

UNITED STATES ATOMIC ENERGY COMMISSION

DIVISION OF COMPLIANCE

<p>1. LICENSEE</p> <p>WESTINGHOUSE ELECTRIC CORPORATION Bloomfield, New Jersey</p>	<p>2. REGIONAL OFFICE</p> <p>U. S. Atomic Energy Commission Region I, Division of Compliance 376 Hudson Street New York, New York 10014</p>
<p>3. LICENSE NUMBER</p> <p>SMB-153, District No. 40-2286</p>	<p>4. DATE(S) OF INSPECTION</p> <p>May 5, 6, and 18, 1966 (Reinspection)</p>
<p>5. The following activities under your license (identified in Item No. 3 above) appear to be in noncompliance with AEC regulations or license requirements, as indicated.</p>	
<p>a. Contrary to 10 CFR 20.201(b), "Surveys", such surveys as were necessary to ensure compliance with 10 CFR 20.103(a), "Exposure of individuals to concentrations of radioactive material in restricted areas", were not made. The surveys that were made were inadequate, in that the air samples were not collected in the breathing zones of the exposed persons and the average concentrations to which persons in restricted areas were exposed for forty hours in any period of seven consecutive days were not determined.</p> <p>b. Contrary to 10 CFR 20.201(b), "Surveys", such surveys as were necessary to ensure compliance with 10 CFR 20.106(a), "Concentrations in effluents to unrestricted areas", were not made. Specifically, it was noted that the samples that were taken were insufficient to permit a determination of the average annual concentration released to the unrestricted areas.</p> <p>c. Contrary to 10 CFR 20.201(b), "Surveys", surveys were not made to ensure that in discarding paper bags to the general refuse, thorium was not also inadvertently disposed of in a manner other than that allowed by 10 CFR 20.301, "Waste disposal, general requirement".</p> <p>d. Contrary to 10 CFR 20.203(b), "Caution signs, labels and signals", the radiation area existing in the Thorium Storage Room, 3rd floor, Building No. 8, was not properly posted. (This item was corrected at the time of the inspection.)</p>	
<p>8603260145 660623 REG1 LIC40 SMB-0353 PDR</p>	
<p><i>for back-up, see W.E. STB-467</i></p>	
<p>Supplementary page <u>None</u> attached.</p>	
<p style="text-align: right;">Charles E. Comer Compliance Inspector 6/23/66</p>	

UNITED STATES ATOMIC ENERGY COMMISSION

DIVISION OF COMPLIANCE

<p>1. LICENSEE</p> <p>WESTINGHOUSE ELECTRIC CORPORATION Lamp Division Bloomfield, New Jersey</p>	<p>2. REGIONAL OFFICE</p> <p>U. S. Atomic Energy Commission Region I, Division of Compliance 376 Madison Street New York, New York 10014</p>
<p>3. LICENSE NUMBER</p> <p>STB-467 Docket No. 40-6656</p>	<p>4. DATE(S) OF INSPECTION</p> <p>May 5, 6, and 18, 1966 (Reinspection)</p>
<p>5. The following activities under your license (identified in Item No. 3 above) appear to be in noncompliance with AEC regulations or license requirements, as indicated.</p>	
<p>a. Contrary to 10 CFR 20.201(b), "Surveys", such surveys as were necessary to ensure compliance with 10 CFR 20.103(a), "Exposure of individuals to concentrations of radioactive material in restricted areas", were not made. The surveys that were made were inadequate, in that the air samples were not collected in the breathing zones of the exposed persons and the average concentrations to which persons in restricted areas were exposed for forty hours in any period of seven consecutive days were not determined.</p> <p>b. Contrary to 10 CFR 20.201(b), "Surveys", such surveys as were necessary to ensure compliance with 10 CFR 20.106(a), "Concentrations in effluents to unrestricted areas", were not made. Specifically, it was noted that the samples that were taken were insufficient to permit a determination of the average annual concentration released to the unrestricted areas.</p> <p>c. Contrary to 10 CFR 20.201(b), "Surveys", surveys were not made to ensure that in discarding bench-covering paper to the general refuse, thorium was not also inadvertently disposed of in a manner other than that allowed by 10 CFR 20.301, "Waste disposal, general requirements".</p> <p>d. Contrary to 10 CFR 20.203(b), "Caution signs, labels and signals", the radiation area existing in the Thorium Storage Room, 3rd floor, Building No. 8, was not properly posted. (This item was corrected at the time of the inspection.)</p> <p>e. Contrary to 10 CFR 20.203(f)(2), "Caution signs, labels and signals", a bottle containing approximately 20 pounds of thorium oxide located in the Thorium Storage Room, did not bear a label showing the radiation caution symbol, the words Caution Radioactive Material or the quantity of material contained. (This item was corrected at the time of the inspection.)</p>	
<p>Supplementary page <u>None</u> attached. <u>Charles E. Conner</u> <div style="text-align: right;">6/23/66 Date</div> <div style="text-align: center; font-size: small;">AEC Compliance Inspector</div></p>	

With regard to 20.106(a), no citation was made because, in addition to the previous reasons, it would be implausible to assume that samples collected during the highest dust producing operations were indicative of the yearly average concentrations. If the reported concentrations are assumed to have been constant throughout the number of hours in each year that the respective sections were in operation, I found that the average yearly concentrations in the unrestricted areas did not exceed 3×10^{-12} uc/ml.

I recommend that these licensees be reinspected at the normal interval 5/68.

25 March 1969

TO: RSCleveland

From: ZG Gilbert

Subj: Inspector Evaluation:

Westinghouse Electric Corp

Bloomfield NJ

STMB -
Lic No. 353

Doclet no 40-7286

It was evident from inspection that Williams, RSO, has not had ~~(adequate)~~ sufficient time to devote to the th program. He was not familiar with various operations, did not have survey records or for that matter knowledge of exactly what direct, smear, surface, and airborne contamination ~~surveys~~ that were done by various factory engineers (RSO designated to cover various plant operations). A sufficient amount of surveying had been done by factory engineers to establish that there was no immediate hazard to workers or general public, but much remains to be done to refine program to give meaningful results and ensure correct records are kept.

Carroll, Plant Manager, stated he would take immediate action to have a qualified NP from another Westinghouse plant come in and review the entire

thorium operation at Bloomfield. He would also have this person evaluate hazards of the program and prepare appropriate operating and red safety procedures which could then be followed by Williams and the various responsible factory engineers. Evaluation of the stack sampling technique would also be included a assurance made (and evaluation documented) that representative samples were taken of plant stack effluents.

Carroll was informed that a reinspection would be conducted one year from date, such reinspection concentrating on above matters.

Suggest reinspection Jan 1970 for this
F.I.I. license

Letters of March 13 and
and March 6, 1968 returned
to Mr Roger Woolsey of National
Licensing per his request they
are confidential documents

JW 6/5/68

MEMO ROUTE SLIP

Form AEC-93 (Rev. May 14, 1947)

See me about this.

Note and return.

For concurren

For signature.

For action.

For information.

TO (Name and unit)

INITIALS

REMARKS

DATE

TO (Name and unit)

INITIALS

REMARKS

DATE

TO (Name and unit)

INITIALS

REMARKS

DATE

FROM (Name and unit)

REMARKS

PHONE NO.

DATE

USE OTHER SIDE FOR ADDITIONAL REMARKS

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