

Form TI-1 Case Resolution

Case Status as of 09/25/2002	Open	Closed X
RCODEs: 1981 and 3725		
Region: IV		
OLD - Complete Name, Address, Contact, Phone Number: Montana Resources 600 Shields Avenue Butte, MT Former POC: Charlie Palagi		
NEW - Complete Name, Address, Contact, Phone Number: Montana Resources 600 Shields Avenue Butte, Montana 59701 Contact: Stephen F. Walsh, President (406) 723-4082		
Agreement State Licensee? (Double Check)	Yes	No X
Moved to an Agreement State?	Yes	No X
Describe Follow-up: (Telephone, Internet, Chamber of Commerce, Other) First contacted licensee 10/2001. At that time, it was learned by RIV that the POC Charlie Palagi was retiring. I spoke to the receptionist, Mary Brandl, and FAXed her several pages of documentation to give to Palagi. Palagi contacted me and told me that they were no longer in possession of any GL devices whatsoever, and that their mine site had been temporarily been shut down in June 2000. He said that the gauges were no longer necessary for their operations since their ore was low grade and that all devices were disposed of. Palagi FAXed me a letter from TN technologies showing the disposition of 81 devices. Unfortunately none of the 81 devices corresponded to those we were looking for from GLTS. Palagi subsequently retired. I then contacted the vendors for any additional information (see below). After talking to the vendors, several "missing" devices were still not accounted for. In July 2002, I was notified by HQ that the licensee had been "located" by them and contacted by HQ/contractor regarding registration of the GL devices, thus duplicating the efforts expended by RIV. At that point, I was directed by HQ to continue to pursue information regarding the ultimate disposition of the gauges. (See attached email) I attempted to conduct an on-site "inspection/inquiry for additional information" on 09/12/2002. The licensee was not cooperative. I was told that they were tired of dealing with us (NRC) and had already given us all of the information regarding the gauges, in duplicate. They said they had no additional information for me and were rather upset by my presence. Apparently, duplication of RIV inquiries by HQ/contractor had frustrated the licensee. Some gauges are still not accounted for.		
Describe Communication with Registration Vendor: Emailed Candy Brock @ Ohmart. She confirmed that one of the devices in question was returned to Ohmart. She had a record of an additional gauge being sold to Montana Resources, but had no record of its return. Emailed Martha Hernandez @ ThermoMeasureTech. She did not provide any information regarding the disposition of any devices.		
Vendor Follow-up Action: None.		
Final Action Taken: Update RIV database, notify NRC GL Project Manager		

ADAMS # MLO 226
Template _____
Date 9/26/02 QC'd by [Signature]

Cause of Bad Address/Lesson Learned:
Unknown - address was not bad.

Form TI-2: Device Information

RCODEs: 1981 and 3725								
ID	Model Number	Serial Number	Isotope	Activity (mCi)	Sold Date	Vendor	Status (A or N)	Comments
1.	HEPS	76405	109-Cd	10	1999	Metorex	N	- not registerable - not registerable - device returned to Ohmart 11/1975 (probably a trial gauge)
2.	HEPS	PP146	109-Cd	10	1999	Metorex	N	
3.	ED-10	64537	137-Cs	500	1975	Ohmart	A	
4.	PGV	43706	137-Cs	100	1961	Ohmart	N	
5.	3600	unknown	137-Cs	100	1975	Kay-Ray/Sensall	N	
6.	5176	unknown	137-Cs	1000	1975	TN Technologies	N	
For additional GLD's received by the licensee identified during the inspection: see attached disposition list								
ID	Model Number	Serial Number	Isotope	Activity	Sold Date	Vendor	Status	Comments

Status Codes:

