

MATERIALS LICENSE

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. Pittsburgh-Des Moines Corporation	3. License number 14-01837-05	
2. 921 Murphy Des Moines, IA 50306	4. Expiration date October 31, 1987	
	5. Docket or Reference No. 030-18708	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Iridium-192	A. Technical Operations Model A-424-9 sealed sources	A. No single source to exceed 100 curies
B. Iridium-192	B. Technical Operations Model 90003 source assemblies	B. No single source to exceed 200 curies
C. Iridium-192	C. Technical Operations Model A-58101-8 sealed sources	C. No single source to exceed 200 curies
D. Cesium-137	D. Technical Operations Model 77302 sealed source	D. One source not to exceed 160 millicuries

9. Authorized Use

- A. For use in Technical Operations Model 660 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 920 exposure devices for industrial radiography and in Technical Operations Model 850 source changers for storage and replacement of sources.
- C. For use in Technical Operations Model 616 exposure devices for industrial radiography.
- D. For use in Technical Operations Model 7733 Instrument Calibrator Kit for calibration of instruments.

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CONDITIONS

10. Licensed material shall be used only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11.
 - 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 August 23, 1982, as amended October 4, 1982.
 - B. Notwithstanding the periodic leak test required by Section 34.25(b) of 10 CFR Part 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 before use or transfer to another person.
 - 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 Part 34.
12. 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 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 this 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 of 10 CFR Part 34.
13. Pursuant to 10 CFR 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.
14. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".
15. All records required by condition of this license and/or Nuclear Regulatory regulations shall be maintained at the licensee's permanent address at 921 Murphy Street, Des Moines, Iowa.

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16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated August 23, 1982 (as amended October 4, 1982) and
- B. Letter dated July 27, 1985.



For the U.S. Nuclear Regulatory Commission

Date DEC 26 1985Original Signed
By Bruce S. Mallett
Materials Licensing Section, Region III

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