

Nuclear Instrument Services Company  
993 "C" South Santa Fe, PMB 304  
Vista, CA 92083  
State of CA Nuclear License 6511-37  
Telephone & Fax : 760 727 1927  
Email : sj\_foster@hotmail.com

# Nuclear Instrument Services Company

## F A X C O V E R S H E E T

DATE: 18 FEBRUARY, 2000

TO: CHRISTY HERNANDEZ

NUCLEAR REGULATORY COMMISSION

FAX: 817 860 8263

FROM: Stephen J. Foster

PHONE: 760 727 1927 office

760 727 2862 home

FAX: 760 727 1927

Re: Amendment to dates on NRC FORM 241 Submission for 1<sup>st</sup> Half of Year 2000

Number of pages including cover sheet: 4

### Message

Christy,

Please note that NISCO has scheduled to move a Kay-Ray fixed density gage containing Cs137 on Monday 21 February, 2000 and to perform source wipes of several Kay-Ray fixed density gages containing Cs137 on Friday 25 February at the following site per the customer's request:

*RTS Ref #  
000632*

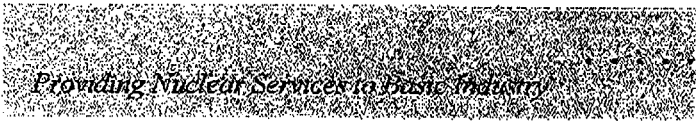
Company	Location	Contact	Date of Work
Cyprus Amax Coal Cannelton, Inc.	Lady Dunn Mine 101 Washington St. East Charleston, WV25301	304 442 5108	2/21/2000 Move Gage 2/25/2000 Source Wipes

I have attached NISCO's revised license with the State of CA authorizing us to now work on the aforementioned fixed gages.

Thanks for your help.

Yours truly,

*Steve Foster*  
Steve Foster



*M. C. Hernandez*

Signature

M. C. Hernandez

Title: Radiation Specialist

Date:

*2/22/00*

NE05  
Copy to RIV

State of California-Health and Welfare Agency

Department of Health Service

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**RADIOACTIVE MATERIAL LICENSE**

Pursuant to the California Code of Regulations, Division 1, Title 17, Chapter 5, Subchapter 4, Group 2, Licensing of Radioactive Material, in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, use, possess, transfer, or dispose of radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the Department of Health Services now or hereafter in effect and to any standard or specific condition specified in this license.

1. Licensee	Nuclear Instrument Services Company	3. License Number	6511-37	Amendment Number :	
2. Address	993 "C" South Sante Fe, Suite 304 Vista, CA 92083	4. Expiration date	August 7, 2005	(5)	
Attention:	Stephen James Foster Radiation Safety Officer	5. Inspection agency	Radiologic Health Branch Brea		

In response to the letter dated February 9, 2000, signed by Steve Foster, License Number 6511-37 is hereby amended as follows:

6. Nuclide	7. Form	8. Possession Limit
A. Californium-252	A. Sealed sources (Amersham Corporation Model CVN.CY6 or Frontier Technology Corp. Model 100 series)	A. As per customer's license.
B. Cesium-137	B. Sealed sources (Amersham Model CDC.704, CDC.705 and Isotope Products Laboratories Model 225)	B. As per customer's license.
C. Cesium-137	C. Sealed sources	C. No single source to exceed the maximum activity specified in the Sealed Source and Device Registry Certificate issued by the U.S. Nuclear Regulatory Commission, Agreement State, or Licensing State and possession limits as stated in the customer's license.

9. Authorized Use

- A.-B. To be used incidental to installation, source replacement, servicing and performing radiation surveys on the following Gamma Metrics Models: All bulk materials elemental analyzers model 2000, all bulk sample elemental analyzers model FastLab Bulk Sample Analyzer, all cross-belt elemental analyzers models CB, C, S, CB-THS, CB-AT, and CB-HI, and all slurry elemental analyzers model 1200SL, and all slurry analyzer model SL Series.
- C. To be used to install, remove, relocate, service, maintain, and conduct leak tests, shutter checks, a radiation surveys of authorized gauges and for the replacement of sources in those gauges. Gauges and sealed sources are those listed in the Sealed Source and Device Registry or specifically approved by the Department of Health Services.

LICENSE CONDITIONS

10. Radioactive materials may be used at temporary job sites of the licensee in areas not under exclusive federal jurisdiction throughout the State of California.

