

Form TI-1 Case Resolution

Case Status:	Open	Closed <input checked="" type="checkbox"/>
RCODE: 44190		
Region: II		
OLD - Complete Name, Address, Contact, Phone Number:		
Childress Services Corporation Childress Plant 2 State Route 44 Sarah Ann, WV 25644		
NEW - Complete Name, Address, Contact, Phone Number:		
Device transferred to an Agreement State Company:		
Mailing Address:	Address of Use:	
Cumberland Coal P.O. Box 1417 Powell, TN 37848	Cumberland Coal 6728 Smith Mt. Road Crab Orchard, TN 37723	
Agreement State Licensee? (Double Check)	Yes	No <input checked="" type="checkbox"/>
Moved to an Agreement State?	Yes	No <input checked="" type="checkbox"/>
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other)		
<p>Childress Services was the subject of an investigation and enforcement action in the 90's for unauthorized transfer of generally licensed devices. A previous NRC inspector contacted Greg Bailey, who used to work for Childress Services. According to Mr. Bailey, two devices associated with this plant were transferred to Richardson Fuels in Kentucky, and Cumberland Coal Company in Tennessee. Another device had been reported lost. The inspector and GLTS contract staff contacted Ohmart for more information on two of the devices. Ohmart staff stated that the device that was transferred to KY had been disposed of properly (see attached email). Ohmart staff recalled that the second device had been transferred to a recipient in TN, but had no further information without a serial number. The inspector contacted Roger Fenner, Materials Inspecting and Enforcement with the state of TN about this second device. Mr. Fenner stated that Cumberland Coal had received the device through an unauthorized transfer from Childress, and its serial number was 63761. The inspector gave this serial number to Ohmart, who confirmed that this was a device registered originally with Childress. Ohmart staff stated that the device was involved with the enforcement against Childress, and was leak tested and installed by Ohmart in 1988 to assure Cumberland Coal was in compliance with applicable NRC and TN regulations. The device is still in use at a Cumberland Coal facility in TN, and is registered appropriately with the state. The third device, sold by TN Technologies was stolen in 1993, as described in NMED event # 940187 (see attached NMED report).</p>		
Describe Communication with Registration Vendor:		
<p>GLTS Contractor contacted Candy Brock of Ohmart Corporation and learned that one device was transferred to Richardson Fuels in KY, and then later disposed. The Ohmart representative also remembered that a device was illegally transferred to a customer in TN. Ohmart staff aided the inspector in associating the device with Cumberland Coal of TN.</p>		

Vendor Follow-up Action: **None.**

Final Action Taken:

Forwarded info to HQ to update GLTS.

Cause of Bad Address/Lesson Learned:

Transfer of GLD's to another GL without notifying the NRC.

RCODE: **44190**

Licensee Name: **Childress Services Corporation**

Form TI-2: Device Information

RCODE: 44190								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
	SH-F2	M-7083	Cs-137	250	19921	Ohmart / Vega Corporation	A	xferred to Richardson Fuels in KY, then disposed
	SH-F2	M-7083 (Vendor shows S/N 63761 - the M usually denotes a source S/N, not device)	Cs-137	250	19921	Ohmart / Vega Corporation	A	xferred to Cumberland Coal Co., TN
	7062BP	25651	Cs-137	100	19823	Kay-Ray / Sensall, Inc.	N	Stolen in 1993 as reported in PN293030 and NMED item # 940817
For additional GLD's received by the licensee identified during the inspection:								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	Status	Comments

Status Codes:

