

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, 36, 39, 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.

<p style="text-align: center;">Licensee</p> <p>1. NRD, LLC</p> <p>2. 2937 Alt Boulevard P. O. Box 310 Grand Island, New York 14072</p>	<p>In accordance with the application dated July 6, 2004,</p> <p>3. License number 31-28397-01G is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date January 31, 2015</p> <hr/> <p>5. Docket No. 03031215 Reference No. 04-01100-01G</p>
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| 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. Polonium 210 | A. Foil sources (NRD Model P-001) | A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State |

9. Authorized use:
- A. Pursuant to 10 CFR 30.33, the licensee is authorized to distribute the foil sources specified in Condition 11 of this license to persons generally licensed pursuant to 10 CFR 31.3, or equivalent provisions of the regulations of any Agreement State.

CONDITIONS

10. The licensee may distribute only from its facilities located at 2937 Alt Boulevard, Grand Island, New York.

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11. Each device distributed pursuant to the conditions of this license shall be in accordance with the following table:

<u>Device Model Number</u>	<u>Isotope</u>	<u>Source Model Number</u>	<u>Maximum Activity Per Source</u>
1C200	Polonium-210	P-001	500 microcuries
1U200	Polonium-210	P-001	500 microcuries
1U400	Polonium-210	P-001	500 microcuries
3C500	Polonium-210	P-001	500 microcuries
2U500	Polonium-210	P-001	500 microcuries
3U400	Polonium-210	P-001	500 microcuries
5U500	Polonium-210	P-001	500 microcuries

12. This license does not authorize possession or use of licensed material.
13. The licensee shall maintain records containing the following information for each device transferred under this license:
- Identification of the batch of polonium-210 foil used in the manufacturing;
 - Date of fabrication of the device;
 - Amount of radioactive material encased and how the amount was determined.
14. The licensee shall test foil sources for leakage and/or contamination to ensure that each device distributed is free from removable contamination. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the appropriate U.S. Nuclear Regulatory Commission, Regional Office referenced in Appendix D of 10 CFR Part 20. The report shall specify the source involved, the test results, and corrective action taken.

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15. The licensee shall file an annual report with the Director of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. This report shall contain the number of units of each model transferred and the total quantity of polonium-210 per model.
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 U.S. 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 July 6, 2004 (ADAMS Accession No.: ML042040473)
B. Letter dated August 25, 2004 (ADAMS Accession No.: ML042460689)

For the U.S. Nuclear Regulatory Commission

Date January 3, 2005By *Original signed by Kathy Dolce Modes*Kathy Dolce Modes
Security and Industrial Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406