

# Fluorescent Tube Recycling Service

‘Ideally suited to all commercial and industrial customers who generate used fluorescent tubes over a period of time.’

**S**ITA Environmental Solutions Fluorescent Tube Collection and Recycling Service provides customers with a safe and efficient way of disposing of used fluorescent tubes whilst reducing their environmental risks.

SITA introduced this service as disposal to landfill or incineration is no longer an acceptable option due to high toxicity levels and tougher government regulations.

#### **How the collection service works –**

Participating customers are issued with a ‘Starter Pack’ which includes a cardboard box designed to hold

up to 100 fluorescent tubes (approx 1200mm long), and an identification sign for use at the collection point where the box is located.

Once the box is filled, customers contact SITA on 13 13 35 to arrange for its collection and the delivery of a replacement box. High volume users can request additional boxes.

- Ideally suited to all commercial and industrial customers who generate used fluorescent tubes over a period of time.
- The mercury contained in one fluorescent tube can pollute 30,000 litres of water beyond a safe drinking level.
- The mercury, glass, aluminium and phosphor powder from fluorescent tubes can all be recycled – saving valuable resources and helping prevent environmental damage.

specifications >

# Fluorescent Tube Recycling Service

## What happens to the tubes?

ARA processes and recycles the components found in fluorescent tubes using crush and separation technology.

Components include mercury, aluminium, phosphor powder and glass.

The end result is that hazardous, discarded products are transformed into clean, environmentally sound by-products.

- Mercury is distilled from the separated powders and then re-used in the manufacture of dental amalgams.
- Aluminium from the tube ends is separated and recycled into cast products such as ingots used in foundry applications.
- Phosphor powder is used in the manufacture of fertiliser products for the agriculture industry.
- Glass is separated and recycled into glass wool used for home insulation.

## Collection Box Specifications

Capacity	100 tubes
Length	1224mm
Width	270mm
Height	270mm



‘The end result is that hazardous, discarded products are transformed into clean, environmentally sound by-products.’

**Note** Specifications are a guide only. Printed on recycled paper using environmentally friendly soy-based inks.

**SITA's Range of Services include** Small Business Waste, Commercial Waste, Industrial Waste, Recycling, Product Destruction, Waste Audits, Government, Domestic Waste, Liquid Waste, Medical Waste, Security Disposal, Builders Bins, Temporary Bins and Hygiene Services