



**call 1300 32 62 92**

**VICTORIA**

**CMA Ecocycle**  
5-11 Reo Crescent  
Campbellfield VIC 3061  
P: (03) 9308 9415  
F: (03) 9308 9416

**SOUTH AUSTRALIA**

**CMA Ecocycle**  
16-20 Johansson Road  
Wingfield SA 5013  
P: (08) 8262 4558

**WESTERN AUSTRALIA**

**CMA Ecocycle**  
Unit 8, 89 Christable Way  
Lansdale WA 6065  
P: (08) 9302 6887

**NEW SOUTH WALES**

**CMA Ecocycle**  
22 Christie Street  
St. Marys NSW 2760  
P: (02) 9833 4155

**QUEENSLAND**

**CMA Ecocycle**  
1204 Lytton Road  
Hemmant QLD 4174  
P: (07) 3260 1796

**TASMANIA**

**CMA Ecocycle**  
256 George Town Road  
Rocherlea TAS 7248  
P: (03) 6326 3177

[www.cmaecocycle.net](http://www.cmaecocycle.net)

# Recycling of Tubes, Globes and LED Lights

## What are you doing with your fluorescent tubes?

The mercury from one fluorescent tube can pollute 30,000 litres of water beyond a safe level of drinking.

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Did you know  
**Globally, mercury emissions result in the contamination of our waterways & bushland causing untold damage to the environment and human health.**



**The crush and separation technology; flexible and efficient - cost effective**

At present mercury is used in products such as energy efficient fluorescent tubes and lamps, mercury zinc batteries and medical equipment. Mercury is also still widely used in dental application.

Due to it's high toxicity and tougher regulations governing its disposal, landfill and incineration are no longer acceptable ways to safely dispose of mercury waste.

Recovery and recycling is the only safe, efficient and effective way to reduce current levels of mercury in our environment.

Recycling these materials saves landfill space, reduces greenhouse gas production and safeguards our environment.

We all have a responsibility to promote and support recycling to ensure environmental sustainability.

Our strength is our ability to offer a whole solution for the handling and recycling of mercury bearing waste. The technology involves both the separation of different materials and the recovery of the mercury.

The first stage involves the crushing and separation with the second stage the distillation. Both involve state-of-the-art technology to offer you a safe and environmentally sound solution.

Crush and separation technology offers you the ability to recycle all types of fluorescent tubes and lamps. Our patented process of dry separation makes this a very clean and efficient method of processing mercury bearing waste and is proven against the toughest environmental standards worldwide.

This technology affords the ability to process many mercury bearing products such as halogen and fluorescent tubes and lamps, CFLs, HIDs, batteries, switches, rectifiers, manometers and thermometers. Our distiller can also handle medical and dental waste, filters, sludge, catalysts, powders, military waste and many other mercury bearing metals and production waste.

**Recycle today** for a better **tomorrow...**



**Aluminium**

Aluminium from tube ends is separated and subsequently recycled into cast products such as ingot used for foundry applications.



**Glass**

Glass from the tubes and lamps is separated and recycled into many industries.



**Mercury**

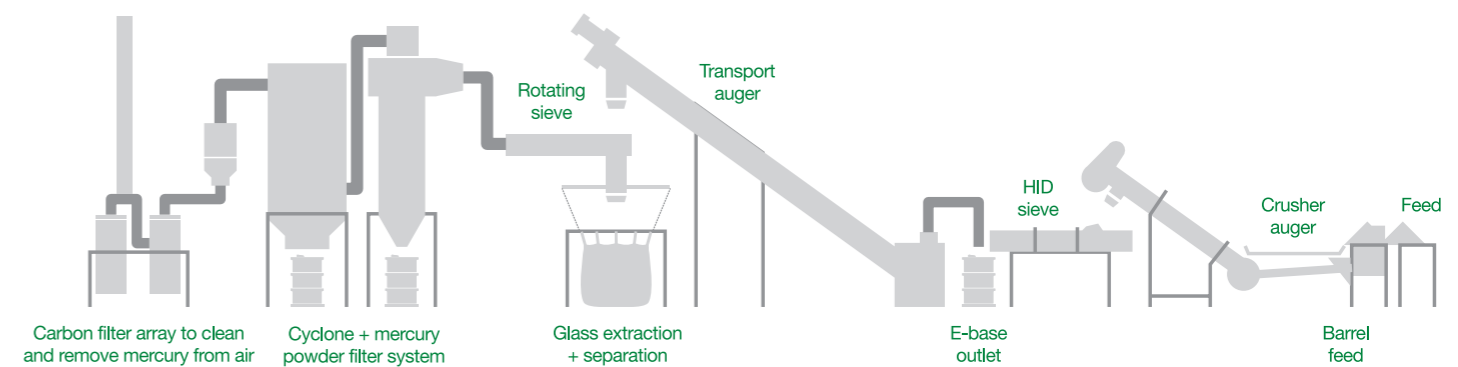
Mercury is distilled from the separated powders and then re-used in the manufacture of dental amalgam.



**Phosphor Powder**

Phosphor powder from the fluorescent tubes and globes still has a use due to its rare earth metal content.

**The LP600 lighting waste processing plant**



Fluorescent Tube Collection Box



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