

COMPLIANCE INSPECTION REPORT

1. Name and address of licensee Horizons, Inc. Cleveland, Ohio	2. Date of inspection May 13, 1958
	3. Type of inspection Initial
	4. 10 CFR Part(s) applicable 20, 30, and 40

5. License number(s), issue and expiration dates, scope and conditions (including amendments)
- 31-1047-1 2-1-57 2-28-59 Scope: Silver 110, any, 50 millicuries, for measurement of surface diffusion rate of silver on various base metals.
Conditions: #10-Material to be used in Metallurgy Department at address given above. #11-Material to be used by, or under the supervision of, Peter Mataich. #12-To comply with 10 CFR 20.
 - C-3196 4-30-57 5-1-58 Scope: Licensed to receive possession of and title to 100 pounds of uranium and 10000 pounds of thorium during the term of this license for use as described in application. - licensed to transfer and deliver possession of and title to refined source material to anyone licensed by AEC within the limits of his license.
Conditions: #10-Required to maintain records of inventories, receipts and transfers of refined source material. - #11-Subject to all provisions of the Act and all rules of AEC including 10 CFR 20. #12-Neither this license nor any right thereunder to be assigned or otherwise transferred.

Inspection findings (and items of noncompliance)

Horizons, Inc. is a Research and Development Laboratory who contract for industrial research work in ceramics, metallurgy, chemistry, engineering, physics and electronics. This company had contracts with Brookhaven National Laboratory and the Savannah River Plant to recover uranium and thorium by an electrolytic process. Mr. Paul Maybaum, Jr., the Laboratory Director, stated that there is a possibility that more of this work may be procured.

License No. C-3196 - In 1956, in an Industrial Participation Program from Oak Ridge National Laboratory, the company received 100 pounds of uranium magnesium fluoride. The uranium was recovered and returned to Oak Ridge National Laboratory. This was the full extent of the program under this license. However, Mr. Maybaum stated that the license was renewed with the expectation that more of this work would be obtained.

License No. 31-1047-1 - At the time of the inspection, Mr. Mataich, the authorized user, was no longer associated with the company and the necessary information was supplied the inspector by Mr. Maybaum. He stated that the Silver 110 had been used on only two occasions under a government research contract with the Air Force. The Silver 110 was used to find a new method for determining the coefficient of surface diffusion of metals. At the present time only 20 millicuries of Silver 110 are on hand, which Mr. Maybaum plans to return to Oak Ridge for disposal.

Date of last previous inspection None	8. Is "Company Confidential" information contained in this report? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Specify page(s) and paragraph(s))
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CONTRIBUTOR:
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Mr. Marvin M. Mann
Division of Inspection
Washington, D. C. (4 cys)

Approved by:

EJO
Edmund J. Opatka
(Inspector)

Loy C. Hageman, Director
Inspection Division, C-2
(Operations office)

09-131

May 22, 1958
(Date report prepared)

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COMPLIANCE INSPECTION REPORT

1. Name and address of licensee Horizons, Inc. Cleveland, Ohio	2. Date of inspection May 13, 1958 3. Type of inspection Initial 4. 10 CFR Part(s) applicable 20, 30, and 40
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5. License number(s), issue and expiration dates, scope and conditions (including amendments)

34-1947-1 2-1-57 2-28-59 Scope: Silver 110, any, 50 millicuries, for measurement of surface diffusion rate of silver on various base metals.
Conditions: #10-Material to be used in Metallurgy Department at address given above. #11-Material to be used by, or under the supervision of, Peter Mataich. #12-To comply with 10 CFR 20.

C-3496 4-30-57 5-1-58 Scope: Licensed to receive possession of and title to 100 pounds of uranium and 10000 pounds of thorium during the term of this license for use as described in application. - licensed to transfer and deliver possession of and title to refined source material to anyone licensed by AEC within the limits of his license.
Conditions: #10-Required to maintain records of inventories, receipts and transfers of refined source material. - #11-Subject to all provisions of the Act and all rules of AEC including 10 CFR 20. #12-Neither this license nor any right thereunder to be assigned or otherwise transferred.

6. Inspection findings (and items of noncompliance)

Horizons, Inc. is a Research and Development Laboratory who contract for industrial research work in ceramics, metallurgy, chemistry, engineering, physics and electronics. This company had contracts with Brookhaven National Laboratory and the Savannah River Plant to recover uranium and thorium by an electrolytic process. Mr. Paul Maybaum, Jr., the laboratory Director, stated that there is a possibility that more of this work may be procured.

License No. C-3496 - In 1956, in an Industrial Participation Program from Oak Ridge National Laboratory, the company received 100 pounds of uranium magnesium fluoride. The uranium was recovered and returned to Oak Ridge National Laboratory. This was the full extent of the program under this license. However, Mr. Maybaum stated that the license was renewed with the expectation that more of this work would be obtained.

License No. 34-1947-1 - At the time of the inspection, Mr. Mataich, the authorized user, was no longer associated with the company and the necessary information was supplied the inspector by Mr. Maybaum. He stated that the Silver 110 had been used on only two occasions under a government research contract with the Air Force. The Silver 110 was used to find a new method for determining the coefficient of surface diffusion of metals. At the present time only 20 millicuries of Silver 110 are on hand, which Mr. Maybaum plans to return to Oak Ridge for disposal.

7. Date of last previous inspection: None

8. Is "Company Confidential" information contained in this report? Yes No
(Specify page(s) and paragraph(s))

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Approved by: Roy C. Engeman, Director
Inspection Division, CDD
(Operations office)

May 27, 1958
(Date report prepared)

09-151

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