


INSPECTION FINDINGS AND LICENSEE ACKNOWLEDGMENT

<p>1. LICENSEE University of Puerto Rico College of Agriculture and Mechanical Arts Chemistry Department Mayaguez, Puerto Rico</p>	<p>2. REGIONAL OFFICE U. S. Atomic Energy Commission Region II, Division of Compliance 50 Seventh Street, N.E. Atlanta, Georgia 30323</p>
<p>3. LICENSE NUMBER(S) 52-10510-1</p>	<p>4. DATE OF INSPECTION <i>September 1 1965</i></p>
<p>5. INSPECTION FINDINGS</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> A. No item of noncompliance was found. <input type="checkbox"/> B. Rooms or areas were not properly posted to indicate the presence of a RADIATION AREA. 10 CFR 20.203(b) or 34.42 <input type="checkbox"/> C. Rooms or areas were not properly posted to indicate the presence of a HIGH RADIATION AREA. 10 CFR 20.203(c) (1) or 34.42 <input type="checkbox"/> D. Rooms or areas were not properly posted to indicate the presence of an AIRBORNE RADIOACTIVITY AREA. 10 CFR 20.203(d) <input type="checkbox"/> E. Rooms or areas were not properly posted to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(e) <input type="checkbox"/> F. Containers were not properly labeled to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(f) (1) or (f) (2) <input type="checkbox"/> G. Storage containers were not properly labeled to show the quantity, date of measurement, or kind of radioactive material in the containers. 10 CFR 20.203(i) (4) <input type="checkbox"/> H. A current copy of 10 CFR 20, a copy of the license, or a copy of the operating procedures was not properly posted or made available. 10 CFR 20.206(b) <input type="checkbox"/> I. Form AEC-3 was not properly posted. 10 CFR 20.206(c) <input type="checkbox"/> J. Records of the radiation exposure of individuals were not properly maintained. 10 CFR 20.401(a) or 34.33(b) <input type="checkbox"/> K. Records of surveys or disposals were not properly maintained. 10 CFR 20.401(b) or 34.43(d) <input type="checkbox"/> L. Records of receipt, transfer, disposal, export or inventory of licensed material were not properly maintained. 10 CFR 30.51, 40.61 or 70.51 <input type="checkbox"/> M. Records of leak tests were not maintained as prescribed in your license, or 10 CFR 34.25(c) <input type="checkbox"/> N. Records of inventories were not maintained. 10 CFR 34.26 <input type="checkbox"/> O. Utilization logs were not maintained. 10 CFR 34.27 <div style="text-align: right; margin-top: 20px;">  (AEC Compliance Inspector) </div>	
<p>6. LICENSEE'S ACKNOWLEDGMENT</p> <p>The AEC Compliance Inspector has explained and I understand the items of noncompliance listed above. The items of noncompliance will be corrected within the next 30 days.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%; text-align: center;"> <p>_____ (Date)</p> </div> <div style="width: 45%; text-align: center;"> <p>_____ (Licensee Representative -- Title or Position)</p> </div> </div>	

COPIES: LICENSEE: COMPLIANCE REGION: DIV. OF ST. & LIC. REL.: DIV. OF COMPLIANCE

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Inspection Notes/Record Copy

Paul R. Guinn
Paul R. Guinn/bjb
10/1/65

University of Puerto Rico
College of Agriculture
and Mechanical Arts
Chemistry Department
Mayaguez, Puerto Rico

License No. 52-10510-1 ^(no amendments) ~~Thru Amendment #2, entirely dated 11/25/65~~
reinspection (2) ~~2~~

On September 1, 1965, an unannounced reinspection was conducted of the Licensee's program. Miss Amlia Velez, Director of Radiological Health, Puerto, Rico, was present during the inspection. A Form AEC-591 showing no items of noncompliance was issued upon completion of the inspection.

I. General Information

1. The initial inspection of the licensee's program was conducted on November 1, 1957, ^{under license # 52-2437-1} and revealed no items of noncompliance. On June 10, 1959, reinspection (1) revealed noncompliance with 10 CFR 20.401(c) in that records of radiation survey results had not been maintained.

2. The persons interviewed during the inspection were as follows:

Dr. Jan Garcia, Acting Head, Department of Chemistry
Dr. Jose Ferrer, Chief Scientist, ~~and~~ Director of
Health Physics Division, Puerto Rico Nuclear Center *and*
RSO at the University.

Dr. Fred V. Soltero, the only authorized user of the license was absent at the time of the inspection. He is on sabbatical leave at the University of Wisconsin to do graduate studies.

II. Organization, Procedures and Training

3. The licensee's program is inactive at the present time. There are no licensed materials on hand and none have been procured under the license for the past three years. Dr. Jose Ferrer stated that licensed materials will be used under the license at some future date in essentially the same manner that it has previously been used as described in previous reports.
4. In regard to procedures that will be followed, Dr. Ferrer stated that essentially the same procedures will be followed when the

OK *AFH*
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program has been reactivated.

5. Dr. Soltero the only authorized user under the license has participated in a one-month radioisotope techniques course at ORINS in 1955. He has had experience in the use of radioactive materials since 1952. Dr. Ferrer ^{is} trained in Health Physics Techniques ~~which he received~~ at Oak Ridge National Laboratory *JF*.

