

RECEIVED
U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535
SEP 11 1964

TO : DIRECTOR, FBI
FROM : SAC, NEW YORK
SUBJECT: [Illegible]
[Illegible text follows]

COPIES TO:

NEW YORK DIVISION

[Handwritten signature]



MEMORANDUM FOR THE RECORD
SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

Very truly yours,

John L. [Illegible]
[Illegible]
[Illegible]

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[Illegible]

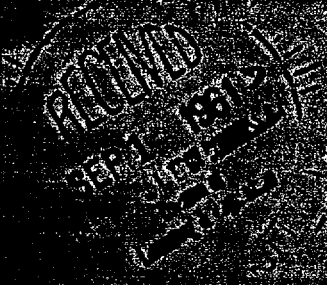
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OSU-41

10-1594

40-768

INDEPENDENT INDUSTRIAL INC.



DIVISION OF LICENSING AND REGULATION
U.S. DEPARTMENT OF COMMERCE
WASHINGTON, D.C.
AREA CODE 67 - CASTLE 23366
August 30, 1961

U.S. Atomic Energy Commission
Division of Licensing and Regulation
Washington 25, D.C.

ATTENTION: Mr. Elmer R. Price, Assistant Director

REFERENCE: 20-5216-1; 40-768; 70-139

Good morning

With reference to your letter of August 4, 1961, pertaining to several instances of non-compliance with respect to our Source Material and Special Nuclear Material Licenses, we wish to offer the following information:

As indicated in your letter, whole body exposure of Mr. Ernest Rodwell exceeded 3000 milliroentgens in two quarters of the year 1960. This occurred due to the fact that the source of exposure was misinterpreted as a skin dose only. In accordance with Appendix A of 10 CFR 20, which would allow a maximum dose of 6000 milliroentgens per quarter. We now recognize that due to exposure to the lens of the eye, the 3600 milliroentgen limit should have been applied. As of January 1, 1961, we have issued, and required the use of, protective glasses to personnel most likely to receive high external exposures, to be used as a shield against exposures to the lens of the eye. In this manner we are able to interpret all beta exposures from uranium to be skin doses, and now use the appropriate limits as specified in the amended 10 CFR 20 Part 20.101 (a).

Our incineration procedures called for sampling of the effluent discharged from the Incinerator stack and also for downwind air sampling. We felt that this was in accordance with par. 20.101 (b) and (c). No incineration has been performed since December, 1960 due to replacement of the stack and modifications to our stack sampling equipment. We propose to begin incineration within a short period of time and will sample the stack effluent as before. Our downwind sampling, however, will now be done at the perimeter of our

property, which will allow us to more closely approximate the concentration of radioactive material released from our facilities. We assure that this procedure will comply with par. 20.106 (b) and (c) of amended 10 CFR 20.

The exposure of the furnace operators to airborne concentrations of uranium is controlled by means of air samples which are taken to establish atmospheric conditions, and by frequent urinalyses to indicate the extent of internal exposure. Since January 1, 1961, we have increased the number of air samples taken in our processing area including the furnace area, breathing zone as well as general area samples. The frequency of urinalyses on some of our personnel including the furnace operators has also been increased in order to prevent the internal accumulation of excessive amounts of uranium.

In general, we feel that our present program of air sampling and urinalyses is adequate to meet the requirements of par. 20.103 (c) of amended 10 CFR 20.

With respect to the containers which were not labeled in accordance with par. 20.203 (f) (1), (f) (2), and (f) (4), they have since been properly labeled, and instructions have been issued to maintain this condition throughout all processing and storage areas.

We trust that the actions as described above will serve to bring us in full compliance with requirements as outlined in part 20, Title 10, Code of Federal Regulations, and thank you for bringing these matters to our attention.

Very truly yours,

D. E. MAKEPEACE-DIVISION

Morton Weiss
Health & Safety Officer

Eber R. Price, Assistant Director
Division of Licensing and Regulation

AUG 17 1961

Rec C

Leo Dubinski, Assistant ^{Original signed by} Director
for Materials
Division of Compliance
STATEMENT OF ENFORCEMENT ACTION -
ENGLEHARD INDUSTRIES
ATTLEBORO, MASSACHUSETTS
LICENSE NO. 8M4-185

CO:ULE

Reference is made to report dated February 17, 1961, of inspection on subject licensee, which was forwarded to your office by CO memo dated March 23, 1961.

It would be appreciated if you will let us know the status of enforcement action on this inspection. New York will defer scheduling a reinspection until informed that such action has been completed or that none is planned.

