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Executive Committee of
the Multilateral Fund for the
Implementation of the Montreal Protocol

Twentieth Meeting
Montreal, 16-18 October 1996

COUNTRY PROGRAMME: LESOTHO

This document consists of:

- Country Programme Evaluation Sheet (prepared by the Fund Secretariat)
- Comments and Recommendations of the Fund Secretariat
- Transmittal Letter from the Government of Lesotho
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

LESOTHO COUNTRY PROGRAMME EVALUATION SHEET

Lesotho Meteorological Services (LMS), Ministry of the Environment

Status of ratification of the Vienna Convention and the Montreal Protocol

	Signature	Ratification	Entry into force
Vienna Convention (1985)		25/Mar/94	23/Jun/94
Montreal Protocol (1987)		25/Mar/94	23/Jun/94
London Amendment (1990)			
Copenhagen Amendment (1992)			

Production of controlled substances: No controlled substances produced

Consumption of controlled substances (1994) 5.3 metric tonnes
5.6 weighted tonnes (ODP)

(tonnes)	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115	TOTAL	Halon1211	Halon1301	TOTAL	CTC	MCF	TOTAL	Me-Br
ODS		5.1				5.1	0.2		0.2				
ODP		5.1				5.1	0.5		0.5				

Distribution of ODP by substance: CFC 91.1% Halon 8.9% CTC and MCF

Distribution of ODP by sector:	Aerosol	Foam	Halon	Refrigeration	Solvent	Other
Consumption (ODP tonnes):			0.5	5.1		
Percent of total:			8.9%	91.1%		

Country Programme

Duration of country programme: 5 years (1997-2001)

ODS phase out target: Complete phase-out by 2001

Phase out priority area: Refrigeration (training and recycling)

Cost of activities in country programme:

Strategy:

The Government is committed to a phase out strategy consistent with the country's development policies, and will take the minimum economic cost route. ODS reduction will be achieved through adoption of alternative technologies. The National Ozone Policy will include, inter alia, enhancement of capacity building, promotion of voluntary agreements with sectors and individual users, public awareness programmes, establishment of import monitoring procedures and introduction of statutory measures for various ODS.

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

1. The Country Programme conforms to the format of the approved guidelines. The total ODS consumption in the country is estimated at 5.3 tonnes, mainly CFC-12 used for servicing domestic refrigerators and freezers and commercial refrigerators. Since Lesotho conducts the majority of its trade with South Africa, the Government is fully committed to phase out ODS consumption as soon as practicable.
2. A project proposal related to CFC recovery and recycling and a training programme in good refrigeration practices for service technicians is also included in the Country Programme. The project will be implemented in 1997.
3. The country programme includes a project for the establishment of a National Ozone Cell within the National Meteorological Services Agency (institutional strengthening). The Government of Lesotho is requesting financial support for the implementation of this project totaling US \$30,000.
4. The institutional strengthening project has been developed following the approach proposed by the Fund Secretariat for low volume ODS-consuming countries and further elaborated by UNEP, where ODS consumption is mainly for servicing refrigeration and air conditioning equipment (UNEP/OzL.Pro/ExCom/18/9 Annex I). The main responsibilities of the Ozone Unit would include: organizing training workshop for service technicians, following-up the training activities, supervising the implementation of refrigerant recovery and recycling programme, and facilitating the government's data reporting obligations under the Montreal Protocol.

RECOMMENDATIONS

1. The Fund Secretariat recommends as follows:
2. To approve the Lesotho Country Programme. Approval of the Country Programme does not denote approval of the projects identified therein or their funding levels.
3. To request the Government of Lesotho to present annually information to the Executive Committee on progress being made in the implementation of the country programme, in accordance with the decision of the Executive Committee on implementation of country programmes (UNEP/OzL.Pro/ExCom/10/40, para 135). Using the approved format, the initial report, covering the period 18 October 1996 to 31 December 1997, should be submitted to the Fund Secretariat no later than 31 March 1998.
4. To request UNIDO to assist the Government of Lesotho in the preparation of the refrigerant recovery and recycling programme identified in the country programme.
5. To approve the amount of US \$30,000 and US \$3,900 support cost for institutional strengthening to be included as an amendment to UNEP's 1996 work programme. To request UNEP not to disburse any funds for this activity until after the refrigerant recovery and recycling programme is approved by the Executive Committee.

**NATIONAL ENVIRONMENT SECRETARIAT OF LESOTHO**

Prime Minister's Office · P.O. Box 527 · Maseru 100 · Lesotho
Telephone (266) 316604 · Facsimile (266) 310506



2nd September 1996

NES/CONV/6

Chief Officer
Secretariat of the Multilateral Fund
for the Implementation of the Montreal Protocol
1800 McGill College Ave, 27th Floor
Montreal
Quebec
Canada

Dear Sir,

RE: LETTER OF TRANSMITTAL: LESOTHO COUNTRY PROGRAMME

I have the honour to present to you the Country Programme for Lesotho for consideration for approval by the Executive Committee. The lead agency responsible for coordinating the preparation of this Country Programme has been the National Environmental Secretariat.