A - Source accounted for

N - Source not accounted for

RCODE: 44190

Licensee Name: **Childress Services Corporation**

Form TI-3: General Licensee Inspection Documentation

RCODE: 44190	
General Licensee Information:	
<input type="checkbox"/>	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
<input type="checkbox"/>	
Results of inspection: (check the appropriate boxes)	
<input type="checkbox"/>	The general licensee of record is located at the address of record and
<input type="checkbox"/>	all GLD are accounted for
<input type="checkbox"/>	<u>not</u> all GLD are accounted for
<input type="checkbox"/>	The general licensee of record is <u>not</u> located at the address of record, however GLD are being used under new ownership at the address of record and
<input type="checkbox"/>	all GLD are accounted for
<input type="checkbox"/>	<u>not</u> all GLD are accounted for
<input type="checkbox"/>	The general licensee of record is <u>not</u> located at the address of record, however they are using GLD at another location and
<input type="checkbox"/>	all GLD are accounted for
<input type="checkbox"/>	<u>not</u> all GLD are accounted for;
<input checked="" type="checkbox"/>	Neither the general licensee of record nor the facility operated by the general licensee are located at the address of record and the site has been abandoned or is being used for an alternate purpose.
<input type="checkbox"/>	Other: (explain)
Gauge Information:	
ID	For each gauge for which status is unaccounted for (see last column of Form TI-2), provide any conclusions about location of the gauge:
	The unaccounted for gauge was lost in 1993 and reported to the NRC. (NMED # 940187)

Inspector: **N. Jeff Griffis**
Materials Licensing/Inspection, Branch 1

Approved By: **Jay Henson, Chief** *J. Henson* 12/23/02
MLIB1

Completion Date: **11/13/2002**

RCODE: 44190

Licensee Name: **Childress Services Corporation**

Received: from igate.nrc.gov
by nrcgwia.nrc.gov; Tue, 27 Nov 2001 10:45:00 -0500
Received: from nrc.gov
by smtp-gateway ESMTPœ id KAA21493
for <ACH@nrc.gov>; Tue, 27 Nov 2001 10:42:38 -0500 (EST)
Received: by irene with Internet Mail Service (5.5.2653.19)
id <XT1FDL6F>; Tue, 27 Nov 2001 10:43:09 -0500
Message-ID: <38F8C502A652D511B5D700B0D0AB4EDA082325@irene>
From: Candy Brock <CBROCK@ohmartvega.com>
To: "Angie Hutchinson" <ACH@nrc.gov>
Subject: RE: DEVICES
Date: Tue, 27 Nov 2001 10:42:59 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain;
charset="iso-8859-1"

Angie,

Here's what I was able to find for you.

1. This is a valid address. The contact I have from 1997 is Gene Kahler, I don't have a phone number. The invoice address I have is P.O. Box 460329, Houston, TX
2. Serial number M-3576 was returned to us in 1996. The contact person at that time was Bill Collister, 307-577-6021. I have no current info on s/n M-3577
3. S/N M-845 was returned at the same time as M-3576, same contact info.
- 4-10. Some of these may have been returned. Amoco returned gauges from several of the pipelines in the area. If you can get in touch with someone and get a complete listing from them, or at least the pipeline locations, I would have better luck in tracking these down.

Amoco, Cody I don't have a contact name, but the address I have is 113 W. Yellowstone, Cody, WY 82414. I think if you can get in touch with Gene Kahler or Bill Collister, they should be able to get you the name of the correct contact person.

Honiron, source was shipped to Elcor Chem in Van Horn, TX. I do not have ✓
any current information for them.

Childress Services Well, there's a story to this one! Childress is no longer in business. They shipped (improperly, of course) 2 gauges from sites in WV; (1) went to KY, the other to TN. The one that went to KY, s/n M-7083 was returned to us in March 2001. The other, I can't remember exactly where in TN it went. I remember working with the State of TN to make it "legal", I remember it was a really remote site, out some gravel road, but I can't pull the name of the company up in my memory. If you can correct the serial number, I should be able to come up with the rest of the info.

Site Treatment Plant
S.O. 11634, s/n L-753, 1000 mCi Cs-137 in an HM-8 source holder. Returned to us 6/2000. We will be disposing of this source later this year.

Foxboro Company

Completed

Purchased for City of Missoula, my records show one gauge, (our order 2677) containing a 1000 mCi source (s/n unknown) and a .05 mCi Ra-226 source. These sources were returned to us April 1987.

Hope this helps!

Regards,
Candy

Candy Brock
Customer Support Manager
cbrock@ohmartvega.com
513-272-0524 x 159
513-272-4381 (fax)

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

From: Angie Hutchinson [mailto:ACH@nrc.gov]
Sent: Monday, November 26, 2001 4:29 PM
To: CBROCK@OHMARTVEGA.COM
Subject: DEVICES

Hi Candy

could you pls help in identifying these recipients addresses for me.

1. Amoco Pipeline Company
301 Tank Farm Road
Casper, Wy 82601
2. Devices: D-3460=qty 2
serial#'s m3576/m3577
shipped dates 1=11/15/1989 and 1=2/15/1985
3. Device#d- Densart 3400= qty 2
serial# m845 / m846?
shipped dates 1= 11/15/1988 and 1= 5/15/1988
4. Device# densart 3430, s/n#m3090, shipped 5/15/89
5. device# densart 3430, s/n# m3091, shipped 5/15/89
6. device#densart 3450, s/n#1200, shipped 2/15/89
7. device# densart 3450, s/n# none, shipped 2/15/89
8. device #3450, s/n# none, shipped 2/15/89
9. device# sh-100, s/n# none, shipped 2/15/89= qty3
10. device# sr1a, s/n# none, shipped 2/15/86

Amoco Pipeline Company
13 Miles South
Cody, WY 82414

Devices
densart 3450, s/n# none, shipped 2/15/89= qty2

Honiron
Honolulu, HI 96813

Devices:

cp6,s/n# none, shipped 11/15/68

note field: stated that this device was returned on 7/30/68, shipped out to another customer on 3/3/69.

Who was this customer and are they still in business?

Childress Service Corporation
State Route 44
Dept (Plant 2)
Sarah Ann, WV

Devices:

shf2, s/n#m7083, shipped 2/15/92

shf2, s/n#m7083, shipped 2/15/92

Site Treatment Plant
Saint Charles, MO 63301

devices:

sdg, s/n#11634, shipped 5/15/65

~~Foxboro Company STP
Missoula, MT 59801~~

Devices:

sdg, s/n# none, shipped 8/15/62= qty 2

ps. Candy, any information you have will be helpful. List any phone#'s or contact personal so I may verify recipients information. thank you and have a nice evening. I know this is a lot, but NRC are preparing the registrations for the quarter and infor has to be completed by certain deadline. any questions pls contact me at 240-753-0100 ext 137, fax # 301-424-5224

From: Candy Brock <CBROCK@ohmartvega.com>
To: "njg1@nrc.gov" <njg1@nrc.gov>
Date: 11/13/02 9:02AM
Subject: Source Records

Good morning, Jeff!

Per our telephone conversation yesterday regarding Cumberland Coal, attached are 2 surveys: (1) shows the installation of our serial number 63761 in WV, where we originally sold the gauge. (1) shows the installation several years later in TN, where the gauge was transferred.

Regarding Consolidation Coal: I have record that a 1000 mCi Cs-137 source, s/n 63962, which you show as a device model ED-10 was returned to us sometime in January 1978. Unfortunately at some point in time disposal records prior to 1981 were purged so I can not give you a copy of that disposal letter.

Regarding Westmoreland Coal: Attached is a copy of the disposal letter for the 100 mCi source. As I told you, from the database it looks like the 50 mCi was returned and then replaced with another 50 mCi (who knows why!). I cannot find a record of that second 50 mCi source being returned to us.

I'll try to get to your other requests today; maybe tomorrow.

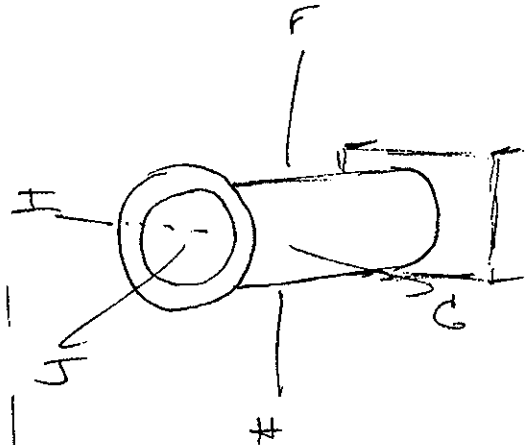
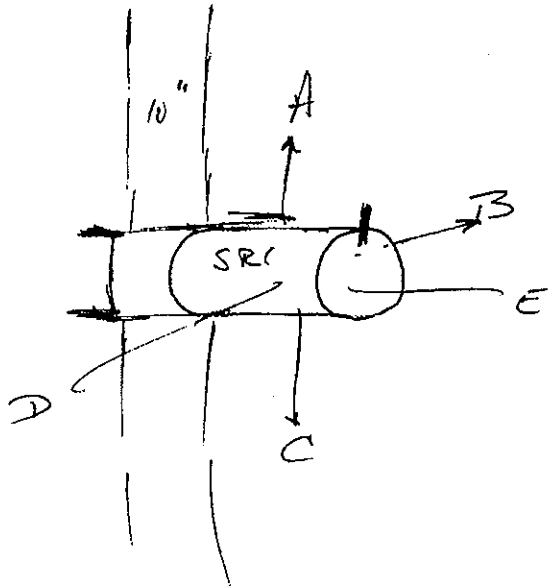
Regards,
Candy
Candy Brock
Customer Support Manager
mailto:cbrock@ohmartvega.com
513-272-0524 x 159
513-272-4381 (fax)

ohmart radiation SAFETY



RADIATION SURVEY
 Childress Service
 M+H PLANT
 MAN, WV.

START-UP



PIPE/VESSEL: FULL EMPTY

OHMART
 FEB 11 1990
 RADIATION SURVEY

1

GENERAL INFORMATION

GAGE USER Childress Service.
 OHMART SO # W903010114
 DATE 2/8/90 19
 PERSON DOING SURVEY
Cliff D. Aubrey

SOURCE HOLDER MODEL SR-1-2
 SOURCE MATERIAL CS-137
 SOURCE ACTIVITY 120 mCi
 SOURCE SERIAL NO. 63761
 TAG NO. _____ DATE 11/89

SURVEY METER:
 MANUFACTURER Victoreen
 MODEL 490 w/489-4 Probe
 SERIAL NO. 4253/3990

NOTES

NOTE: ALL READINGS ARE IN MILLIROENTGEN/HR (MR/H)

NUMBERS ON THE DRAWING INDICATE WHERE THE METER SHOULD BE PLACED AT TWO (2) INCHES FROM THE GAGE SURFACE TO TAKE THAT READING.

ALPHABETICAL DESIGNATIONS INDICATE WHERE THE METER SHOULD BE PLACED TO MONITOR READINGS AT TWELVE (12) INCHES FROM THE GAGE SURFACE.

A READING GREATER THAN 5 MR/H AT TWELVE (12) INCHES FROM THE GAGE SURFACE REQUIRES A RADIATION AREA SIGN.

2

SOURCE SHUTTER

Open	①		①	.2
	②		②	.3
	③		③	.3
	④		④	.3
	⑤		⑤	.3
	⑥		⑥	.3
	⑦		⑦	.4
	⑧		⑧	.5
	⑨		⑨	.7 MR/H
	⑩		⑩	
	⑪		⑪	
	⑫		⑫	

