

A FAX MESSAGE FROM:

U.S. STEEL CO.; a unit of USX CORP.  
Minnesota Ore Operations, Mt. Iron, MN

from the office of: DANNY THOREN DATE: 9/14/01

FAX NUMBER: 218-749-7311 PHONE NUMBER: 218-749-7545

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to the office of: DEBBIE PISKURA

COMPANY: NRC

FAX NUMBER: 630-829-9867 PHONE NUMBER: \_\_\_\_\_

\* \* \* \* \*

DEB: ATTACHED IS THE INFO YOU REQUESTED

- 1. 8 LEAK TEST RESULTS (LATEST)
- 2. LATEST AUDIT REPORT
- 3. DOCUMENTATION FOR TRANSFER OF OWNERSHIP  
OF THE Fe-55/Cm-244 SOURCES.

DANNY



## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	B110
Model:	5174	Activity:	500 mCi
Isotope:	Cs-137	Wipe Taken:	7/16/01
Source Serial No.:	MC-0913	Location:	132-10-1
Inventory:	0169		

Result:  Positive  Negative      Sensitivity:  $< 5.4E-4 \mu\text{Ci}$

A handwritten signature in cursive script, appearing to read 'G. Leavitt', is written over the page.

This should be maintained as a permanent record of the leak test of this product.



## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	B108
Model:	5174	Activity:	500 mCi
Isotope:	Cs-137	Wipe Taken:	7/10/01
Source Serial No.:	MC-0904	Location:	132-05-1
Inventory:	0161		

Result:  Positive  Negative      Sensitivity:  $< 5.4E-4 \mu\text{Ci}$

A handwritten signature in black ink, appearing to read 'P. Leavitt', is written over the bottom of the certification form.

This should be maintained as a permanent record of the leak test of this product.



## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	B1551
Model:	5191	Activity:	100 mCi
Isotope:	Cs-137	Wipe Taken:	7/21/01
Source Serial No.:	MB-1044	Location:	Conc. Storage
Inventory:	0124		

Result: \_\_\_\_\_ Positive  X  Negative      Sensitivity: < 5.4E-4  $\mu$ Ci

A handwritten signature in cursive script, likely reading 'R. Leveski', is written over the bottom of the certification form.

This should be maintained as a permanent record of the leak test of this product.



## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	B1557
Model:	5191	Activity:	100 mCi
Isotope:	Cs-137	Wipe Taken:	7/16/01
Source Serial No.:	MB-1057	Location:	137-11-1
Inventory:	0111		

Result:  Positive  Negative      Sensitivity: < 5.4E-4  $\mu$ Ci

A handwritten signature in black ink, appearing to read 'R. Leavitt', is written over the page.

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## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	112
Model:	NOLA	Activity:	48.5 Ci
Isotope:	Pu-238-Be	Wipe Taken:	7/31/01
Source Serial No.:	Pu8Be-492	Location:	ST3 NOLA
Inventory:	0100		

Result:  Positive  Negative      Sensitivity:  $< 1.45E-5$   $\mu$ Ci

A handwritten signature in cursive script, likely belonging to a representative of Radiation Technology, Inc., is written over the bottom portion of the certification form.

This should be maintained as a permanent record of the leak test of this product.



## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	B1035
Model:	5191	Activity:	200 mCi
Isotope:	Cs-137	Wipe Taken:	7/17/01
Source Serial No.:	MA-2925	Location:	147-18-1
Inventory:	0081		

Result:  Positive  Negative      Sensitivity:  $< 5.4E-4 \mu\text{Ci}$

A handwritten signature in cursive script, appearing to read 'G. Leveski', is written over the page.

This should be maintained as a permanent record of the leak test of this product.



## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	B1026
Model:	5191	Activity:	200 mCi
Isotope:	Cs-137	Wipe Taken:	7/18/01
Source Serial No.:	MA-2926	Location:	147-13-2
Inventory:	0072		

Result:  Positive  Negative      Sensitivity:  $< 5.4E-4 \mu\text{Ci}$

A handwritten signature in cursive script, appearing to read 'G. L. ...', is written over the page.

