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UNITED STATES RECEIVED
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

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OFFICE OF THE SECRETARY
D.C.



Docket No. 40-2286

Westinghouse Electric Corporation
ATTN: J. F. Shaw
Lamp Division Plant Manager
1 Westinghouse Plaza
Bloomfield, New Jersey 07003

Gentlemen:

Subject: Inspection 40-2286/81-01

This refers to the special safety inspection conducted by Ms. M. Campbell of this office on January 29, 1981 of activities authorized by NRC License No. SMS-353 and to the discussions of our findings held by Mr. M. Campbell with Mr. John Olatta of your staff at the conclusion of the inspection, and to a subsequent telephone discussion between Mr. Olatta and Ms. Campbell on February 2, 1981.

Areas examined during this inspection are described in the Office of Inspection and Enforcement Inspection Report which is enclosed with this letter. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interview with personnel, measurements made by the inspector, and observations by the inspector.

Within the scope of this inspection, no items of noncompliance were observed.

The enclosed inspection report will be forwarded to our Materials Licensing Branch for their use in evaluating your request for an amendment to your license.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. If this report contains any information that you (or your contractors) believe to be exempt from disclosure under 10 CFR 9.5(a)(4), it is necessary that you (a) notify this office by telephone within ten (10) days from the date of this letter of your intention to file a request for withholding; and (b) submit within 25 days from the date of this letter a written application to this office to withhold such information. Consistent with section 2.790(b)(1), any such application must be accompanied by an affidavit executed by the owner of the information which identifies the document or part sought to be withheld, and which contains a full statement of the reasons on the basis which it is claimed that the information should be withheld from public disclosure. This

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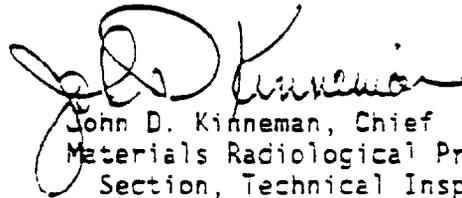
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section further requires the statement to address with specificity the considerations listed in 10 CFR 2.790(b)(4). The information sought to be withheld shall be incorporated as far as possible into a separate part of the affidavit. If we do not hear from you in this regard within the specified periods noted above, the report will be placed in the Public Document Room. The telephone notification of your intent to request withholding, or any request for an extension of the 10 day period which you believe necessary, should be made to the Supervisor, Files, Mail and Records, USNRC Region I, at (215) 337-5223.

No reply to this letter is required; however, should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,



John D. Kinneman, Chief
Materials Radiological Protection
Section, Technical Inspection Branch

Enclosure:
Office of Inspection and Enforcement Inspection
Report Number 40-2286/81-01

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 40-2286/81-01
Docket No. 40-2286
License No. SMB-353 Priority IV Category E
License: Westinghouse Electric Corporation
1 Westinghouse Plaza
Bloomfield, New Jersey 07003
Facility Name: Westinghouse Electric Corporation
Inspection Act: Lamp Division
Inspection Conducted: January 29, 1981
Inspectors: M. A. Campbell 5/27/81
M. A. Campbell, Radiation Specialist date signed
Approved By: John D. Kinneman 6-3-81
John D. Kinneman, Chief, Materials Radiological date signed
Protection Section

Inspection Summary:

Inspection on January 29, 1981 (Report Number 40-2286/81-01)

Areas Inspected: Announced, closeout survey of basement area in Building 7 contaminated with natural uranium, including measurements of radiation levels and analysis of earth samples at the Region I laboratory. The inspection involved 1 inspector-hour onsite time by one NRC inspector.

Results: NRC analyses show surface soil concentrations of uranium are less than 35 picocuries per gram. This agrees with the licensee's survey report dated November 2, 1980.

Region I Form 12
(Rev. April 77)

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DETAILS

1. Persons Contacted

*John Olatta, Engineering Supervisor

* denotes those present at the exit interview.

