

EXPERT SYSTEM LICENSE EVALUATION  
EVALUATION REPORT FOR LICENSE SUB-00172

Licensee: ENGELHARD INDUSTRIES INC(D.E. MAKEPEACE DIV.)  
Site of operation: PINE & DUNHAM STS., ATTLEBORO, MA

The final ranking for SITE CONTAMINATION is: 135

DESCRIPTION OF ACTIVITY OR FACILITY: MANUFACTURE/FABRICATION

--Type and form of materials licensed--

Material--

--Form--

SOURCE MATERIAL

Loose material

--For evaluation purposes, amounts of the following materials were obtained--

Material--

--Form--

--Amount--

--Unit--

SOURCE MATERIAL

60000.00

LB

Rank of the license based on the loose materials licensed: 36

DESCRIPTION OF FIRST SITE AT WHICH SUB-00172 WAS USED

PINE & DUNHAM STREETS IN ATTLEBORO, MA.

1. License was for loose materials, or materials handled loose
2. There was one identifiable site with this license.
3. FIRST SITE: Description of activity was inadequate to determine whether buildingat site could have been left with significant contamination. No change in score.

Reviewer's comments concerning potential CONTAMINATION  
LICENSEE WORKED WITH LOOSE MATERIALS IN OPERATIONS (ESPECIALLY  
MELTING) WITH A POTENTIAL FOR CONTAMINATION AND WITHOUT THE BENEFIT  
OF AN EFFICIENT HEALTH PHYSICS PROGRAM.

4. FIRST SITE: There was some decon of facility or site at CLOSEOUT  
Score=0.9\*score
5. FIRST SITE: There was inconclusive evidence of releases or  
there was evidence of limited release. Score=1.2\*score
6. Information insufficient to judge frequency of turnover for  
operation Score not changed

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7. FIRST SITE: There was limited use of glove boxes, hoods, or protective clothing
8. FIRST SITE: Possible inappropriate disposal or abandonment of contaminated material from glove boxes, hoods, clothing. Score=score\*1.1
9. FIRST SITE: There was significant generation of waste material in routine cleanup of facility. Score=score\*1.5
10. FIRST SITE: Possible inappropriate disposal or abandonment of contaminated material from cleanup. Score=score\*1.2
11. FIRST SITE: There was limited generation of slag or sludge in the operation. Score=score\*1.2
12. FIRST SITE: File contains evidence that slag or sludge generated
13. FIRST SITE: There was some documentation of materials disposition, but not complete. Score=score\*0.9
14. FIRST SITE: There was no available information indicating onsite disposal of material or waste at the site. Score not changed
15. FIRST SITE: There WAS a closeout survey for this site. Change in score depends on subsequent conclusions about the survey.
16. FIRST SITE: The closeout survey was conducted before 1970. Score=score\*.95
17. FIRST SITE: There was some check for alpha contamination, but not thorough. Score=0.85\*score
18. FIRST SITE: There was NOT an NRC FINAL INSPECTION of the facility.

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CATEGORY FOR POTENTIAL SITE CONTAMINATION:  
HIGHEST PRIORITY-Category 1A

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The final ranking for SITE CONTAMINATION is:	135
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Description of THE LICENSEE ACTIVITY AUTHORIZED by this license

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FUEL ELEMENT FABRICATION AND SOME RESEARCH AND DEVELOPMENT

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Reviewer's comments concerning license SUB-00172

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SUB-172 was issued in April, 61, for the Attleboro, Ma. facility previously covered under license C-3719 issued in April, 57; C-4941; and C-5161. The chief operation under this license appeared to be the fabrication of fuel elements. There is no intermediate inspection for SUB-172, but the inspection of Dec., 61(? 1960) cited the previous license C-5161 for several noncompliances including inadequate air sampling for uranium concentrations in unrestricted areas due to incineration of uranium contaminated waste; no air samples around the melting furnace; failure to limit exposures of the melt operator; and no labels on depleted uranium containers. Three licensee letters provided the following information on disposition, decontamination, and the survey.

8-27-62: All source and SNM have been disposed of according to regulations. All processing and storage areas have been decontaminated.

10-10-62: Contaminated equipment sold to Italian AEC and is being shipped.

6-27-63: Requested termination of the license. Licensee survey was attached.

An unsigned letter of 9-27-63 from the director of Division of Licensing and Regulation states that the review of the survey concluded that due to insignificance of contamination no license would be required for receiving or possessing the equipment or facility. The survey should be reviewed as it appears contamination was left in the facility which would not be acceptable by present standards.

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EXPERT SYSTEM EVALUATION WAS BASED ON THE  
INVENTORY RECORD IN JOB 0526, BOX 02

Docket 40-00768

Licensee: ENGELHARD INDUSTRIES INC(D.E. MAKEPEACE DIV.)  
Address: PINE & DUNHAM STS., ATTLEBORO, MA Zip:  
State of operation: MA  
Disposition information present: LICENSEE LETTER STATING DISPOSITION  
Contents of letter: 3 LETTERS(8-27-62;10-10-62; & 6-27-63)  
A closeout survey was conducted for this license by the licensee  
This license was listed as terminated on 09/27/63  
Remarks:

JOB NUMBER: 0526 BOX NUMBER: 02

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OTHER RECORDS NEWLY ENTERED OR CORRECTED:

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CONTENTS OF  
INVENTORY RECORD IN JOB 0307, BOX 09

Docket 40-00768

Licensee: ENGELHARD INDUSTRIES INC.(D.E. MAKEPEACE DIV.)  
Address: PINE AND DUNHAM STREETS IN ATTLEBORO, MA Zip:  
State of operation: MA  
Disposition information present: OTHER DOCUMENT PRESENT IN FILE  
Contents of other disposition information:  
OCT., 62, AEC INSPECT. & SURVEY REPORT: EQUIP. CONTAM. W U-235 & U-238  
Matl. Transfrd to: SOME ON & IN EQUIP. TO AN AGENCY OF THE ITALIAN GOV  
License to which transferred:

Two closeout surveys were conducted for this license by NRC and the licensee  
There is an NRC inspection report in this license file  
This license was listed as terminated on 09/27/63

Remarks:

JOB NUMBER: 0307

BOX NUMBER: 09

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Date of last evaluation/revision: 08/11/92

Reviewer: