

**PIPE SYSTEMS**

September 7, 1995

DL-090795-01

Connex Pipe Systems, Inc.  
One Connex Way  
Troutville  
Virginia 24175  
Phone: 703-892-1880  
Fax: 703-892-8180

U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N.W.  
Suite 2900  
Atlanta, Georgia 30323

**Attention: Mr. David Collins**  
**Subject: License Amendment**  
**Reference: License Number 45-26591-01**

Dear Mr. Collins:

Please find the enclosed check for \$700.00 for an amendment request for our Material License 45-26591-01.

I would like to amend our Material License to include the use of Amersham 660 Series and Amersham 741 Series Exposure Devices (Posi-Locks).

I would also like to submit the attached survey of our Low Pressure Bay Radiograph Cell (Shop 1) taken while the CO60 source was being utilized in the High Pressure Bay Radiograph Cell. I believe, with the low readings taken, radiography is possible in both cells at the same time.

By copy of this letter, I request amending our material license to perform radiography simultaneously in Shop #1 and 2 while using CO60 in Shop #2 when material thickness of item to be radiographed is equal to or exceeds 2 inches.

Sincerely,

A handwritten signature in cursive script that reads "Ralph E. Nodes".

Ralph E. Nodes  
Radiation Safety Officer

REN/aew

Attachment

cc: Don J. Leininger, Vice President of Operations

256593

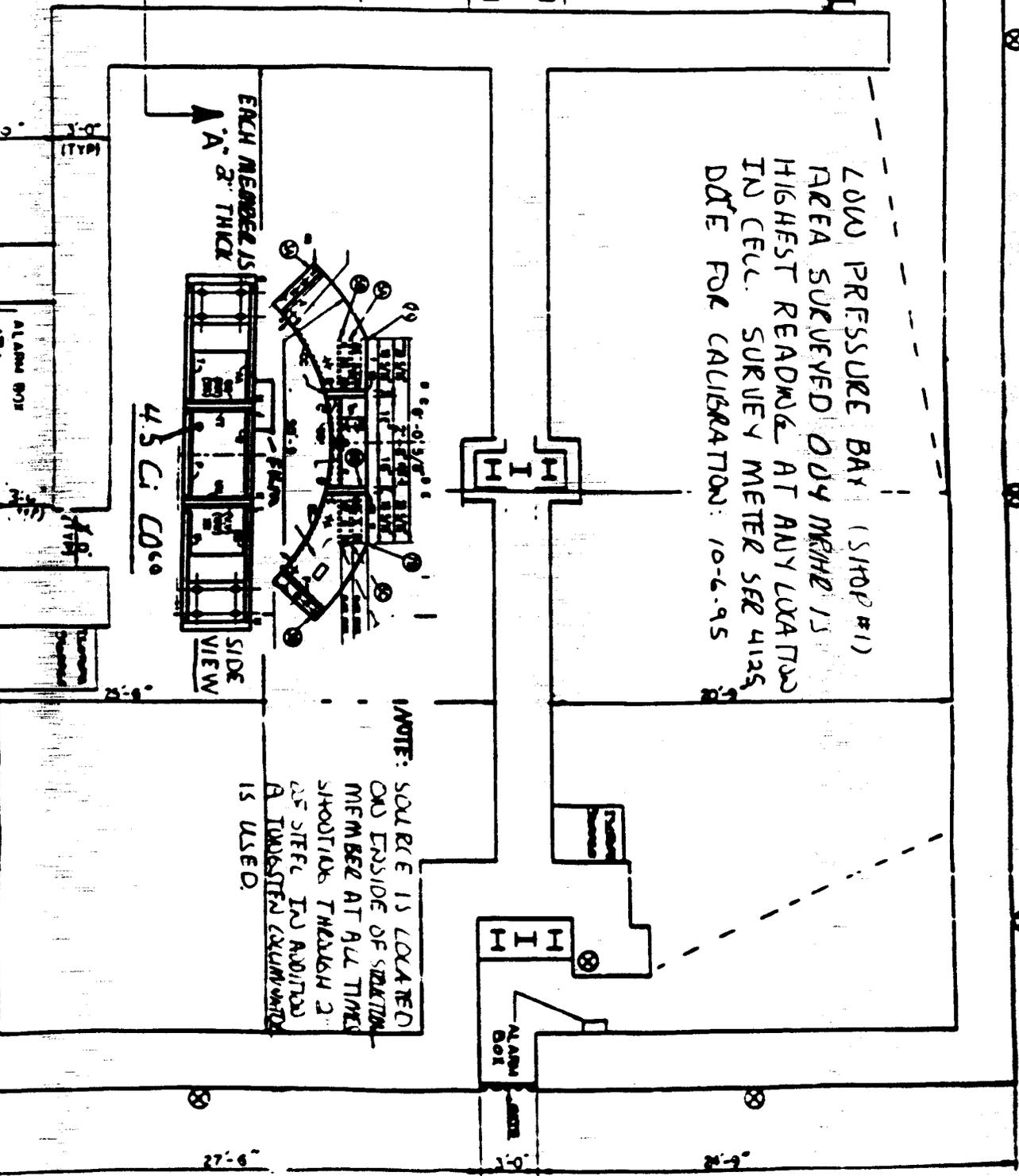
LOW PRESSURE BAY (SHOP #1)  
 AREA SURVEYED ONLY MEMBER IS  
 HIGHEST READING AT ANY LOCATION  
 IN CELL. SURVEY METER SEE 4125,  
 DATE FOR CALIBRATION: 10-6-95

EACH MEMBER IS  
 1/4" 3" THICK

4.5 Ci Cs-137

SIDE  
 VIEW

NOTE: SOURCE IS LOCATED  
 OUT INSIDE OF SHIELDING  
 MEMBER AT ALL TIMES  
 SHOOTING THROUGH 2"  
 CS STEEL IN ADDITION  
 A THICKENED CONCRETE  
 IS USED.