2. Survey of Radiation Levels

Measurements of radiation levels were made using a Ludlum Model 12S Micro-R meter, inside excavation #1, as identified in the licensee's report dated November 12, 1980. Inspector radiation readings and sample locations are shown on Attachment 1 which is taken from the licensee's report. In excavation #1, the highest levels were measured along a vent line, 1.0 millirem per hour, as measured on the underside of the concrete flooring, which had been previously plugged and capped. The drain line measuring 0.6 mR/hr as referenced in Report No. 40-2286/80-02 now has a radiation level measuring 0.1 mR/hr. There is one spot in this area, again underneath the concrete flooring, with a radiation level measuring 0.4 mR/hr. Levels elsewhere in the excavation were below 0.5 millirem per hour.

3. Collection and Analysis of Samples

Two samples of earth were collected from excavation #1 at the locations marked on the Attachment 1. The samples were analyzed at the Region I laboratory using an intrinsic germanium detector. Since the contamination resulted from uranium metal, the 1.0 Mev gamma from protactinium-234m was used in the analysis and equilibrium to this point was assumed. Uranium-235 was determined separately. The results, in microcuries per gram, are presented below, along with the licensee's values from the same area, where available. The NRC samples were collected by surface scraping. The samples weighed 1.3-1.8 kilograms each. NRC sample #1 was taken in a location between the locations of licensee samples C & D. NRC sample #2 was taken approximately the same location as licensee sample #C.

Licensee samples were obtained as 2 inch diameter X 6 inch deep core samples. Each sample was mixed and an aliquot analyzed by x-ray fluorescence.

<u>Sample No. (NRC)</u>	<u>1</u>	<u>2</u>
U-238(pCi/g)	0.8	0.5
U-235(pCi/g)	0.9	4.9
<u>Sample No. (licensee)</u>	<u>C</u>	<u>D</u>
(total U)(pCi/g)	54	75
		<u>H</u>
		6.8

4. Exit Interview

The results of the inspection were reviewed with licensee representatives at the conclusion of the inspection and by telephone following laboratory analysis.

