

<

>

2000

“

”

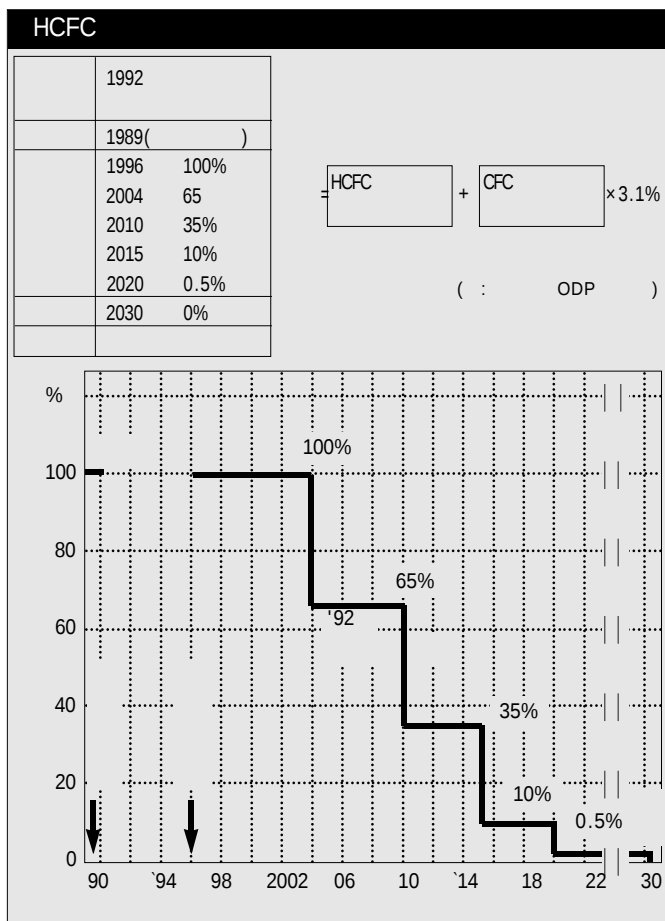
92 7 가, 90
1 , 32 1 .
A · B (adjustment) .

2 9
가 6
가 (C · D) (amendment)

9 「 3 」
1. 가
가 20 94 1 1 ,

2. 가 1 , 90
가 1 1

1 1



			()	ODP ²⁾
A		CFC	5 3	0.6-1.0 3.0-10.0
B		CFC	10 1 1	1.0 1.1 0.1
C		1,1,1- HCFC HBFC	34(184) 34(204)	0.001-0.14 0.02-1.0
E			1	0.7

) 1) 「 A (4 3) 」
2) ODP

C F C

1996 A CFC 2000 94 25%

essential use B CFC A I .

