

2021 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, 2022

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
Deborah.weaver@nrc.gov
Donald.Lowman@nrc.gov
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

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 CFR 32.16 (a)(2).

SERIES		ITEM NUMBERS & DESCRIPTIONS	Qty	Microcuries µCi	Total Microcuries µCi
HP 200	004.0100	10075 HPA 250w Round Base Plug In		0.001780	0.000000
	004.0110	LET 250w Various Replacement		0.001780	0.000000
	23047	HPA 250-500 30SD FX		0.001780	0.000000
	913134045	Cleo HPA 250-500 SE FX		0.001780	0.000000
HP 300	004.0040	LET 300w-500w SE		0.003690	0.000000
HP 400	004.0004	LET 400w R7s		0.003810	0.000000
	004.0005	LET 400w leads		0.003810	0.000000
	23040	HPA 400w 30SL		0.003810	0.000000
	23042	HPA 400w 30 SDL		0.003810	0.000000
	23043	HPA 400 S Long Philips Corona		0.003810	0.000000
	23049	HPA 400w/30S		0.003810	0.000000
	938358945	HPA 400/30SD		0.003810	0.000000
HP 500	004.0003	LET 500w leads		0.010000	0.000000
	004.0006	LET 500w R7s		0.010000	0.000000
	004.0105A	LET Corona 500-700 SEK Single Ended Keyed Base	258	0.003690	0.952020
	004.0140	LET 520w Plus Plug In	153	0.003690	0.564570
	004.0206	LET 500w Turn Socket		0.003690	0.000000
HP 600	004.0042	LET 610w - Blade		0.005670	0.000000
	004.0043	LET 620w		0.005670	0.000000
	004.0044	LET 630w		0.005670	0.000000
	004.0102	LET 620w SE-S		0.005670	0.000000
	004.0170	LET 600-800wGY9,5 Keyed	221	0.005670	1.253070
	004.0243	LET 650w Turn Socket		0.005670	0.000000
HP 700	004.0051	LET HPA 700 FX Replacement		0.005670	0.000000
	004.0070	LET 700w R7s		0.005670	0.000000
	23450	HPA 700/800 FX C		0.010880	0.000000
HP 800	004.0270	LET 500w Turn Socket (Matrix Only)	378	0.005670	2.143260
HP 1000	004.0013	LET 1000w 220v wire lead		0.019780	0.000000
	004.0037	LET 1000w-1500w 220v		0.019780	0.000000
	004.0038	LET 1000w 380v wire lead		0.019780	0.000000
	004.0041	LET 1000w single ended Corona		0.021750	0.000000
	004.0047	LET 1000w Keyed Base	352	0.021750	7.656000
	004.2013	LET 1000w Turn Socket	432	0.019780	8.544960
	23447	HPA 1040SE FX Single ended Keyed Base		0.021750	0.000000
	23451	HPA 1010 SE FX		0.021750	0.000000
	23452	HPA 1001R		0.021750	0.000000
HP 1200	23046	HPA 1200S FX 1000w/220v wirelead		0.019780	0.000000
	23051	HPA 1220FX 1000w 380v 4pk wirelead		0.019780	0.000000
HP 1400	004.0049	LET 1400w ISO wirelead replacement	107	0.024480	2.619360
	004.0052	LET 1400w Kalfasun replacement		0.024480	0.000000
	004.0101	LET 80-120 SE-K 500w-1400w		0.024480	0.000000
HP 1500	004.0045	LET 1510w		0.024480	0.000000
	004.0048	LET 1530w		0.024480	0.000000
HP 2000	23052	HPA 2020 S/FX 2000w 380v wirelead		0.024480	0.000000
	920671845	CLEO HPA 2040w S FX		0.024480	0.000000
	MPI14002	Radium Super Light 2400w 380v-400v wireleads		0.024480	0.000000
			1901		23.733240
			Total Lamps		Total kBq