

**From:** [Aggie Barlow](#)  
**To:** [Lawyer, Dennis](#)  
**Subject:** Re: Data on Bulbs  
**Date:** Wednesday, August 29, 2012 1:31:58 PM  
**Attachments:** [lamp\\_parameters MG.xls](#)

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Good afternoon.

LSI was able to provide me quickly with the information about the amount of mercury in the lamps that they are licensed to distribute. You also requested that we find out the number of lamps that a CT recycler handles in a year. It was obtaining that number that required some time.

Northeast lamps recycling has told us that they can handle up to 7,000 lamps per hour and around 45,000 lamps per day to recycle as universal waste. This means about 9-10 million lamps per year.

In terms of the amount of mercury contained in the lamps that LSI distributes, I am attaching a chart with that information. Note that by far the largest number of sales of lamps by LSI are the 400 w products which contain about 14 mg of mercury. The mercury that they contain is referred to as "triple distilled" mercury and I believe it is all elemental mercury.

As we have discussed, the number of lamps that LSI is likely to need to recycle in a year is very small, surely less than 100 and in all likelihood, much less than this. The environmental impact of both the Kr-85 and the mercury is truly insignificant.

If you require any additional information, please let us know.

Regards,

Agnes Barlow, CHP  
for LSI of Orange CT

On 8/29/12, Lawyer, Dennis <Dennis.Lawyer@nrc.gov> wrote:

> Ms. Barlow,  
>  
> I thought I would check about getting the data that I had requested. The  
> amount of mercury in the lamps sold by Light Sources, Inc. and the amount of  
> Mercury recycled from lamps that a local recycler would reclaim in a year.  
> I believe you thought you would be able to get that information to me last  
> week.  
>  
> Thank You,  
>  
> Dennis Lawyer  
> Health Physicist  
> U.S. Nuclear Regulatory Commission  
> Division of Nuclear Material Safety  
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