

JUL 01 2002

DNESC-E

U.S. Nuclear Regulatory Commission
Region 1, Nuclear Materials Safety Branch
Division of Nuclear Materials Safety
ATTN: Ms Betsy Ullrich
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Ms Ullrich:

This is a follow-up to your telephone conversation of May 9, 2002 with Mr. Michael Pecullan of this office concerning a missing Cesium 137 check source, serial no. 951. We believe the source to be an Eberline Model CS-7A; the manufacturer advises that this is an uncalibrated, approximately 5 microcurie gamma source, one inch diameter in a plastic mounting media.

On December 12, 2001 a driver from the US Army Rock Island Test, Measurement and Diagnostic Equipment Support Center picked up two radiological instruments and the check source at our Defense National Stockpile Depot in New Haven, In. In March of 2002 our depot personnel noted that the check source had not been returned and notified the Rock Island Arsenal. Subsequently, as shown in the attachment, after searching their lab the Rock Island people deny having received the source. Our people in New Haven have also inspected the area where the driver had parked his vehicle at the depot.

If you have any questions concerning the foregoing, or wish us to take further action, please contact us at your earliest convenience.

Sincerely,

/S/ F. KEVIN REILLY

F. KEVIN REILLY
Director,
Directorate of Environmental
Management and Quality Assurance

Attachment

cc: Off. file - DNESC-E, DNESC-O, DNESC-OLNH, DNESC-EQNH
DNESC-EQ:MPECULLAN:mjp:767-7620:6/25/02



DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE CENTER
NEW HAVEN DEPOT
15411 DAWKINS RD
NEW HAVEN, IN 46774-9644



IN REPLY
REFER TO

DNSC-OLNH

June 17, 2002

MEMORANDUM FOR DNSC-E

SUBJECT: Loss of Cesium 137 Source Chip

Reference: Cesium 137 Source Chip
Serial Number 951
Microcuries – unknown
Manufacturer – unknown
Model Number – unknown

On 12 Dec 02 at approximately 0820 Marvin Wendt, the driver for Rock Island TMDE Support Center, arrived to pick up the Eberline E-520 Geiger Counter, the Fagmeter, and the Cesium 137 Source Chip.

He parked his van in the gravel parking lot across from the guard office, signed in, and walked down to the office.

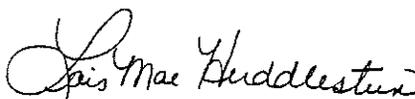
After the initial introductions, I handed him a cardboard box containing the aforementioned items. I picked up the E-520 and told him that it needed repaired because it would shock you when you turn it on. I told him that the Fagmeter was being sent in for calibration and that the Cesium 137 Source Chip was to accompany the Fagmeter. The Cesium 137 source chip was in a small manilla envelope with readings written on the outside of the envelope.

Mr Wendt walked back out to his van and exited the depot at approximately 0827.

In May of 2002 after it had been determined that the Cesium 137 Source Chip was missing, I walked the same path as Mr Wendt and checked around the area where he had parked his van. Using the E-520 I was unable to locate the check source which means it must have left the depot in the original box that was handed to Mr Wendt.

Attached are copies of e-mail correspondence regarding the calibration of equipment and the loss of the source chip.

Attachments


LOIS MAE HUDDLESTUN
Radiation Protection Officer
New Haven Depot

Huddlestun, Lois

From: Pecullan, Michael
Sent: Thursday, May 09, 2002 8:47 AM
To: Huddlestun, Lois
Cc: Till, William; Reilly, Kevin; Cangro, Vincent R; Kualii, Lancelot
Subject: RE: Cs137 Source Chip Lost

Lois-

I have contacted the NRC (telcon: Ullrich/5-9-02) to alert them to the loss of this check source. Please send a memorandum in to DNSC-E describing everything you know about the occurrence (all the info below plus any other pertinent info). Please make an effort to obtain as much data about the source as you can from depot records and ask the New Haven QA people to check their records. Include this info in your memorandum.

When we receive your memo we will notify the NRC in writing.

-----Original Message-----

From: Huddlestun, Lois
Sent: Monday, April 29, 2002 1:51 PM
To: Pecullan, Michael
Subject: RE: Cs137 Source Chip Lost

No - no receipts, no lists, nothing. Marvin Wendt was the driver and I handed the stuff to him myself.

It was an old - old Cs137 source chip. You couldn't even read the serial number on it anymore. According to past records I guess the serial number was supposedly 951.

Just don't have any other information, sorry.

Thanks,

Lois

-----Original Message-----

From: Pecullan, Michael
Sent: Monday, April 29, 2002 12:42 PM
To: Huddlestun, Lois
Cc: Reilly, Kevin; Olszewski, John; Bourn, Steven; Bixler, Allen
Subject: RE: Cs137 Source Chip Lost

Lois-

What other info do you have (microcuries, manufacturer, serial no., model no.)?

When you say "It was picked up with the fagmeter and the E-520 on 12 Dec 01", I assume that the equipment was picked up by the Redstone driver, am I correct & if so, did he give us a receipt? Did we include a list of package contents or any other document indicating the chip was with the equipment?

6/6/2002

Thanks,

Mike

-----Original Message-----

From: Huddlestun, Lois
Sent: Monday, April 29, 2002 9:31 AM
To: Pecullan, Michael
Cc: Reilly, Kevin; Olszewski, John; Bourn, Steven
Subject: Cs137 Source Chip Lost

Michael

FYI - our source chip has been lost.

It was picked up with the fagmeter and the E-520 on 12 Dec 01.

As you can see by the below messages, they have lost the source chip - so now we don't have a source chip to check our equipment.

What needs to be done now?

Thanks,

Lois

-----Original Message-----

From: Adams, Paul L [mailto:AdamsP@ria.army.mil]
Sent: Tuesday, April 23, 2002 1:09 PM
To: 'Huddlestun, Lois'
Subject: RE: Cs137 Source Chip Verification

We cannot find the check source. We believe the check source was an Eberline model # CS-7A and it actually was an option for the E-520 not the fagmeter. A 5-0002 does not normally come with a check source. Is this correct?

The E-520 was repaired by my tech (reported shock problem). It never went anywhere except Rock Island. My tech said the E-520 came in a plastic bag, not the case the E-520 would normally be in. He claims there was no check source in the bag. The last paperwork we have on a source was one returned to you with the E520 SN 3135 from Redstone Arsenal in August 2001.

The fagmeter went to Redstone Arsenal for calibration. The tech (Mr. Pittman) claims no source accompanied the meter.

We have investigated, interviewed all parties involved, surveyed the vehicle (lab and receiving area) with a mR Meter, and reviewed the paper trail (receipt documents). We do not believe the Cs137 source was ever sent to our lab.

I do not know what we need to do next. I am in my office until 9 May 2002 when I go TDY until 20 May 2002.

-----Original Message-----

6/6/2002

From: Huddlestun, Lois [mailto:lois_huddlestun@hq.dla.mil]
Sent: Tuesday, April 02, 2002 10:28 AM
To: 'Adams, Paul L'
Subject: RE: Cs137 Source Chip Verification

Model Number on the back of the fagmeter: 5-0002 is preferred.

I just spoke with Dave Kenar - he double checked and the Cs137 source chip was not delivered to him with his equipment.

The Cs137 was picked up on 12 Dec 01 along with the fagmeter which needed calibrated and the E-520 Geiger counter which needed some repair work. It is my understanding that the E-520 was not delivered to Redstone, it went somewhere else, maybe they have the source chip there? or does Marvin have it in his van?

Sorry you had to return from vacation to this.

Thanks for your help.

-----Original Message-----

From: Adams, Paul L [mailto:AdamsP@ria.army.mil]
Sent: Tuesday, April 02, 2002 9:30 AM
To: 'Huddlestun, Lois'
Subject: RE: Cs137 Source Chip Verification

Lois

I will try to answer your question tomorrow (3 April) when my Production Controller is back to work. I am confused why the Fagmeter has a label for 6 months when my database shows it was calibrated for a 1 year interval. I will get the answer tomorrow. Also, the Fagmeter seems to be reported with 2 different model numbers 40F6 and 5-0002. We noticed that both model numbers are on the instrument (one on the front and one on the back). Which do you prefer?

The Cs137 chip is another issue. We believe it was returned to David Kenar by the Redstone lab. When the Fagmeter was calibrated they said there was no Cs137 chip with it and that they do not need the chip to calibrate the Fagmeter. Could you check with Mr. Kenar?

Thanks
Paul

-----Original Message-----

From: Huddlestun, Lois [mailto:lois_huddlestun@hq.dla.mil]
Sent: Monday, April 01, 2002 12:14 PM
To: 'Adams, Paul L'
Subject: Cs137 Source Chip Verification

Hi - hope you enjoyed your vacation. Welcome back, everyone missed you!

I have a couple of questions for you.

The fagmeter was delivered back to us on 28 Mar 02 and the E-600 with attachments was picked up at the same time.

