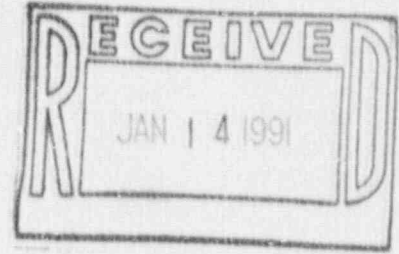


**FRONTIER**  
PRODUCTION LOGGING, INC.  
P.O. Box 2778      Cody, Wyoming 82414  
(307) 587-5995



January 7, 1991

U.S.N.R.C.  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

ATT: A. Bill Beach, Director

License: 49-21384-01  
Docket: 030-20586/90-01

Dear Mr. Beach,

In reply to your letter dated December 24, 1990 regarding our response to Violation of 3.b; Frontier Production Logging states the following....

1. Frontier Production Logging was in violation due to a different shipping paper being used that did not include transport index.
2. Frontier Production Logging has changed shipping paper to include transport index, Frontier's name, address, and telephone number.
3. Frontier Production Logging will, from now on, use only DOT and NRC approved shipping papers to meet compliances.
4. Frontier Production Logging changed to new shipping papers on Oct. 1, 1990; and should be in full compliance since that date. Copy of shipping paper enclosed.

Sincerely,

A handwritten signature in cursive script that reads "W. Bram Lasseter".

W. Bram Lasseter  
President

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REG4 LIC30  
49-21384-01 PDR

WBL/sw  
encl/shipping paper

91-013

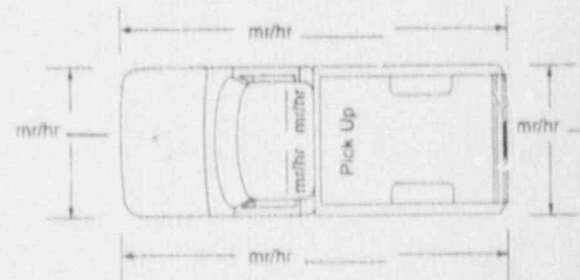
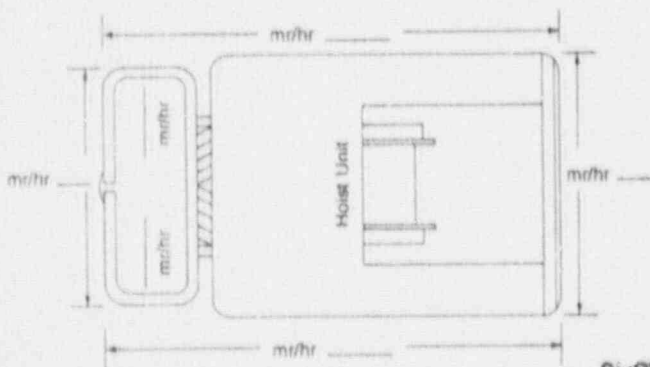
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SHIPPING PAPER FOR RADIOACTIVE MATERIALS

DEPARTING LOCATION		VEHICLE UNIT NUMBER			SERVICE ORDER NUMBER			
DESCRIPTION OF CONTENTS					PACKAGE			
PROPER SHIPPING NAME		IDENTIFICATION NUMBER	RADIONUCLIDE	FORM	ACTIVITY	CATEGORY	TRANSPORT INDEX	TYPE
REFERENCE TITLE 49	CFR PART 172	TABLE 172.101	NAME OR SYMBOL OF PRINCIPAL RADIOACTIVE CONTENT	CHEMICAL AND/OR PHYSICAL STATE (GAS/ LIQUID/SOLID/ SPECIAL FORM)	NUMBER OF CURIES, MILLICURIES, OR MICROCURIES	I-WHITE OR II-YELLOW OR III-YELLOW LABEL	FOR YELLOW LABEL CATEGORIES ONLY	TYPE A OR TYPE B
RADIOACTIVE MATERIAL		UN-						
RADIOACTIVE MATERIAL		UN-						
RADIOACTIVE MATERIAL		UN-						
RADIOACTIVE MATERIAL		UN-						
RADIOACTIVE MATERIAL		UN-						
RADIOACTIVE MATERIAL		UN-						

VEHICLE RADIATION SURVEY

1. Indicate each source location with an "X".
2. Measure and record radiation level at front, rear, both sides and all occupied positions.
3. Keep this paper on this vehicle during the transportation of radioactive materials.



