

# AUSTRALIAN MARSHALLING SERVICES

## Mobile Fumigant Recapture System

In line with the Groups' OHS&E policy, Australian Marshalling Services have adopted an Australian designed and built fumigant capture system. To comply with export markets quarantine requirements it is necessary to fumigate Australian logs with bark on prior to shipment. The fumigant used is Methyl Bromide, which is known to deplete the ozone layer. In 2005 the Montreal Protocol banned the general use of this product with an exception for quarantine and preshipment uses. Prior to the use of the Mobile Fumigant Recapture system (MFRS) the fumigant was vented to the atmosphere after the prescribed period of time under tarp. Now, the MFRS captures the fumigant during the venting process, not only protecting the ozone layer, but ensuring peripheral chemical exposure is greatly reduced.

*Exhaustive evaluation has proven conclusively that in under two hours a covered log stack with the prescribed level of Methyl Bromide can be reduced from 46 grams/m<sup>3</sup> to under 3 grams/m<sup>3</sup>. With the MFRS showing nil venting of the chemical to the atmosphere, and guaranteeing the safe capture of Methyl Bromide within the systems filters, which can be recycled or disposed of at approved sites.*



### MFRS

The capture system is fully self-contained and portable. It can be towed to any location, and operates using its own power generation system.



### PROCESS

The log stack is covered with tarpaulin, the prescribed quantity of MB is pumped in, after the fumigation period the MFRS extracts the chemical, treating it via a series of special filters before venting clean air back into the atmosphere.

