

NORTHROP GRUMMAN

Northrop Grumman Systems Corporation
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March 29, 2016

ATTN: Document Control Desk/Exempt Distribution
Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

**RE: 2015 Product Transfer Report
Northrop Grumman Systems Corporation
License Number: 19-00428-11E**

Please find enclosed, the 2015 Product Transfer Report for the period of January 1, 2015 to December 31, 2015, for Northrop Grumman Systems Corporation (License # 19-00428-11E).

This enclosed report is prepared in accordance with 10 CFR 32.16. The products listed in the report are transferred for use under 30 CFR 15(a)(8)(i) and (vi) and also per Maryland Radioactive Material License # MD-03-005-03.

Should you have any questions please feel free to contact me at 410-765-5920.

Sincerely,



Kevin O'Connor
Radiation Safety Officer
Northrop Grumman Systems Corporation

NORTHROP GRUMMAN SYSTEMS CORPORATION
2015 PRODUCT TRANSFER REPORT
LICENSE #19-00428-11E

(January 1, 2015 – December 31, 2015)

| Assembly Part Number | # of Units | # of Tritium Rods per Unit | Total # of Rods | Tritium Activity per Rod (mCi) | Total Tritium Activity (Ci) | # of Pm147 Tubes per Unit | Total # of Pm147 Tubes | Pm 147 Per Tube (μCi) | Total Pm147 Activity (mCi) |
|----------------------|------------|----------------------------|-----------------|--------------------------------|-----------------------------|---------------------------|------------------------|-----------------------|----------------------------|
| 436R178G01 | 16 | 0 | 0 | 0 | 0.000 | 1 | 16 | 12 | 0.192 |
| 561R140H01/H03 | 1 | 1 | 1 | 142 | 0.142 | 0 | 0 | 0 | 0.000 |
| 561R140H04 | 37 | 0 | 0 | 0 | 0.000 | 1 | 37 | 30 | 1.110 |
| 583R534H10 | 0 | 0 | 0 | 0 | 0.000 | 1 | 0 | 28 | 0.000 |
| 588R499H01 | 5 | 1 | 5 | 110 | 0.550 | 1 | 5 | 4 | 0.020 |
| 138C436A01 | 0 | 2 | 0 | 30.5 | 0.000 | 2 | 0 | 30 | 0.000 |
| 346R035H01 | 0 | 1 | 0 | 142 | 0.000 | 0 | 0 | 0 | 0.000 |
| 346R035H03/H04 | 8 | 0 | 0 | 0 | 0.000 | 1 | 8 | 30 | 0.240 |
| 581R815H08 | 0 | 1 | 0 | 50 | 0.000 | 4 | 0 | 4 | 0.000 |
| 561R518H01/H02 | 0 | 2 | 0 | 61 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6867277-1 | 1 | 0 | 0 | 0 | 0.000 | 1 | 1 | 30 | 0.030 |
| 541R579G01 | 0 | 1 | 0 | 110 | 0.000 | 0 | 0 | 0 | 0.000 |