Thank you for your cooperation.

cc: R. W. Kirkman, NY

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AUG 17 1961

MASS COMPLAINTS DIVISION

CO

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Brady:em

Dubinski

8/17/61

8/ /61

THE COMMONWEALTH OF MASSACHUSETTS
Dept. of Public Health

70-139
August 9, 1961

State House, Boston 33

For Div of Compliance

D. E. Malspess Division
Engelhard Industries, Inc.
Five and Unknown streets
Attleboro, Massachusetts

Re: FLAINVILLE
Radioactive Liquid Waste
Disposal System at
Engelhard Industries,
D. E. Malspess Division,
Route 152

Gentlemen:

A recent examination by an engineer from this Department revealed that the waste disposal system at the Engelhard Industries Plant, D. E. Malspess Division, Route 152, Plainville, was not operating satisfactorily. It was noted that when a load was applied to the system, liquid wastes containing radioactive material overflowed to the surface of the ground.

The Department is informed that during the month of April 1961, the leaking pits were pumped out by the Hill Sanitary Pumping Service, 285 Rungy Road, North Attleborough, and that this waste is said to have been eventually disposed of at the North Attleborough Sewage Treatment Plant.

The engineering further disclosed that the requirements of this Department, as outlined in a communication to you dated February 4, 1960, at the time of the installation of a second leaking pit, have not been complied with. A high water alarm had been installed to warn against possible overflow of radioactive wastes to the surface of the ground.

The Department of Public Health hereby withholds approval of the waste disposal system serving the subject plant and requires that your company engage the services of a qualified engineer to design and submit plans to this Department for approval for adequate waste treatment facilities. Pending the approval of plans for the new facilities and their installation, at no time are wastes to be allowed to overflow onto the surface of the ground.

The Department requires that it be notified of your action in this matter before September 1, 1961.

Very truly yours,

Walter H. Taylor
Director

Division of Sanitary Engineering

NYOO COMPLIANCE DIVISION

cc-Bureau of Health
Plainville

cc-Atomic Energy Commission

Washington

D.C.

AUG 24 1961

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Rec'd for docketing
8-18-61

11/10/44
20-3714-1
40-766
20-139

PH
Klein
sd

Ingallhard Industries, Inc.
B. E. Mahanaga Division
Attleboro, Massachusetts

Attention: Mr. H. P. Wittachoff,
General Manager

Continued:

This refers to the inspection conducted on December 12 and 13, 1943,
of your activities authorized under ABC Pyrotechnic Material License
No. 20-3714-1, Bureau Material License No. C-3161, and Special
Bureau Material License No. 302-125.

There were no finds of non-compliance noted for license No. 20-3714-1.
With respect to license Nos. C-3161 and 302-125, it appears that
certain of your activities were not conducted in full compliance with
the requirements of the ABC's "Transfer to War Production Against
Salvage," Chap 20, Title 18, Code of Federal Regulations, in that:

1. Your file badge records indicate that during the
period of January 9, 1943 through November 13,
1943, Mr. Everett Redell's whale body expensers
23 bats and gunn variations with in excess of 2000
milligrams in any one of several periods of
13 consecutive weeks. This is in violation of
Section 20.101(a)(2)(15), "Exports of Explosives
in restricted areas."
2. Surveys performed pursuant to Section 20.901(b),
"Surveys," were not adequate in that:
 - a. You have not determined compliance with
Section 20.103(b), "Concentration in
effluents to restricted areas," with re-
spect to airborne emissions released to
restricted areas during incineration of
wastes which contained licensed materials, and

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RECORDS SECTION

2. continued

1. you have not departed in compliance with Section 20.101(b), "Exposure of individuals in restricted areas," with respect to the furnace melt operation's exposure to airborne radioactivity.
2. six containers, in each of which was stored 500 pounds of depleted uranium, were not labeled as required by Section 20.203(c)(3) and (c)(4), "Container signs, labels and signals."
3. one gallon can which contained 1162 grams of 235 enriched uranium, was not labeled as required by Section 20.203(c)(1) and (c)(4), "Container signs, labels and signals."

Pursuant to the provisions of Section 2.201(a), "Notice of violation," of the AEC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, you are requested to notify this office, within thirty days of your receipt of this notice, of why these violations occurred and inform us of the corrective steps taken or to be instituted in achieving correction and preventing further violations and the date when such correction and full compliance will be achieved.

Please note the citations listed above are under 10 CFR 20 prior to its revision on January 1, 1961. Enclosed is a copy of the former 10 CFR 20 under which you were inspected and a copy of the amended Part 20 which is currently effective.

Thank you for your letter dated May 10, 1961, in which you state that you are determining employee exposure limits pursuant to Section 20.101(b), "Exposure of individuals to radiation in restricted areas," of present 10 CFR 20.

