

Mercury Lights Product Stewardship Update

MRW Coordinators Meeting April 10, 2012

Kara Steward & Hawa Morrison

Waste 2 Resources

Ecology

Mercury Lights

- **RCW 70.275**
 - 2010 Law passed
 - 2013 Program begins
- **Rule Process**
 - Current status
 - Collector rules
- **Stewardship Program**
 - State contractor
 - MRW collectors



Mercury Lights Law

RCW 70.275 Mercury Lights – proper disposal

- Producer funded
- Collection, transportation, and recycling
- “Residential” lights
- 1 site per county plus 1 site per city (>10,000 pop)
- Drop 15 lights in a 90 day period
- No charge at drop off



Mercury Lights Rule

Draft Mercury-Containing Lights Product Stewardship Rule – WAC 173-910

March ■ Informal comment

June ■ Formal rule

August ■ Public hearing

November ■ Rule adoption



The screenshot shows the Department of Ecology website for the Mercury Lights Product Stewardship program. The page includes a navigation menu with links for Home, WATER, AIR, WASTE, CLEANUP, TOXIC HAZARDS, GREEN, Programs, Services, Publications & Forms, Databases, Laws & Rules, Public Involvement Calendar, and Public Records. The main heading is "Mercury Lights Product Stewardship".

MERCURY LIGHTS HOME

Resources
Rule Development
Contact Us

Information for...

Producers
Retailers, Wholesalers, Distributors, Utilities
Consumers
Local Governments

Draft rule amendments are available for review and comment beginning 2/27/2012 for the Informal Comment Period: 2/27/2012 - 3/9/2012.

- [Draft Rule Feb 2012](#)
- [Public Notice: Informal comment period and requested feedback](#)

Submit comments to Kara Steward, via:

- Email: kara_steward@ecy.wa.gov
- Mail: Kara Steward
WA Dept of Ecology-W2R Program, PO Box 47600 Olympia, WA 98504-7600

Overview of Rule Amendment

In October 2011 the Department of Ecology (Ecology) began the rule-making process for a new mercury lights product stewardship program. Chapter 70.275 RCW requires Ecology to establish rules to implement this program. This rule is needed to clarify product stewardship program requirements.

<http://www.ecy.wa.gov/programs/swfa/mercurylights/rulemaking.html>

Mercury Lights Rule

Draft Mercury-Containing Lights Product Stewardship Rule – WAC 173-910

March ■ Informal comment

June ■ Formal rule

August ■ Public hearing

November ■ Rule adoption

[Sign up on the Mercury Listserv](http://listserv.wa.gov/cgi-bin/wa?Ao=ECOLOGY-MERCURY-CONTAINING-LIGHT)



<http://listserv.wa.gov/cgi-bin/wa?Ao=ECOLOGY-MERCURY-CONTAINING-LIGHT>

Draft Collector Rule

- *“Collectors of mercury-containing lights will not process collected lights”*
- Drum crusher processed materials not included in the program



HWTR Focus Sheet on Bulb Crushers

<http://www.ecy.wa.gov/pubs/1104009.pdf>

Mercury Lights Program

Current Status

- Producer fees



SYLVANIA



- Ecology oversight
- Start Jan 2013

- Stewardship Organization
 - Stewardship plan
 - **Collection service**
 - Transport system
 - Processor/recycler



50,000 BULBS OUT OF LANDFILLS
FREE RECYCLING AT YOUR OFFICE



Mercury Lights Program

Stewardship Organization

- Minimum 113 sites (by law)
- Collection sites:
 - MRW collectors, transfer stations, recyclers
 - Retailers, lighting stores, hardware stores
 - Lamp distributors
- Collection events (rural areas)



Mercury Lights Program

2012 Stewardship Timeline

- May ■ Ecology contract
- June ■ Contracting
- October ■ Site prep
- November ■ Plans complete (safety/spill)
- January ■ Program Start



Collection Sites

Responsibilities

- Register (w/SO)
- Post program info
- Proper storage
- Safe handling



- **Segregate lights**
- Spill/release plan
- Worker safety plan
- Proper shipping material

