

UNITED STATES ATOMIC ENERGY COMMISSION

COMPLIANCE INSPECTION REPORT

1. Name and address of licensee or permit holder Aloe Scientific Division of A. S. Aloe Co. 5655 Kingsbury St. Louis 12, Missouri			2. Date of inspection January 10, 1958		
			3. Type of inspection Routine		
			4. 10 CFR part(s) applicable 20 and 40		
5. License (or permit) number(s) and expiration date(s)					
Number		Date	Exp. date		
D-267		4-3-57	4-1-58		
6. Scope of license(s) and permit Licensed to receive possession of and title to one hundred and twenty pounds of refined source material during the term of this license for resale and use as an analytical reagent.					
7. Special conditions and limitations of license(s) or permit (1) Licensed to transfer and deliver possession of and title to refined source material to any person licensed by the AEC, within the limits of his license. (2) Required to maintain records of inventories, receipts and transfers of refined source material. (3) License is subject to all provisions of the Atomic Energy Act of 1954 now or hereafter in effect and to all valid rules and regulations of the U. S. Atomic Energy (continued on reverse side)					
8. Inspection findings The source material activities conducted under this license are confined to the distribution of chemical reagents containing varying percentages of refined source materials. All shipments are received in individual sealed containers and are normally redistributed unopened. One container has been opened to put the reagent into solution form and this was accomplished without spillage. There has been no reported breakage. Adequate record keeping and control procedures are in effect. Less than fifty pounds of reagents containing refined source material were received and distributed in 1957.					
9. Items of noncompliance None					
10. Give date of last previous inspection: None					
11. Is "Company Confidential" information contained in this report? No (Specify page(s) and paragraph(s))					
DISTRIBUTION: Division of Inspection Washington, D. C. (2)			Approved by: Donald C. Hubbard H. J. Weiduff Oak Ridge Operations Office (Operations office) January 24, 1958 (Date report prepared)		

If additional space is required for any numbered item above, the continuation may be extended to the reverse of this form using foot to head format, leaving sufficient margin at top for binding, identifying each item by number and noting "Continued" on the face of form under appropriate item.

RECOMMENDATIONS SHOULD BE SET FORTH IN A SEPARATE COVERING MEMORANDUM

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7. Special conditions and limitations of license(s) or permit (continued):

Commission, including 10 CFR 20, "Standards for Protection against Radiation".

- (4) Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954.



DETAILS

12. On January 10, 1958, a compliance inspection was made of the source material activities conducted by Aloe Scientific, St. Louis, Missouri, under License No. D-267.
13. The inspection was conducted by Donald C. Hubbard, Field Representative, Inspection Division, OROO, who was accompanied by Mr. Levan B. Gray, Radiological Health Physicist for the Missouri Division of Health. The only person interviewed during the inspection was the Licensee's Chief Chemist and Purchasing Agent, Mr. G. W. Nebel.
14. Aloe Scientific is a division of the A. S. Aloe Company and is distributor of apparatus and chemicals for use in scientific and industrial laboratories. Home offices are located in St. Louis.
15. The Licensee's source material activities are confined to the distribution of pre-packaged chemical reagents which contain varying percentages of source material. Shipments are obtained in sealed containers from other suppliers with A. D. McKay Co., Baker Co., Fisher Scientific, and Mallinckrodt Chemical Works supplying the bulk of all material received.
16. Containers are not normally opened prior to distribution; however, one container of uranyl-zinc acetate was opened and put into solution form. Approximately two liters of this solution are still on hand. Mr. Nebel stated that loose material probably will not be handled again in the future and that there has been no spillage or breakage to date.
17. Only small amounts of source material are ever on hand at any one time and these are stored in a bookcase behind Mr. Nebel's desk to assure his personal control over the licensed material.
18. Mr. Nebel is familiar with the licensing requirements of 10 CFR 40 and maintains adequate control over all orders received for source material.
19. The following inventory shows the quantities of material received and distributed from January 1, 1957 to January 10, 1958, and the amounts of material on hand at the time of inspection:

<u>Material</u>	<u>Received</u>		<u>On Hand</u>	<u>Distributed</u>	
Th. Nitrate	1	lb.	0	1	lb.
Uranyl Acetate	7 1/2	lbs.	1 1/4 lb.	7 1/2	lbs.
Uranyl Nitrate	26 11/16	lbs.	0	26 11/16	lbs.
Uranium Metal	1	lb.	0	1	lb.
Uranyl-Zinc Acetate	2	lbs.	* ~ 1 1/4 lbs.	* 3/4	lb.

* In solution form

20. The amount of material on hand at any one time in Mr. Nebel's office does not require posting.