UNITED
NATIONS

EP

United Nations
Environment
Programme

Distr.
Limited

UNEP/OzL.Pro/ExCom/30/19
1 March 2000

ORIGINAL: ENGLISH

EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Thirtieth Meeting
Montreal, 29-31 March 2000

SECTORAL ODS CONSUMPTION DATA
CONSOLIDATED REPORT BASED ON PRELIMINARY REPORTS FROM IMPLEMENTING AGENCIES (DECISION 28/25 and DECISION 29/10)

Introduction

1. This document is submitted in response to Decision 29/10 and consists of the following two parts:

Part: I reports of the implementing agencies, and

Part: II consolidated report from the Secretariat

Part I Reports from the Implementing Agencies

2. At its 28th meeting the Executive Committee requested,

> "The implementing agencies to work with national Ozone Units in those countries in which they were responsible for institutional strengthening projects, in collaboration with other agencies, in order to analyse the country's baseline data with respect to:
>
> (i) The distribution of the baseline consumption by sector;
> (ii) The reductions envisaged in the baseline as a result of investment projects already approved within each sector;
> (iii) The estimated distribution between consumption for manufacturing industries and servicing/installations on site in the refrigeration sector.
>
> The implementing agencies should submit a preliminary report to the Twenty-ninth Meeting of the Executive Committee and a final report to the Thirty-first Meeting." (Decision 28/25)

3. Based on the review of submissions from implementing agencies, the Executive Committee reconfirmed the request for a preliminary report by the implementing agencies in Decision 29/10:

> "(c) To request all the implementing agencies to submit a preliminary report – as requested in decision 28/25, second paragraph of section A – to the Executive Committee at its Thirtieth Meeting, with data on each category of ozone-depleting substances reported separately" (Decision 29/10)

4. In response to Decision 29/10, the implementing agencies submitted the reports which are included in Annexes I-A to I-D. UNDP and UNIDO submitted their reports in the form of correspondence with the countries, UNEP consolidated the information in one table, and the World Bank used a uniform format for all the six countries' data.

a) Reporting by UNDP

5. Of the 22 countries for which UNDP is implementing institutional strengthening projects, UNDP submitted data for India, Mexico, Nigeria, Sri Lanka and Thailand (Annex I-A).

6. Data submitted includes breakdown of baseline consumption by chemical, and breakdown of 1998 consumption by sector, with separation of the refrigeration servicing. Data on impact of investment projects is provided in total.

b) Reporting by UNEP

7. UNEP submitted data for 63 countries out of the 68 countries for which UNEP is implementing institutional strengthening projects (Annex I-B).

8. Data submitted mixes up baseline consumption by sector and chemical. Impact of investment projects is provided , although it is not clear whether the phase out has occurred or is anticipated. Estimated segregation between manufacturing and servicing in the refrigeration sector is provided although it cannot be assessed without the data on the total sector consumption.

c) Reporting by UNIDO

9. Of the seven countries for which UNIDO is implementing institutional strengthening projects, UNIDO submitted data for Egypt, Macedonia, Syria, and Yugoslavia. UNIDO submitted no data for Qatar, Romania and Bosnia and Herzegovina (Annex I-C).

10. Egypt: Data submitted includes baseline consumption by sector, with refrigeration servicing separately listed. The submission also includes ODS approvals without implementation data. No data is provided by chemical.

11. Macedonia: Data includes baseline consumption by chemical and sector, with estimated segregation between refrigeration manufacturing and servicing, and impact of approved investment projects.

12. Syria: Data includes baseline consumption by sector and chemical, but no data on impact of approved investment projects on baseline, or segregation of refrigeration sector by servicing and manufacturing.

13. Yugoslavia: Data includes baseline consumption by sector, with estimated segregation of refrigeration sector by manufacturing and servicing, and impact of approved investment projects on baseline. No breakdown by chemical is included.

d) Reporting by World Bank

14. The World Bank submission covers six countries where the Bank is implementing the institutional strengthening projects. These countries are Chile, Ecuador, Jordan, Philippines, Tunisia and Turkey (Annex I-D).

15. Except for Jordan and Tunisia from which the Bank is still waiting for consumption data by chemical, the Bank's submission includes baseline consumption by sector (1995-1997) with manufacturing and servicing separated, by chemical and status of implementation of approved projects segregated by approvals, phase out and balance to be phased out.

Part II. Consolidated report from the Secretariat

16. The Secretariat reviewed the data received from the implementing agencies in the context the decisions of the Executive Committee, formatted the data to reflect the requirements Decision 29/10 and provided comments on the data. The result of this work is provided in Annex II.

17. The consolidation by the Secretariat is done according to Decision 29/10 (d) which requested:

> "The Secretariat to prepare a consolidated report, based on those preliminary data, for the Executive Committee at its Thirtieth Meeting, showing the estimated total quantities and percentage distribution by sector of the consumption of ozone-depleting substances (CFCs, halons, methyl bromide, CTCs and 111-trichloroethane), which had not already been covered by approved investment projects, as well as – with regard to the refrigeration sector – the estimated distribution of that consumption by manufacturing on the one hand, and servicing and installations on site on the other hand. Data on each category of ozone-depleting substance should be reported separately;" (Decision 29/10)

18. Due to space limitation, the consolidation does not include percentage of sector consumption of the total baseline data. The total ODS phaseout approvals and ODS phaseout implemented are not shown for the same reason. However a column on "Approved but not implemented" is shown for each sector and each chemical, where data was provided, representing the difference between the ODS consumption approved for phaseout and the ODS actually phased out.

19. The amounts depicted in the column under the heading "Total Consumption" represent either consumption data for 1998 (UNDP) or the average consumption of 1995-97 as reported by UNIDO and the World Bank; the time frame for the total consumption reported by UNEP was not provided.

20. The last column in Annex II is the compliance baseline data reported by the Ozone Secretariat.

Comments

21. Due to incomplete data submitted by the implementing agencies, consolidation can only cover 14 countries: UNDP (5), UNIDO (4) and the World Bank (6). In terms of compliance with Decision 28/25 and Decision 29/10, the World Bank ranks first and provides useful data for the consolidation.

22. Of the countries covered in the consolidation, 8 reported CFC baseline consumption higher than the Ozone Secretariat data, 6 countries reported data below the compliance data. For halon, 10 countries reported lower baseline and 2 countries reported higher baseline than the compliance data. In the case of methyl bromide, 6 countries reported higher baseline while 5 countries have no data reported to the Ozone Secretariat. For 1 country no baseline data is available.

24. In Chile, Ecuador, Jordan, Macedonia, Mexico, Philippines, Thailand, Tunisia, and Turkey where data is available, the difference between the consumption either by sector or by chemical, and the "Approved but not implemented" can give an indication about the additional approvals that may have to be effected in these countries to complete the phaseout.

F. No. 4/2/99-OC
Ministry of Environment & Forests
Ozone Cell

FR is regarding the status report on ODS phaseout in Article-5 countries.

The Executive Committee, at its 28th Meeting in July 1999 took a decision to request the implementing agencies to work with national ozone units in which they were responsible for Institutional Strengthening Projects, in order to analyse the country baseline data with respect to

(i) the distribution of the baseline consumption by sector;
(ii) the reduction envisaged in the baseline as a result of investment projects already approved within each sector;
(iii) the estimated distribution between consumption for manufacturing industries and servicing / installation on site in the refrigerator sector.

