

# 2018 Federal NRC Transfer of Byproduct (Krypton 85 Gas) Material Report

(Sales of Imported lamps containing Krypton 85 Gas)

**Due Date: Mail & Email No Later than January 31st, 2019**

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

**EMAIL:** [Hipolito.Gonzalez@nrc.gov](mailto:Hipolito.Gonzalez@nrc.gov)  
[Deborah.weaver@nrc.gov](mailto:Deborah.weaver@nrc.gov)  
[Donald.Lowman@nrc.gov](mailto:Donald.Lowman@nrc.gov)  
[Tomas.Herrera@nrc.gov](mailto:Tomas.Herrera@nrc.gov)

**Licensee:** *Worldwide Specialty Lamp*  
 6759 Oak Ridge Commerce Way SW  
 Austell, Georgia 30168

**License #:** 10-23967-01E

**Phone:** 770-948-0755 Ext. 24  
**Fax:** 770-948-0689  
**Email:** [charlotte@wslusa.com](mailto:charlotte@wslusa.com)

**Amount of radionuclide per lamp: (Amount listed below is specified in production, actual levels are less in lamps)**  
 Each lamp contains up to 25 kBq/l (0.005000 to 0.010000dmq) of Krypton 85 gas sealed inside each lamp/bulb  
 These products containing Kr-85 are transferred for use under 10 CFR 30.15(a)(8)(iv) as required by 10 CRF 32.16 (a)(2).

SERIES	ITEM NUMBERS & DESCRIPTIONS	Qty	Microcuries $\mu$ Ci	Total Microcuries $\mu$ Ci
HP 200	23047 HPA 250-500 30SD FX		0.001780	
	913134045 Cleo HPA 250-500 SE FX		0.001780	
	004.0100 / 10075 HPA 250w Round Base Plug In		0.001780	
	004.0110 LET 250w Various Replacement		0.001780	
HP 300	004.0040 LET 300w-500w SE		0.003690	
HP 400	004.0004 LET 400w R7s		0.003810	
	004.0005 LET 400w leads		0.003810	
	23040 HPA 400w 30SL		0.003810	
	23042 HPA 400w 30 SDL		0.003810	
	23043 HPA 400 S Long Philips Corona		0.003810	
	23049 HPA 400w/30S		0.003810	
	938358945 HPA 400/30SD		0.003810	
	004.0003 LET 500w leads		0.010000	
HP 500	004.0006 LET 500w R7s		0.010000	
	004.0105 LET Corona 500-700 SEK Single Ended Keyed Base	312	0.003690	1.150000
	004.0140 LET 520w Plus Plug In	960	0.003690	3.540000
	004.0206 LET 500w Turn Socket	900	0.005670	5.100000
	004.0042 LET 610w - Blade		0.005670	
HP 600	004.0043 LET 620w	360	0.005670	2.040000
	004.0102 LET 620w SE-S		0.005670	
	004.0044 LET 630w	360	0.005670	2.040000
	004.0243 LET 650w Turn Socket	2124	0.005670	12.040000
HP 700	004.0070 LET 700w R7s		0.005670	
	004.0051 LET HPA 700 FX Replacement		0.005670	
	23450 HPA 700/800 FX C	753	0.010880	8.190000
	004.0270 LET 500w Turn Socket (Matrix Only)	240	0.005670	1.360000
HP 1000	004.0013 LET 1000w 220v wire lead		0.019780	
	004.0037 LET 1000w-1500w 220v		0.019780	
	004.0038 LET 1000w 380v wire lead		0.019780	
	004.0041 LET 1000w single ended Corona		0.021750	
	004.0047 LET 1000w Keyed Base	252	0.021750	5.480000
	004.2013 LET 1000w Turn Socket	240	0.019780	4.740000
	23447 HPA 1040SE FX Single ended Keyed Base		0.021750	
	23451 HPA 1010 SE FX		0.021750	
HP 1200	23452 HPA 1001R		0.021750	
	23046 HPA 1200S FX 1000w/220v wirelead		0.019780	
	23051 HPA 1220FX 1000w 380v 4pk wirelead		0.019780	
HP 1400	004.0049 LET 1400w ISO wirelead replacement	240	0.024480	5.870000
	004.0052 LET 1400w Kalfasun replacement		0.024480	
	004.0101 LET 80-120 SE-K 500w-1400w	36	0.024480	0.880000
HP 1500	004.0045 LET 1510w		0.024480	
	004.0048 LET 1530w	444	0.024480	10.860000
HP 2000	23052 HPA 2020 S/FX 2000w 380v wirelead		0.024480	
	920671845 CLEO HPA 2040w S FX		0.024480	
	MPI14002 Radium Super Light 2400w 380v-400v wireleads	12	0.024480	0.290000
		<b>7233</b>		<b>63.580000</b>
		<b>Total Lamps</b>		<b>Total kBq</b>