		HPAL Sensor Results		Tritium	External Radiation Survey					
		Alpha	Beta/Gamma	Alpha	Beta/Gamma	Sensor Results	at Contact		at 30 cm		at 1 Meter	
		dpm*	dpm*	dpm*	dpm*	dpm*	gamma (mRhr)	neutron (mrem/hr)	gamma (mRhr)	neutron (mrem/hr)	gamma (mRhr)	neutron (mrem/hr)
16	6M #2794 top	nda	nda	nda	nda	n/a			-	-		
17	6M #2794 side/seam	nda	nda	nda	nda	n/a	0.0	0.0	0.0	0.0	0.0	0.0
18	6M #2794 btm	nda	nda	nda	nda	n/a	-	-	-	-	-	-
19	eberline inst	nda	nda	nda	nda	n/a	-	-	-	-	-	-
20	eberline inst	nda	nda	nda	nda	n/a	-	-	-	-	-	-
21	137Cs leak test	<mda	824	nda	nda	n/a	-	-	-	-	-	-
22	shelf /cabinet source storage	nda	<mda	nda	nda	n/a	-	-	-	-	-	-
23	END OF SURVEY											
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												

*dpm/100 cm²

COPY

HPAL ANALYSIS REPORT FORM

FILE: 29049113

Comments: HARREL INC NORWALK ,CT
SAMPLE DESCRIPTION ANALYSIS REQUESTED RCT
Berthold 780 at TA-3
Login Date: 3/29/2010 11:17:24 AM Mucon Name: Billy Terrazas 0
Analysis Date: 3/29/2010
TA: 0 TA: 52
BLDG: 0 Analyst: Victoria Homan MS: R988

Sample ID #	Alpha Activity dpm	2*sigma dpm	Alpha MDA dpm	Beta Activity dpm	2*sigma dpm	Beta MDA dpm
1	MDA	MDA	5.6	MDA	MDA	11.3
2	19.8	9.2	5.1	MDA	MDA	10.5
3	MDA	MDA	5.6	MDA	MDA	10.5
4	MDA	MDA	5.9	MDA	MDA	10.8
5	MDA	MDA	5.5	MDA	MDA	11.7
6	MDA	MDA	5.4	MDA	MDA	12.3
7	MDA	MDA	5.3	MDA	MDA	10.6
8	13.6	4.4	5.4	MDA	MDA	11.7
9	MDA	MDA	5.5	MDA	MDA	12.0
10	MDA	MDA	5.9	MDA	MDA	12.2
11	MDA	MDA	5.6	MDA	MDA	11.3
12	MDA	MDA	5.1	MDA	MDA	10.3
13	MDA	MDA	5.4	MDA	MDA	10.5
14	MDA	MDA	5.9	MDA	MDA	10.8
15	MDA	MDA	5.5	MDA	MDA	11.7
16	MDA	MDA	5.4	MDA	MDA	12.3
17	MDA	MDA	5.3	MDA	MDA	10.6
18	MDA	MDA	5.6	MDA	MDA	11.6
19	MDA	MDA	5.5	MDA	MDA	12.0
20	MDA	MDA	5.9	MDA	MDA	12.2
21	MDA	MDA	5.6	MDA	MDA	11.2
22	MDA	MDA	5.1	MDA	MDA	10.3

COPY

HPAL SUBMITTAL FORM

SAMPLE DESCRIPTION

Sample Date/Time: 3/29/10 No. Of Samples: 22

TA: Bldg: Room: n/a

RCT: Billy Terrazas Z Number: 115030

RCT Signature: Billy Terrazas Ins: J552

Phone/Fax: 5-9238/5-7913

SAMPLE TRACKING NUMBER

29049113

TYPE OF SAMPLE

☑ Smear ☐ Tritium Smears ☐ Oils ☐ Liquid ☐ Soil

☐ CAM ☐ Air Sampler ☐ Nasal Swipe ☐ Solid

☐ Special / Type:

COMMENTS

Harrel Inc. Norwalk,Ct.