2. In view of the above, UNDP as the implementing agencies of the Institutional Strengthening Project (ISP) in India has requested to verify the data collected by the Fund Secretariat which was presented at 28th ExCom Meeting in July 1999. The data sheets provided by MLF are having two parts.

Part I ODS consumption and implementation phaseout as of December 1998.

Part II Sector distribution of ODS consumption (latest data available).

3. The data under Article 7 for the year 1995, 1996 and 1997 were submitted to the Ozone Secretariat. Out of which baseline data for CFCs and halons had been derived and provided by the MLF in the Document ExCom/28/14. The baseline data given in column 2 for CFCs and halons has been verified and changes are given below:

	Data given in the document (ODP tonnes)	Data as per report submitted to the Ozone Secretariat
CFCs	6681	6680
Halon	448	1249

4. Column 4 is regarding phaseout approval ODP tonnes. This information provided to the MLF in the ISP renewal project document. Accordingly, the figure should be 6239.4 instead of 7459 given in the ExCom document. The phaseout implemented ODP tonnes may be changed as 1624 in place of 1952. Percentage figures remain almost same and hence no change is required.

5. As per information given in the report on progress of implementation of the Country Programme from 1st January 1998 to 31st December 1998 submitted to the MLF, the figure in column 6 should be 50,432,014 and the figure in column 7 may be changed to US$ 21.45 million. Accordingly the percentage in column seven may be changed to 43.

6. The ExCom has explained that data provided in Part II on sector distribution of ODS consumption was extracted from the report submitted by Article-5 countries on the implementation of the Country Programme. It may be recalled that ODS consumption data for 1997 (in MT) in respect of each sector was submitted to Fund Secretariat. Accordingly Part II, of the data sheet on sector distribution data was prepared by the Multilateral Fund Secretariat. The data sheets have been verified and found no discrepancy except interchange of figure from solvent to halon column and halon to solvent column. It may be corrected as follows:

Solvent	7885
Halon	1071

7. As requested by UNDP the following have been analyzed:

(i) The distribution of the baseline figure by sector, as given in the data sheet for aerosol, foam, refrigeration is correct and fire extinguisher may be revised as indicated in para 3-5. The data for solvent sector is for the year 1997.

(ii) Reduction envisaged as on 31.12.1998 are detailed below:

Sector	**Baseline**	**Project approved to phaseout ODP**	**Reduced value ODP tonnes**
Aerosol	1466	646.6	819.4
Foam	2391	2028.7	362.3
RAC	2770	1981.8	789.0
Solvent	64	91	--
Halon	1249	1419.0 * (-462)	292

(* Phased out before 1995)

(iii) The estimated distribution between consumption for manufacturing industries and service / installation on site in the refrigeration sector has been provided proportional in the present data sheet to the figure given in the country programme. In view of this it may be accepted.

Submitted for consideration please.
Draft letter is placed.

(Dr. S. Satapathy)
Dy. Director (O)

Director (O)

Atul Bagai
Director (O)

F. No. 4/2/99-OC
February 5, 2000

Dear

Subject : **Status Report on ODS phaseout in Article 5 Countries (Ex.Com Decision 28/14 taken in July 1999)**

Kindly refer to your fax message on the above subject. We have verified the data mentioned in the attached information sheets, provided by the Secretariat in respect to India and following changes have been suggested.

Part 1 -ODS consumption and implementation phaseout as of December 1998

1. The data under Article 7 for the year 1995, 1996 and 1997 were submitted to the Ozone Secretariat. Out of which baseline data for CFCs and halons had been derived and provided by the MLF in the Document ExCom/28/14. The baseline data given in column 2 for CFCs and halons has been verified and only changes are given below:

ODS	Data given in the document (ODP tonnes)	Data as per report submitted to the Ozone Secretariat
CFCs	6681	6680
Halon	448	1249

2. Information in regard to column 4 of the table in Part I has been provided to the MLF in the ISP renewal project document. Accordingly, the figure should be 6239.4 instead of 7459 given in the ExCom document. The phaseout implemented shown in column 5 in ODP tonnes may be changed to 1624 in place of 1952 as mentioned. Percentage figures remain almost same and hence no change is required.

3. As per information given in the report on progress of implementation of the Country Programme from 1st January 1998 to 31st December 1998 submitted to the MLF, the figure in column 6 should be 50,432,014 and the figure in column 7 may be changed to US$ 27,992,569.

Part 2 - Sector distribution of ODS consumption (latest data available)

4. The Part 2 data sheets have been verified and no discrepancy has been found except interchange of figures from solvent to halon column and halon to solvent column. It may be corrected as follows:

Solvent	7885
Halon	1071

5. The responses to questions are also given below :

(i) The distribution of the baseline figure by sector, as given in the data sheet for aerosol, foam, refrigeration is correct and fire extinguisher may be revised as indicated in para 4.

(ii) Reduction envisaged as on 31.12.1998 are detailed below:

Sector	Baseline	Project approved to phaseout ODP	Reduced value ODP tonnes
Aerosol	1466	646.6	819.4
Foam	2391	2028.7	362.3
RAC	2770	1981.8	789.0
Solvent (CFC-113)	64	91	--
Halon	1249	1419.0 (-462)*	292

(* Phase out before 1995)

There are certain factors that need to be taken into account while analyzing this data. The Indian delegation had pointed out these issues while discussing the status report in the 28th meeting of the Ex.Com. The issues are :-

a) Indian delegation during discussions pointed out that apart from the factual discrepancies in the table prepared in these documents, the formatting of the report was also misleading and in most cases it gave an impression that either funds approved for Article 5 countries were not being disbursed timely or not being utilised effectively. It was also pointed out that till these factual discrepancies and formating were sorted out the performance of Article 5 countries should not be assessed based on this status report.

b) The baseline of consumption of CFC 11 in foam would be much higher because it does not take into account the ODS blended chemicals that entered India through imputs which estimated approximately 800-900 MT annually until 1997. This additional ODS quantity in blended polyol would impact the reported baseline (1995-97) ODS consumption in India which is based on consumption figures for each calender year calculated as per the Montreal Protocol definition, which provides a limited picture.

Further the increased capacity in the period 1.1.98 (after base years) and 1.7.99 is also not taken into account. In view of the above circumstances, the reduced values of ODP tonnes in case of foam and RAC sector may not be treated as final figures.

(c) The estimated distribution between consumption for manufacturing industries and service / installation on site in the refrigeration sector has been provided proportional in the present data sheet to the figure given in the country programme. These are best estimates and would be fine tunned as surveys get completed in the next few years.

I hope the above explanations would suffice to meet the requirement of the decision 28/14 of Ex.Com.

Yours sincerely,

(Atul Bagai)
Director (O)

Mr. Frank Pinto,
Chief Montreal Protocol, UNEP,
New York
Fax : 001-212-906-6947
E-mail : frank.pinto@undp.org

Annex I - A Mexico

STATUS REPORT ON ODS PHASE OUT IN ART. 5 COUNTRIES
EXCOM DEC. 28/14

PART 1.
ODS Consumption and Implementation of Phase out as Dec. 1998

Country	ODS	Base line ODP tones	1998 ODP tones	Phase out Approved ODP tones	Phase out Implemented		Funds approved US $	Funds Disbursed	
					ODP	%		US $	%
MEXICO	AI = CFCs	4,625	3,483	2,980	2,236	75	28,813,890	18,496,618	64
	AII = HALONES	124.5	212.8						
	BI = CARB. TET	0.0	0.0						
	BII = MCF	122	76.4						
	EI = MBr	1,130	1,207						

This figures are according to the data reported to the Ozone Secretariat and to the Multilateral Fund Secreatriat.

