OZONE LAYER PROTECTION BOARD VICTORIA
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Criteria for Re-certification of Halon Recovery/Recycling Equipment

OBJECTIVE

The objective of this document is to outline an applicable process for re-certification of Halon Recovery/Recycling Equipment which has an existing assessment report based upon either the "Halon Recovery/Recycling Criteria" previously issued in July 1993 by the Fire Protection Registration Board (Halon) or "Criteria for Halon Recovery/Recycling Equipment" as issued by the Ozone Layer Protection Board Victoria, Fire Protection (OLPBV).

Re-certification to these criteria is reliant upon an unchanged equipment design, appropriate records being maintained by the equipment owner/operator, and a leak test.

ASSESSMENT PROCEDURE

Item	Criteria	Re-certification activity
1.	Any equipment which is used to recover Halon, whether for recycling or storage shall have the capability of a minimum rate of 95% recovery from the container	Audit – Check records of transfers for quantities recovered (by weight). If records are not maintained, witness transfer and record quantities.
2.	If product is being recovered for recycling/re-use purposes, then: a. Recovered 1211 shall conform with the purity requirements of AS4077.1; and b. Recovered 1301 shall conform to the purity requirements of the original manufacturers specification.	Audit – Organisation should have records of periodic chemical analysis.
3.	Verification that the capability of the equipment to recover the minimum 95% level, has been previously certified by an approved agency. (This certification is at type test level.)	As per item 1
4.	The equipment shall be leak free and a Halon detector shall be used in conjunction with the equipment to ensure this.	Test – undertake leak test on equipment during actual transfer.
5.	An emergency shut off procedure shall be provided.	Audit – Should be same as for original certification.
6.	Safety and isolation equipment shall be provided to prevent loss of product to atmosphere in the case of a malfunction.	Inspection – Should be unchanged from original certification.
7.	The equipment shall ensure that the maximum fill of each container does not exceed the limited specified in AS2030.1.	Audit – There should be a record for every transfer.
8.	Personnel who use the equipment shall be fully trained in its operation, including emergency shut off procedures.	Audit – Evidence of appropriate and current OLPBV registration, and relevant training records.
9.	Personnel who test and/or maintain the equipment shall have a full knowledge and understanding of the equipment.	Audit – Evidence of appropriate current OLPBV registration, and engineering/technical knowledge of equipment.
10.	All containers used in recovery and storage process shall comply with AS2030.1 requirements. This is applicable to both temporary storage containers used during transfer of product and bulk long term storage containers.	Declaration – equipment unchanged from original assessment OR – full documentation for replacement components,
11.	All hardware within the equipment shall be compatible to the pressure and temperature requirements of the material to be recovered. This included, but is not restricted to, filters and valves.	Declaration – equipment unchanged from original assessment OR – full documentation for replacement components.
12.	If the equipment uses a pump, this pump shall be able to handle both liquid and vapour.	Declaration – equipment unchanged from original assessment OR – full documentation for replacement components.
13.	The equipment shall ensure ease of maintenance.	Inspection – Unlikely to be changed.
14.	The equipment will be tested periodically (after every 100 hours of operation) to ensure no equipment fault.	Audit – periodic test and maintenance records.