A - Source accounted for

N - Source not accounted for

Form TI-3: General Licensee Inspection Documentation

RCODEs: 1981 and 3725.	
General Licensee Information:	
	Check Box if Current Complete Name, Mailing Address, Contact, and Phone Number is Same as Provided by ORNL. If not, include correct information below:
	Montana Resources 600 Shields Avenue Butte, Montana 59701 Contact: Stephen F. Walsh, President (406) 723-4082
Results of inspection: (check the appropriate boxes)	
	The general licensee of record is located at the address of record and
	all GLD are accounted for
	<u>not</u> all GLD are accounted for
	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
	all GLD are accounted for
	<u>not</u> all GLD are accounted for
	The general licensee of record is <u>not</u> located at the address of record, however they are using GLD at another location and
	all GLD are accounted for
	<u>not</u> all GLD are accounted for;
	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.
X	Other: (explain) Inspection attempted 09/12/2002. Licensee was not cooperative and did not supply any additional information regarding the disposition of the gauges in question.
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:
1, 2	Not registerable. Not investigated by RIV as to the disposition of the devices. Licensee said that they no longer possess them.
4,5,6	Licensee no longer possesses any GL devices. Probably properly disposed by the licensee but don't have any supporting documentation. It is also possible that GLTS is not accurate with respect to items 5 and 6.

Inspector: Janine F. Katanic, Health Physicist, RIV

Approved By: Mark R. Shaffer, Chief, Nuclear Materials Inspection Branch, RIV



9/26/02

From: Jeff Griffis
To: Janine F. Katanic
Date: 7/22/02 7:21AM
Subject: Re: CLOSED GL CASE

It seems you have much better information than NMSS does concerning this. The call log that I looked at only contains information below:

31-Jan-02, Mary Brandl of Montana Resources called (406)723-4081. She said that the devices listed under Section 2 had been transferred to another company and she wanted to know what to do with the form. NMSS staff asked her to double check with the company to make sure each of the devices listed under Section 2 was not in their possession, then fill in 'Not in possession...', and fill out Section 4 for each device.

From this information, contact was established with a responsible party, and a registration was begun. However, since the registration will reflect that the devices are not in possession, any additional regional followup (e.g. inspection) would help determine the ultimate disposition of these missing devices. Continue following up with the vendor, and see if this leads anywhere. If you do get the opportunity to inspect, this would also be great. Put any and all information in the TI. If you need any additional help, or if you have any further questions, go ahead and contact me. Thanks Janine, hope everything is great in Texas,

Jeff

>>> Janine F. Katanic 07/21/02 12:45AM >>>
Jeff,

I have a contact at the licensee. In fact, I was planning an inspection there in September. The licensee sent me 30 pages of GL devices, none of which are the devices we are looking for. Those devices were all removed by TN Tech several years ago. The licensee no longer possesses any GL devices. Their mining operations are of a certain grade that does not require gauges. They have nothing to register according to my contact. I am out on the road and therefore, do not have the name of the contact - but I believe it is Charlie Pelagi. I have been having discussions with TN to see if the devices we are looking for were returned to them at some point in the past (before the removal of the other 30 or so devices). I think it will be pretty difficult to close this particular case. I am interested in any response you get from Montana Resources.

Janine

>>> Jeff Griffis 07/16/02 11:48AM >>>

Janine, recently we discussed open GL Cases for RIV. I was looking through a call log that is kept by NMSS staff up here, and I found that a contact for Montana Resources has called and been instructed on how to fill out her registration. Therefore, you can cease efforts on RCODES 1981 and 3725, which were open for Montana Resources. I hope you haven't spent too much time with these. If you have closed these out already, and put them into ADAMS, go ahead and send me the ML number. If you haven't, you can send me any info you have, but don't worry about doing any more follow up. Hope it helps. Call me if you have any questions.

Jeff

CC: Binesh K Tharakan; William Ward



600 Shields Avenue
Butte, MT 59701
Phone: (406) 723-4081
Fax: (406) 723-9542

To: Janine F. Katanic: US Nuclear Regulatory Commission
From: Charlie Palagi: Montana Resources

Fax: 1-817-860-8188

Pages: 21

Phone:

Date: 10/02/01

Re:

CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Please find attached an inventory of our source devices and their locations. Also included is a letter from TN Technologies certifying their receipt and accepted ownership of all Montana Resources nuclear devices.

All the devices were disposed of due to changes made in the Montana Resources concentrator operations making them obsolete and of no value in controlling the plant.

IMPORTANT: This message is intended for the use of the individual or entity to which it is addressed. It may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at once at the address above via the United States Postal Service. THANK YOU! IF YOU DO NOT RECEIVE ALL OF THESE PAGES, PLEASE CONTACT Mary.

TN

September 6, 1994

Mr. Keith Graham
Montana Resources
600 Shields Avenue
Butte, MT 59701

Dear Mr. Graham:

This is to certify that TN Technologies has received and accepted ownership of the radioactive material described on the attached pages pursuant to applicable regulations and as authorized by our Texas Radioactive Materials License No. LO-3524.