IT'S IMPORTANT TO MENTION THAT MEXICO IS IMPLEMENTING AN ACCELERATED PHASE OUT SCHEDULE THAT IS CLEARLY ESTABLISH IN THE COUNTRY PROGRAM APPROVED BY THE EXCOM IN 1992. THEN THE BASE LINE YEAR IS 1989 AND THE ODP CONSUMTION IN THIS YEAR IS UP TO 15,500 ODP TONES.

PART 2. Sector Distribution of ODS Consumption (latest data available)

COUNTRY	YEAR	SECTOR DISTRIBUTION								TOTAL
		AEROSOL	FOAMS	REFRIGERATION		SOLVENT	FIRE FIGHTING	FUMIGANT	OTHER	ODP TONES
				TOTAL	SERVICING					
		ODP TONS	ODP TONS	ODP TONS	ODP TONS	ODP TONS	ODP TONS	ODP TONS	ODP TONS	
MEXICO	1998	426	390	2,667	2,100	86	213	1,207	N/A	4,989

Annex I A Nigeria

	1995	1996	1997	Baseline	1998
A-I CFC	1,538	4,551	4,868	3,653	4,865
A-II Halons	4	39	43	29	47
B-II Carbon TetraChloride	101	120	133	tbd	148
B-III Methyl Chloroform	268	290	310	tbd	332
E-I MeBr	-	5	4	3	3
Subtotal	1,911	5,005	5,369	tbd	5,393
B-I Other CFC's	-	-	-		-
C-I HCFC's	-	242	512		849
Grand Total	1,911	5,247	5,871		6,242

tbd = to be determined (it contains 2000 data which is not yet known)

Country	Year	Sector Distribution (latest available)								Total
				Refrigeration						
		Aerosol	Foam	Total	Servicing	Solvent	Fire fighting	Fumigation	Other	
		ODP	ODP	ODP	ODP	ODP	ODP	ODP	ODP	ODP
Nigeria	1998		3,770	1,844	1,551	478	47	3		6,242

From Dr. W Senathipala,
National Project Coordinator
Montreal Protocol Unit
Ministry of Forestry & Environment
Colombo
Sri Lanka

RECEIVED
SEP 15

To Mr. Frank Pinto
Chief
Montreal Protocol Unit
UNDP, New York
USA

SUBJECT : STATUS REPORT ON ODS PHASE-OUT IN ARTICLE 5 COUNTRIS

Part 1: ODS Consumption and Implementation of Phase out as of December 191

Country	ODS	Baseline ODP tons)	1998 ODP (tones)	Phase out approved ODP (tones)	ase on implemented DP (tons)	%	Funds Approved US$	Funds Disbursed US$	%
	A_CFCs	448	250	56	29	51	1,333,106.00	1,221,313 or	90
	A1-Halon	0	0						
Sri Lanka	B3-Carbon Tetrachloride TC	24.8	46						
	B1-Methyl Chloroform	5.5	3						
	E-Methr	5.27	7.1						

Part 2: Sector Distribution of ODS Consumption (Latest Data Available)

Country	Year	Sector Distribution (Latest Available)								
		Aerosol	Foam	Refrigeration		solvent	Fire Fighting	Fumigant	Other	Total ODP tons
				Total	Servicing					
		ODP tons	ODP tons	ODP tons	ODP tons	ODP tons	ODP tons	ODP tons	ODP tons	
Sri Lanka	1997	6	4	320	300	19	0	3	16	359
	1998	6	9.7	236	230	37	0	4	17	309

Ozone Layer Protection Unit
Hazardous Substances Control Bureau
Department of Industrial Works,
75/6 Rama VI Road, Bangkok,10400, THAILAND.
Tel (662) 2024228,(662)2456713 Fax: (662)2024015
E-mail : Hazard @ narai.diw.go.th

Date : February 15, 2000
To : Mr. Jacques Van Engel
Regional Programme Coordinator
Montreal Unit, UNDP
New York
Tel : 1-212-906-5042
Fax : 1-212-906-6947

From : Ms. Wanna Rodratana
OPU Manager, Thailand
Tel : (662)-202-4228
Fax: (662)-202-4015

SUBJECT : Re : Status report on ODS phaseout in article 5 countries

Dear Mr. Van Engel,

With reference to your fax dated 31 January 2000, Ozone protection reviewed it and we have some comments regarding Part 1 and Part 2 to be corrected as the followings:

1. Part 1: ODS consumption and implementation of phaseout as of Dec 1998 should be corrected as the table given below.

Country	ODS	Baseline* ODP Tonnes	1998 ODP Tonnes	Phaseout approved ODP Tonnes	Phaseout Implement ODP Tonnes	Phaseout Implement Per cent	Fund Approved	Fund disbursed US $	Fund disbursed Per Cent
Thailand	CFCs Halon CTC TCA MeBr	6082 271.7 11.4 147.3 422.6	3783 154 8.8 84.7 412.3	4644**	1617***	34.82	14,344,081 ****	WB = 11,656,856 $ UNDP = ? UNIDO = 0 $ *****	N/A

* The baseline consumption of all ODS list in this table was calculated from the average consumption during 1995-1997.

** Including building chiller replacement program (488.4 ODP MT) and MAC project (250 ODP MT)

*** The project will be complete if DIW approves HOP or completion report.

**** Including the amount of fund approved for building chiller replacement program 2.475 million $ US from MLF.

***** Classified on the basis of implementing agencies, the amount of fund disbursed before December 1998 can be informed for WB and UNIDO project. The amount of fund disbursed for UNDP projects cannot be identified; however, I would appreciate very much if you inform us the disbursement status of UNDP projects.

2. Part 2: Sector distribution of ODP consumption (Latest data available) should be corrected as the table given below.

Country	Year	Sector Distribution (Latest available)								Total
		Aerosol	Foam	Refrigeration		Solvent	Fire Fighting	Fumigant	Other	
				Total	Servicing					
		ODP	ODP	ODP	ODP	ODP	ODP	ODP	ODP	ODP
Thailand	1998	445	1279	1947		205.5	154	412.3	0	4442.8

3. Please be informed that all revised information regarding project approval is from the combination of investment projects submitted by 3 implementing agencies, the World Bank, UNDP, and UNIDO before 31 December 1998.

Should you have any clarifications regarding the information informed by the Government of Thailand, please feel free to contact us.

