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Section 30.24(h)(2)(i), 10 CFR 30 ^{includes a request}
with respect to the distribution of exempt construction,
that the product or material is not likely to be
inhaled. The nature of solder flux, and its
attendant fumes during use, is such that this request
is not satisfied.

A/24

John Sullivan

Draft /
GWKerr:mma
3/7/63

redraft

L&R:IB:GWK (49403)

National Lead Company
1050 State Street
P. O. Box 831
Perth Amboy, New Jersey

Attention: Mr. N. S. Muccilli

Gentlemen:

This is in reference to your application dated February 6, 1963, and letter from J. J. Cullen dated March 5, 1963, requesting a byproduct material license.

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From the information submitted, it appears that your use Iodine 131 for determining extrusion characteristics in solder would:

1. Result in distribution of solder containing byproduct material to the general public;
2. Result in ^{*a significant likelihood of*} the inhalation of byproduct material by the consumer of the solder; ~~also~~
3. Result in ^{*significant*} ~~air~~ concentrations of Iodine 131 at the breathing zone, ^{*and*} of the user of the solder.

the
~~old~~ Calculated breathing zone concentration^s of 6.4×10^{-11} microcuries ^{*of Iodine 131*} per cubic centimeter of air is equivalent to 21.3 per cent of the maximum permissible concentration for soluble Iodine 131 as stated in Appendix B, Table II, Column I, of Title 10, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation".

insert

Accordingly, pursuant to the Atomic Energy Act of 1954, as amended, and the regulations of 10 CFR 30, your request is hereby denied without prejudice to the submission of a new application.

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Pursuant to the Commission's "Rules of Practice" Title 10, Code of Federal Regulations, Part 2, Section 2.103(b)(4), you may request a formal hearing in this matter by filing a written request to the Office of the Secretary, United States Atomic Energy Commission, Washington 25, D. C., within thirty (30) days after the issuance of this notice of denial.

FOR THE ATOMIC ENERGY COMMISSION

Lyall Johnson, Assistant Director
for Materials Licensing
Division of Licensing & Regulation

Enclosures:
10 CFR 2, 20 & 30

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Kerr

Brinkman

Cunningham

OGC

Johnson