6/6/2002

1. Since the Cs137 source chip was not returned to us - I have to assume that you all still have it in order to calibrate the E-600. Would you please verify if this is correct?
2. I noticed that the fagmeter has a 6-month calibration timeframe. I thought that if you sent in the source chip with the equipment at the time of calibration that you could get a one-year timeframe. Is this true?
3. I realize that most government agencies are understaffed, so I know that it is difficult for your offices to get the equipment in and out quickly. We are a rather small organization with minimal quantity of equipment. It is difficult for us to be operational with our equipment constantly on the road to be calibrated. For example - The fagmeter left here on 12 Dec 01 - calibrated on 15 Feb 02 - was returned on 28 Mar 02 and is due back in again for calibration in Aug 02. We've already lost a month's use while waiting for it to be delivered back to us. Isn't there any way that we can extend the calibration time-frame to one year.

Thanks again for all of your help.

-----Original Message-----

From: Adams, Paul L [mailto:AdamsP@ria.army.mil]
Sent: Thursday, March 14, 2002 4:18 PM
To: 'Huddlestun, Lois'
Subject: RE: Calibration Due

Lois

My driver has a regularly scheduled run to Indiana the second full week of every month. He also has another scheduled loop every third week (sometimes the two will fall on the same week). Unfortunately he was in Indiana the day before I received your e-mail and is not scheduled to return until the week of 8 April. I have asked my Production Controller to check on the status of your fagmeter before I decide what to do. I queried our Redstone database and it showed the meter was done and I assume it is in transit, but I want to make sure. Cathy will call you tomorrow (Friday) with our options. I will be assisting a Michigan National Guard unit that is being activated and will be TDY until Tuesday.

FYI our next three scheduled Indiana trips are the weeks of 8 April, 18 April, and 9 May. I will prepare a schedule for the year and email it.

Paul

-----Original Message-----

From: Huddlestun, Lois
[mailto:lois_huddlestun@hq.dla.mil]
Sent: Thursday, March 14, 2002 10:01 AM
To: 'adamsp@ria.army.mil'
Cc: Till, William; Olszewski, John
Subject: Calibration Due

Mr Adams -

6/6/2002

Reference: MIPR#P083302MP00001

Please schedule calibration on the following piece of equipment:

Requesting 06 Priority

Eberline Meter	Alpha Probe	Beta/Gamma Probe
Model: E-600	SPA-3	SHP380A
SN: 1883	2046	180

Request that it be calibrated in three measurements (within +/- 20%):

mR/hr

SI/hr

dpm

Normally we send in the Cs137 source chip also, but you already have that in your possession.

It was sent in with our Fagmeter, Model 5-0002, SN 77-390
- Picked up on 12 Dec 02.

If you could please check on the status of the fagmeter and let me know how much longer it will be.

If you have any questions, please feel free to call.

Thanks,

Lois Huddlestun
RPO
New Haven Depot
15411 Dawkins Road
New Haven, IN 46774
260-749-9544
260-749-8467 (fax)

6/6/2002

Huddlestun, Lois

From: Huddlestun, Lois
Sent: Wednesday, November 28, 2001 7:23 AM
To: Till, William; Brooks, Frederic; 'ADAMSP@RIA.ARMY.MIL'
Subject: Calibration/Repair of Radiological Equipment

Bill Till, RSO
Frederic Brooks, Distribution Facilities Manager
Paul Adams, Chief, Region 2 in Rock Island, IL

MIPR Number P083302MP00001

In speaking with Mr Adams this morning - he is going to send his driver around to pick up our radiological equipment for calibration and repair. The pickup is tentatively scheduled for 11 or 12 Dec 01. The directions to the depot have been faxed to Mr Adams.

Please note when the driver arrives the following radiological equipment will be sent with the driver:

Eberline Geiger Counter Model E-520 this was recently returned however the wire is disconnected and if you push it back in the counter will shock you

Fagmeter (FH40F6) Model 5-0002 this is due to be calibrated

Cesium 137 source chip

Mr Adams will let us know whether or not they will need copies of the manuals.

Our OUIC is L019NH

Mr Adams can be reached at 309-782-1572 or 1573
fax 309-782-1472
e-mail: ADAMSP@RIA.ARMY.MIL

If anyone has any questions, please feel free to call.

Lois Huddlestun, RPO

Tracking:	Recipient	Read
	Till, William	Read: 11/30/2001 10:24 AM
	Brooks, Frederic	Read: 11/28/2001 8:27 AM
	'ADAMSP@RIA.ARMY.MIL'	

Huddlestun, Lois

From: Huddlestun, Lois
Sent: Monday, December 10, 2001 6:39 AM
To: 'marvin.wendt@us.army.mil'
Cc: Brooks, Frederic; Bourn, Steven; Till, William
Subject: RE: Calibration visit

You will not need to know a room number or building number. We will get you to our office.