Best Regards

W. Rodratana

Ms. Wanna Rodratana

Data compiled for decision 28/25 - Interim report

	Base line consumption in ODP tons						Phaseout by investment projects						Refrigeration Sector	
COUNTRY	Aerosol	Foam	CFC	Solvent	Other	**Total**	Aerosol	Foam	Refrig	Solvent	Other	**Total**	Production	Servicing
Algeria			2119.5			**2119.5**	381.0	503.0	447.0	6.0		**1337.0**	210.0	510.0
Antigua and Barbuda			10.3			**10.3**			1.0			**1.0**		10.3
Bahamas*			38.7			**38.7**			13.0			**13.0**		38.7
Bahrain *			146.0	40.3		**186.3**			64.0			**64.0**	12.0	134.0
Barbados			21.5			**21.5**			14.0			**14.0**		21.5
Belize*			37.6			**37.6**						**0.0**		37.6
Benin			27.1			**27.1**			13.0			**13.0**		27.0
Bolivia *		1.1	74.1	0.2	0.8	**76.2**		5.0	14.0			**19.0**		74.1
Botswana			6.8			**6.8**			2.0			**2.0**		6.8
Brunei Darussalam			78.2			**78.2**						**0.0**		78.2
Burkina Faso			36.3			**36.3**			38.0			**38.0**		36.3
Burundi			59.0			**59.0**			5.0			**5.0**		28.0
Cameroon			256.9			**256.9**		250.0	177.0			**427.0**		
Central African Republic			11.3			**11.3**		2.0	4.0			**6.0**		11.3
Chad			34.6			**34.6**			9.0			**9.0**		34.6
Comoros			2.5			**2.5**						**0.0**		2.5
Congo						**0.0**			19.0			**19.0**		
Congo, DR						**0.0**						**0.0**		
Cote D'Ivoire			294.2			**294.2**	87.0	53.0	25.0			**165.0**		159.0
Croatia			219.3			**219.3**	11.0	25.0	15.0			**51.0**		197.0
Dominica			1.5			**1.5**						**0.0**		1.5
Dominican Republic *	2.0	53.5	256.0	81.0		**392.5**			160.0			**160.0**		
El Salvador *			310.6			**310.6**			65.6			**65.6**	52.6	258.0
Ethiopia			33.9			**33.9**			8.0			**8.0**		33.9
Fiji *			40.0			**40.0**			5.0			**5.0**		40.0
Gabon			10.3			**10.3**			12.0			**12.0**		10.3
Gambia			23.8			**23.8**		11.0	8.0			**19.0**		16.0
Georgia			22.5			**22.5**			4.0			**4.0**		22.5
Guatemala*	100.0	45.0	224.3	6.4	81.6	**457.3**	100.0	21.6	149.6			**271.2**	52.0	253.4
Guinea			42.4			**42.4**			13.0			**13.0**		42.4
Guyana*		7.2	31.0			**38.2**			14.0			**14.0**		31.0
Honduras			180.1			**180.1**			14.0			**14.0**		180.0
Jamaica *	10.0	71.2	83.9	0.0		**165.2**		81.6	9.6			**91.2**		26.0
Korea, DPR			462.1			**462.1**		150.0		419.0		**569.0**		312.0
Lesotho			5.1			**5.1**			4.0			**4.0**		5.1
Madagascar						**0.0**			12.0			**12.0**		
Malawi			57.7			**57.7**		33.0	7.0			**40.0**		57.7
Maldives			4.6			**4.6**						**0.0**		4.6
Mali			108.1			**108.1**		20.0				**20.0**		68.0
Mauritius			29.1			**29.1**	41.0		13.0			**54.0**		29.1
Moldova			73.3			**73.3**			22.0			**22.0**		73.3
Mongolia*			20.0			**20.0**						**0.0**		20.0
Morocco			802.3			**802.3**		637.0	116.0			**753.0**	106.0	198.0
Mozambique						**0.0**			48.0			**48.0**		
Myanmar			38.9			**38.9**						**0.0**		38.9
Namibia			21.9			**21.9**			5.0			**5.0**		21.9
Nepal*			33.0			**33.0**						**0.0**	0.7	32.3
Nicaragua			82.8			**82.8**			22.0			**22.0**		82.8
Niger			32.0			**32.0**			6.0			**6.0**		32.0
Panama		68.0	311.7			**379.7**		68.0	16.0			**84.0**		181.0
Papua New Guinea			36.2			**36.2**						**0.0**		34.0
Paraguay*		54.4	156.0	0.7		**211.1**		16.5	97.2			**113.7**		113.0
Peru*		55.7	333.5	18.2		**407.4**		40.0	250.7	14.5		**305.2**		
Saint Kitts and Nevis			3.7			**3.7**			2.0			**2.0**		3.7
Saint Lucia*			9.3			**9.3**			1.5			**1.5**		9.3
Grenadines	0.1		5.5			**5.6**	0.1		3.7			**3.7**		5.5
Senegal			155.8			**155.8**			116.0			**116.0**		154.2
Seychelles			2.8			**2.8**						**0.0**		2.8
Sudan			456.8			**456.8**	327.0	16.0	57.0			**400.0**		228.0
Swaziland			24.6			**24.6**			4.0			**4.0**		24.6
Tanzania			253.9			**253.9**	150.0	67.0	54.0			**271.0**		82.4
Togo						**0.0**						**0.0**		
Uganda			12.8			**12.8**			4.0			**4.0**		12.8
Vietnam*	250.0	33.0	208.0			**491.0**	190.0		10.0			**200.0**	48.1	159.9
Western Samoa			4.5			**4.5**						**0.0**		4.5
Yemen			349.1			**349.1**						**0.0**		
Zambia			31.8			**31.8**			7.0			**7.0**		31.8
Zimbabwe			451.4			**451.4**			83.0			**83.0**		121.6
Total	**362.1**	**389.1**	**9312.6**	**146.8**	**82.4**	**10293.0**	**1287.1**	**1999.7**	**2283.9**	**439.5**	**0.0**	**6010.1**	**481.4**	**4466.8**

Note 1 : These countries have provided their responses to the questionnaire on decision 28/25. This table is based on their actual responses.
For the remaining countries, the data has been obtained from the compilation of consumption data provided by MFS

Note 2 :Base line consumption data presented is based on actual data provided by the country wherever the report is available from the country and CFC consumption data compiled by MFS, wherever this data has not been provided by the country.

Note 3 :The estimates of CFCs consumed in the production and servicing sector were made from CP/RMP document for the countries, wherever information is available. This information is an estimate and may differ from the actual consumption situation in the country. An update will be provided when such information is actually provided by the respective countries.

Note 4 : The consumption data for Madagaskar, Mozambique, Congo Brassaville, DR Congo and Togo are not available and hence have not been provided.

Table 1: ODSs Consumption per substance in Syria, during 86-98.

Year	CFC-11 (MT)	CFC-12 (MT)	HCFC-22 (MT)	Total (MT)
1986	586	901	n.a	1.487
1989	437	671	na	1.108
1990	470	764	na	1.234
1991	494	759	n.a	1.253
1994	984	1.188	263	2.435
1995	1.014	1.292	314	2.630
1996	1.000	1.200	300	2.500.
1997	1.058	929	210	2.197
1998	513.8	690.24	261.245	1465.28

Table2: ODSs Consumption in the Refrigeration Sector.

Year	CFC- 11	CFC-12	HCFC-22	Total
1996	318	536	300	1154
1997	254	225*	210	689
1998	196	557.3	261.254	1014.55

NB. The R12 data reported for 97 missing the quantities used for servicing

Table 3: Breakdown of baseline data per sector.

Sector	1995 (MT)	1996 (MT)	1997 (MT)	Average (ODS MT)	Average (ODP MT)
Aerosols	790.00	813.90	914.90	839.60	839.60
Foams	525.00	532.00	593.40	550.13	550.13
Refrigeration	992.00	854.10	479.40	775.17	775.17
Solvents	79.46	70.00	55.00	68.15	56.44
Halons	70.00	73.00	71.00	72.00	358.56
TOTAL	2456.56	2342.00	2113.70	2305.05	2579.9

Arab Republic of Egypt
Cabinet of Ministers
Egyptian Environmental Affairs Agency (EEAA)
30 Misr Helwan El-Zyraa Rd. Maadi/ cairo
Tel/ Fax: (202) 5256462
E-mail: ozone_unit@hotmail.com

Facsimile Transmission

Date	:	February 8th, 2000
To	:	Mr. H. Seniz Yalcindag, Director, MP Branch Sectoral Support and Environmental Sustainability Division (UNIDO)
Fax No.	:	(00431) 260266804
From	:	Eng. Salwa El-Tayeb, Coordinator, ISOU/ EEAA.
Subject	:	**Institutional Strengthening of MP-Related Activities Phase III (MP/EGY/99/060)**
Pages	:	2 (including this page)

With reference to your fax dated January 18th, 2000 concerning the analysis of the country's baseline data in accordance with the request of the 28th session of the ExCom.