State of California-Health and Welfare Agency

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**RADIOACTIVE MATERIAL LICENSE**License Number: 6511-3

Amendment Number:

11. This license is subject to an annual fee for sources of radioactive material authorized to be possessed at any one time as specified in Items 6, 7, 8 and 9 of this license. The annual fee for this license is required by and computed in accordance with Title 17, California Code of Regulations, Sections 30230-30232 and is also subject to an annual cost-of-living adjustment pursuant to Section 100425 of the California Health and Safety Code.
12. Radioactive material shall be used by the following individuals:
  - (a) Stephen James Foster
  - (b) Larry Taylor
13. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, 8 and 9 of this license in accordance with the statements, representations, and procedures contained in the documents listed below. The Department's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - (a) The application dated April 16, 1998 and letters dated July 24, 1998 and July 31, 1998, all signed by Stephen James Foster, with attachments.
  - (b) The letter dated September 9, 1998, signed by Stephen James Foster, with detailed source exchange procedures
  - (c) The letter dated August 18, 1999, with attachments thereto, signed by Steve Foster, regarding procedure changes including Cs-137, and cross reference of source to devices.
14. The Radiation Safety Officer in this program shall be Stephen James Foster.
15. Quantitative analytical assays for the purpose of tests for leakage and/or contamination of sealed sources shall be performed only by persons specifically authorized to perform that service.
16. The licensee is authorized to perform tests for leakage and/or contamination of sealed sources. The following tests may be performed for sources possessed under this license and as a customer service:
  - (a) Collection of wipe test samples from Gamma Metrics devices containing Californium-252 and Cesium-137 sealed sources.
  - (b) Furnishing leak test kits for Gamma Metrics devices containing sealed sources to customers authorized to use such leak test kits.
  - (c) Furnishing reports on the analysis of materials collected by the licensee as stated in (a) above and materials returned by customers from leak test kits listed in (b) above for the amount of radioactivity. Reports to customers of analysis shall be in microcuries.
17. At any time the licensee is engaged in making measurements by authority of this license at either a permanent or temporary job site, the licensee shall have a current copy of each of the following documents available for inspection at the job site:
  - (a) This license.
  - (b) The manufacturer's or equivalent instructions with appropriate emergency and operational procedures.

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**RADIOACTIVE MATERIAL LICENSE**License Number: 6511-3

Amendment Number:

18. The licensee shall comply with all requirements of Title 17, California Code of Regulations, Section 30373 when transporting or delivering radioactive materials to a carrier for shipment. These requirements include: (packaging marking, labeling, loading, storage, placarding, monitoring, and accident reporting). Shipping papers shall be maintained for inspection pursuant to the U.S. Department of Transportation requirements (Title 49, Code of Federal Regulations, Part 172, Sections 172.200 through 172.204).
19. Before radioactive materials may be used at a temporary job site at any federal facility, the jurisdictional status of the job site must be determined. If the jurisdictional status is unknown, the federal agency should be contacted to determine if the job site is under exclusive federal jurisdiction. A response shall be obtained in writing or a record made of the name and title of the person at the federal agency who provided the determination and the date that was provided. Authorization for use of radioactive materials at the job sites under exclusive federal jurisdiction shall be obtained either by:
- (a) Filing an NRC Form-241 in accordance with the Code of Federal Regulations, Title 10, Part 150.20 (b) "Recognition of Agreement State Licenses", or
  - (b) By applying for a specific NRC license.
- Before radioactive material can be used at a temporary job site in another State, authorization shall be obtained from the State if it is an Agreement State, or from the NRC for any non-Agreement State, either by filing for reciprocity or applying for a specific license.
20. The licensee shall not perform any authorized service without drawings and procedures for the system adequate for the undertaking. Such drawings and procedures together with a service log shall be maintained and subject to inspection. The service log entries shall include the name, address, and license number (if applicable) of customers and shall further specify the make and model number of the gauge system and fully describe the nature of the service undertaken.
21. Each time the licensee installs, relocates, or repairs a non-portable gauging device, the licensee shall make a record of the radiation pattern of the device and deliver a copy to the customer for the customer's records. Each radiation pattern shall be determined by use of an instrument which has been calibrated within six months.
22. A copy of this license and a copy of all records and documents pertaining to this license shall be maintained available for inspection at 2137 Lakeside Road, Vista, CA.

For the State Department of Health Services

Date: February 11, 2000By: 

Radiologic Health Branch

P.O. Box 942732-MS 178, Sacramento, CA 94234-7320