Be sure to have a valid driver's license with you.

Lunch break is from 1130-1215. You should be here well before that.

Have a safe trip - we'll see you on Wednesday.

Lois

-----Original Message-----

From: marvin.wendt@us.army.mil [mailto:marvin.wendt@us.army.mil]
Sent: Saturday, December 08, 2001 8:39 AM
To: LOIS_HUDDLESTUN@HQ.DLA.MIL
Subject: Calibration visit

Ms. Huddlestun,

Good morning, my name is Marvin Wendt. I'm the driver for Paul Adams at the Rock Island TMDE Support Center.

I'm planning to stop by your shop to pick up your equipment on Wednesday December 12th. ETA = 0730 - 0800.

In case Security needs a heads-up, I will be driving a blue Dodge extended cargo van. GSA Licence# G43-04594.

The map you provided is very clear on how to get to the depot. Will I need to know a building number/room number once I arrive? Also when do you take your lunch break?

Could you please reply on Monday (Dec 10) prior to 1000 ET via email or you can contact me via cell phone anytime at (309) 781-5217. You can also contact me through Paul Adams at Rock Is. (309) 782-1881.

Thank you, and see you Wednesday morning unless I hear otherwise - mjw.

Tracking:	Recipient	Read
	'marvin.wendt@us.army.mil'	
	Brooks, Frederic	Read: 12/10/2001 7:59 AM
	Bourn, Steven	
	Till, William	Read: 12/10/2001 6:51 AM

RECORD OF TIME OF ARRIVAL AND DEPARTURE FROM NEW HAVEN DEPOT

Badge No.	PRINT NAME (Last, First, Initial)	SIGNATURE	AGENCY/ ORGANIZATION	PURPOSE OF VISIT	DATE (MM-DD-YY)	TIME OF	
						ARRIVAL	DEPARTURE
10	Russell McNeil	<i>Russell McNeil</i>	Labor Ready	Load	12-11-01	9:04	9:50
6	DAVIS BID	<i>Bill Davis</i>	MARINE	P/U	12/11/01	9:04	9:53
1	MIKE HAMILTON	<i>Mike Hamilton</i>	AGI	Work	12/11/01	10:37	10:47
	PLYE MARVIN	<i>Marvin Pyle</i>	WASTE MOT	SERVICE FRONT LOAD	12/11/01	11:00	11:05
2	VERDELL S. DIXON	<i>Verdell S. Dixon</i>	LANDSTAR	P/U	12-11-01	11:55	1327
7	BARRETT MAC	<i>Mac Barrett</i>	JES	P/U	12-11-01	1:22	1428
2	ANTHONY WOLFE	<i>Anthony Wolfe</i>	Labor Ready	Load	12-11-01	1:28	3:10
8	Russell McNeil	<i>Russell McNeil</i>	Labor Ready	Load	12-11-01	1:28	3:10
9	MIKE RENDLING	<i>Michael Rendling</i>	J-TRANS	LOAD	12-11-01	1:33	1444
10	RALPH COX	<i>Ralph Cox</i>	MARINE	PU	12-11-01	1:50	1515
	William Hisey	William Hisey		P/U			
3	William Hisey	<i>William Hisey</i>	J TRANS	P/U	12-11-01	2:16	1511
1	Darryl Meyers	<i>Darryl Meyers</i>	O & B TKN	PU	12-12-01	6:45 AM	0759
4	Pomelo Beck	<i>Pomelo Beck</i>	Topline	P/U	12-12-01	7:15	0930
6	Nelson	<i>Nelson</i>	Rock Trans	P/U	12-12-01	7:35	0918
7	MARVIN WOOD	<i>Marvin Wood</i>	ROCK ISLAND	P/U CALIBRATION	12-12-01	8:20	0827
7	DAVE BAKER	<i>Dave Baker</i>	NEEDHAM	Service	12-12-01	9:40	1023
	Worman John M	<i>John Worman</i>	UPS	Del	12/12/01	2:00	1404

Huddlestun, Lois

From: Huddlestun, Lois
Sent: Wednesday, December 12, 2001 2:33 PM
To: Till, William; Brooks, Frederic; 'ADAMSP@RIA.ARMY.MIL'
Cc: 'marvin.wendt@us.army.mil'
Subject: Pickup of Radiological Equipment

FYI -

Mr Marvin Wendt picked up the equipment as listed below on this date at about 0830.