Kindly be informed that:

1. The distribution of the baseline consumption by sector:

According to our previous fax sent to Mr. Si Ahmed dated September 4th, 1999, we clarify the reason of why the baseline consumption is lower than the actual CFCs phase-out in the approved projects (enclosed).

The actual consumption is as follows:

Foam Sector	1568 Tons
Refrigeration Sector	1121 Tons
Solvents Sector	283 Tons

Note: In the country programme, the ODSs consumption is not distributed among the sectors.

2. The reductions envisaged in the baseline as a result of investment projects already approved within each sector:

The reductions envisaged in the actual consumption are as follows:

Foam Sector	1139 Tons
Refrigeration Sector	1025 Tons
Solvents Sector	186 Tons

3. The estimated distribution between consumption for manufacturing industries and servicing/installations on site in the refrigeration sector:

Consumption for manufacturing industries	1121 Tons
Servicing/installations	550 Tons

Hoping that these inputs meet your requirements.

Thank you in advance for your continuous cooperation.

C.C. UNIDO Representative in Cairo, Fax no. 5941199

REPUBLIC OF MACEDONIA

MINISTRY OF ENVIRONMENT

OZONE UNIT

Skopje.30.07.1999

UNITED NATIONS
DEVELOPMENT ORGANIZATION
P.O. Box 300, A - 1400 Vienna, Austria
To : Mr. G. Anestis
Fax : 99-43-1-26026-6804

Dear Mr. Anestis,

Reference is made to your fax regarding Decision 28/25.

1. Distribution of the baseline consumption by sector

On 13 of April 1999 a full report was given to Multilateral Fund of the Montreal Protocol prepared on new forms, FS-C.P.1 and FS-C.P.2 for the years 1995 to 1998. For your easy reference they are attached.

2. Reduction envisaged in the baseline as a result of investment projects already approved within each sector

Name of project	Number of project	CFCs phased out	Sector	Remarks
Phasing out of CFCs at refrigeration plant of "Frinko"	MP/MCD/96/179	104	Refrigeration	Completed in December 1998
Phasing out CFC-11 from flexible slabstoack foam manufacturing at "Sileks"	MP/MCD/97/083 A	* 280	Foam	Expected completion in August 1999
Phasing out CFC-11 from manufacturing of rigid PU sandwich panels at "Sileks"	MP/MCD/97/123	* * 76	Foam	Completed on time in April 1998
Total		460		

* The equipment from Beamech for the project was delivered in January 1999. Immediately after that Sileks started with the preparation for the installation of the equipment and canceled all orders. Everything was set up in mid of March and Beamech was expected to come. In the mean time the war started in Yugoslavia and Beamech was advised by their Ministry of Foreign Affairs not to come to Macedonia. With other words there was no production and consequently no consumption of CFC-11 in 1999. Now we have confirmation by Beamech for their arrival at the end of July beginning of August 1999.

* * Even though the project was completed in April the consumption of CFC-11 has stopped in January 1998 (preparation, dismantle of the equipment-all major parts including all pumps, replacement with new parts, etc.)

91000 Skopje, Drezdenska 52
phone/fax: (+389 91)366-929; 366-930 ext.120, E-mail: ozonunit@unet.com.mk

3. Estimated distribution between consumption for manufacturing industries and servicing/installations on site in the refrigeration sector

It is not clear how to estimate because it is not specified for which year and for which substance. For example if it is for 1998, the consumption in manufacturing industries for CFC-12 in the refrigeration sector is zero and for HCFC-22 my best estimation is about 10 tonnes. The rest of about 75 tonnes (65 tonnes CFC-12 and 10 tonnes HCFC-22) belongs to servicing.

Best regards,

Marin Kočov
Manager

B. PROGRESS OF IMPLEMENTATION OF COUNTRY PROGRAMMES — FORM FS-C.P.2

Data on Controlled Substances for the Baseline Year 1997

COUNTRY: REPUBLIC OF MACEDONIA

Consumption by Sector in Metric Tonnes

Substance	Aerosol	Foam	Fire Fighting	Refrigeration	Solvent application	Fumigation etc.	Other	TOTAL	Import	Export	Production
Annex A, Group I											
CFC-11	22.00	324.00		74.80				420.80	418.00		
CFC-12	22.00			40.00				62.00	69.10		
CFC-113											
CFC-114											
CFC-115											
Sub-Total	44.00	324.00		114.80				482.80	487.10		
Annex A, Group II											
Halon 1211			1.29					1.29	1.29		
Halon 1301			3.24					3.24	3.24		
Sub-Total			4.52					4.52	4.52		
Annex E											
Methyl Bromide						20.00		20.00	20.00		
Sub-Total						20.00		20.00	20.00		
TOTAL	44.00	324.00	4.52	114.80		20.00		507.32	511.62		

		B. PROGRESS OF IMPLEMENTATION OF COUNTRY PROGRAMMES								FORM FS-C.P.2	
				Data on Controlled Substances for the Baseline Year 1996							
COUNTRY: REPUBLIC OF MACEDONIA											
				Consumption by Sector in Metric Tonnes							
Substance	Aerosol	Foam	Fire Fighting	Refrigeration	Solvent application	Fumigation etc.	Other	TOTAL	Import	Export	Production
Annex A, Group I											
CFC-11	22.00	356.00		42.00				420.00	413.00		
CFC-12	22.00			19.00				41.00	101.00		
CFC-113											
CFC-114											
CFC-115											
Sub-Total	44.00	356.00		61.00				461.00	514.00		
Annex A, Group II											
Halon 1211											
Halon 1301			3.00					3.00			
Sub-Total			3.00					3.00			
Annex E											
Methyl Bromide						20.00		20.00	20.00		
Sub-Total						20.00		20.00	20.00		
TOTAL	44.00	356.00	3.00	61.00		20.00		484.00	534.00		

B. PROGRESS OF IMPLEMENTATION OF COUNTRY PROGRAMMES — FORM FS-C.P.2

Data on Controlled Substances for the Baseline Year 1995

COUNTRY: REPUBLIC OF MACEDONIA

Consumption by Sector in Metric Tonnes

Substance	Aerosol	Foam	Fire Fighting	Refrigeration	Solvent application	Fumigation etc.	Other	TOTAL	Import	Export	Production
Annex A, Group I											
CFC-11	10.00	361.00		93.80				464.80	480.00		
CFC-12	10.00			50.20	4.50			64.70	72.00		
CFC-113											
CFC-114									6.00		
CFC-115											
Sub-Total	20.00	361.00		144.00	4.50			529.50	558.00		
Annex A, Group II											
Halon 1211											
Halon 1301			3.00					3.00	3.00		
Sub-Total			3.00					3.00	3.00		
Annex E											
Methyl Bromide						n/r		n/r	20.00		
Sub-Total									20.00		
TOTAL	20.00	361.00	3.00	144.00	4.50			532.50	581.00		

Annex I C Yugoslavia

FEDERAL REPUBLIC of YUGOSLAVIA
FEDERAL MINISTRY for DEVELOPMENT, SCIENCE & ENVIRONMEN

OZONE UNIT

Belgrade 17.01. 2.000; 11.070 Beograd Palata Federacije ; tel. **(381 11) 311 16 38 ; fax. **(381 11) 311 29

UNITED NATIONS INDUSTRIAL
DEVELOPMENT ORGANIZATION
P.O. Box 300, A-1400 Vienna Austria
To: Mrs. H. Seniz Yalcindag / Mr. G.Anestis
Fax: 99-43-1-26026-6804

Subject: MP/YUG/98/066 – Countries Baseline Data

Dear Mrs. Yalcindag

This will refer to your letter dated 18 January and concerns the conclusions of the 28 Th session the Executive Committee of the Multilateral Fund for the implementation of the Montreal Protocol.
Data given bellow is based on the information from the Country Programme.