This should be maintained as a permanent record of the leak test of this product.





## LEAK TEST CERTIFICATION

This is to certify that the product identified below  
was tested for removable contamination

Customer: US Steel Company  
P O Box 417  
Mountain Iron, MN 55768

Mfg.:	Texas Nuclear	Device Serial No.:	B1025
Model:	5191	Activity:	200 mCi
Isotope:	Cs-137	Wipe Taken:	7/18/01
Source Serial No.:	MA-2907	Location:	147-13-1
Inventory:	0071		

Result:  Positive  Negative      Sensitivity:  $< 5.4E-4 \mu\text{Ci}$

A handwritten signature in black ink, appearing to read 'R. Leavitt', is written over the bottom of the certification form.

This should be maintained as a permanent record of the leak test of this product.

**2001 Internal Radiation Audit @ US Steel Minntac****Audit Date: July 19, 2001****Auditor: Laurie J.R. Potter****Scope of the Audit:****Training****ALARA Policy****Gauge Inspection****Calibration****Corporate Audits****Inventory of Required Documents****Item #1: Training****Reference: 8.0****Discussion:**

Training records were reviewed for new systems repairmen (SR's). All listed SR's had received initial radiation training. Annual refresher radiation training for Minntac personnel was provided in November of 2000.

**Item #2: ALARA****Reference: ALARA (As low as reasonably possible) Policy Statement**

Minntac's written program does not identify how the ALARA Policy Statement will be communicated to visitors. The ALARA policy or reference to it was not listed on Minntac's Hazard Training Program document that is located at Minntac's Gate. This statement is required to inform visitors of the presence of radiation devices and of Minntac's program to keep exposures as low as reasonably achievable.

**Item #3: Gauge Inspection****Reference: 2.3**

Concentrator Step 3 170 density gauges were inspected as well as the Step 3 NOLA room. Status lights were properly functioning and the required model #, serial #, source and activity were identified on each gauge as required.

**Item #4: Calibration****Reference: Appendix VII**

Records of Minntac's gamma survey meters were observed and found to be satisfactory. Instruments were found to be calibrated annually, as required.

**Item #5: Audits****Reference: 9.3**

Annual corporate audits are not being conducted as is specified in the written Policy and Procedures document.

**Radiation Audit cont'd July 19, 2001**

**Item #6: Inventory of Required Documents**

During the audit and in the absence of Minntac's RSO (Radiation Safety Officer), the locations of certain required radiation documents were unknown by Minntac's E & I Management. An inventory referencing the location of required documentation is recommended for future audits. A follow-up audit will be conducted in the fall of 2001 to review these records.



August 30, 1999

Mr. Danny Thoren  
 Radiation Safety Officer  
 U. S. Steel Corporation  
 Minnesota Ore Operations  
 P. O. Box 417  
 Mt. Iron, MN 55768

Dear Mr. Thoren:

This letter is to certify that Radiation Technology, Inc. has taken possession of the radioactive material described below, pursuant to applicable regulations and as authorized by our Texas License Number LO4633.

Mfg.	Model No.	Serial No.	Isotope	Activity	Source Serial	Assay Date	Leak Test Results
OTK	Courier 10	153012	Cm-244	100 mCi	2888LM	12/4/95	< 0.0003 µCi
OTK	Courier 10	153012	Fe-55	30 mCi	6759LG	5/16/95	< 0.0003 µCi
OTK	Courier 10	153011	Cm-244	100 mCi	2213LM	2/28/95	< 0.0003 µCi
OTK	Courier 10	153011	Fe-55	30 mCi	6760LG	5/16/95	< 0.0003 µCi

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

We appreciate your business and hope you will call if we can provide additional information or assistance.

Sincerely,

Radiation Technology, Inc.

A handwritten signature in cursive script that reads 'W. G. (Jack) Hendrick'.

W. G. (Jack) Hendrick  
 Health Physicist

P.O. Box 27637 • Austin, Texas 78755 • (512) 346-7608 • Fax (512) 795-8718  
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