

# Appliance Demanufacturing NEWS

January, 2009

Issue 3

## Financial Assurance Update

Proof of financial assurance was due by July 1<sup>st</sup>, 2008, in which most of the facilities have complied with this requirement. We realize this was a big learning experience for all involved, but necessary to meet EPA requirements.

You might be interested in what facilities used for their financial assurance mechanism.

- 55% Bond
- 44% Letter of credit
- <1% Trust fund

What about the amounts? Here is the breakdown:

- Highest was around \$ 28,000
- Lowest was around \$ 700
- Average was around \$ 5,300

There were roughly 28 facilities who decided not to continue their permit; some of those facilities were larger ones just consolidating their demanufacturing efforts, while some were struggling due to the scrap price fluctuations and/or competition.

Thanks to all for your efforts!

## Mercury Storage Reminders: (IAC 567 chapter 118.10)

All components containing mercury must be removed with precautions to prevent breakage.

► Mercury-containing waste storage containers must be labeled with the proper EPA-approved mercury label stating in both English and the predominant language of any non-English-reading workers:

- “Universal Waste-Mercury Containing Equipment”
- “Waste Mercury-Containing Equipment”
- “Used Mercury-Containing Equipment”

► Label the container with the date when the first mercury-containing component was placed in the container.

► Store for no longer than one year and not exceed 11,025 lbs at any time.

► Seal container prior to being shipped to an EPA-approved mercury recycling/recovery facility.

**L = Label and Date**  
**A = Arrange for recycling within a year**  
**M = Must document**  
**P = Proper storage**

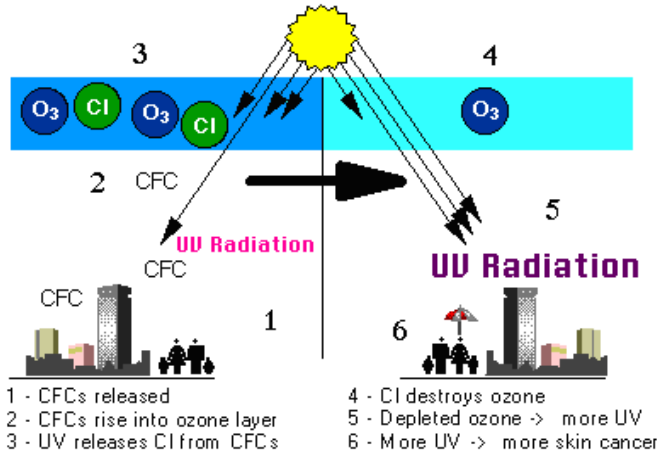
## LAMP RULE



**DO NOT** rely on the age of the appliance to determine if capacitors contain PCBs or not. Although ballasts in the U. S. could not be manufactured using PCBs after 1979, some appliances are from over seas and still contain capacitors that are not labeled, as not containing PCBs. EPA states you must handle them as if they **DO** contain PCBs. Also, the appliance could have been to a repair shop and the non-PCB capacitor replaced with a PCB containing capacitor or ballast.

# Appliance Demanufacturers making a difference!

## Ozone Depletion Process



Source: www.epa.gov

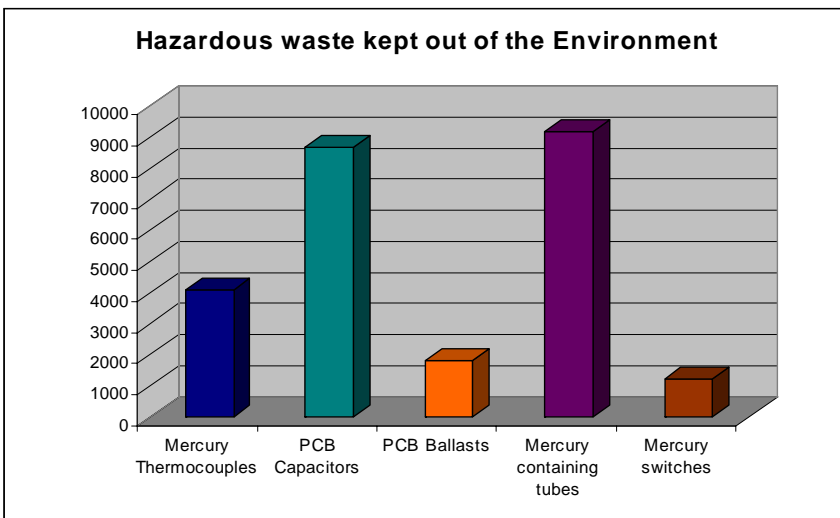
### Do you ever wonder why you are required to submit an annual report to the department?

It is important to keep track of hazardous wastes kept out of our land, water and atmosphere and with the annual report that you provide, we can obtain this important information. Appliance demanufacturers play an important role in keeping our state free of hazardous pollution. Appliance demanufacturers play a vital role in future generation's well being.

**PCBs** are a probable carcinogen and alter major systems in the body (immune, hormone, nervous, and enzyme system). They are not excreted so the body accumulates PCBs over years.

**Mercury** in products do not pose a threat, until it is released. Once in the human body, mercury acts as a neurotoxin and interferes with the brain and nervous system.

**Refrigerants** deplete the ozone causing several human and environmental problems, such as global warming and increased skin cancer.



In 2007, Iowa permitted Appliance Demanufacturers removed roughly 1,828 PCB ballasts; 8,702 PCB capacitors; 4098 mercury thermocouples, 1,225 mercury switches, 167,600 lbs of refrigerant and 9,200 mercury containing lamps from 161,000 appliances. What a great effort by our Iowa permitted facilities!



Thank you  
for your  
**Environmental  
Stewardship!**

Does your facility accept end-of-life-vehicles? Did you know that you can get **PAID** for the mercury switches in vehicles which you are required to remove? Contact [www.elvsolutions.org](http://www.elvsolutions.org) or Mary Bills at 877-255-3587 for more information.

Looking for information on your appliance demanufacturing permit? You can now view them online at: <https://ahpst.documentdna.com/iowadnr/index.jsp>, username= waste07, password = iowadnr1. Type in your facilities' permit number and you will have access to all of your permit correspondence!

Have questions regarding your permit? Contact Susan Johnson at 515-2812-7982 or [susan.johnson@dnr.iowa.gov](mailto:susan.johnson@dnr.iowa.gov). If you know of someone demanufacturing without a permit, please contact our office or field office with jurisdiction. You can remain anonymous.