I .The distribution of the baseline consumption by sector:

	Aerosols	Foam	Refrige ration	Solvents	Halons	Other (MeBr)	TOTAL
Baseline consumption Of ODS (metric tones)							
1995*(estimation)	53	312	384	50	1		800
1996	66,3	352,1	449	50	1,5		918,5
1997	59,8	317,4	404,5	45	1,3		828
Average (1995-1997)	59,7	327,2	412,5	48,3	1,26		848,96

* In the period 1992 –1995 FRY was exposed to UN SC embargo on import on all goods and equipment, except those of humanitarian character and there are no official data. Given amount is based on extrapolation of data given in form of graph (Source: Country Program page no. 28)

cc. dh. Anestis.

II. Reduction envisaged in the baseline as result of investment projects already approved within each sector

Name of project	Number of project	ODP to be phased out	ODP phased out	Deadline for phase out
Replacement of CFC-113 as solvent for dialysers by water and steam at Hemomed Ltd.	MP/YUG/98/076	54,6	54,6	December 1998
Total (MT of CFC 113)		54,6	54,6	

III. The estimated distribution between consumption for manufacturing industries And servicing/installations on site in the refrigeration sector

According to data for 1996, out of 449 Mt used in refrigeration sector 225 Mt was used for servicing / installation (source Refrigeration Management Plan for FR Yugoslavia) i.e. distribution between consumption for manufacturing industries and services/ installations in the refrigeration sector for the period in which the baseline consumption is established is 49% : 51%.

In last two years this ratio shows increasing trend in favor of service/installation due to economic problems and reduced possibilities for manufacturing and export of products of refrigeration sector.

With kind regards,

Sincerely Yours

Miroslav Spasojevic,

Ozone Manager

Appendix 4

PROGRESS IN PROJECT IMPLEMENTATION AND REDUCTION OF ODS
GIVEN BY THE OZONE UNIT OF THE FR OF THE YUGOSLAVIA
Covering the period of 01.01.1999. to 31.12.1999
For onward transmission to the Secretariat of the Multilateral Fund

1. ODS Consumption

	Aerosols	Foam	Refrige -ration	Solvents	Halons	Other (MeBr)	TOTAL
Baseline consumption Of ODS (metric tonnes)							
1995(estimation)	53	312	384	50	1		800
1996	66,3	352,1	449	50	1,5		918,5
1997	59,8	317,4	404,5	45	1,3		828
Average (1995-1997)	59,7	327,2	412,5	48,3	1,26		848,96

- Data will be available in first quarter of 2.000 and will be submitted accordingly

1.List of all approved projects, CFCs to be phased and dead line for phase out.

Name of project	Number of project	ODP to be phased out	ODP phased out	Deadline for phase out
Country Programme	MP/YUG/97/063	0,00	0,00	June 1998
Preparation of an investment project in the refrigeration sector for phasing out ODS at Obod	MP/YUG/97/206	0,00	0,00	March 1998
Preparation of an investment project in the solvent sector for phasing out ODS at Hemofarm	MP/YUG/97/205	0,00	0,00	January 1999
Preparation of refrigerant management plan	MP/YUG/98/011	0.00	0,00	June 1998
Creation of Ozone Secretariat	MP/YUG/98/066	0,00	0,00	
Replacement of CFC-113 as solvent for dyalisers by water and steamat Hemomed Ltd.	MP/YUG/98/076	54,6	54,6	December 1998
Total (MT of CFC 113)		54,6	54,6	

(Date and signature by officer in charge)

Status Report on ODS Phaseout in Article 5 Countries: Implementation of Decision 28/25

Country: **Turkey**

TABLE 1: Baseline Consumption (1995 - 1997) by Sector - Decision 28/25

Sector	1995	1996	1997	Baseline
Aerosol	27	28	30	28
Foam	2,108	2,472	2,435	2,338
Halon	20	52	27	33
Refrigeration	1,629	1,265	1,405	1,433
Solvent	1,292	1,902	157	1,117
Methyl Bromide	702	964	840	835
Other	-	-	-	-
Total	5,778	6,683	4,894	5,785

TABLE 2: Baseline Consumption (1995 - 1997) by Chemical - Decision 29/10

Chemical	1995	1996	1997	Baseline
CFC-11	2,114	2,478	2,442	2,345
CFC-12	1,644	1,279	1,419	1,447
CFC-113	34		6	13
CFC-114	-		1	0
CFC-115	6	8	8	7
Halon-1211	16	42	23	27
Halon-1301	4	10	4	
Halon-2401				
CTC	122	180	64	122
1,1,1-Trichloroethane	1,136	1,722	87	982
Methyl Bromide	702	964	840	835
Other (CFC-13 and -212)			-	-
Total	5,778	6,683	4,894	5,785

TABLE 3: ODP To Be Phased Out from All Approved Projects* - Decision 28/25

Sector	Approved	ODP Already	ODP to Be
Aerosol	-	-	-
Foam	2,014	551	1,463
Halon	-	-	-
Refrigeration	1,173	1,077	97
Solvent	16	4	12
Methyl Bromide	-	-	-
Other	-	-	-
Total	3,204	1,632	1,572

*Source: MLF Database of All Approved Projects (as of July 1999)

TABLE 4: Distribution of CFC Consumption in the Refrigeration Sector* - Decision 28/25

Sector	1999
Manufacturing	20.50%
Servicing	79.50%

Status Report on ODS Phaseout in Article 5 Countries: Implementation of Decision 28/25

Country: **Tunisia**

TABLE 1: Baseline Consumption (1995 - 1997) by Sector - Decision 28/25

Sector	1995	1996	1997	Baseline
Aerosol	180	200	160	180
Foam	380	480	530	463
Halon	6	20	27	18
Refrigeration	166	150	220	179
Solvent	40	72	82	65
Methyl Bromide	20	8	15	14
Other	-	-	-	-
Total	792	930	1,034	919

TABLE 2: Baseline Consumption (1995 - 1997) by Chemical - Decision 29/10

Chemical	1995	1996	1997	Baseline
CFC-11				-
CFC-12				-
CFC-113				-
CFC-114				-
CFC-115				-
Halon-1211				-
Halon-1301				
Halon-2401				
CTC				-
1,1,1-Trichloroethane				-
Methyl Bromide				-
Other (CFC-13 and -212)			-	-
Total	792	930	1,034	919

