

## MATERIALS LICENSE

Amendment No. 22

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

## Licensee

1. Crane Midwest Fittings
2. 1450 South Second Street  
St. Louis, MO 63166

In accordance with application dated  
July 27, 1983

3. License number 24-00563-02 is amended in  
its entirety to read as follows:

4. Expiration date September 30, 1985

5. Docket or  
Reference No. 030-05066

6. Byproduct, source, and/or  
special nuclear material

A. Iridium-192

B. Cobalt-60

C. Cobalt-60

7. Chemical and/or physical  
form

A. Sealed source(s)  
(Technical Operations  
Model A-424-1)

B. Sealed source(s)  
(Technical Operations  
Model A-424-3)

C. Sealed source(s)  
(Technical Operations  
Model A-453-2)

8. Maximum amount that licensee  
may possess at any one time  
under this license

A. No single source  
to exceed 50  
curies

B. No single source  
to exceed 20  
curies

C. No single source  
to exceed 20  
curies.

## 9. Authorized Use

- A. For use in Technical Operations Model 412 exposure devices for industrial radiography and in Technical Operations Model 650 source changers for storage and replacement of sources.
- B. For use in Technical Operations Model 491 exposure devices for industrial radiography and in Technical Operations Model 416 or 771 source changers for storage and replacement of sources.
- C. For use in Technical Operations Model 520 exposure devices for industrial radiography and in Technical Operations Model 416 or 771 source changers for storage and replacement of sources.

## CONDITIONS

10. Licensed material shall be used only at the licensee's facilities at 1450 South Second Street, St. Louis, Missouri.

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**MATERIALS LICENSE**  
SUPPLEMENTARY SHEET

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11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections," Part 20, "Standards for Protection Against Radiation," and Part 34, "Licenses for Radiography and Radiation Safety Requirements for Radiographic Operations."
12.
  - A. Pursuant to Section 34.25, 10 CFR 34, the licensee is authorized to perform tests for leakage or contamination of the sealed sources authorized by this license in accordance with procedures contained in application dated July 27, 1983.
  - B. Notwithstanding the periodic leak test required by Section 34.25(b), 10 CFR 34, such requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
  - C. Sealed sources authorized for a use other than radiography shall be tested as radiography sources in accordance with Section 34.25 of 10 CFR 34.
13. The licensee is authorized to receive, possess, and use sealed sources of Iridium 192 or Cobalt 60 where the radioactivity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:
  - A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for Iridium 192 or 10% for Cobalt 60;
  - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor of the byproduct material; and
  - C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in Section 34.21, 10 CFR 34.
14. Sealed sources containing licensed material shall not be opened.
15. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of uranium contained as shielding material in the radiography exposure devices and source changers authorized by this license.

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16. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 27, 1983; and letters dated March 7, 1985 and June 18, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



For the U.S. Nuclear Regulatory Commission

Date July 2, 1985

Original Signed  
By J.R. Madera  
Materials Licensing Section, Region III

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