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material.

If you have any questions or require additional assistance, please contact me at 512-388-9291 or 800-736-0801.

Sincerely,

TN TECHNOLOGIES


Lori Pelliccia
Sr. Services Coordinator

/llp
Attachment

TN Technologies, Inc.
An Enclustech Company

P.O. Box 800 Round Rock, Texas 78680 0800
(512) 388-9100. Fax: (512) 388-9200. Telex: 77-6413

MONTANA RESOURCES
BUTTE, MTPAGE 2
SEPT. 6, 1994

Item No.	Isotope	Activity	Source Serial No.	Manufacturer	Model No.	Model Serial No.
1	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7001
2	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7008
3	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7009
4	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7015
5	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7023
6	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7024
7	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7026
8	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7027
9	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7028
10	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7029
11	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7030
12	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7031
13	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7032
14	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7033
15	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7034
16	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7035
17	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7036
18	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7039
19	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7040
20	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7041
21	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7042
22	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7043
23	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7044
24	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7045
25	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7047
26	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7048
27	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7049
28	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7051
29	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7052
30	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7054
31	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7055
32	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7056
33	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7057
34	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7058
35	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7059
36	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7060
37	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7061
38	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7062
39	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7063
40	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7064
41	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7065
42	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7066
43	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7067
44	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7068
45	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7069
46	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7070
47	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7071
48	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7126
49	Cs-137	20 mCi	N/A	Accuray	SH-301	CS7157
50	Cs-137	50 mCi	N/A	Accuray	SH-301	CS9013
51	Cs-137	50 mCi	N/A	Accuray	SH-301	CS9014

MONTANA RESOURCES
BUTTE, MTPAGE 3
SEPT. 6, 1994

Item No.	Isotope	Activity	Source Serial No.	Manufacturer	Model No.	Model Serial No.
52	Sr-90	500 mCi	N/A	Ind. Nucleonics	DH3-500	S634
53	Sr-90	500 mCi	N/A	Ind. Nucleonics	DH3-500	S635
54	Co-60	50 mCi	N/A	Instruments Inc.	200	209
55	Co-60	100 mCi	N/A	Instruments Inc.	200	222
56	Co-60	50 mCi	N/A	Instruments Inc.	200	225
57	Cs-137	200 mCi	K-916	Kay Ray	7050	2832
58	Cs-137	3000 mCi	60695	Ohmart	HM-8	60695
59	Cs-137	500 mCi	61089	Ohmart	HM-8	61089
60	Cs-137	500 mCi	61090	Ohmart	HM-8	61090
61	Cs-137	500 mCi	61091	Ohmart	HM-8	61091
62	Cs-137	3000 mCi	61122	Ohmart	HM-8	61122
63	Cs-137	3000 mCi	61123	Ohmart	HM-8	61123
64	Cs-137	3000 mCi	61124	Ohmart	HM-8	61124
65	Cs-137	500 mCi	62821	Ohmart	HM-8	62821
66	Cs-137	500 mCi	62872	Ohmart	HM-8	62872
67	Cs-137	100 mCi	63583	Ohmart	ED-6	63583
68	Cs-137	100 mCi	65010	Ohmart	ED-6	65010
69	Cs-137	50 mCi	67828	Ohmart	ED-4	67828
70	Cs-137	1000 mCi	B-92	Texas Nuclear	5183	45
71	Cs-137	1000 mCi	G-77	Texas Nuclear	5183	46
72	Cs-137	1000 mCi	B-93	Texas Nuclear	5183	47
73	Cs-137	100 mCi	MB-917	Texas Nuclear	5190	B3075
74	Cs-137	100 mCi	MB-1441	Texas Nuclear	5190	B3267
75	Cs-137	100 mCi	MB-1582	Texas Nuclear	5190	B3268
76	Cs-137	2000 mCi	SA-407	Texas Nuclear	5193	B518
77	Cs-137	2000 mCi	MA-1974	Texas Nuclear	5193	B519
78	Cs-137	2000 mCi	MA-1971	Texas Nuclear	5193	B520
79	Cs-137	2000 mCi	MA-1979	Texas Nuclear	5193	B521
80	Cs-137	2000 mCi	MA-1975	Texas Nuclear	5193	B522
81	Cs-137	2000 mCi	MA-1976	Texas Nuclear	5193	B523