TABLE 3: ODP To Be Phased Out from All Approved Projects* - Decision 28/25

Sector	Approved	ODP Already	ODP to Be
Aerosol	273	165	108
Foam	479	188	291
Halon	-	-	-
Refrigeration	108	108	-
Solvent	-	-	-
Methyl Bromide	-	-	-
Other	-	-	-
Total	860	461	399

*Source: MLF Database of All Approved Projects (as of July 1999)

TABLE 4: Distribution of CFC Consumption in the Refrigeration Sector* - Decision 28/25

Sector	1999
Manufacturing	%
Servicing	%

Status Report on ODS Phaseout in Article 5 Countries: Implementation of Decision 28/25

Country: **Philippines**

TABLE 1: Baseline Consumption (1995 - 1997) by Sector - Decision 28/25

Sector	1995	1996	1997	Baseline
Aerosol	22	22	22	22
Foam	672	440	396	503
Halon	34	39	47	40
Refrigeration	2,231	2,273	2,085	2,196
Solvent	246	130	-	125
Methyl Bromide	16	32	16	21
Other	416	300	209	308
Total	3,636	3,236	2,775	3,216

TABLE 2: Baseline Consumption (1995 - 1997) by Chemical - Decision 29/10

Chemical	1995	1996	1997	Baseline
CFC-11	1,244	789	629	888
CFC-12	2,095	2,199	2,001	2,098
CFC-113	52	25	-	26
CFC-114	-	-	-	-
CFC-115	8	3	2	5
Halon-1211	101	118	127	115
Halon-1301				
Halon-2401				
CTC	111	67		59
1,1,1-Trichloroethane	8	4	-	4
Methyl Bromide	16	32	16	21
Total	3,636	3,236	2,775	3,216

TABLE 3: ODP To Be Phased Out from All Approved Projects* - Decision 28/25

Sector	Approved	ODP Already	ODP to Be
Aerosol	-	-	-
Foam	470	281	189
Halon	77	-	77
Refrigeration	467	446	22
Solvent	179	158	21
Methyl Bromide	34	-	34
Other	350	280	70
Total	1,578	1,165	412

*Source: MLF Database of All Approved Projects (as of July 1999)

TABLE 4: Distribution of CFC Consumption in the Refrigeration Sector* - Decision 28/25

Sector	1999
Manufacturing	1.63%
Servicing	98.37%

n:\envgc\mptemp\excom\30\status-report-philippines.xls

Status Report on ODS Phaseout in Article 5 Countries: Implementation of Decision 28/25

Country: **Jordan**

TABLE 1: Baseline Consumption (1995 - 1997) by Sector - Decision 28/25

Sector	1995	1996	1997	Baseline
Aerosol	290	270	305	288
Foam	140	240	300	227
Halon	75	63	58	65
Refrigeration	180	188	248	205
Solvent	25	33	35	31
Methyl Bromide	300	300	275	292
Other	-	-	-	-
Total	1,010	1,094	1,221	1,108

TABLE 2: Baseline Consumption (1995 - 1997) by Chemical - Decision 29/10

Chemical	1995	1996	1997	Baseline
CFC-11				-
CFC-12				-
CFC-113				-
CFC-114				-
CFC-115				-
Halon-1211				-
Halon-1301				
Halon-2401				
CTC				-
1,1,1-Trichloroethane				-
Methyl Bromide				-
Total	1,010	1,094	1,221	1,108

TABLE 3: ODP To Be Phased Out from All Approved Projects* - Decision 28/25

Sector	Approved ODS (ODP Ton)	ODP Already Phaed Out (ODP Ton)	ODP to Be Phased Out (ODP Ton)
Aerosol	294	396	-
Foam	377	40	337
Halon	-	-	-
Refrigeration	180	85	95
Solvent	-	-	-
Methyl Bromide	-	-	-
Other	-	-	-
Total	851	521	330

*Source: MLF Database of All Approved Projects (as of July 1999)

TABLE 4: Distribution of CFC Consumption in the Refrigeration Sector* - Decision 28/25

Sector	1999
Manufacturing Industry	70.00%
Servicing	30.00%

Status Report on ODS Phaseout in Article 5 Countries: Implementation of Decision 28/25

Country: **Ecuador**

TABLE 1: Baseline Consumption (1995 - 1997) by Sector - Decision 28/25

Sector	1995	1996	1997	Baseline
Aerosol	13	18	3	11
Foam	87	132	97	105
Halon	-	-	-	-
Refrigeration	210	199	220	210
Solvent	8	10	33	17
Methyl Bromide	66	117	107	97
Other	-	-	67	22
Total	383	476	527	462

TABLE 2: Baseline Consumption (1995 - 1997) by Chemical - Decision 29/10

Chemical	1995	1996	1997	Baseline
CFC-11	46.75	32.39	54.81	44.65
CFC-12	263.37	271.45	239.75	258.19
CFC-113	0.00	0.00	0.34	0.11
CFC-114	0.00	45.45	25.59	23.68
CFC-115	0.00	0.00	0.00	0.00
Halon-1211	0.00	0.00	0.00	0.00
Halon-1301	0.00	0.00	0.00	0.00
Halon-2401	0.00	0.00	0.00	0.00
CTC	0.34	1.51	1.51	1.12
1,1,1-Trichloroethane	7.26	8.53	31.30	15.70
Methyl Bromide	65.68	116.60	107.22	96.50
Other (CFC-13 and -	0.00	0.00	66.79	22.26
Total	383.40	475.93	527.31	462.21

TABLE 3: ODP To Be Phased Out from All Approved Projects* - Decision 28/25

Sector	Approved ODS (ODP Ton)	ODP Already Phased Out (ODP Ton)	ODP to Be Phased Out (ODP Ton)
Aerosol	290	290	-
Foam	83	126	32
Halon	-	-	-
Refrigeration	44	-	44
Solvent	-	-	-
Methyl Bromide	-	-	-
Other	-	-	-
Total	417	416	76

*Source: MLF Database of All Approved Projects (as of July 1999)

TABLE 4: Distribution of CFC Consumption in the Refrigeration Sector* - Decision 28/25

Sector	1999
Manufacturing Industry	20.00%
Servicing	80.00%

Status Report on ODS Phaseout in Article 5 Countries: Implementation of Decision 28/25

Country: **Chile**

TABLE 1: Baseline Consumption (1995 - 1997) by Sector - Decision 28/25

Sector	1995	1996	1997	Baseline
Aerosol	34	16	7	19
Foam	538	462	352	451
Halon	3	5	-	3
Refrigeration	343	392	287	341
Solvent	126	119	65	103
Methyl Bromide	295	394	292	327
Other	-	-	-	-
Total	1,339	1,387	1,002	1,243

*Dec. 28/25 and Dec. 29/10 do not request for information on Annex C chemicals

TABLE 2: Baseline Consumption (1995 - 1997) by Chemical - Decision 29/10

Chemical	1995	1996	1997	Baseline
CFC-11	538	462	352	451
CFC-12	377	408	294	360
CFC-113	23	11	23	19
CFC-114	-	-	-	-
CFC-115	-	-	18	6
Halon-1211	3	5	-	3
Halon-1301		-	-	
Halon-2401		-	-	
CTC	5	2	1	3
1,1,1-Trichloroethane	98	106	23	76
Methyl Bromide	295	394	292	327
Other (CFC-13 and -212)			-	-
Total	1,339	1,387	1,002	1,243