B 가 94
가
r (/25) 가 ,
essential assessment
panel
o 가, o
o UNEP/IE . PAC(/ .) o

1,1,1- B 96 , 95 15%
(B) 94 50%, 96

HCFC

HCFC 90 6 2 , C 34

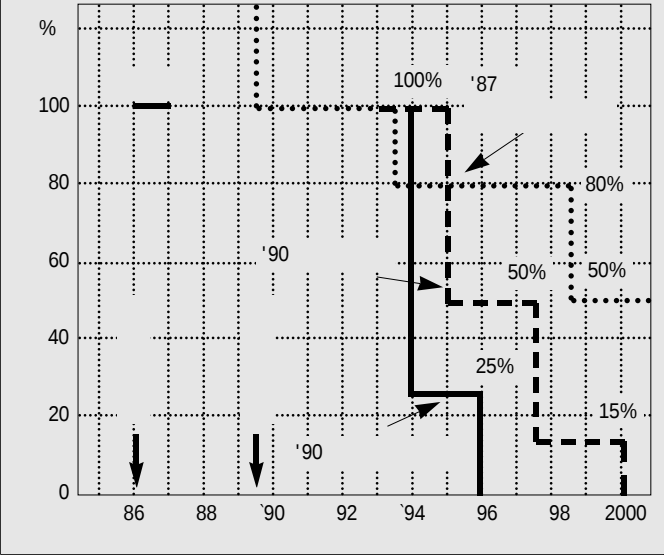
HCFC

CFC , 가 HCFC
가
(cap) .
(tail) . 3
: 89 HCFCs CFCs
(= HCFC + CFC × 3.1%)
: 96

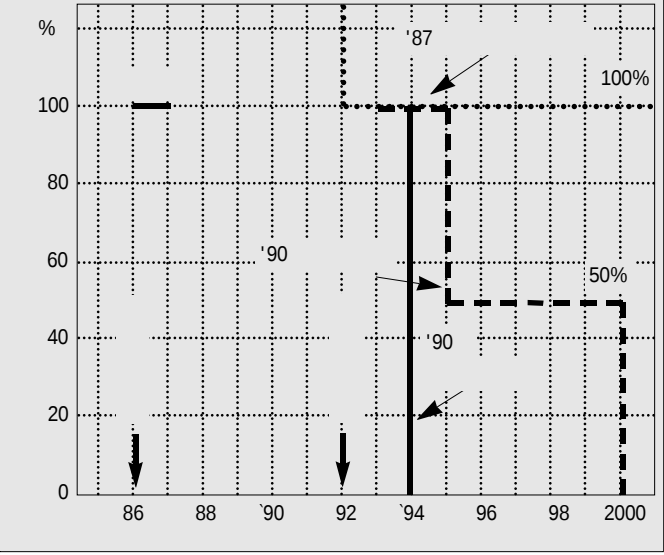
- o 2004 65%
- o 2010 35%
- o 2015 10%
- o 2020 0.5%

2030 0%

CFC	1987	1990	1992
	1986	1986	1996
	1989.7 100%	1989.7 100%	1989.7 100%
	1993.7 80%	1995 50%	1994 25%
	1998.7 50%	1997 15%	
		2000 0%	1990 0%
			Essential use

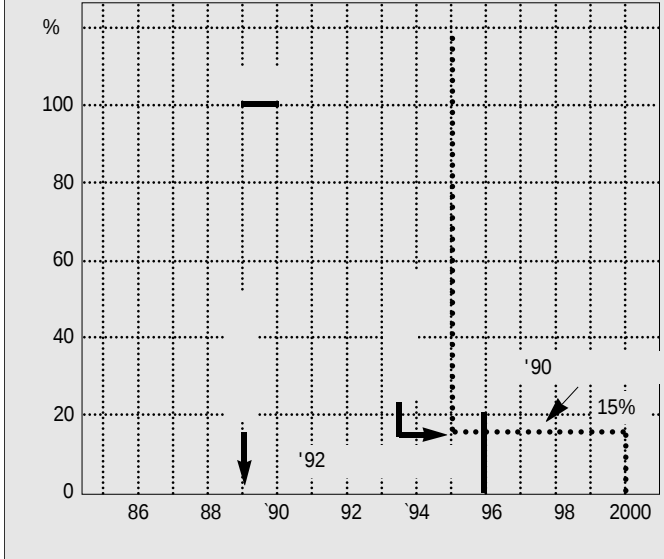


	1987	1990	1992
	1986	1986	1996
	1992 100%	1992 100%	(1992 100%)
		1995 50%	1994 0%
		2000 0%	
			Essential use

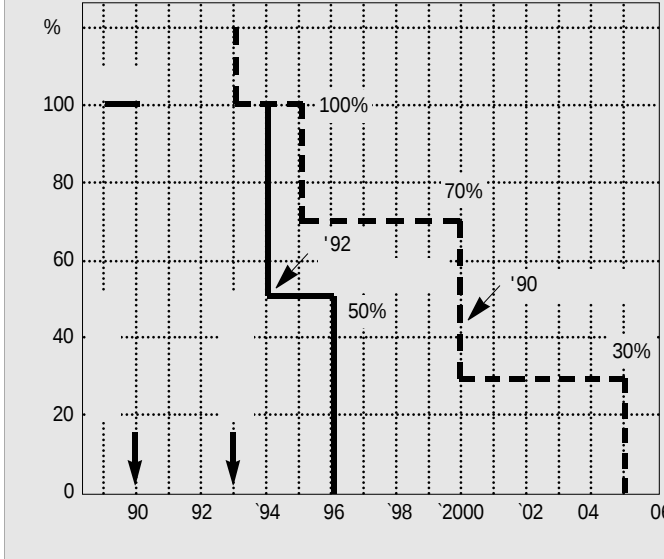


) ()