In your review of this Country Programme, please be aware that Lesotho is submitting this document as a Party to the Montreal Protocol on Substances that Deplete the Ozone Layer and is operating under paragraph 1 of Article 5.

After careful deliberation as to the actions that Lesotho should take in response to the Montreal Protocol, the Government of Lesotho sets out a clear approach. The Government is firmly committed toward implementing specific action plan outlined in the Country Programme.

Further, the Government fully intends to monitor compliance with the Montreal Protocol. If it appears that actions in the Country Programme are insufficient to phase out ozone depleting substances as stated, the Government will take additional measures to ensure compliance, incorporate these new measures into the Country Programme and submit them to the Executive Committee.

Yours faithfully,


for **B. Motsamai**
Secretary General

Country Programme Cover Sheet

Country : Lesotho

Date Received :

Lead National Agency : Ministry of the Environment through
Lesotho Meteorological Services (LMS)

Lead Implementation Agency: UNEP

Period Covered by Country
Program : 1997 - 2001

1. Phase Out Schedule

Substance	Current Consumption (Tonnes x ODP) in 1994	Article 5 Schedule Total consumption (Tonnes x ODP)	Planned total consumption till phase-out (Tonnes x ODP)	Planned year of Phase-out
CFC-12	5.1	126.7	22.5	2001
Halon 1211	0.5	1.0	1.0	2000
Total	5.6	127.7	23.5	-

2. Government Action Plan

Action	Responsibility	Timing
Establish National Ozone Committee	National Environment Secretariat (NES)	Done
Establish National Ozone Office (NOO)	Lesotho Meteorological Services / NES	1997
Develop & implement public awareness campaign	National Ozone Office (NOO)	1997-1999
Legislation (if required)	Ministry of Natural Resources/Law Office	1997-2001
Project Preparation in co-operation with Implementing Agencies	NOO	1997-1999
Monitoring and reporting of ODS usage	NOO	1995 on
User Training	NOO	1997 on

3. Project being submitted for funding

Project	Intended Effect	ODP tonnes	Total cost (US \$)	Funds requested from MF (US\$)
Institutional strengthening	Co-ordination, control, technical support and monitoring of phase-out	23.5	30,000*	30,000

* including regional support

4. Potential Projects (to be prepared in the future by the NOO)

Project*	Intended Effect	Sector	ODP tonnes affected
Training in Refrigerant Management	Training of refrigeration and mobile air conditioning technicians in commercial and domestic refrigeration sectors	Refrigeration & Air-conditioning	5.1
Recovery and recycling in Refrigeration & Air-conditioning sector	Better management of ODS substances used in the refrigeration and air-conditioning sector.	Refrigeration & Air-conditioning	5.1
Customs Training	Identification of ODS	All	5.1
Fire Protection Design	Training in non ODS fire fighting technologies	Halons	0.5

* costs of the projects to be estimated later

Executive Summary

The Government of Lesotho is submitting this Country Programme as a commitment of its obligation under the Montreal Protocol, namely, that of reducing the consumption of Ozone Depleting Substances in Lesotho. The National Environmental Secretariat, which will be responsible for implementing this Country Programme, has approved it for presentation to the Executive Committee of the Multilateral Fund.

As evidenced by the data survey, the current per capita ODS consumption in the country is below 0.3kg, thereby qualifying Lesotho as an Article 5 country eligible for funding under the Multilateral Fund.

All ODS in use in Lesotho are imported. Significant use occurs only in airconditioning and refrigeration servicing. There is only one company that has major share of the business in both domestic and commercial sectors, and other six smaller organisations focus on domestic refrigeration servicing.

In order to forecast future ODS consumption beyond 1994, 3 scenarios were taken into consideration:

- * Unconstrained demand - total ODP consumption to 2010 of 127.7 metric tonnes where it is assumed that no attempt is made to comply with the Protocol, and that ODS continue to be available at current prices.
- * Montreal Protocol consumption - total ODP consumption to 2010 of 48.1 metric tonnes, where it is assumed that consumption is unconstrained until 1999, frozen then until reduced by 50% in 2005, further reduced by 35% in 2007, and then phased out completely in 2010.
- * Planned phase-out consumption - total ODP consumption to 2001 of 23.5 metric tonnes where the Country Programme is implemented on a least cost basis and the consumption of ODS is phased out with an accelerated programme by 2001, well ahead of the requirements of the Montreal Protocol.

The Government's phase out strategy, part of the National Ozone Policy, will be consistent with the country's development policies and will be on a least cost basis. The National Ozone Policy will encompass the following:

- Enhance capacity building within the National Environmental Council;
- Promote voluntary agreements with sectors and individual users to reduce ODS consumption.
- Initiate programmes to develop public awareness of ODS and ozone issues
- Contribute to an ODS management system where import of ODS's can be properly recorded and monitored.
- Introduce regulatory measures, where necessary, to enforce compliance with requirements of the Protocol.
- Promote research into substitutes for ODS

As a consequent to this policy, Government has set out an action plan to effectively phase out ODS consumption in Lesotho. A National Ozone Committee has been set up.

