



**United Nations  
Environment  
Programme**



Distr.  
LIMITED

UNEP/OzL.Pro/ExCom/24/38  
25 February 1998

ORIGINAL: ENGLISH

EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Twenty-third Meeting  
Montreal, 12-14 November 1997

**SAFETY RELATED COSTS OF HYDROCARBON TECHNOLOGY**

## **Background**

1. In Decision 23/18 the Executive Committee decided that:
  - (a) safety standards should follow international standards, where these are higher than standards in the country concerned. The practical application of established standards should be based on industry norms and practice in European countries.
  - (b) Projects should be prepared and reviewed on the basis of this principle.

## **Current Situation**

2. The Fund Secretariat commissioned a report by a recognized industry consultant to evaluate safety costs for conversion of the production of domestic refrigerators to hydrocarbon technology taking into account international standards and industry norms and practice in European countries. The report addresses:

- classification of hazardous areas
- identification of required electrical apparatus
- identification of required safety solutions
- definition of existing plant
- definition of technical requirements for:
  - cyclopentane storage and distribution
  - premix area and foaming machines
  - foaming jigs
  - nitrogen blanketing
  - ventilation
  - gas detection
  - electrical grounding
  - electrical cabling
  - safety training
- questionnaire to assess retrofitability of relevant equipment.

3. The report has been circulated to relevant implementing agencies for discussion and also sent for peer review. The outcome of this process will be advised to the Sub-Committee on Project Review.

4. It is intended that the findings of the report when finalized, will be used in the preparation and review process for projects submitted to the 25th Meeting of the Executive Committee in July 1998. Copies of the final report will be available from the Fund Secretariat.