



OHIO DEPARTMENT OF HEALTH

246 North High Street
Columbus, Ohio 43215

614/466-3543
www.odh.ohio.gov

John R. Kasich / Governor

Theodore E. Wymyslo, M.D. / Director of Health

March 1, 2013

Northrop Grumman Systems Corporation
Attn: David Lacey
460 West Cresentville Rd
Cincinnati, Ohio 45246

Dear Mr. Lacey,

Enclosed is your initial State of Ohio Radioactive Materials License Number 03214310003. This license has been prepared in accordance with the information provided in your application. Please review the license to ensure that you understand all of the conditions. If you have any questions or detect any errors, do not hesitate to contact the Bureau of Radiation Protection (BRP) at 614-644-2727.

Your license will expire on 03/01/2018. You must conduct your radioactive material program in accordance with your license, representations made in your license application and the Ohio Administrative Code. In particular, you must:

1. Notify the BRP in writing, within the appropriate time frames, when:
 - a. An authorized user or Radiation Safety Officer discontinues duties under the license or has a name change;
 - b. The licensee's mailing address changes;
 - c. You decide to terminate all activities involving radioactive materials authorized under your license; or
 - d. If you decide not to possess or use the authorized radioactive material.
2. Request to obtain a license amendment before you:
 - a. Receive or use radioactive material not authorized on your license;
 - b. Change Radiation Safety Officer;
 - c. Order radioactive material of a different form or in excess of the amount authorized on your license;
 - d. Add or change areas of use, which involve the use of radioactive materials requiring a written directive;
 - e. Add or change areas or addresses of use identified in the license application or on the license;
 - f. Change ownership of the organization; or
 - g. Permit anyone to work as an authorized user who is not listed on your license.
3. Submit a complete license Renewal Application at least 90 days before the expiration date of your license (180 days for broad-scope licensees).

The BRP will periodically inspect your operations involving licensed materials. Failure to conduct your radioactive material program in accordance with State of Ohio regulations, license conditions and representations made in your license application may result in enforcement actions against you.

The Ohio Department of Health (ODH) has recently adopted a new Safety Culture Policy Statement. While this policy statement is not a regulation, it sets forth the agency's expectations for individuals and organizations to establish and maintain a positive safety culture for regulated programs using radioactive materials and/or radiation-generating equipment in Ohio. You may access the policy statement on the BRP home page of the ODH web-site at: <http://www.odh.ohio.gov/odhprograms/rp/radprot/radppub1.aspx>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture within your organization.

Sincerely,

Stephen James
Supervisor
Bureau of Radiation Protection

OHIO DEPARTMENT OF HEALTH
LICENSE FOR RADIOACTIVE MATERIAL

Pursuant to Chapter 3748 of the Ohio Revised Code, and in reliance on statements and representations made by the licensee, a license is hereby issued authorizing the licensee named herein to receive, acquire, possess, and transfer radioactive material as 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 applications of Chapter 3748 of the Ohio Revised Code and all applicable rules promulgated thereunder. This license is subject to all applicable rules, regulations and orders of the Ohio Department of Health now or hereinafter in effect and to any conditions specified below.

LICENSEE	LICENSE NUMBER
1. Northrop Grumman Systems Corporation	3. 03214310003
2. 460 West Crescentville Road Cincinnati, Ohio 45246	EXPIRATION DATE
	4. March 1, 2018
	FILE NUMBER – ID NUMBER
	5. 501445-5751

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| 6. RADIOACTIVE MATERIAL | 7. CHEMICAL AND/OR PHYSICAL FORM | 8. MAXIMUM QUANTITY THAT LICENSEE MAY POSSESS AT ANY ONE TIME UNDER THIS LICENSE |
| A. Cesium-137 | A. Sealed Source | A. Total possession not to exceed 1.04 kBq (28.02 nCi). |
| B. Sodium-22 | B. Sealed Source | B. Total possession not to exceed 3.63 kBq (98.2 nCi). |
| C. Cobalt-60 | C. Sealed Source | C. Total possession not to exceed 0.780 kBq (21.09 nCi). |
| D. Cobalt-57 | D. Sealed Source | D. Total possession not to exceed 0.619 kBq (18.76 nCi). |
| E. Manganese-54 | E. Sealed Source | E. Total possession not to exceed 1.11 kBq (30.8 nCi). |
| F. Barium-133 | F. Sealed Source | F. Total possession not to exceed 0.666 kBq (18.6 nCi). |
| G. Cadmium-109 | G. Sealed Source | G. Total possession not to exceed 0.658 kBq (17.88 nCi). |

9. Authorized Use

- A. through G. To be used for the calibration and standardization of ionizing radiation detection instruments.
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CONDITIONS

10. Licensed material may only be used at the licensee's facilities located at:
- A. 460 West Crescentville Road
Cincinnati, Ohio 45246
11. The Radiation Safety Officer for this license is:
- A. David Lacey
12. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in application dated November 26, 2012 or have completed the manufacturer's training program and have been approved in writing by the Radiation Safety Officer.
13. All sealed sources that are used or obtained shall have been evaluated or approved under the provisions of OAC 3701:1-46-49, or equivalent NRC or Agreement State regulations.
14. The licensee shall conduct a physical inventory every 6 months, or at another interval approved by the Director, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for at least 3 years from the date of each inventory, and shall include the quantities and kinds of licensed material, manufacturer's name and model numbers, location of the sources and/or devices, and the date of the inventory.
15. Sealed sources shall be tested for leakage and/or contamination in accordance with OAC 3701:1-38-24.
16. Sealed sources containing licensed material shall not be opened or removed from source holders by the licensee.
17. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of sealed source licensed material to quantities below the minimum limit specified in OAC 3701:1-40-17 for establishing decommissioning financial assurance.

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	License Number: 03214310003
	File Number – ID Number: 501445-5751
	Amendment No. Initial

18. 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 Ohio Department of Health's statutes, rules, and orders shall govern unless statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Initial license application dated November 26, 2012 and email correspondence dated February 4, 2013.

For the Ohio Department of Health

DATE:

3/1/13

BY:



Michael J. Snee, Chief
Bureau of Radiation Protection
On behalf of the Director of Health