Very truly yours,

cc: Compliance Division, HQ)
Compliance Division, NYCO) w/cpy ltr 5/10/61
Public Document Room)

Elmer R. Price
Assistant Director
Division of Licensing
and Regulation

- Enclosures:
1. 10 CFR 20
 2. 10 CFR 20 Amended
 3. 10 CFR 2

DIA:PM
CEN:law:REC

DIA
SA:Price

40-76
70-139
File Copy

ENGELHARD INDUSTRIES, INC.

D. E. MAKEPEACE DIVISION

PINE & DUNHAM STREETS

ATTLEBORO, MASS.

NO. ATTLEBORO MA 01945 MY 5-9358

May 10, 1961

Director, Division of Licensing and Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Gentlemen:

Reference: Our Letter of April 24, 1961 Concerning Radiation Overexposure Report.

With reference to the above letter pertaining to a radiation overexposure to two of our personnel, we have made further study of the situation and feel that in view of provisions stated in 10 CFR 20 par. 20.101 (b.), these people may be allowed to resume their jobs as melters immediately.

This conclusion was reached by virtue of the fact that we have determined the accumulated occupational dose for each of the individuals on form AEC-4, and have found that the exposures to the whole body received during the first quarter of 1961 were less than three rads and did not exceed the accumulative occupational exposures as determined by the formula $5(N-18)$.

We are still endeavoring to minimize exposures as much as possible through more rigid supervision and revised operating procedures. In view of the foregoing information, we feel that our interpretation of the regulations is correct and have allowed the two men to resume work on the melting furnace.

Very truly yours,

D. E. MAKEPEACE DIVISION

Norton M. Weiss

Norton M. Weiss
Health and Safety Manager

NMW:dc

CC: Manager, New York Operations Office
D.M. Gardiner, Chicago Operations Office
T.F. Kelly, Commonwealth of Massachusetts

Page No. 43-22

April 10, 1961

Westinghouse Electric Corporation

107

107

Mr. Robert J. Carlin, Manager
Physics Section

Dear Sir:

This refers to your letter dated April 4, 1961, reference
WEC-43557.

Re: To inform you, we are hereby authorized under License
No. 107 to carry out activities with fuel elements from WPA
in Hill, Pennsylvania in the following:

Barber, Industries, Inc.

125 Perry Street

Hill, Pa. 19109

Business Division of

Barber Industries, Inc.

Route 152

Stateville, Pennsylvania

Shipments shall be made in vehicles containing no other
material except as authorized and in accordance with the procedures
described in your application dated March 23, 1961.

For the Atomic Energy Commission

Distribution

Mr. T. Morris

Winning Tr. (2)

Health

Mr. Schale, Ltr

J. C. Delany, Ltr

Byall, Ltr

Assistant Director for Facilities

and Materials Licensing

Division of Licenses and Regulation

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Westinghouse

ELECTRIC CORPORATION

TR-HP-547



TESTING REACTOR



PO BOX 1074
PITTSBURGH, PA

April 5, 1961

Mr. Lyall Johnson
Division of Licensing & Regulation
U.S. Atomic Energy Commission
Washington 25, D. C.

Pursuant to 10 CFR 72, Paragraph 72.23, application is made
hereby for approval to ship non-irradiated WTR fuel elements from
Westinghouse Testing Reactor, Waltz Mill, Pennsylvania to the following
locations, in addition to those authorized in your letter of
March 11, 1961:

Englehard Industries, Inc.
149 Murray Street
Newark, New Jersey

Makepeace Division of
Englehard Industries, Inc.
Route 152
Plainville, Massachusetts

The shipments will be carried out under the Special Nuclear
Materials Provision of our Operating License TR-2. All other conditions
applicable under the present permit to ship to the Westinghouse Atomic
Energy Department, Forest Hills, Pa. and to the Westinghouse Atomic
Energy Department, Cheswick, Pa. will apply.

If you require additional information, please feel free to
contact us.

Very truly yours,

Robert J. Catlin

Robert J. Catlin, Manager
Health Physics Section

RJC:paw



YOU CAN BE SURE of the Westinghouse

UNITED STATES GOVERNMENT

*Memorandum*TO : J. C. Clarke, Manager
New York Operations Office

DATE: February 23, 1961

FROM : Kenneth A. Dunbar, Manager
Chicago Operations OfficeSUBJECT: PHYSICAL INVENTORY OF LICENSE MATERIALS AS OF 12/31/60 -
ENGELHARD INDUSTRIES, INC., D. E. MAKEPEACE DIVISION, SNM-185

TS:JP

A complete physical inventory was made of SS materials, as of December 31, 1960, in conjunction with our SS materials survey of Station DEM. The following is an analysis of the difference between the inventory reported, as of December 31, 1960, on Form AEC-578, and the physical inventory:

	Enriched Uranium (Gm)	
	Element	Isotope
Ending Inventory, Form AEC-578	3,954,199.00	1,044,318.16
Physical Inventory as of 12/31/60	3,947,127.26	1,042,676.74
Difference	7,071.74	1,641.42

According to the licensee, the difference is not defined as a loss for the following reasons:

- Estimates have been included in the inventory of miscellaneous scrap.
- All elements are shipped on an analytical basis.
- A large quantity of scrap of questionable value is in the process of recovery.
- Any difference that arises at the conclusion of a completed contract will be taken up at that time.