Potential Fluorescent Lights Collection Sites in WA

Counties by Population

Counties w/ cities <10,000

65,000

11,402

2,000

Counties w/ cities >10,000

2,000,000

244,949

30,000

● Collection Sites
Total: 118

Map based on:

1 collection site per county
and
1 collection site per
city >10,000

Data based on incorporated
cities/towns only



Outreach

Consumer messaging

- Product websites
- Hotline support
- Stickers, brochures, posters
- Trade shows
- School programs
- Advertising (news/radio)
- Smartphone
- Facebook & Twitter

**FLUORESCENTS
SAVE ENERGY.
RECYCLING SAVES
THE EARTH.**

Fluorescent and high intensity discharge lamps with the symbol  contain mercury, and it's illegal to dispose of them in the trash in Massachusetts. Visit www.lamprecycle.org for information and resources to keep you in compliance with the Massachusetts Mercury Management Act.

NEMA
Setting Standards for Excellence



Outreach

Stewardship Organization

- Update website info
- Program brochures
- Communication
- Joint advertising
- Trade associations
- Retailer visits



17 Drop-off locations near you

Home Hardware

- 3322 Dunbar Street
- 4459 West 10th Avenue

Canadian Tire

- 2290 Cambie Street
- 2830 Bentall Street

Kerrisdale Lumber Co Ltd

- 6191 West Boulevard

Home Depot

- 900 Terminal Avenue
- 2388 Cambie Street

London Drugs

- 1187 Robson Street
- 710 Granville Street
- 1650 Davie Street
- 150-351 Abbott Street
- 525 West Broadway
- 2230 West Broadway
- 2091 West 42nd Avenue
- 3328 Kingsway Avenue
- 5639 Victoria Drive
- 2585 East Hastings Street

Vancouver

No cost to drop off! Residential-use compact fluorescent lights (CFLs) and fluorescent tubes only. Maximum limit of return at one time is 16 lights.

 **LightRecycle** 1-800-667-4321
www.lightrecycle.ca



Scan the QR code for a map of all 195 LightRecycle drop-off locations.

Mercury Lights

Kara Steward

- 360-407-6250
- kara.steward@ecy.wa.gov

Hawa Morrison

- 360-407-6999
- hawa.morrison@ecy.wa.gov



<http://www.ecy.wa.gov/programs/swfa/mercurylights/>

- **SLIDES that follow are not included in the presentation**

Program Development



| WA Mercury-Containing Lights Program Implementation | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | 2013 |
|----------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Draft, revised draft, and final product stewardship plan | | | | | | | | | | |
| Assess current collection, transport, recycling and communications for product in WA | ● | | | | | | | | | |
| Develop product stewardship plan based on ECOLOGY's requirements | ● | | | | | | | | | |
| Research relevant stakeholders and service providers | ● | | | | | | | | | |
| Consult ECOLOGY, key stakeholders and the public for feedback | ● | | | | | | | | | |
| Revise plan based on feedback from ECOLOGY, key stakeholders and the public | | ● | | | | | | | | |
| -List of collectors, transporters and processors that establish the statewide program | ● | | | | | | | | | |
| Develop collection site network | ● | ● | ● | ● | ● | ● | ● | | | |
| Recruit collection sites | | | ● | ● | ● | ● | ● | ● | ● | |
| Prepare collection sites (equipment, signs, training) | | | | | | | ● | ● | ● | |
| Develop collection site manual | | | | | | | ● | ● | | |
| Audit collection sites (if needed) | | | | | | | | ● | ● | |

Other graphics



Do it right! Drop off your used fluorescent lights and tubes for safe recycling.

Responsible: Keep your used fluorescent lights and tubes out of the landfill. Bring them to a LightRecycle drop-off location for safe recycling, free of charge. Do not put fluorescent lights in the garbage or the blue box/bag. Residential-use fluorescent lights only. No LED, halogen, incandescent or commercial-use lights accepted.

Safe: Handle fluorescent lights carefully. Do not break or puncture. Wrap lights in paper or place them in original packaging before taking them to a LightRecycle drop-off location. For information on safe handling and clean up, visit Health Canada's website at www.hc-sc.gc.ca or call BC's Recycling Hotline at 1-800-667-4321.

Easy: Visit www.lightrecycle.ca or call 1-800-667-4321 to find the LightRecycle drop-off location nearest you.