LOCATION AND INVENTORY OF SOURCE DEVICES

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
1	LOCATION	STORAGE			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 9013			
	Mc.	50			
	SOURCE	CS 137			
2	LOCATION	MILK OF LIME (CIRCULATING)			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 9014			
	Mc.	50			
	SOURCE	CS 137			
3	LOCATION	STORAGE			
	MFG.	INSTRUMENTS INC.			
	MODEL	200			
	SERIAL NO.	222			
	Mc.	100			
	SOURCE	COBALT 60			
4	LOCATION	1 TAILINGS THICKENER LINE 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7026			
	Mc.	20			
	SOURCE	CS 137			

SAMPLE NO.	DESCRIPTION		LOCATION	SHUTTER CONDITION	CONDITION OF LABELS & SIGNS
5	LOCATION	1 TAILINGS THICKENER LINE 2			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7064			
	Mc.	20			
	SOURCE	CS 137			
6	LOCATION	2 TAILINGS THICKENER LINE 3			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7067			
	Mc.	20			
	SOURCE	CS 137			
7	LOCATION	2 TAILINGS THICKENER LINE 4			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7054			
	Mc.	20			
	SOURCE	CS 137			
8	LOCATION	3 TAILINGS THICKENER LINE 5			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7055			
	Mc.	20			
	SOURCE	CS 137			
9	LOCATION	3 TAILINGS THICKENER LINE 6			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7062			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
10	LOCATION	DIV A SAND FEED 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7034			
	Mc.	20			
	SOURCE	CS 137			
11	LOCATION	DIV A SAND FEED 2			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7040			
	Mc.	20			
	SOURCE	CS 137			
12	LOCATION	DIV A SAND FEED 3			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7029			
	Mc.	20			
	SOURCE	CS 137			
13	LOCATION	DIV A SAND FEED 4			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7032			
	Mc.	20			
	SOURCE	CS 137			
14	LOCATION	DIV B SAND FEED 5			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7033			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
15	LOCATION	DIV B SAND FEED 6			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7031			
	Mc.	20			
	SOURCE	CS 137			
16	LOCATION	DIV B SAND FEED 7			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7039			
	Mc.	20			
	SOURCE	CS 137			
17	LOCATION	DIV B SAND FEED 8			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7030			
	Mc.	20			
	SOURCE	CS 137			
18	LOCATION	DIV C SAND FEED 9			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7035			
	Mc.	20			
	SOURCE	CS 137			
19	LOCATION	DIV C SAND FEED 10			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7028			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
20	LOCATION	DIV C SAND FEED 11			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7036			
	Mc.	20			
	SOURCE	CS 137			
21	LOCATION	DIV C SAND FEED 12			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7027			
	Mc.	20			
	SOURCE	CS 137			
22	LOCATION	DIV A SLIME FEED 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7049			
	Mc.	20			
	SOURCE	CS 137			
23	LOCATION	DIV A SLIME FEED 2			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7056			
	Mc.	20			
	SOURCE	CS 137			
24	LOCATION	DIV A SLIME FEED 3			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7126			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
25	LOCATION	DIV A SLIME FEED 4			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7045			
	Mc.	20			
	SOURCE	CS 137			
26	LOCATION	DIV A CLEANER 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7069			
	Mc.	20			
	SOURCE	CS 137			
27	LOCATION	DIV A CLEANER 2			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7058			
	Mc.	20			
	SOURCE	CS 137			
28	LOCATION	DIV B SLIME FEED 5			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7051			
	Mc.	20			
	SOURCE	CS 137			
29	LOCATION	DIV B SLIME FEED 6			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7048			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
30	LOCATION	DIV B SLIME FEED 7			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7041			
	Mc.	20			
	SOURCE	CS 137			
31	LOCATION	DIV B SLIME FEED 8			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7044			
	Mc.	20			
	SOURCE	CS 137			
32	LOCATION	DIV B CLEANER FEED 3			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7071			
	Mc.	20			
	SOURCE	CS 137			
33	LOCATION	DIV B CLEANER FEED 4			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7057			
	Mc.	20			
	SOURCE	CS 137			
34	LOCATION	DIV C SLIME FEED 9			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7047			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
35	LOCATION	DIV C SLIME FEED 10			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7052			
	Mc.	20			
	SOURCE	CS 137			
36	LOCATION	DIV C SLIME FEED 11			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7043			
	Mc.	20			
	SOURCE	CS 137			
37	LOCATION	DIV C SLIME FEED 12			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7042			
	Mc.	20			
	SOURCE	CS 137			
38	LOCATION	DIV C CLEANER FEED 5			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7068			
	Mc.	20			
	SOURCE	CS 137			
39	LOCATION	DIV C CLEANER FEED 6			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7059			
	Mc.	20			
	SOURCE	CS 137			

