

NORTHROP GRUMMAN

Northrop Grumman Systems Corporation
Mailstop 1401
Post Office Box 1693
Baltimore, Maryland 21203

January 15, 2018

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: 2017 Product Transfer Report
Northrop Grumman Systems Corporation
License Number: 19-00428-11E**

Please find enclosed, the 2017 Product Transfer Report for the period of January 1, 2017 to December 31, 2017, 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 10 CFR 30.15(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 410-765-4085.

Sincerely,

Alison L. Woudstra

Alison L. Woudstra
Radiation Safety Officer
Northrop Grumman Systems Corporation

Cert/RR: 7015 0640 0007 6200 4011

NMSSD3

NORTHROP GRUMMAN SYSTEMS CORPORATION
2017 PRODUCT TRANSFER REPORT
LICENSE #19-00428-11E

(January 1, 2017 – December 31, 2017)

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	23	0	0	0	0.000	1	23	12	0.276
561R140H01/H03	2	1	2	142	0.284	0	0	0	0.000
561R140H04	17	0	0	0	0.000	1	17	30	0.510
583R534H10	0	0	0	0	0.000	1	0	28	0.000
588R499H01	0	1	0	110	0.000	1	0	4	0.000
346R035H01	0	1	0	142	0.000	0	0	0	0.000
346R035H03/H04	45	0	0	0	0.000	1	45	30	1.350
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	18	0	0	0	0.000	1	18	30	0.540
541R579G01	0	1	0	110	0.000	0	0	0	0.000