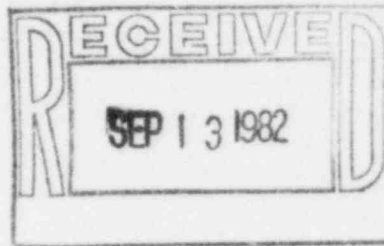




DRESSER INDUSTRIES, INC. P. O. BOX 1407, HOUSTON, TEXAS 77001 713/972-6011 TWX: 910-881-3708

September 9, 1982



Mr. Glen D. Brown, Chief
Technical Program Branch
U.S. NRC Region IV
611 Ryan Plaza, Suite 1000
Arlington, Texas 76812

Ref: License #42-02964-01

Subject: Routine Safety Inspection
June 29, 1982

Dear Mr. Brown:

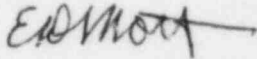
This response is to your attached Notice of Violation dated August 20, 1982.

- Item 1A - An investigation was initiated as soon as the incident was made known. Badges of the involved personnel were processed on an emergency basis. (See Attached Letter Dated May 19, 1982 to Mr. J. G. Keppler.)
- Item 1B - Meetings were held with the appropriate personnel to discuss the proper procedures for removal and handling of sources. (See Sixth Paragraph of the Attached Letter.)
- Item 1B - In compliance at this time
- Item 2A - We respectfully submit that we are not in violation of our license, Condition #18 in that we fail to perform a "Before Log" and "After Log" survey when a source was used at the Olney, Illinois branch office. The intent of Section RP-C1-1 of the Dresser Atlas Radiological Procedures Manual is to insure that no contamination is allowed to exist at any job location that Dresser Atlas services. This survey has always been performed at every job site serviced by Dresser Atlas. Sources have historically been utilized to check and calibrate logging tools at the branch office shop and contamination is a continual concern. Background radiation is maintained as low as reasonably achievable and a radiation monitor has been repositioned in the Shop to alert personnel with a visible and audible alarm, when the radiation level exceed background level.

G.D. Brown
Page 2
Sept. 9, 1982

Thank you for your consideration and please contact me in Houston if you have any questions or require additional information.

Sincerely,



Ed D. Mott
Supervisor
Radiation Safety & Health

EDM:mm

Attachment

cc: Bill Dudley - Field Safety Eng.
N. F. Ruddy - Area Mgr.-Mid Cont.
R. M. Dallmier - District Manager-Olney



DRESSER INDUSTRIES, INC. P. O. BOX 1407, HOUSTON, TEXAS 77001 713/972-6011 TWX: 910-661-3708

May 19, 1982

Mr. J. G. Keppler, Material
Section Chief
U.S. Nuclear Regulatory Commission
Office of Enforcement & Inspection
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Ref: NRC License 42-02964-01
ILL License IL-00112-01

Dear Mr. Keppler:

This letter is the report regarding our telephone call of April 7, 1982, of possible personnel exposure in Olney, Illinois.

On April 5, 1982 our office was notified of an incident in the Dresser Atlas shop in Olney, Illinois involving a 2 curie cesium 137, radioactive source left out of the downhole radiation storage. The source was found on the handling rod on Saturday, April 3, 1982 in the early afternoon by a crew who were checking out a gamma-ray logging tool.

On Monday morning, April 5, 1982 the Manager in Olney called the Area Safety Engineer in Oklahoma City to report the incident. The Safety Engineer then notified my office in Houston and we instructed him to go to Olney to investigate the incident.

Upon arrival, a safety meeting was conducted and all employees were interviewed to determine when the source may have been removed from the storage. New radiation badges were ordered from R.S. Landauer & Co. for replacement. These badges were received and the March badges were taken to Chicago that night. The badges were processed on an emergency basis, and no excessive exposure was found. A copy of this report is included.

The investigation was concluded at the location, and the information gathered from the location personnel indicates that on Friday, April 2, 1982 in the afternoon, this source was removed from the downhole storage to get another source which was on a longer handling rod below it. The shorter

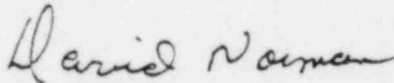
J.G. Keppler
Page 2
May 19, 1982

handling rod and source was placed beside the storage pit while the other source was inserted in its transport container. In the preparation to go to the field for the job, the operator forgot to put the cesium source back into the storage pit. Later that afternoon as everyone was leaving, the shop was straightened up. It is believed that at this time, the handling tool, with source secured to the end, was hung on the wall storage rack. The next day, April 3, 1982, two engineers during calibration of a gamma ray tool outside the shop, detected a higher than normal background count. They used their portable survey meters and discovered the source on the handling tool on the rack. They placed it downhole and notified their District Manager.

A second safety meeting has been held and the radiation incident was discussed at length for probable cause of the situation, and exposure it could have caused. All personnel were instructed in the proper method of source removal and handling procedures. Radiation monitors are in place in the shop which will emit an audible and flashing light warning anytime the level in the shop is above background.

If you require any further information regarding this incident, please contact me at the above address in Houston. Thank you again for your cooperation in this radiation incident.

