

**From:** Reber, Eric  
**Sent:** Friday, January 29, 2016 5:04 PM  
**To:** 'Charlotte Groves'  
**Cc:** Fred  
**Subject:** RE: 2015 Federal NRC Transfer of Byproduct (Krypton 85 Gas) Material Report  
**Attachments:** RIS 2014-10 Exempt Distribution.pdf

Dear Ms. Groves,

I've reviewed the exempt distribution report that was attached to your email dated January 29, 2016.

Please revise and resubmit your report to indicate that your products were transferred for use under 10 CFR 30.15(a)(8), as required by 10 CFR 32.16(a)(2). Also, in your report, you indicated that your lamps contain less than 25 kBq of Kr-85. The reporting requirements in 10 CFR 32.16(a) refer to the actual amount of radioactivity that is distributed; therefore, you should estimate the actual amount of Kr-85 that is distributed and report this amount. Further information about the requirements that apply to annual reports of exempt distribution can be found in the attached Regulatory Issue Summary.

A hard copy of your revised report should be sent to:

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

Please be aware that upon your request, proprietary information submitted to the NRC may be withheld from public disclosure. To do this, you must follow the procedures in 10 CFR 2.390(b) including requesting withholding at the time the information is submitted and complying with the document marking and affidavit requirements set forth in 10 CFR 2.390 (b)(1).

If you have any questions, please feel free to contact me.

Regards,  
Eric

Eric H. Reber  
General Engineer/Project Manager  
Materials Safety Licensing Branch  
Division of Material Safety, State, Tribal, and Rulemaking Programs  
US Nuclear Regulatory Commission  
Washington, DC 20555-0001  
Tel: +1 (301) 415-5608  
Office: T-8i04

---

**From:** Charlotte Groves [<mailto:charlotte@wslusa.com>]

**Sent:** Friday, January 29, 2016 2:46 PM

**To:** Reber, Eric <[Eric.Reber@nrc.gov](mailto:Eric.Reber@nrc.gov)>

**Cc:** Fred <[fred@wslusa.com](mailto:fred@wslusa.com)>

**Subject:** [External\_Sender] 2015 Federal NRC Transfer of Byproduct (Krypton 85 Gas) Material Report

Dear Eric,

Attached is the 2015 Federal NRC Transfer of Byproduct (Krypton 85 Gas) Material Report.

Feel free to call or email with any questions or concerns and thank you in advance for your cooperation.

*Charlotte Groves*  
*Office Administrator*



**Worldwide Specialty Lamp**

6759 Oak Ridge Commerce Way SW

Austell, Georgia 30168 USA

[www.wslusa.com](http://www.wslusa.com)

[www.wsl-europe.com](http://www.wsl-europe.com)

**800-547-9191 Toll Free**

**770-948-0755 Local**

**770-948-0689 Fax**

# 2015 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, 2016**

**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:** Eric.Reber@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**

SERIES	ITEM NUMBERS & DESCRIPTIONS	Qty	kBq	Total kBq
HP 1000	004.0013 LET 1000w 220v wire lead		25	
	004.0037 LET 1000w-1500w 220v	42	25	1050
	004.0038 LET 1000w 380v wire lead		25	
	004.0041 LET 1000w single ended Corona	140	25	3500
	004.0047 LET 1000w Keyed Base	170	25	4250
	23447 HPA 1040SE FX Single ended Keyed Base		25	
	23451 HPA 1010 SE FX		25	
	23452 HPA 1001R		25	
	HP 1200	23046 HPA 1200S FX 1000w/220v wirelead		25
23051 HPA 1220FX 1000w 380v 4pk wirelead			25	
HP 1400	004.0049 LET 1400w ISO wirelead replacement		25	
	004.0052 LET 1400w Kalfasun replacement		25	
	004.0101 LET 80-120 SE-K 500w-1400w		25	
HP 1500	004.0045 LET 1510w		25	
	004.0048 LET 1530w		25	
HP 200	23047 HPA 250-500 30SD FX		25	
	913134045 Cleo HPA 250-500 SE FX		25	
HP 2000	004.0029 LET 2000w 380v wirelead		25	
	004.0039 LET HPA 2000w/220v wire lead		25	
	23052 HPA 2020 S/FX 2000W 380V wirelead		25	
	920671845 CLEO HPA 2040w S FX		25	
HP 300	004.0040 LET 300w-500w SE		25	
HP 400	004.0004 LET 400w R7s		25	
	004.0005 LET 400w leads		25	
	23040 HPA 400w 30SL		25	
	23042 HPA 400w 30 SDL		25	
	23043 HPA 400 S Long Philips Corona		25	
	23049 HPA 400w/30S		25	
	938358945 HPA 400/30SD		25	
	HP 500	004.0003 LET 500w leads		25
004.0006 LET 500w R7s		25		
	004.0105 LET Corona 500-700 SEK Single Ended Keyed Base		25	
HP 600	004.0042 LET 610w - Blade		25	
	004.0043 LET 620w		25	
	004.0044 LET 630w	106	25	2650
HP 700	004.0070 LET 700w R7s	67	25	1675
	23450 HPA 700/800 FX C		25	
		<b>525</b>		<b>13125</b>
		<b>Total Lamps</b>		<b>Total kBq</b>