-----Original Message-----

From: Huddlestun, Lois
Sent: Wednesday, November 28, 2001 8:23 AM
To: Till, William; Brooks, Frederic; 'ADAMSP@RIA.ARMY.MIL'
Subject: Calibration/Repair of Radiological Equipment

Bill Till, RSO
Frederic Brooks, Distribution Facilities Manager
Paul Adams, Chief, Region 2 in Rock Island, IL

MIPR Number P083302MP00001

In speaking with Mr Adams this morning - he is going to send his driver around to pick up our radiological equipment for calibration and repair. The pickup is tentatively scheduled for 11 or 12 Dec 01. The directions to the depot have been faxed to Mr Adams.

Please note when the driver arrives the following radiological equipment will be sent with the driver:

Eberline Geiger Counter Model E-520 this was recently returned however the wire is disconnected and if you push it back in the counter will shock you

Fagmeter (FH40F6) Model 5-0002 this is due to be calibrated

Cesium 137 source chip

Mr Adams will let us know whether or not they will need copies of the manuals.

Our OUI is L019NH

Mr Adams can be reached at 309-782-1572 or 1573
fax 309-782-1472
e-mail: ADAMSP@RIA.ARMY.MIL

If anyone has any questions, please feel free to call.

Lois Huddlestun, RPO

Tracking:	Recipient	Read
	Till, William	Read: 11/30/2001 10:24 AM
	Brooks, Frederic	Deleted: 12/13/2001 8:16 AM
	'ADAMSP@RIA.ARMY.MIL'	
	'marvin.wendt@us.army.mil'	

Huddlestun, Lois

From: Huddlestun, Lois
Sent: Monday, January 07, 2002 5:53 AM
To: 'marvin.wendt@us.army.mil'
Cc: Brooks, Frederic; Till, William; Bourn, Steven
Subject: Return of E-520 and Fagmeter

Thanks Marvin - see you on 16 Jan 02.

-----Original Message-----

From: marvin.wendt@us.army.mil [mailto:marvin.wendt@us.army.mil]
Sent: Saturday, January 05, 2002 10:59 AM
To: Lois Huddlestun
Subject: Calibration visit

Ms. Huddlestun,

I plan on returning your completed equipment on January 16.

ETA = 0730.

---mjw

Tracking:

Recipient

'marvin.wendt@us.army.mil'

Brooks, Frederic

Till, William

Bourn, Steven

Read

Read: 1/7/2002 6:16 AM

Read: 1/7/2002 6:25 AM

Huddlestun, Lois

From: marvin.wendt@us.army.mil
Sent: Wednesday, January 09, 2002 5:53 AM
To: Lois Huddlestun
Subject: Return of Geiger Counter

Good morning Ms. Huddlestun,

I just wanted to clarify my earlier e-mail. I will be returning the geiger counter on January 16th. The other items were sent to a higher lab for cal and have not yet returned. Sorry for any confusion I caused.

---mjlw

Huddlestun, Lois

From: Huddlestun, Lois
Sent: Friday, March 22, 2002 6:39 AM
To: 'Marvin Wendt'
Cc: Till, William; Bourn, Steven; Olszewski, John
Subject: Pick Up/Drop off of Radiological Equipment

Tracking:

Recipient	Read
'Marvin Wendt'	
Till, William	Read: 3/25/2002 7:20 AM
Bourn, Steven	Read: 3/22/2002 6:44 AM
Olszewski, John	Read: 3/22/2002 6:56 AM

Marvin -

I will be out TDY on the 28th but there will be someone here at the depot to collect and/or supply you with the necessary equipment.

So you will be dropping off the fagmeter (Model 5-0002 or it might say FH40F6, SN 77-390 - Picked up on 12 Dec 02.)and cs137 chip?

and/or picking up the following?

Reference: MIPR#P083302MP00001

Please schedule calibration on the following piece of equipment:

Requesting 06 Priority

Eberline

Meter	Alpha Probe	Beta/Gamma Probe
Model: E-600	SPA-3	SHP380A
SN: 1883	2046	180

Request that it be calibrated in three measurements (within +/- 20%):

mR/hr
SI/hr
dpm

It was sent in with our Fagmeter, Model 5-0002, SN 77-390 - Picked up on 12 Dec 02.

-----Original Message-----

From: Marvin Wendt [mailto:marvin.wendt@us.army.mil]

6/6/2002

Sent: Thursday, March 21, 2002 2:52 PM
To: New Haven DLA
Subject: Calibration visit

Ms. Huddlestun,

I plan on arriving at your shop Thursday (March 28). ETA=1100. —mjw

6/6/2002