COLUMN 1 Reading at 2" from the surface

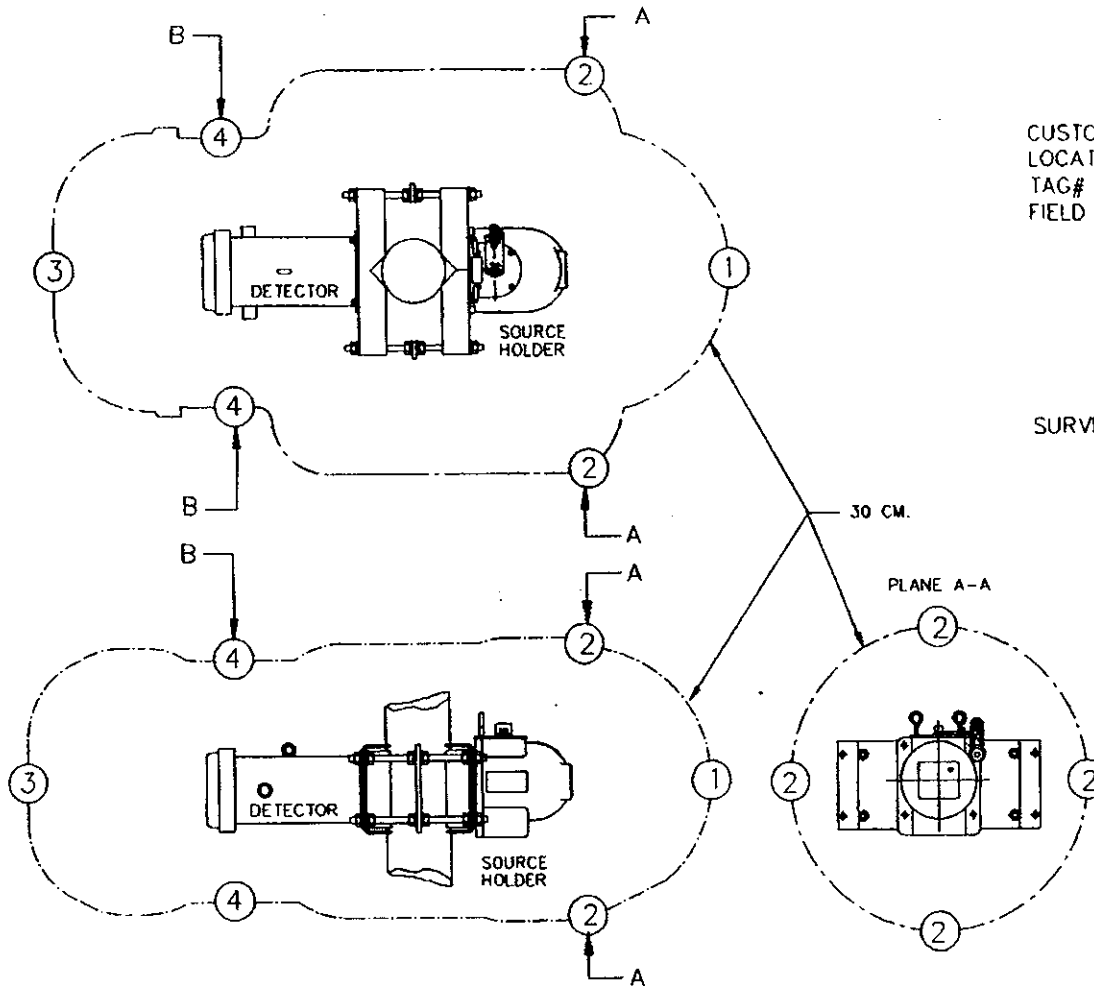
COLUMN 2 Reading at 12" from the surface

3

SOURCE SHUTTER

Closed	①		①	
	②		②	
	③		③	
	④		④	
	⑤		⑤	
	⑥		⑥	
	⑦		⑦	
	⑧		⑧	
	⑨		⑨	
	⑩		⑩	
	⑪		⑪	
	⑫		⑫	

REQ NUMBER	DATE	REVISION	BY	CHECKED
1	3/22/98	ADDED "OFF"	TMS	RLH
2	3/22/98	ADDED ON/OFF COLUMNS	TMS	RLH
3	10/2/97	SOURCE HOLDER WAS SR-A MODEL	KH	RLH
4	2/1/99	ADD RADIATION AREA & RESTRICTED AREA	KHO	RLH



CUSTOMER OR USER Cumberland Coal
 LOCATION 6228 Smith Mt. Road
 TAG# OR ID# TN98-430-2566
 FIELD SERVICE# TN98-130-1998

C.O.# TN98-430-2566
 SOURCE HOLDER MODEL SR-1A
 SOURCE MAT'L Cesium 137
 SOURCE ACTIVITY mCi 120 GBq 4.4
 SOURCE SERIAL NO. 63761
 DATE OF MANUFACTURE 11-89

SURVEY METER: MFR Xetex
 MODEL 3358
 SERIAL NO. 45881
 LAST CAL. DATE: 2-26-98

PIPE SIZE: 8" ; EMPTY ; FULL

RADIATION FIELD ACCESSIBLE: YES ; NO

RADIATION AREA: YES ; NO
 (DOSE RATE GREATER THAN 5 mrem/hr @ 30 cm (12"))
 IF YES, POSTING REQUIRED. WHERE?

RESTRICTED AREA: YES ; NO
 (DOSE RATE GREATER THAN 2 mrem/hr)
 IF YES, WHERE?

SURVEYED BY Cornelissen DATE 8-31-98

ALL READINGS ARE IN mrem/hr.
 AT 30 cm (12 inches)
 (X MEANS NOT MEASURABLE ABOVE
 BACKGROUND RADIATION LEVEL).