SURVEY METER INFORMATION

MANUFACTURER \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_  
 MODEL \_\_\_\_\_ DATE OF LAST CALIBRATION \_\_\_\_\_  
 This is to testify that the above named materials are properly classified, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.  
 SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
 RADIOLOGICAL SUPERVISOR

ATLAS WIRELINE SERVICES SOURCE TYPE	PROPER SHIPPING NAME	I.D. NUMBER	RADIO-NUCLIDE	FORM	ACTIVITY	CATEGORY OF LABEL	RANGE OF TRANSPORT INDEX	TYPE
S17S20	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	18 Ci	Yellow III	70 - 80 TI = 2.8 x gamma	A
S17R5	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	4.5 Ci	Yellow III	45 - 55 TI = 12 x gamma	A
S17C04 or S17B04	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	400 mCi	Yellow III	15 - 25 TI = 5.6 x gamma	A
S17G75	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	75 mCi	Note 1	Note 2 TI = 3.5 x gamma	A
S17L150	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	150 mCi	Note 1	Note 2 TI = 3.5 x gamma	A
S3T20 or S3E20	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	2 Ci	Yellow III	15 - 25	A
S3T30	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	3 Ci	Yellow III	2.5 - 35	A
S3W025	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	25 mCi	Yellow II	0.2 - 0.3	A
S3M001	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	100 mCi	Yellow II	0.2 - 0.3	A
S2K	Radioactive Material, N.O.S.	UN-2982	Ra-226	Solid	2.5 µCi	Note 3	Note 2	A
S17A1	Radioactive Material, N.O.S.	UN-2982	Am-241	Solid	0.5 mCi	Note 1	Note 2	A
S3J	Radioactive Material, N.O.S.	UN-2982	Cs-137	Solid	10 µCi	Note 1	Note 2	A
TH-228	Radioactive Material, N.O.S.	UN-2982	Th-228	Solid	10 µCi	Note 1	Note 2	A
Tracer Material	Radioactive Material, N.O.S.	UN-2982	I-131 Co-60 Ir-192	Liquid or Solid	Note 4	Note 1	Note 2	A
2750 or 4703	Radioactive Material, Limited Quantity, N.O.S.	UN-2910	H-3	Special Form	20 Ci	None Note 5	N/A	N/A
4701	Radioactive Material, Limited Quantity, N.O.S.	UN-2910	H-3	Special Form	10 Ci	None Note 5	N/A	N/A
Spectralog Calibrator	Radioactive Material, Limited Quantity, N.O.S.	UN-2910	K-40 U-238 and Th-232	Solid	Less than 50 µCi	None Note 5	N/A	N/A
1945	Radioactive Material, Articles Manufactured from Natural or Depleted Uranium or Natural Thorium	UN-2909	Depleted Uranium	Solid	Less than 0.711% by weight U-235	None Note 6	N/A N/A	N/A N/A
Empty Container	Radioactive Material, Empty Package	UN-2908	N/A	N/A	N/A	Empty	N/A	N/A

**NOTE 1:** Labels required will depend on radiation at surface of package and transport index.

**NOTE 2:** Transport index will depend on packaging.

**NOTE 3:** Requires Yellow II when transported in the aluminum frame (TI = 0.1 - 0.2). When shipped disassembled, see Notes 1 & 2.

**NOTE 4:** Actual activity of material transported.

**NOTE 5:** Notice in the package must include Atlas Wireline Services, Houston, TX" and the statement "This package conforms to the conditions and limitations specified in 49 CFR 173.421 for excepted radioactive materials, limited quantity, N.O.S., UN-2910.

**NOTE 6:** Notice in the package must include "Atlas Wireline Services, Houston, TX" and the statement "This package conforms to the conditions and limitations specified in 49 CFR 173.424 for excepted radioactive materials, articles manufactured from natural or depleted uranium or natural thorium, UN-2909.

**WHITE I:** Does not exceed 0.5 mrem at any point on the surface of the package.

**YELLOW II:** More than 0.5 mrem but no more than 50 mrem on the surface of the package and TI does not exceed 1.

**YELLOW III:** More than 50 mrem on the surface of the package or TI exceeds 1.

**Transport Index (TI):** Radiation level in mrem 1 meter from highest radiation area on the surface of the

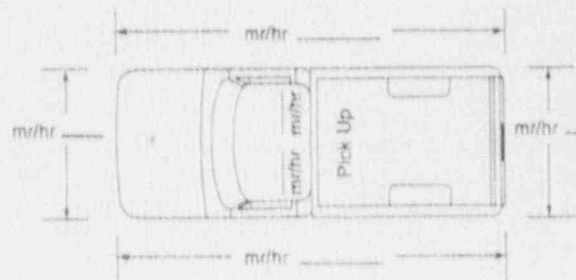
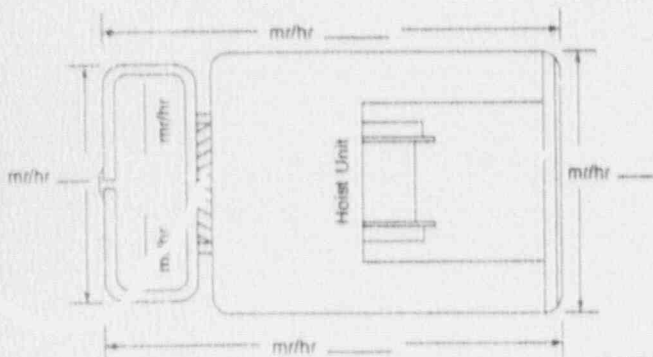
From Production Logging  
 PO BOX #778  
 2121 Sheridan Ave. #3  
 Cody, WY 82414  
 (307) 587-5995

