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Fireworld Recycling Program Statement

Fireworld are an environmentally conscious company. We continually reducing our environmental footprint where possible. Fireworld cater for company's who require removal of the old fire extinguishers. These are fire extinguishers which may have used or are at the end of the 5 yearly cycle. This is the AS1851 requirement, for the pressure test and recharge for fire extinguishers. Fireworld use two Australian based recycling companies in NSW and Victoria. We have found that amongst the metal recyclers, these two companies provide the best ecological solution for Fireworld.

1. Recycling of fire extinguishers,

Fireworld collect the old fire extinguishers and road freight these to the recyclers.

1.1 Dry chemical ABE powder

This is the most common fire extinguisher medium and would make up over 60% of the fire extinguishers in the Australian market. The main ingredient in ABE powder is Monoammonium phosphate. This is a natural occurring substance and is a major ingredient of agricultural fertilizers. Made from two constituents common in the fertilizer industry, Phosphorus (P) and nitrogen (N). Our recyclers are sourcing the ABE powder, to reused as fertiliser, in different industries

2.1 Foam and wet chemical fire extinguishers

The contents emptied into drums and sent to accredited waste chemical companies. The metal which is stainless steel and brass, to be recycled.

3.1 Co2 and air water fire extinguishers.

These are recycled for the metal content, aluminum, brass, and stainless steel, is recycled. One recycler makes dry ice form the contents of the CO2.

Everything that can be recycled from the fire extinguishers, is used by our recyclers.

Yours faithfully



Robert Hall
Manager



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Who we are:

DCI are small Victorian company born out of the desire to not see so much industrial waste be simply sent to land fill. Commencing operation in 2020, we have been on a steady but sure growth. Since our conception, there have been a couple of other companies attempt to imitate what we do, however they have been born out of copying, not knowledge and as such have not been able to achieve what DCI do.

What we do:

DCI are committed to ensuring the safe recycling of all facets of old/redundant or damaged fire extinguishers. Regardless of type, (IE powder, water, wet chemical or foam) we at DCI aim to optimise all possibilities of recycling available in Australia.

Foam extinguisher contents are chemically destructed in compliance with statutory regulations and copies of applicable certificates are available upon request. (Please note that at time of request, if your units have not been destructed, we will notify you of such and will forward once process complete).

How we do it:

We utilise extraction machinery to optimise the extraction process of powder extinguishers which is in turn transferred into bulk bags which are then utilised by several companies in the manufacturing of fertiliser. Additionally, a quantity is also utilised in the regeneration/reclamation process of old tip/refuse sites.

Rubber hoses are placed in a granulator machine to be used in asphalt for road surfacing.

Plastic tubing is granulated for recycling by multiple industries.

All extinguishers are completely “stripped” to ensure all various metals and parts are separated prior to sending to various specialised recycling companies.

DCI also recycles all cardboard boxes that extinguishers at times may be packaged in. DCI also utilises recycled cardboard “CUBES” for supplying to clients for their collection of extinguishers to assist in their avoidance of clutter. In addition, wire cages or IBC frames can be supplied for outside storage.

By agreement, DCI at times also accepts other metals for recycling purposes.

In summary, if you, like many, are being overrun by “scrap” from the essential services industry, then let DCI be your saviours.

Simply utilise any of the contact methods listed on the letterhead and we will be pleased to offer our assistance and discuss the various options that can be tailored to suit you.

Kindest regards

DCI Team