with drains

Letters A Thru H =
Sample Locations

area drilled out underneath floor

0.125 mR/hr

0.1 mR/hr

0.03-0.04 mR/hr

0.12 mR/hr

0.1-0.15 mR/hr

1.0 mR/hr
measured underneath floor

Abandoned 4" Vent Line
Plugged And Capped

0.03-0.04 mR/hr

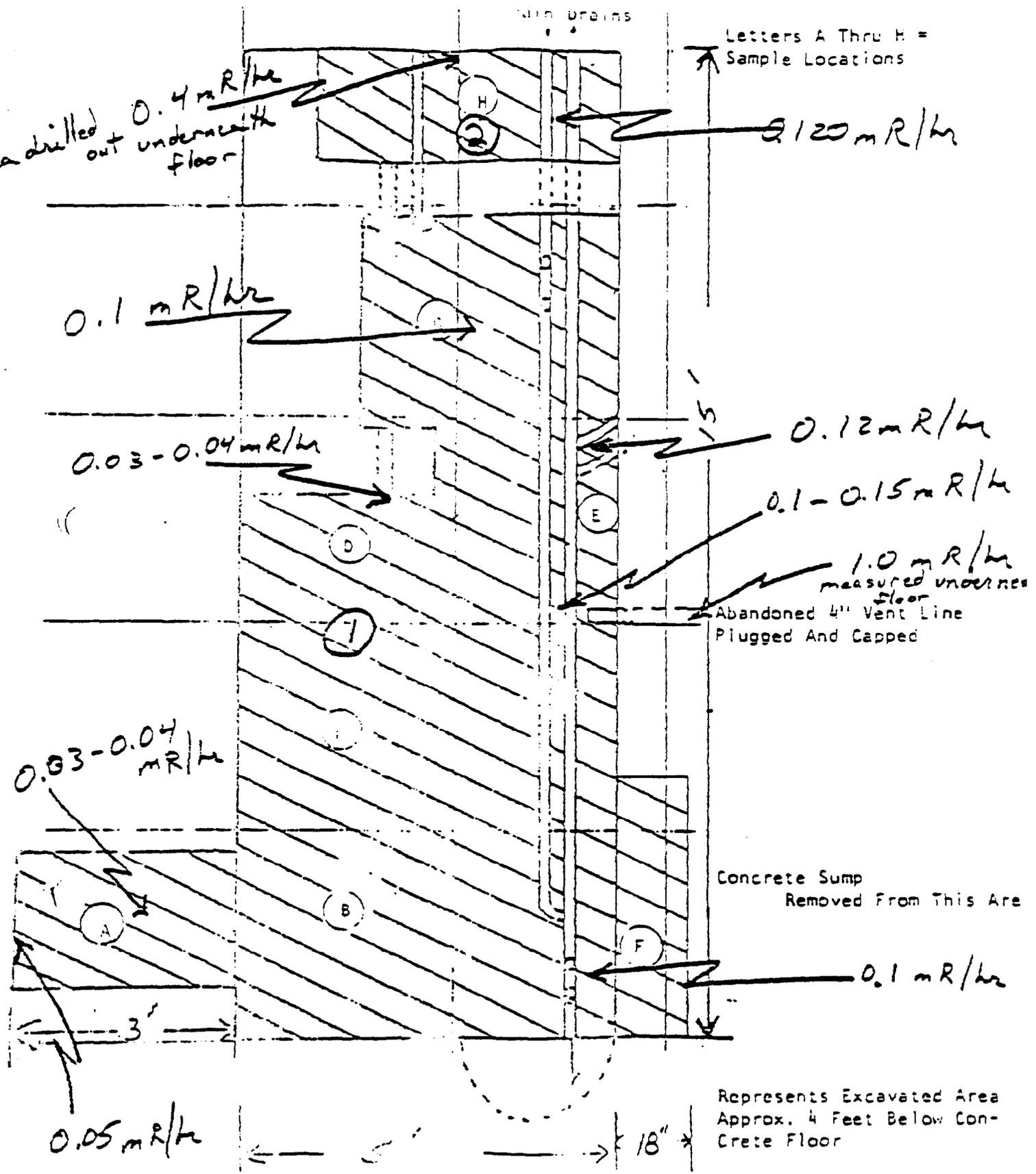
Concrete Sump
Removed From This Area

0.1 mR/hr

0.05 mR/hr

Represents Excavated Area
Approx. 4 Feet Below Con-
crete Floor

NRC surveys on
January 29, 1987





UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

Docket No. 40-2286

26 JUN 1981

MEMORANDUM FOR: Ralph Meyer, Health Physicist, Fuel Cycle and Materials
Safety Section, SRSI, IE:HQ

FROM: John D. Kinneman, Chief, Materials Radiological Protection
Section, Region I

SUBJECT: CLOSEOUT SURVEY, WESTINGHOUSE ELECTRIC, BLOOMFIELD, NEW
JERSEY

We conducted additional closeout surveys at the Westinghouse, Bloomfield, New Jersey facility. A copy of our inspection report is enclosed.

The licensee has indicated his intention to fill all contaminated pipes with concrete, and to fill the excavated areas with earth which will be covered by several inches of concrete.

The highest radiation level measured, except for the outside of one pipe which read 1 millirad per hour, is 0.4 millirad per hour. The average radiation readings are below the beta-gamma radiation guidelines for release of a facility for unrestricted use. In addition, the soil contamination appears to be less than 0.02% uranium by weight, or less than 75 picocuries per gram.

Region I recommends that following filling of the excavations and replacement of the concrete floor, this facility be released for unrestricted use.

Please forward the enclosed report to NMSS for their use.


John D. Kinneman, Chief
Materials Radiological Protection
Section

Enclosure:
As Stated

Statement of Certification
Westinghouse Electric Corporation
Building 7
Bloomfield, New Jersey

The Office of Terminal Waste Disposal and Remedial Action has reviewed and analyzed the decontamination operations of Westinghouse Electric Corporation at Building 7 at their Bloomfield, New Jersey facility. Based on this ~~review~~, and on the recommendation of the Nuclear Regulatory Commission that this site meets the NRC guidelines for release of a facility for unrestricted use, the Department of Energy ~~removes this site from the Formerly Utilized Sites Remedial Action Program.~~

That is, that the Westinghouse Electric Corporation, under the site compliance with applicable regulations, has demonstrated that the certification by compliance, under the site, the property will result in no developed or above applicable federal or state standards to protect the general public and to all occupants. Therefore, the site is not being considered as included in the Formerly Utilized Sites Remedial Action Program.

By: _____ Date: _____

R. V. ... Acting Director
F. E. Coffman, Director
Office of Terminal Waste Disposal
and Remedial Action