TABLE 3: ODP To Be Phased Out from All Approved Projects* - Decision 28/25

Sector	Approved ODS (ODP Ton)	ODP Already Phaed Out (ODP Ton)	ODP to Be Phased Out (ODP Ton)
Aerosol	-	-	-
Foam	84	66	18
Halon	-	-	-
Refrigeration	50	45	4
Solvent	-	-	-
Methyl Bromide	-	-	-
Other	670	-	670
Total	804	111	693

*Source: MLF Database of All Approved Projects (as of July 1999)

TABLE 4: Distribution of CFC Consumption in the Refrigeration Sector* - Decision 28/25

Sector	1999
Manufacturing Industry	13.00%
Servicing	87.00%

ANNEX II: SECTOR DISTRIBUTION OF BASELINE

Country	Chemical	CFC										NON-CFC								Total Consumption (1)	Approved but not Implemented (Total)	Compliance Baseline Data (2)
		AEROSOL		FOAM		SOLVENT (CFC-113)		REFRIGERATION				SOLVENT				FIRE FIGHTING		FUMIGANT				
		Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Manufacturing	Servicing	CTC Consumption	Approved but not Implemented	TCA Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented			
Chile	CFC	19.00	0.00	451.00	166.00	24.00	0.00	341.00	32.00	13%	87%					3.00	0.00			835.00	198.00	828.70
	Halon																			3.00	0.00	8.50
	CTC											3.00	0.00							3.00	0.00	
	TCA													76.00	0.00					76.00	0.00	
	MBR																	327.00	0.00	327.00	0.00	212.51
Ecuador	CFC	11.00	0.00	105.00	32.00	0.00	0.00	210.00	44.00	20%	80%									326.00	76.00	301.40
	Halon															0.00	0.00			0.00	0.00	5.50
	CTC											1.12	0.00							1.12	0.00	
	TCA													15.70	0.00					15.70	0.00	
	MBR																	97.00	0.00	97.00	0.00	66.23
Egypt	CFC			1,568.00	N/A	138.00	N/A	1,671.00	N/A	1,121.00	550.00									3,377.00	N/A	1,668.00
	Halon																					
	CTC											110.00	N/A							110.00	N/A	
	TCA													35.00	N/A					35.00	N/A	
	MBR																					
India	CFC	1,466.00	N/A	2,391.00	N/A	64.00	N/A	2,770.00	N/A							1,249.00	N/A			6,691.00	N/A	6,681.00
	Halon																			1,249.00	N/A	448.40
	CTC											7,885.00								7,885.00		
	TCA																					
	MBR																					
Jordan	CFC	288.00	0.00	227.00	337.00	31.00	0.00	205.00	95.00	70%	30%									751.00	330.00	673.30
	Halon															65.00	0.00			65.00	0.00	210.00
	CTC																			0.00	0.00	
	TCA																			0.00	0.00	
	MBR																	292.00	0.00	292.00	0.00	N/A
Macedonia	CFC	36.00	N/A	347.00	N/A	1.50	N/A	106.60		0.00	65.00									491.10	N/A	519.70
	Halon															3.50	N/A			3.50	N/A	22.10
	CTC																			0.00	N/A	
	TCA																			0.00	N/A	
	MBR																	13.30	N/A	13.30	N/A	12.23
Mexico	CFC	426.00	N/A	390.00	N/A	9.60	N/A	2,667.00	N/A	567.00	2,100.00									3,492.60	744.00	4,591.50
	Halon															212.80	N/A			212.80	N/A	124.60
	CTC											0.00	N/A							0.00	N/A	
	TCA													76.40	N/A					76.40	N/A	
	MBR																	1,207.00	N/A	1,207.00	N/A	1,130.80
Nigeria	CFC			3,770.00	N/A			1,844.00	N/A	283.00	1,561.00									5,614.00	N/A	3,650.00
	Halon															47.00	N/A			47.00	N/A	285.30
	CTC											148.00	N/A							148.00	N/A	
	TCA													332.00	N/A					332.00	N/A	
	MBR																	3.00	N/A	3.00	N/A	N/A
Philippines	CFC	22.00	0.00	503.00	189.00	62.00	N/A	2,196.00	22.00	2%	98%									2,783.00	211.00	3,055.90
	Halon															40.00	77.00			40.00	77.00	103.90
	CTC											59.00	N/A							59.00	N/A	
	TCA													4.00	N/A					4.00	N/A	
	MBR																	21.00	34.00	21.00	34.00	N/A
Sri Lanka	CFC	6.00	N/A	9.70	N/A	N/A	N/A	236.00	N/A	6.00	230.00									251.70	N/A	400.40
	Halon															0.00	N/A			0.00	N/A	-
	CTC											N/A	N/A							N/A	N/A	
	TCA													N/A	N/A					N/A	N/A	
	MBR																	4.00	N/A	4.00	N/A	N/A
Syria	CFC	839.60	N/A	550.13	N/A	56.44	N/A	775.17	N/A											2,221.34	N/A	2,224.60
	Halon															358.56	N/A			358.56	N/A	416.90
	CTC																					
	TCA																					
	MBR																					
Thailand	CFC	445.00	N/A	1,279.00	N/A	112.00	N/A	1,947.00	N/A	N/A	N/A									3,783.00	3,027.00	6,082.10
	Halon															154.00	N/A			154.00	N/A	271.70
	CTC											8.80	N/A							8.80	N/A	
	TCA													84.70	N/A					84.70	N/A	
	MBR																	412.30	N/A	412.30	N/A	164.90
Tunisia	CFC	180.00	108.00	463.00	291.00	65.00	0.00	179.00	0.00	N/A	N/A									887.00	399.00	870.10
	Halon															18.00	0.00			18.00	0.00	104.30
	CTC																			0.00	0.00	

ANNEX II: SECTOR DISTRIBUTION OF BASELINE

Country	Chemical	CFC										NON-CFC								Total Consumption (1)	Approved but not Implemented (Total)	Compliance Baseline Data (2)
		AEROSOL		FOAM		SOLVENT (CFC-113)		REFRIGERATION				SOLVENT				FIRE FIGHTING		FUMIGANT				
		Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Manufacturing	Servicing	CTC Consumption	Approved but not Implemented	TCA Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented	Sector Consumption	Approved but not Implemented			
	TCA																	14.00	0.00	14.00	0.00	8.25
	MBR																			3,812.00	1,560.00	3,805.30
Turkey	CFC	28.00	0.00	2,338.00	1,463.00	13.00	N/A	1,433.00	97.00	21%	80%					33.00	0.00			33.00	0.00	141.00
	Halon											122.00	N/A							122.00	N/A	
	CTC													982.00	N/A					982.00	N/A	
	TCA																	835.00	0.00	835.00	0.00	N/A
	MBR																			847.70	N/A	N/A
Yugoslavia	CFC	59.70	N/A	327.20	N/A	48.30	0.00	412.50	N/A	224.00	225.00					1.26	N/A			1.26	N/A	N/A
	Halon																					
	CTC																					
	TCA																					
	MBR																					
																				36,163.44	6,545.00	32,352.00
Total	CFC																			2,185.12	77.00	2,142.20
	Halon																			8,336.92		
	CTC																			1,605.80		
	TCA																			3,225.60	34.00	1,594.92
	MBR																					
Grand Total																				51,516.88	6,656.00	36,089.12

N/A = Not Available

For those countries without the breakdown in solvent sector, CFC-113 is assumed.

(1) Reported by Implementing Agencies: UNDP(1998), World Bank(1995-1997), UNIDO(1995-1997)

(2) <1995-1997> for CFCs and halons reported by the Ozone Secretariat.