III. Inventory

6. There are no licensed materials on hand. During the inspection Dr. Ferrer stated that none had been procured in the last three years. He stated that any licensed materials on hand at the time Dr. Soltero went on Sabbatical leave are now possessed by the Puerto Rico Nuclear Center.

IV. Facilities and Equipment

7. The same facilities ^{are} on hand as previously described. Although not being used at the present time, ^{they} are located in the chemistry laboratory on the second floor of the Physics and Chemistry Building, ⁱⁿ the Moncon Building. The radiochemistry laboratory is equipped with six laboratory hoods ~~which~~ exhaust stack ~~is~~ on the roof of the building, ~~and~~ the laboratory is equipped with steel benches and sinks. ~~Separate canning room is also provided.~~

8. The survey equipment that ^{is} on hand includes the following:

Several Nuclear Chicago, Model 2586 Cutie-pies,
with ranges from 0-2.5 r/hr

Two Nuclear Chicago, Model 2612 Survey Meters,
with ranges from 0-20 mr/hr

These instruments were in good operating condition at the time of the inspection. Dr. Jose Ferrer maintains these instruments and performs routine calibrations.

V. Radiation Surveys and Personnel Monitoring

9. Radiation surveys are being conducted and ~~records~~ records of results are being maintained. Dr. Soltero has conducted most of the routine surveys, while Dr. Ferrer has also conducted surveys at infrequent intervals. The radiation surveys include instrument surveys and wipe tests in all areas. Dr. Ferrer stated that Dr. Soltero is maintaining records of the results and that these records show no

significant radiation level ^{or} contamination. These could not be reviewed during the inspection due to the absence of Dr. Soltero and the inability of his staff members to locate the records. Dr. Ferrer stated that Dr. Soltero definitely ~~does~~ maintains survey records, therefore ~~this~~ appeared to constitute the action necessary to correct the only item of noncompliance noted during the last previous inspection.

10. Dr. Ferrer stated that ^athe personnel monitoring program is being conducted by means of film badges supplied by the Puerto Rico Nuclear Center. He stated that no detectable exposures have been noted for ~~any~~ person wearing film badges. Records of personnel exposures are being maintained in the form of the reports received from the Puerto Rico Nuclear Center.

VI. Storage and Waste Disposal

11. Licensed materials are being stored in small lead containers behind lead bricks in the storage and dilution room located on the roof of the Physics and Chemistry Building. The door of this room is kept locked and Dr. Soltero is ~~maintaining~~ ^{holding} the keys. No licensed materials were on hand at the time of the inspection.
12. During the inspection Dr. Ferrer was questioned in regard to waste disposal. He stated that to the best of his knowledge Dr. Soltero has not disposed of any radioactive materials. However, he stated that in the event that Dr. Soltero had disposed of licensed materials he is certain that records have been maintained of all disposals.

VII. Posting and Labeling

13. Although no licensed materials were on hand at the time of the inspection, it was noted that the licensee, radiochemistry and storage rooms were posted with signs in accordance to 10 CFR 20.203(e)(1) contained ^{the} the conventional radiational ^{symbol} and the wording, "Caution Radioactive Materials".
14. It was noted that some of the storage containers on hand at the time of the inspection contained labels which were in accordance with 10 CFR 20.203(f)(1), (f)(4) containing the conventional radiation caution symbol ~~and~~ ^{the} wording, "Caution Radioactive Materials" and information as to the kinds and quantities of materials together with the date of measurement.
15. The Form AEC-3 was posted in ~~the proper location in~~ the radiochemistry laboratory.

UNITED STATES GOVERNMENT

Memorandum

TO : Files

DATE: 10-1-65

FROM : Paul R. Guinn, Radiation Specialist
Region II, Division of Compliance, Atlanta

SUBJECT: HEALTH AND SAFETY EVALUATION - UNIVERSITY OF PUERTO RICO,
MAYAGUEZ, PUERTO RICO, LICENSE NO. 52-10510-1

CO: II: PRG

This program is inactive at the present time and therefore no health and safety problems exist.

On the basis of a discussion with Dr. Jose Ferrer during the inspection, it appeared that only a minimum amount of licensed materials ~~are being~~ *have been* used under the license. Dr. Ferrer appears to be conscientious in conducting surveys throughout the facilities use. He appears to be well qualified in all aspects of health physics.

This program will probably remain inactive until the return of the only authorized user from a sabbatical leave to do graduate studies. In a discussion with Dr. Ferrer during the inspection, it does not appear that there will ever be any extensive use of licensed materials under this license, and therefore, no problems are to be expected.



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NOTES TO INSPECTION TEAM

INSPECTOR: Gruver

ACCOMPANIED BY: Audria Kelly, Director R II

LICENSEE: Union of Puerto Ricans

LICENSE NO. 52-10510-1

Manuel Guzman, Secretary

DATE: 9/1/65

1. INTERVIEW:

San Garcia, acting head, left the country.
Dr Jose Ferrero, chief lieutenant, + Director #1. Director
of Board University.
Dr Saltero on Sabbatical at Union of Puerto Ricans

2. OBSERVATION:

Program in inactive at present time - no materials
are being used. Only Saltero, being used as by
members of the Puerto Rico National Center - Dr
Saltero on Sabbatical leave -

3. FINDINGS:

none procured "for past three years" and none
in hand" - Dr Jose Ferrero -
Authorized use on Sabbatical Leave -
- T: + K. ...