A National Ozone Office (NOO) will be established which will be the implementing agent of this policy. The NOO will work closely with implementing agencies, especially UNEP, to develop projects, particularly for training. Retraining of personnel in the refrigeration servicing sector is a key requirement for meeting the phase out targets.

Government has proposed an institutional strengthening project, estimated at US\$ 30,000 for consideration by the Multilateral Fund.

Additional projects which are intended to be submitted for future consideration include the following:

- * Training in refrigerant management
- * Equipment for recovery and reclamation of ODS in the refrigeration and air-conditioning sectors
- * Customs officials training in identification and monitoring of ODS imports
- * Training in non ODS fire fighting technologies

Annex 1

PROJECT No 1

Country:	Lesotho
Project Title:	Institutional strengthening for the phase out of ODS and the establishment of a National Ozone Office
Implementing Agency:	UNEP
National Implementing Agency:	Lesotho Meteorological Services (LMS)
Consumption of controlled substances:	5.6 ODP weighted metric tonnes
Project duration:	3 years
Project Objective:	To establish an effective, efficient and dedicated unit to co-ordinate all matters related to the Montreal Protocol at both national and international levels. The unit will give guidance and advice to government, concerned industries, policy makers, organisations and the public at large on actions to be undertaken so as to comply with the ODS phase out requirements as stipulated in the Country Programme
Sectors covered:	All Sectors
Project Budget:	US\$ 30,000 (including regional assistance)

Introduction

Lesotho signed and ratified the Montreal Protocol in 1993, thereby reaffirming its commitment to the global effort to protect the stratospheric ozone layer. The Government of Lesotho is fully committed to comply with the provisions of the Montreal Protocol as stipulated in the Country Programme.

In view of the limited resources, Lesotho requires technical and financial support to facilitate implementation of ODS phase out action plans and strategies outlined in the Country Programme. It is necessary to establish a specialised institution that will address all ozone related matters, with emphasis on the implementation of the requirements of the Montreal Protocol. Such an institution will be the National Ozone Office (NOO) that is proposed to be set up under this project. The efforts of this office shall be directed and dedicated towards an efficient and effective ODS phase-out.

Project Description

The NOO will be a component of the Lesotho Meteorological Services (LMS). In its ODS phase-out activities, the NOO will extensively liaise with and report to both the NES, which is responsible for environmental issues and to the National Ozone Committee (NOC), formed under the auspices of the NES.

The NOO will be responsible for the following activities:

1. Serve as a national focal point for all ozone related issues and perform functions of a Secretariat for the NOC.
2. Co-ordinate all ODS related work programmes and activities for the achievement of a timely ODS phase-out as scheduled in the Country Programme.
3. Establish and maintain an updated inventory and monthly and annual records of national ODS consumption.
4. Monitor and evaluate progress achieved in the ODS phase-out.
5. Interpret, give relevant advice and guidance to Government, policy makers, managers of various industries and Organizations and the national public on the requirements of the Montreal Protocol.
6. Liaise with and report to the NES and NOC on ODS phase-out issues.
7. Develop and maintain a registration system for national ODS users.
8. Collect, disseminate and exchange ODS records and information with other Parties and Implementing Agencies.
9. Promote public awareness with regard to ODS phase-out and provide ozone related information to local ODS users.

10. Participate in national and international meetings/workshops/seminars/conferences related to ozone issues.
11. Facilitate the establishment of supportive legislation on ODS use and consumption in Lesotho.
12. Compile and submit regular reports on:
 - Progress of Country Programme implementation to the Multilateral Fund
 - Article 7 Data reports to the Ozone Secretariat
 - Progress on Institutional Strengthening Project to UNEP as per project requirements.
13. Provide liaison between Government, Implementing Agencies and relevant international bodies.
14. Assist in identification and formulation of phase-out projects activities for submission to the Multilateral Fund.

The NOO will be manned by the ODS focal point, on a part-time basis, who will perform functions as the ODS officer and Secretary to the NOC. A focal point, has already been assigned to carry out these tasks.

Regional technical assistance will be required to assist the focal point to carry out his functions efficiently. The ODS officer will work closely with the UNEP's Regional Network Co-ordinator and other ODS officers in the region to ensure the effective implementation of the Country Programme. Other technical and administrative support will be obtained from the LMS and the NES.

Project Budget:

Funds requested from the Multilateral Fund:

ITEM	COST IN US\$
CAPITAL EXPENDITURE	
Personal Computer and printer	2,000
Photocopier and fax machine	2,000
Sub-total	4,000
Incentives for one Professional Officer	14,000
Operational Costs including basic office supplies, telecommunications etc	2,000
Sub-Total	16,000
TOTAL	20,000
Regional Assistance	10,000