	SOURCE HOLDER	
	ON	OFF
①	.4	.2
* ②	.3	.3
③	.3	.1
* ④	.2	bkgd

For gamma radiation:
 1 mrem/hr = 1 mR/hr
 1 mrem/hr = 10 microSievert/hr
 1 mCi = 0.37 GBq

* DATA REPRESENTS HIGHEST MEASURED VALUE OF EACH PLANE.

OHMART ID# NUMBER
 OHMART IDENTIFICATION NUMBER 49818
OHMART THE OHMART CORPORATION
 4241 ALLENDORF DRIVE, CINCINNATI, OHIO 45209 USA
**INSTALLATION RADIATION SURVEY
 FOR DENSITY APPLICATIONS
 14" OR LESS PIPE SIZE**
 THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO THE OHMART CORPORATION. NEITHER THIS DOCUMENT NOR THE INFORMATION DISCLOSED HEREIN SHALL BE USED OR DISCLOSED TO OTHERS FOR MANUFACTURING OR ANY OTHER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY THE OHMART CORPORATION. THIS DOES NOT APPLY TO INFORMATION FURNISHED BY VENDORS OR OTHERS OUTSIDE THE OHMART CORPORATION.
 MADE FROM C-48727 OHMART BY/DATE TMS 7-3-89 ORDERED BY/DATE C-49818

NMED Item Number: 940187

Event Details

ABSTRACT: THE LICENSEE REPORTED THE THEFT OF A GENERALLY LICENSED GAUGE FROM A STORAGE BUILDING AT A COAL MINE. THE BUILDING WAS BROKEN INTO BY A CREDITOR AND JUNK DEALER AND EQUIPMENT WAS TAKEN OFF SITE.

Event Date	Discovery Date	Report Date
07/22/1993	07/22/1993	07/26/1993

Licensee / Reporting Party Information:

Agreement State Regulated:	NO	Reciprocity:	NONE
License Number:	GENERAL LICENS	Licensee:	CHILDRESS SERVILE CORP.
Docket:	NR	City:	BEAVER
Program Code:	NR	State:	WV
NRC Region Office:	2		

Site of Event:

Site Name: WYOMING COUNTY
 State: WV

Additional Involved Party:

License No: NA Name: NA
 City: NA
 State: NA

Other Information:

NRC Reportable Event:	Y	Abnormal Occurrence:	N
Agreement State Reportable Event:	N	Investigation:	
Atomic Energy Act Material:	Y	NMED Record Complete:	Y
Consultant Hired:	N	Event Closed by Region/State:	

Event Class:

LAS - LOST OR STOLEN
 CAUSE: STOLEN LICENSED MATERIAL, SECURITY MEASURES DEFEATED

Equipment Information (System Level):

LAS			
System ID#:	1	Model Number:	3660
System ID:	GAUGE FIXED	Serial Number:	NR

Manufacturer: KAY-RAY/SENSALL

Problem with System:

Equipment Information (Component Level):

LAS

Component ID#:	1	Radionuclide:	CS-137
Component ID:	SEALED SOURCE GAUGE	Activity (Curies):	0.1
Manufacturer:	NR	Leak Test Results (uCi):	NR
Model Number:	NR	Problem with Component:	
Serial Number:	NR		

Reporting Requirements:

LAS Mode Reported: TELEPHONE

Report Requirements: 20.0402(a)(1) - (NO LONGER USED) IMMEDIATE TELEPHONE REPORT OF A LOSS OR THEFT OF LICENSED MATERIAL THAT COULD RESULT IN A SUBSTANTIAL HAZARD TO PERSONS IN UNRESTRICTED AREAS.

LAS Mode Reported: WRITTEN

Report Requirements: 20.0402(b) - (NO LONGER USED) THE 30 DAY WRITTEN REPORT CONCERNING LOST OR STOLEN MATERIAL.

Contributing Factors/Corrective Actions Information:

LAS

Factor #: 1
Contributor Factor: NOT REPORTED
Corrective Action: NOT REPORTED

Keywords

LAS

Keyword: SEALED SOURCE GAUGE

Event Documents List

Report ID No	Entry Date	Retraction Date	Type of Report
PN293030A	02/18/1994		PRELIMINARY NOTIFICATION
9312010336	03/24/1994		NRC LETTER
9312010337	03/24/1994		OTHER