ANALYSIS REQUESTED

Gross: ☑ Alpha ☑ Beta ☑ Gamma

☐ Alpha Spec ☐ Beta Analysis ☐ Gamma Spec. ☐ Liquid Scintillation Counting

☐ Nuclide:

Occurrence No.:

Incident No.:

RWP No.:

NASAL SWIPES

	Name	Z Number	Group	Surgical Yardie	Date	Time
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

COPY

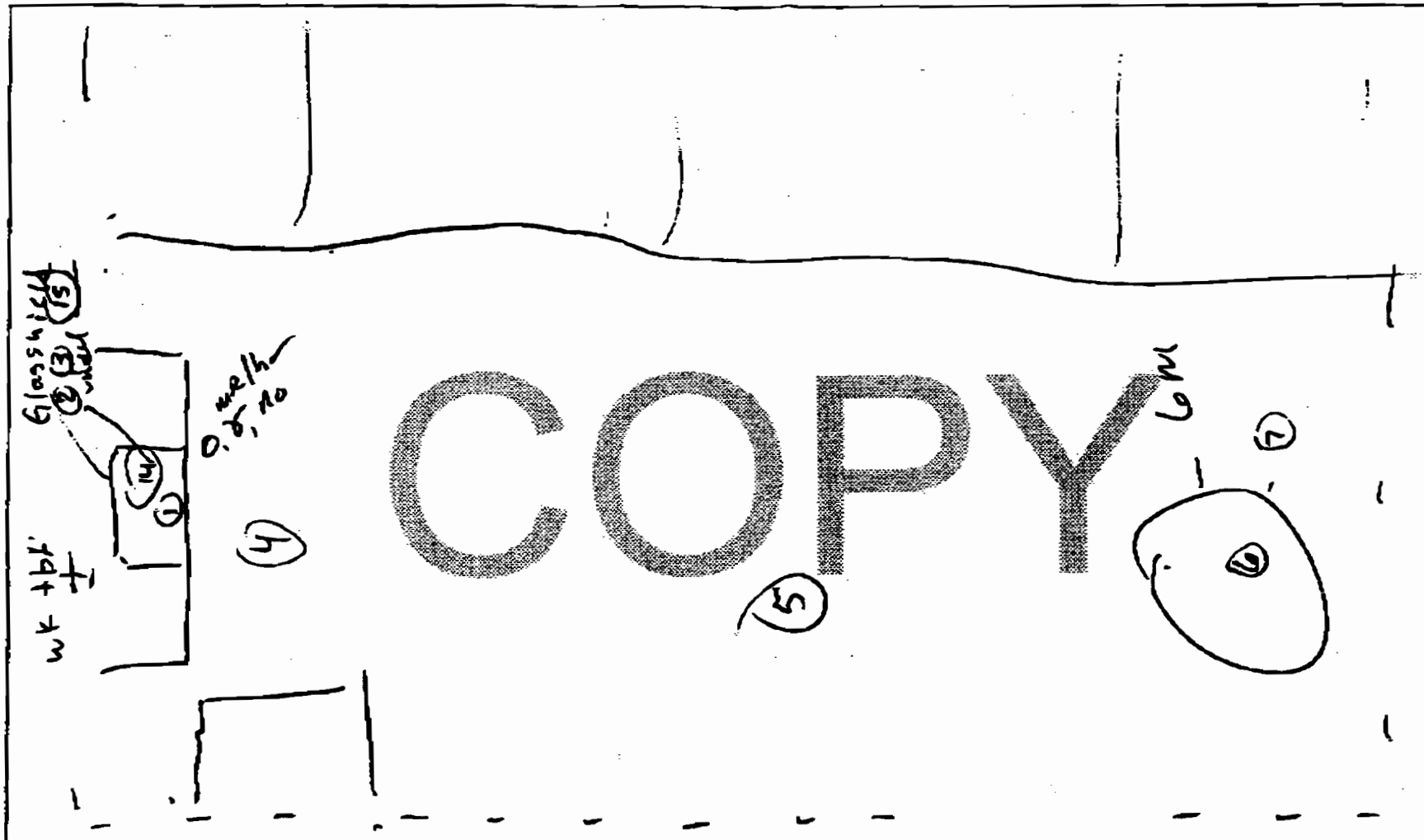
LIQUID / WOUND / OTHER SAMPLES

	Description	Sample ID No.
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

CAM FILTERS / AIR SAMPLES

	Location	Sample On		Sample Off	
		Date	Time	Date	Time
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

RP-1 Radiological Survey Map



Sample Date/Time: 3-24-10	RCT: B Turcios 115030	RCT Signature:
Sample Tracking Number:	Legend: ○ αβ contamination smear sample point γ 0.0 / 0.0 Gamma dose rate contact & 1m in mR/hr n 0.0 / 0.0 Neutron dose rate contact & 1m in mrem/hr (0.0) 30cm γ or n dose rates in mR/hr or mrem/hr	Comments:
Purpose of Survey: Source Recovery		

SEP-24-2010 10:05 AM HARREL 203 866 1483 P.07