**SHIPPING PAPER FOR RADIOACTIVE MATERIALS**

DEPARTING LOCATION		VEHICLE UNIT NUMBER			SERVICE ORDER NUMBER			
DESCRIPTION OF CONTENTS						PACKAGE		
PROPER SHIPPING NAME		IDENTIFICATION NUMBER	RADIONUCLIDE	FORM	ACTIVITY	CATEGORY	TRANSPORT INDEX	TYPE
REFERENCE TITLE 49	CFR PART 172	TABLE 172.101	NAME OR SYMBOL OF PRINCIPAL RADIOACTIVE CONTENT	CHEMICAL AND/OR PHYSICAL STATE (GAS/LIQUID/SOLID/SPECIAL FORM)	NUMBER OF CURIES, MILLICURIES, OR MICROCURIES	I-WHITE OR II-YELLOW OR III-YELLOW LABEL	FOR YELLOW LABEL CATEGORIES ONLY	TYPE A OR TYPE B
RADIOACTIVE MATERIAL.		UN-						
RADIOACTIVE MATERIAL.		UN-						
RADIOACTIVE MATERIAL.		UN-						
RADIOACTIVE MATERIAL.		UN-						
RADIOACTIVE MATERIAL.		UN-						
RADIOACTIVE MATERIAL.		UN-						
RADIOACTIVE MATERIAL.		UN-						

**VEHICLE RADIATION SURVEY**

1. Indicate each source location with an "X".
2. Measure and record radiation level at front, rear, both sides and all occupied positions.
3. Keep this paper on this vehicle during the transportation of radioactive materials.



**SURVEY METER INFORMATION**

MANUFACTURER \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_

MODEL \_\_\_\_\_ DATE OF LAST CALIBRATION \_\_\_\_\_

This is to testify that the above named materials are properly classified, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

RADIOLOGICAL SUPERVISOR

ATLAS WIRELINE SERVICES SOURCE TYPE	PROPER SHIPPING NAME	I.D. NUMBER	RADIO-NUCLIDE	FORM	ACTIVITY	CATEGORY OF LABEL	RANGE OF TRANSPORT INDEX	TYPE
S17S20	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	18 Ci	Yellow III	7.0 - 8.0 TI = 2.8 x gamma	A
S17R5	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	4.5 Ci	Yellow III	4.5 - 5.5 TI = 12 x gamma	A
S17C04 or S17B04	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	400 mCi	Yellow III	1.5 - 2.5 TI = 5.6 x gamma	A
S17L075	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	75 mCi	Note 1	Note 2 TI = 3.5 x gamma	A
S17L150	Radioactive Material, Special Form, N.O.S.	UN-2974	Am-241	Special Form	150 mCi	Note 1	Note 2 TI = 3.5 x gamma	A
S3T20 or S3E20	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	2 Ci	Yellow III	1.5 - 2.5	A
S3T30	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	3 Ci	Yellow III	2.5 - 3.5	A
S3W025	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	25 mCi	Yellow II	0.2 - 0.3	A
S3M001	Radioactive Material, Special Form, N.O.S.	UN-2974	Cs-137	Special Form	100 mCi	Yellow II	0.2 - 0.3	A
S2K	Radioactive Material, N.O.S.	UN-2982	Ra-226	Solid	2.5 µCi	Note 3	Note 2	A
S17A1	Radioactive Material, N.O.S.	UN-2982	Am-241	Solid	0.5 mCi	Note 1	Note 2	A
S3J	Radioactive Material, N.O.S.	UN-2982	Cs-137	Solid	10 µCi	Note 1	Note 2	A
TH-228	Radioactive Material, N.O.S.	UN-2982	Th-228	Solid	10 µCi	Note 1	Note 2	A
Tracer Material	Radioactive Material, N.O.S.	UN-2982	I-131 Co-60 Ir-192	Liquid or Solid	Note 4	Note 1	Note 2	A
2750 or 4703	Radioactive Material, Limited Quantity, N.O.S.	UN-2910	H-3	Special Form	20 Ci	None Note 5	N/A	N/A
4701	Radioactive Material, Limited Quantity, N.O.S.	UN-2910	H-3	Special Form	10 Ci	None Note 5	N/A	N/A
Spectralog Calibrator	Radioactive Material, Limited Quantity, N.O.S.	UN-2910	K-40 U-238 and Th-232	Solid	Less than 50 µCi	None Note 5	N/A	N/A
1945	Radioactive Material, Articles Manufactured from Natural or Depleted Uranium or Natural Thorium	UN-2909	Depleted Uranium	Solid	Less than 0.711% by weight U-235	None Note 6	N/A N/A	N/A N/A
Empty Container	Radioactive Material, Empty Package	UN-2908	N/A	N/A	N/A	Empty	N/A	N/A

**NOTE 1:** Labels required will depend on radiation at surface of package and transport index.

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**Transport Index (TI):** Radiation level in mrem 1 meter from highest radiation area on the surface of the