	1990	1992
	1989	1989
	1995 15%	(1995 15%)
	2000 0%	1996 0%
		Essential use



1,1,1-	1990	1990
	1989	1989
	1993 100%	(1993 100%)
	1995 70%	1994 50%
	2000 30%	
	2005 0%	1996 0%
		Essential use



7) : HCFC (2 F
 1996 1 1
 HCFC
 HCFC
 HCFC
 HCFC
 C
 가

HBFC

BFC(bromofluorocarbon)
 HBFC(hydrobromofluorocarbon)
 -1201(CHF_2Br , HBFC-1201 HBFC-22BI, ODP = 0.74), -2401(CF_3CHBrF ,
 HBFC-2401 HBFC-124BI, ODP = 0.7 ~ 1.2)
 HBFC HCFC 가 essential use 96 1 1
 0%
 HBFC C 34
 95

92 2000 2000 75%
 EC
 EC
 E
 1991 1995
 가 2000 95 assessment panel 7
 : 0.7
 assessment panel , 94 11 30
 :
 「 /22」 assessment panel assessment panel
 가
 : assessment panel

CFC (: 100)						
			가	(T/y)		
Du Pont	HFC-134a	Pona City,	USA	2,000	30	1990
	HFC134a/124	Corpus Christi	USA	32,400	70	1993
	HFC-134a	Dordrecht	Netherlands	6,600		1994
	HFC134a/124	Chiba	Japan	7,000(32,000)	Mitsui-Du pont	1992
	HFC-125/32	Deepwater	USA	Pilot		1992
	FCFC-123	Maitland	Canada	2,000	20	1990
	Dimethylether	Humberside	U. K.	15,000		1993
	HFC-32	Wilmington	USA			1991
Allied Signal	HCFC-141b	Geismar	USA		50	1992
	HCFC-141b	El Segundo	USA	9,000	CFC-113plant	1992
	HFC-134a	Kashima	Japan	50-60		1990
	HFC-134a/32	Baton Rouge	USA	9,000(20,000)	40	1994
	HFC-32/125	Buffalo	USA			1992
ICI	HFC-134a	Runcorn	U. K.	3,000	59	1991
	HFC-134a	St. Gabriel	USA	10,000(20,000)	146	1993
	HFC-134a	Mihara,	Japan(Teijin)	5,000	127	1993
	HCFC-123	Runcorn	U. K.	Pilot		
	HFC-32	Widnes	U. K.	1,000	7	1992
Elf Atochem	HFC-134a	Pierre Benite	France	9,000		1992
	HFC-134a	Calvert City	USA	18,000	100	1995
	HCFC141b/142b	Pierre Benite	France	40,000	88	1992
	HCFC141b/142b	Calvert City	USA	50,000	30	1991
	HFC-32					1993
Rhone- Poulenc	ISCEON 69S	Avonmouth	England	22/218/290	forR-502	1993
	HCFC-22	Avonmouth	U. K.	8,000	5	1991
	HFC-134a	Avonmouth	U. K.			1993
Hoechst	HFC-134a	Frankfurt	Germany	10,000	CFC-12Plant	1993
	HCFC-123				72	
	HFC-227					
Bayer	HFC-123	Leverkusen	USA		for PU foam	
Solvay	HCFC-123	Tavaux	France	1,000		1992
	HCFC-142b	Tavaux	France	4,000	Flou und Deiv	1992
Montefluos	HFC-134a	Porto Marghera	Italy	2,500	L20,000Deiv	1991
	HCFC-123			2,500	L20,000M	1991
	HCFC-141b	Throfare	USA	2,500		1991
Akzo	HCFC-141b	Weert	Netherlands			
Daikin	HFC-134a	Kashima	Japan	5,000	L60,000M	1991
	HCFC-123					
	HCFC-141b					
Showa Denko	HFC-134a	Kawasaki	Japan	5,000		1992
Central Glass	HCFC-141b	Kawasaki	Japan	5,000	CFC-113plant	1993
Asahi Glass	HCFC141b/142b	Chiba	Japan	2,000/2,000	CFC swing	
	HCFC-225s	Chiba	Japan	2,000		1992
	HFC-134a	Kashima	Japan	5,000		1992
	HCFC-123	Kashima	Japan	800		

가 . 가
가 . . .

< 1993/6/1>