Sincerely,



David R. Norman
Radiation Safety Supervisor

DRN:mm

Attachment

cc: W. D. Golding
M. H. Sackett
B. D. Dudley
Olney, Illinois Office
NRC Corresp. File
Incident File

APPENDIX A

NOTICE OF VIOLATION

Dresser Industries, Inc.
Dresser Atlas Division

Docket: 30-06402
License: 42-02964-01

As a result of the inspection conducted on June 29, 1982, and in accordance with the NRC Enforcement Policy (10 CFR Part 2, Appendix C), 47 FR 9987 (March 9, 1982), the following violations were identified:

1. License Condition No. 18 requires that licensed material be possessed and used in accordance with statements, representations, and procedures contained in application dated September 30, 1977, and letters dated April 19, 1978, May 10, 1978, October 11, 1978, and January 25, 1979. Section RP-D1-2 of the Radiological Procedures Manual that accompanied the application states that radioactive material will be stored in either approved storage bunkers or downhole storage facilities.

Contrary to this requirement, it was learned through statements of licensee representatives and the NRC inspector's review of records that this requirement was not met. Specifically, from the late afternoon of April 2, 1982, until early morning of April 3, 1982, at the licensee's branch office located in Olney, Illinois, an unshielded nominal 2 curie cesium-137 sealed source was stored in an above ground tool rack, an unauthorized storage area.

This is a Severity Level IV violation (Supplement VI).

2. License Condition No. 18 requires that licensed material be possessed and used in accordance with statements, representations, and procedures contained in application dated September 30, 1977, and letters dated April 19, 1978, May 10, 1978, October 11, 1978, and January 25, 1979. Section RP-C1-1 of the Radiological Procedures Manual that accompanies the application states that on every job the location should be checked for contamination before and after the job. The "After Log" survey should show no increase in background over the "Before Log" survey.

Contrary to this requirement, it was learned through statements of licensee representatives and the NRC inspector's review of records that this requirement was not met. Specifically, on April 2, 1982, the licensee failed to perform a "Before Log" survey, or an "After Log" survey when a nominal 2 curie cesium-137 sealed source was used at a job site located at the licensee's Olney, Illinois, branch office.

This is a Severity Level IV violation (Supplement VI).

Dresser Industries, Inc.

-2-

Pursuant to the provisions of 10 CFR 2.201, Dresser Industries, Inc., is hereby required to submit to this office, within 30 days of the date of this Notice, a written statement or explanation in reply, including:

- (1) the corrective steps which have been taken and the results achieved;
- (2) the corrective steps which will be taken to avoid further violations; and
- (3) the date when full compliance will be achieved.

Consideration may be given to extending your response time for good cause shown.

Dated AUG 20 1982

**INSPECTOR'S REPORT
(Continuation)**
Office of Inspection and Enforcement

DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (13 digits)		REPORT		MODULE NUMBER		VIOLATION SEVERITY OR DEVIATION	SITE RELATED		
0300EFOZ		NO.	SEQ.	577710B				0	VI
			A			1	2		
			B			3	4		
			C			5	6		
			D			X			

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 50 characters each.)

1. _____

2. _____

3. _____

4. License Condition No. 18 requires that licensed material be possessed

5. and used in accordance with statements, representations, and procedures

6. contained in application dated September 30, 1977, and letters dated

7. April 12, 1978, May 10, 1978, October 11, 1978, and January 25, 1979.

8. Section RP-D1-2 of the Radiological Procedures Manual that accompanied

9. the application states that radioactive material will be stored in

10. either approved storage bunkers or downhole storage facilities.

11. _____

12. _____

13. _____

14. _____

15. Contrary to this requirement, it was learned through statements of

16. licensee representatives and the NRC inspector's review of records that

17. this requirement was not met. Specifically, from the late afternoon

18. of April 2, 1982 until early morning of April 3, 1982 at the licensee's

19. Branch Office located in Olney, Illinois, an unshielded nominal 2 curie

20. cesium-137 sealed source was stored in an above ground tool rack, an

21. unauthorized storage area.

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27. This is a Severity Level IV violation (Supplement VI).

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INSPECTOR'S REPORT
 (Continuation)
 Office of Inspection and Enforcement

DOCKET NO (8 digits) OR LICENSE NO (BY PRODUCT) (13 digits)		REPORT		MODULE NUMBER		VI	
03006402		NO	SEQ	57771101B			
		A		VIOLATION SEVERITY OR DEVIATION		SITE RELATED A C B D	
		B		1	2		3
		C					
		D			X		

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 50 characters each.)

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7 and used in accordance with statements, representations, and procedures

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9 April ¹⁹12, 1978, May 10, 1978, October 11, 1978 and January 25, 1979.

10

11 Section RP-C1-1 of the Radiological Procedures Manual that accompanies

12 the application states that on every job the location should be checked

13 for contamination before and after the job. The "After Log" survey

14 should show no increase in background over the "Before Log" survey.

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20 licensee representatives and the NRC inspector's review of records that

21 this requirement was not met. Specifically, on April 2, 1982 the li-

22 censee failed to perform a "Before Log" survey, or an "After Log"

23 survey when a nominal 2 curie cesium-137 sealed source was used at a

24 job site located at the licensee's Olney, Illinois Branch Office.

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29 This is a Severity Level IV violation (Supplement VI).

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