SAMPLE NO.	DESCRIPTION		LOCATION	SHUTTER CONDITION	CONDITION OF LABELS & SIGNS
40	LOCATION	DIV A REGRIND 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7060			
	Mc.	20			
	SOURCE	CS 137			
41	LOCATION	DIV A REGRIND 2			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7070			
	Mc.	20			
	SOURCE	CS 137			
42	LOCATION	DIV B REGRIND 3			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7066			
	Mc.	20			
	SOURCE	CS 137			
43	LOCATION	DIV B REGRIND 4			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7065			
	Mc.	20			
	SOURCE	CS 137			
44	LOCATION	DIV C REGRIND 5			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7061			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
45	LOCATION	DIV C REGRIND 6			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7063			
	Mc.	20			
	SOURCE	CS 137			
46	LOCATION	X-RAY 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	DH 3-500			
	SERIAL NO.	6319331			
	Mc.	SR 90			
	SOURCE	CS 137			
47	LOCATION	X-RAY 2			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	DH 3-500			
	SERIAL NO.	6319332			
	Mc.	500			
	SOURCE	SR 90			
48	LOCATION	DREDGE RETURN (AT TAILINGS PUMPHOUSE)			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7008			
	Mc.	20			
	SOURCE	CS 137			
49	LOCATION	FINAL CONC THICKENER LINE 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7001			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
50	LOCATION	FINAL CONC. THICKENER LINE 2			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7015			
	Mc.	20			
	SOURCE	CS 137			
51	LOCATION	FINAL CONC THICKENER LINE 3			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7009			
	Mc.	20			
	SOURCE	CS 137			
52	LOCATION	FINAL CONC THICKENER LINE 4			
	MFG.	KAY RAY, INC.			
	MODEL	7050			
	SERIAL NO.	2832			
	Mc.	200			
	SOURCE	CS 137			
53	LOCATION	STOCKPILE HIGH LEVEL			
	MFG.	OHMART CORP.			
	MODEL	HM 8			
	SERIAL NO.	62871			
	Mc.	500			
	SOURCE	CS 137			
54	LOCATION	DIV A CONC SPIGOT 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7024			
	Mc.	20			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
55	LOCATION	DIV B CONC SPIGOT 1			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7023			
	Mc.	20			
	SOURCE	CS 137			
56	LOCATION	3-7 JUNCTION (LOWER)			
	MFG.	NUCLEAR CHICAGO			
	MODEL	5183			
	SERIAL NO.	47			
	Mc.	1000			
	SOURCE	CS 137			
57	LOCATION	STORAGE			
	MFG.	INSTRUMENTS INC.			
	MODEL	200			
	SERIAL NO.	209			
	Mc.	50			
	SOURCE	COBALT 60			
58	LOCATION	STORAGE			
	MFG.	INDUSTRIAL NUCLEONICS CORP.			
	MODEL	SH 301			
	SERIAL NO.	CS 7157			
	Mc.	20			
	SOURCE	CS 137			
59	LOCATION	STORAGE			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	62872			
	Mc.	500			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
60	LOCATION	CRUSHER (MANG FEEDER HOPPER/BOTTOM)			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	61123			
	Mc.	3000			
	SOURCE	CS 137			
61	LOCATION	CRUSHER (MANG FEED HOPPER/TOP)			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	61122			