TO	ACTION	SIGNATURE	DATE
TSM			

RECEIVED
Kenneth A. Dunbar

FEB 27 2 47 PM '61

CHECKED BY
POSTED BY
DATE

cc to



UNITED STATES
ATOMIC ENERGY COMMISSION
CHICAGO OPERATIONS OFFICE
9800 SOUTH CASS AVENUE
ARGONNE, ILLINOIS

October 12, 1960

Mr. Edward O'Neil
SS Materials Representative
D. E. Makepeace Division
Pine and Dunham Streets
Attleboro, Massachusetts

Dear Mr. O'Neil:

We have rescheduled our SS Materials Management Survey for the period November 28 through December 2, 1960 to coincide with the year-end closing of November 30, 1960 mentioned in your October 5, 1960 letter.

We will advise you later concerning members of the survey team, pick-up arrangements and necessary reservations.

Very truly yours,

Sheldon Kops, Chief
Nuclear Materials Branch
Technical Services Division

cc: R. W. Kirkman, Director, Compliance
Division, New York Operations Office

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CMP		<i>[Signature]</i>	

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MAAO COMPLIANCE DIVISION

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OCT 13 1960

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September 28, 1960

Mr. Edward O'Neill, SS Materials Representative
D. E. Makepeace Company
Pine & Dunham Streets
Attleboro, Massachusetts

Dear Mr. O'Neill:

The Nuclear Materials Branch of the Chicago Operations Office plans on conducting a nuclear materials management survey at D. E. Makepeace Company, Attleboro, Massachusetts from October 24 through October 28, 1960. The survey team will consist of Messrs. William P. Donovan and John Pellettiers.

To assure ourselves that there is no commingling of licenses and accountability material, we plan on inventorying both groups of SS material.

We will contact you later concerning reservations.

Very truly yours,

Sheldon Kops, Chief
Nuclear Materials Branch
Technical Services Division

cc: R. W. Kirkman, Director
Compliance Division, New York Operations Office

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NSAEC - WAGO

TO	ACTION	SIGNATURE	DATE
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WAGO COMPLIANCE DIVISION

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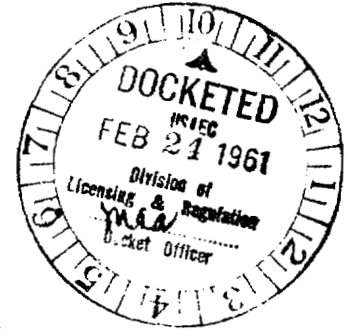
ENGELHARD INDUSTRIES, INC.

D. E. MAKEPEACE DIVISION
PINE & DUNHAM STREETS
ATTLEBORO, MASS.
ATTLEBORO 1-0080

OUR NEW TELEPHONE
NUMBER IS
CASTLE 2-5500

February 21, 1961

MM Kevin
MM Nelson
sd



Mr. J. C. Delaney, Chief
Nuclear Materials Branch
Division of Licensing and Regulation
U.S. Atomic Energy Commission
Washington 25, D.C.

Dear Mr. Delaney:

We would like to take this opportunity of commenting on your letter of February 10th addressed to Mr. Canham.

He has obtained a memorandum from Norton Weiss, our Health and Safety Officer, copy of which I am enclosing, herewith. We feel this covers the situation and trust you agree.

Thanking you for bringing these matters to our attention, we are

Very truly yours,

D. E. MAKEPEACE DIVISION

W. F. Mittendorf
W. F. Mittendorf
Senior Vice-President

WFM/ms
Enclosure

ENGELHARD INDUSTRIES, INC.

D. E. MAKEPEACE DIVISION
ATTLEBORO, MASS.

DATE February 17, 1961

TO MR. C. A. Canham

SUBJECT AEC Letter of 2-10-61

COPIES TO

Mr. W. P. Mittendorf

With reference to the above letter from the AEC mentioning two (2) instances of non-compliance with our license, the following comments are in order:

At the time of the alleged overexposure to Walker and Cloutier, July 1960, radiation surveys were made with G-M survey meters which were the only instruments available to us. It was felt that, in view of the high levels of radiation which were being encountered, instrumentation of a higher capability and wider range should be obtained. Additional instruments were procured and also additional personnel to utilize them properly.

We have been in compliance with sections 20.201, and 20.401 since September 1960 and this fact was confirmed by Mr. Klevin in his inspection made in December 1960.

Sincerely,



Morton M. Weiss

MMW/s1