Product Care Association
4 drop-off locations in #MapleRidge BC to recycle your fluorescent bulbs
www.lightrecycle.ca

Burnt out?
Recycle your fluorescent lights!

4 Drop-off locations near you

- Shelby Builders Supply
- Maple Ridge Lighting
- London Drugs
- Maple Ridge Recycling Depot

Maple Ridge

No cost to drop off fluorescent lights. Limited hours and quantity. Recycle responsibly. Recycle responsibly. Recycle responsibly.

LightRecycle

Burnt Out?
Recycle your fluorescents

LightRecycle

To find the LightRecycle drop-off location nearest you visit www.lightrecycle.ca or call 1-800-667-4321

Reduce. Relight. Recycle.

You can recycle your used CFL bulbs here. And not only is it a good idea, it's the law.

For more information go to www.lightrecycle.ca

Reduce. Relight. Recycle.

You can recycle your used CFL bulbs here. And not only is it a good idea, it's the law.

In addition to helping keep our environment clean, you're saving energy too. Because CFLs use less—and we think that's a very bright idea.

For more information go to www.lightrecycle.ca

FREQUENTLY ASKED QUESTIONS

FIND A DEPOT

ACCEPTED PRODUCTS

Reduce. Relight. Recycle.

You can recycle your used CFL bulbs here. And not only is it a good idea, it's the law.

In addition to helping keep our environment clean, you're saving energy too. Because CFLs use less—and we think that's a very bright idea.

For more information go to www.lightrecycle.ca



Like · Comment · February 28 at 11:31am

Product Care

We are a non-profit association that manages recycling and stewardship programs for paint, fluorescent lights, and household hazardous waste across Canada.

Stay in touch with Product Care

Tweets

Jarvis La Couvée
Need to recycle used fluorescent light bulbs? Here's where - BC Light Recycle Depot, on 1/18/12 @ JarvLacouv

Product Care
New campaign targets single alarms in all homes by 1/18/12. Old single smoke & CO alarms can be recycled with aluminum recycle ca

Product Care
RT @maplebc: List of e-Recycling events taking place in #BC

Product Care
It's #WashWasteDay. Participate by reducing using the word #maplebc

Product Care
Do it right! Drop off your used fluorescent lights and tubes for safe recycling.

Burnt out?
Recycle your fluorescent lights!

17 Drop-off locations near you

- Home Hardware
- 3322 Dunbar Street
- 4459 West 10th Avenue
- Canadian Tire
- 2290 Cambie Street
- 2830 Bentall Street
- Kerrisdale Lumber Co Ltd
- 6191 West Boulevard
- Home Depot
- 900 Terminal Avenue
- 2388 Cambie Street
- London Drugs
- 1187 Robson Street
- 710 Granville Street
- 150-261 Abbott Street
- 525 West Broadway
- 2230 West Broadway
- 2091 West 42nd Avenue
- 3328 Kingsway Avenue
- 5639 Victoria Drive
- 2585 East Hastings Street

Vancouver

LightRecycle

Residential-use compact fluorescent lights (CFLs) and fluorescent tubes only. Maximum limit of returns at one time is 16 lights.

1-800-667-4321
www.lightrecycle.ca

Do it right! Drop off your used fluorescent lights and tubes for safe recycling.

Responsible: Keep your used fluorescent lights and tubes out of the landfill. Bring them to a LightRecycle drop-off location for safe recycling, free of charge. Do not put fluorescent lights in the garbage or the blue box/bag. Residential-use fluorescent lights only. No LED, halogen, incandescent or commercial-use lights accepted.

Safe: Handle fluorescent lights carefully. Do not break or puncture. Wrap lights in paper or place them in original packaging before taking them to a LightRecycle drop-off location. For information on safe handling and clean up, visit Health Canada's website at www.hc-sc.gc.ca or call BC's Recycling Hotline at 1-800-667-4321.

Easy: Visit www.lightrecycle.ca or call 1-800-667-4321 to find the LightRecycle drop-off location nearest you.

LightRecycle



Product Care Association
4 drop-off locations in #MapleRidge BC to recycle your fluorescent bulbs
www.lightrecycle.ca