	Mc.	3000			
	SOURCE	CS 137			
62	LOCATION	CRUSHER (COARSE ORE HOPPER/TOP)			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	61124			
	Mc.	3000			
	SOURCE	CS 137			
63	LOCATION	CRUSHER (COARSE ORE HOPPER/BOTTOM)			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	60695			
	Mc.	3000			
	SOURCE	CS 137			
64	LOCATION	STORAGE			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	61091			
	Mc.	500			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
65	LOCATION	CRUSHER (VARI-SPEED VIB. FEEDER UNIT 11)			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	61090			
	Mc.	500			
	SOURCE	CS 137			
66	LOCATION	CRUSHER (DISCHARGE 1A BELT)			
	MFG.	OHMART			
	MODEL	HM 8			
	SERIAL NO.	61089			
	Mc.	500			
	SOURCE	CS 137			
67	LOCATION	1 COARSE ORE BIN 1/4 LEVEL			
	MFG.	TEXAS NUCLEAR			
	MODEL	5193			
	SERIAL NO.	B 518			
	Mc.	2000			
	SOURCE	CS 137			
68	LOCATION	2 COARSE ORE BIN 1/4 LEVEL			
	MFG.	TEXAS NUCLEAR			
	MODEL	5193			
	SERIAL NO.	B 523			
	Mc.	2000			
	SOURCE	CS 137			
69	LOCATION	3 COARSE ORE BIN 1/4 LEVEL			
	MFG.	TEXAS NUCLEAR			
	MODEL	5193			
	SERIAL NO.	B 522			
	Mc.	2000			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
70	LOCATION	6 COARSE ORE BIN 1/4 LEVEL			
	MFG.	TEXAS NUCLEAR			
	MODEL	5193			
	SERIAL NO.	B 520			
	Mc.	2000			
	SOURCE	CS 137			
71	LOCATION	1 SURGE BIN 1/4 LEVEL			
	MFG.	TEXAS NUCLEAR			
	MODEL	5193			
	SERIAL NO.	B 519			
	Mc.	2000			
	SOURCE	CS 137			
72	LOCATION	2 SURGE BIN 1/4 LEVEL			
	MFG.	NUCLEAR CHICAGO			
	MODEL	5183			
	SERIAL NO.	45			
	Mc.	1000			
	SOURCE	CS 137			
73	LOCATION	3 SURGE BIN 1/4 LEVEL			
	MFG.	TEXAS NUCLEAR			
	MODEL	5193			
	SERIAL NO.	B 521			
	Mc.	2000			
	SOURCE	CS 137			
74	LOCATION	DIV C CONC SPIGOT #1			
	MFG.	OHMART			
	MODEL	EDG			
	SERIAL NO.	63583			
	Mc.	100			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
75	LOCATION	STORAGE			
	MFG.	NUCLEAR CHICAGO			
	MODEL	5183			
	SERIAL NO.	46			
	Mc.	1000			
	SOURCE	CS 137			
76	LOCATION	STORAGE			
	MFG.	INSTRUMENTS, INC.			
	MODEL	200			
	SERIAL NO.	225			
	Mc.	50			
	SOURCE	CABOLT 60			
77	LOCATION	MOLY PLANT NEW FEED			
	MFG.	TEXAS NUCLEAR			
	MODEL	5190			
	SERIAL NO.	B 3075			
	Mc.	100			
	SOURCE	CS 137			
78	LOCATION	MOLY PLANT, 2 THICKENER DISCHARGE			
	MFG.	OHMART			
	MODEL	ED 4			
	SERIAL NO.	67828			
	Mc.	50			
	SOURCE	CS 137			
79	LOCATION	LIME SLAKER NORTH SLURRY			
	MFG.	TEXAS NUCLEAR			
	MODEL	5190			
	SERIAL NO.	B 3267			
	Mc.	100			
	SOURCE	CS 137			

<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>		<u>LOCATION</u>	<u>SHUTTER CONDITION</u>	<u>CONDITION OF LABELS & SIGNS</u>
80	LOCATION	LIME SLAKER SOUTH SLURRY			
	MFG.	TEXAS NUCLEAR			
	MODEL	5190			
	SERIAL NO.	B 3268			
	Mc.	100			
	SOURCE	CS 137			
81	LOCATION	FINAL CONC. THICKENER 1, LINE 1			
	MFG.	OHMART			
	MODEL	ED 6			
	SERIAL NO.	65010			
	Mc.	100			
	SOURCE	CS 137			

These sources are not exposed to high temperature corrosive atmosphere or vibrations exceeding the manufacturer's recommendations.