



UNEP DTIE OzonAction Programme under the Multilateral Fund



National Train the Trainer Programme on Good Practices in Refrigeration and Refrigerant Management Plan for Guatemala (Guatemala City, 23-27 February 1998)

INFORMATION - Phase out of Ozone Depleting Substances - Workshop

February 1998

The "National Train the Trainer Programme on Good Practices in Refrigeration and Refrigerant Management Plan" for Guatemala was launched in Guatemala City with the first workshop for trainers, from 23 to 27 February 1998.

The Programme is being implemented by the OzonAction Programme of the UNEP Industry and Environment centre, in cooperation with the National Ozone Office from Guatemala and is being funded by the Multilateral Fund for the Implementation of the Montreal Protocol.

In most developing countries, the major consumption of ozone depleting substances is in the refrigeration sector, specifically in the servicing of refrigeration equipment. An important percentage of such consumption is attributed to refrigerant leaks from defective equipment and bad servicing practices and could thus be avoided.

The Programme is part of the Guatemalan national action plan to comply with its obligations under the Montreal Protocol. More specifically, this programme, together with the "National Programme for Refrigerant Recovery and Recycling" (by UNDP) and the "Project on Mobile Air Conditioning and Refrigerated Transport" (by US EPA) forms an essential part of a Refrigerant Management Plan which, once completed, will provide a comprehensive and integrated phase out strategy for CFC (ozone depleting substances) use in the refrigeration sector.

The main objectives of the programme are to train and certify 26 trainers and 425 refrigeration technicians, to establish an accreditation system for refrigeration technicians, equip four classrooms with recovery equipment, complete the design of a Refrigerant Management Plan for Guatemala and avoid the use of approximately 68 tonnes of CFC per year in the servicing of refrigeration equipment.

The workshop held from 23 to 27 February was the first of series of activities within the programme and was attended by 20 trainers from technical training schools and managers from servicing workshops. It will be followed by approximately 34 training courses for refrigeration technicians. The whole programme will be completed by the end of year 1999.

Apart from preparing the 20 trainers, the workshop was successful in allowing these trainers to organize in detail the future phases of the programme. Other outstanding results of the workshop were the creation of the first refrigeration trade association in Guatemala as well as the completion of the refrigerant Management Plan.

About UNEP Industry and Environment

UNEP established its Industry and Environment office (UNEP DTIE) in 1975 to bring industry and government together to promote environmentally sound industrial development. UNEP DTIE is located in Paris. Its goals are: 1) to encourage the incorporation of environmental criteria in industrial development plans; 2) to facilitate the implementation of procedures and principles for the protection of the environment; 3) to promote preventive environmental protection through cleaner production and other proactive approaches; 4) to stimulate the exchange of information and experience throughout the world. DTIE provides access to practical information and develops cooperative activities backed by regular follow-up and assessment. To promote the transfer of information and the sharing of knowledge and experience, DTIE has developed three complementary tools: technical reports; the quarterly "Industry and Environment" review and a technical query-response service. UNEP DTIE is conducting the following main programme elements: Accident Prevention (APELL), Cleaner Production, Energy, OzonAction, Pollution Management, Tourism.

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