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**OFFICIAL COPY**

**MATERIALS LICENSE**

Amendment No. 01

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below, to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		3. License Number	45-26591-01
1.	Connex Pipe Systems, Inc.	4. Expiration Date	September 30, 1999
2.	One Connex Way Troutville, Virginia 24175	5. Docket or Reference No.	030-33587 (34-00850-02)

6. Byproduct, source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Iridium 192	A. Sealed radiography source contained in a source assembly registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation	A. Not to exceed 1.11 terabecquerels (30 curies) per source (See Condition No. 13)
B. Cobalt 60	B. Sealed radiography source contained in a source assembly registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation	B. Not to exceed 185 gigabecquerels (5 curies) per source (See Condition No. 13)
C. Uranium (depleted in U-235)	C. Metal shielding material	C. Not to exceed 999 kilograms

9. Authorized use:

- A. For use in a compatible gamma radiography exposure device registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for performing industrial radiography and in a compatible source changer (shipping container) registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for source storage and exchange
- B. For use in a compatible gamma radiography exposure device registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for performing industrial radiography
- C. For use as shielding in radiography exposure devices and source changers (shipping containers)

9510130283 950919  
PDR ADOCK 03033587  
C PDR

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

45-26891-01

Docket or Reference Number

030-33587 (34-00850-02)

Amendment

01

**CONDITIONS**

10. Licensed material may be used at the licensee's facilities located at One Connex Way, Troutville, Virginia.
11. The Radiation Protection Officer for this license is Ralph E. Nodes.
12. Licensed material shall be used by, or under the supervision and in the physical presence of, Douglas Walker, Thomas R. Smith, Dennis Morrow, Ralph E. Nodes, or, individuals who have been trained and certified according to the following criteria:
  - A. As specified in the application dated October 22, 1992 and the letter dated March 11, 1993.
  - B. The provisions of 10 CFR 34.31.
13. The licensee is authorized to receive, possess, and use sealed sources of iridium-192 or cobalt-60 where the radioactivity exceeds the maximum amount of radioactivity specified in this license provided:
  - A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for iridium 192 or 10% for cobalt 60;
  - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in this license was ordered from the supplier or transferor of the byproduct material; and
  - C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 10 CFR 34.21.
14.
  - A. Notwithstanding the periodic leak test required by of Section 34.25(b) of 10 CFR Part 34, such requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage before use or transfer to another person.
  - B. Sealed sources authorized for a use other than radiography shall be tested as radiography sources in accordance with 10 CFR Part 34.25.
15. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71 "Packaging and Transportation of Radioactive Material"
16. Sealed sources containing licensed material shall not be opened by the licensee.
17. The licensee shall use collimators when conducting radiographic operations.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

45-26591-01

Docket or Reference Number

030-33587 (34-00850-02)

Amendment

01

(continued)

CONDITIONS

- 18. Prior to radiographic operations with a source larger than any previously used, conduct a confirmatory radiation survey of the unrestricted areas external to each cell.
- 19. The licensee shall maintain records of information important to safe and effective decommissioning at the location in Condition 10, pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
- 20. In addition to the possession limits in Item 8 and Condition 14, the licensee shall further restrict the possession of licensed material to quantities below the minimum specified 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Renewal application dated October 22, 1992.
  - B. Letters dated:
    - 1. March 11, 1993 (excluding all references to "Planned Special Exposures") [additional renewal information]
    - 2. September 15, 1993 [VA facility construction]
    - 3. November 22, 1993 [VA facility construction]
    - 4. November 30, 1993 [VA, ca wall RWP, Gamma Alarm]
    - 5. December 6, 1993 [VA confirmatory surveys]
    - 6. December 9, 1993 [VA added survey information]
    - 7. January 21, 1994 [VA added surveys]
    - 8. January 25, 1994 [VA facility limit operations]
    - 9. February 15, 1994 [Radiography area, VA bldg]
    - 10. June 13, 1994 [Move to Virginia, additional cell]
    - 11. September 27, 1994 [Radiography area survey, stainless steel]
    - 12. September 7, 1995 [New radiography cell survey results and operating procedures]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JOHN M. PECHAL

Date

SEP 19 1995

By

Region II, Nuclear Materials Licensing Section  
101 Marietta Street, N.W., Suite 2900  
Atlanta, Georgia 30333

NRC LICENSE # 45-26591-001

(FOR LPMS USE)  
INFORMATION FROM LTS

**BETWEEN:**

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

Program Code: 03310  
Status Code: 0  
Fee Category: 10000930  
Exp. Date: 19990930  
Fee Comments:  
Locom Fin Assur Regd: N

**LICENSE FEE TRANSMITTAL**

**A. REGION**

**1. APPLICATION ATTACHED**

Applicant/Licensee: CONNEX PIPE SYSTEMS INCORPORATED  
Received Date: 950908  
Docket No.: 3033587  
Control No.: 256593  
License No.: 45-26591-01  
Action Type: Amendment

**2. FEE ATTACHED**

Amount: \_\_\_\_\_  
Check No.: \_\_\_\_\_

**3. COMMENTS**

Signed \_\_\_\_\_  
Date \_\_\_\_\_

**B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / /)**

1. Fee Category and Amount: \_\_\_\_\_
2. Correct fee Paid. Application may be processed for:  
Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_
3. OTHER \_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_

Log	_____
Remitter	_____
Check No.	_____
Amount	_____
Fee Category	_____
Type of Fee	_____
Date Check Rec'd.	_____
Date Completed	_____
By:	_____