CPL ACTIVATED CARBONS

AND

H. ASKEY LTD

MANUAL FOR THE SERVICING OF VESSELS, CATEGORISATION OF WASTE AND PRODUCTION & HANDLING OF SPENT ACTIVATED CARBON WASTE ARISING FROM THE SERVICING OF PROCESS VESSELS AT A M A LTD, DINNINGTON ON BEHALF OF CPL ACTIVATED CARBONS

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# OVERVIEW

This manual has been jointly produced by CPL Activated Carbons and H. ASKEYLtd assisted by an environmental consultant. It describes the system for treatment and removal of waste arising from the servicing of activated carbon filters at the treatment plant at H. Askey Ltd, Rotherham on behalf of CPL Caron Link

This system should be followed at all times when managing the servicing of vessels. This will ensure that responsibilities under the waste regulations and particularly the duty of care (annex B, Environmental Protection Act 1990) are fully compliant.

# Identification and categorisation of waste spent activated carbon

The waste spent activated carbon arising from the service of each customer’s process vessel is assigned one of the following categories by CPL Activated Carbons. Each category has a card of its own colour which will be used to identify the waste. Categories and colours will be as follows:

Red: Non-Regenerable Carbon

Blue: Regenerable liquid phase carbon (coal based)

Orange: Regenerable air phase carbon (large granular)

Yellow: Regenerable air phase carbon (coal based)-pellets

H. ASKEY will be advised of the waste category to be used for the spent activated carbon waste arising at H. ASKEY premises from each service (together with the appropriate EWC code) using standard CPL Activated Carbons paperwork, prior to the arrival of each process vessel requiring servicing.

## Labelling and storage of Waste spent activated carbon

Activated carbon removed from each vessel shall be packed into the designated bags, clearly labelled according to the category assigned, with the correct coloured card, the EWC code for that waste clearly written on the card, SL Number, Customer name and stored in the appropriate area for reactivation or disposal as instructed.

There must not be any mixing of hazardous and non-hazardous wastes. There will be clearly marked area for each type.

## Removal of waste spent activated carbon from H. ASKEYsite

The arrangements for the transportation and reactivation of the spent activated carbon arising from the service of process vessels shall normally be made by CPL Activated Carbons as waste broker to H. Askey. The documentation for the transportation of the waste carbon to its final destination (reactivation or landfill) shall normally be prepared and issued by CPL Activated Carbons as the waste broker. The spent carbon leaving the site shall be moved using the Environment Agency’s consignment note for the transport of hazardous waste generated at the H. Askey site, as described in the Hazardous Waste Regulations, 2005 or (if non-hazardous) using a waste transfer (duty of care) note.

The EWC code for each waste movement shall be according to the waste category assigned by CPL Activated Carbons.

**RED CARD**

**CARBON TYPE:** Air Phase (4 mm Pellets and Large or Small Granular)

**TYPICAL CONTAMINANTS:**

Halogenated Organics (High Concentration)

**DISPOSAL METHOD:** Treatment/Landfill/Incineration

**INSTRUCTIONS** Remove carbon in the normal way and place in 500 kg bags with closed top.

**RECOMMENDED PPE:** Overalls, dust mask, gloves, boots

**BLUE CARD**

**CARBON TYPE:** Liquid Phase (Fine Granular Carbon) - Coal Based

**TYPICAL CONTAMINANTS:** TPH, Chlorinated Organics, BTEX

**DISPOSAL METHOD:** Regeneration

**INSTRUCTIONS** Remove carbon in the normal way and place in 500 kg bags with closed top.

**RECOMMENDED PPE:** Overalls, dust mask, gloves, boots.

**ORANGE CARD**

**CARBON TYPE:** Air Phase (Large Granular Carbon) - Coal Based

**TYPICAL CONTAMINANTS:** TPH, Chlorinated Organics, BTEX.

**DISPOSAL METHOD:** Regeneration

**INSTRUCTIONS** Remove carbon in the normal way and place in 500 kg bags.

**RECOMMENDED PPE:** Overalls, dust mask, gloves, boots

**YELLOW CARD**

**CARBON TYPE:** Air Phase (4 mm Pellets) - Coal Based

**CONTAMINANTS:** TPH, Chlorinated Organics, BTEX

**DISPOSAL METHOD:** Regeneration

**INSTRUCTIONS** Remove carbon in the normal way and place in 500 kg bags.

**RECOMMENDED PPE:** Overalls, dust mask, gloves, boots