



Framework Convention on Climate Change

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Annual status report of the greenhouse gas inventory of Kazakhstan

1. This status report was prepared by the secretariat as part of the initial check of the greenhouse gas inventory submitted in accordance with decision 19/CP.8. It reflects the content of the inventory submission of 2011 as originally submitted by the Party.

2. In this report, the following abbreviations are used:

CRF: common reporting format

LULUCF: land use, land-use change and forestry

NIR: national inventory report

SBDT: sectoral background data tables

SOPU: solvent and other product use

Notation keys

C: confidential

IE: included elsewhere

NA: not applicable

NE: not estimated

NO: not occurring

Greenhouse gases

CO₂: carbon dioxide

CH₄: methane

N₂O: nitrous oxide

HFCs: hydrofluorocarbons

PFCs: perfluorocarbons

SF₆: sulphur hexafluoride

NO_x: nitrogen oxides

CO: carbon monoxide

NMVOCs: non-methane volatile organic compounds

SO₂: sulphur dioxide

GREENHOUSE GAS INVENTORY SUBMISSION												
General information		Date of receipt		Date of resubmission			Comments					
	NIR											
	CRF tables ^a	15 April 2011										
	Additional information ^b											
	CRF provided for years	1990–2009										
	Base year or period ^c	1990										
	Gases covered	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NO _x	CO	NMVOCs	SO ₂	
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
NIR	Description											
	Language of NIR	No NIR was submitted yet as of 27 May 2011.										

^a CRF tables are contained in document FCCC/SBSTA/2006/9, annex II.

^b Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

^c Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

^d “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines for annual inventories” (FCCC/SBSTA/2006/9).

PART I													
Provision of information for the latest reported inventory year in the common reporting format: 2009													
Tables		Energy		Industrial processes		SOPU		Agriculture		LULUCF		Waste	
	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	5	✓	6	✓
				2(II)	✓								
	Sectoral background data tables	1.A(a)	✓	2(I).A–G	✓	3.A–D	✓	4.A	✓	5.A	✓	6.A	✓
		1.A(b)	✓	2(II).C	✓			4.B(a)	✓	5.B	✓	6.B	✓
		1.A(c)	✓	2(II).E	✓			4.B(b)	✓	5.C	✓	6.C	✓
		1.A(d)	✓	2(II).F				4.C	✓	5.D	✓		
		1.B.1	✓					4.D	✓	5.E	✓		
		1.B.2	✓					4.E	✓	5.F	✓		
		1.C	✓					4.F	✓	5 (I)	✓		
		Bunkers separately								5 (II)	✓		
										5 (III)	✓		
									5 (IV)	✓			
									5 (V)	✓			
	Summary tables	Summary 1.A			✓	Summary 1.B			✓	Summary 2			✓
Other tables	Summary 3			✓	Table 7 (Key categories)				Table 9(a) (Completeness)			✓	
	Table 10 (Trends)			✓					Table 9(b) (Completeness)				
Comments													
Totals	Provided for gases	CO ₂ ✓		CH ₄ ✓		N ₂ O ✓		HFCs ✓		PFCs ✓		SF ₆ ✓	
	Provided for years	1990–2009		1990–2009		1990–2009		1995–2009		2007–2009		2004–2009	
CO ₂	Comparison of CO ₂ from fuel combustion	Reference approach		Sectoral approach			Difference more than 2 per cent			If difference is more than 2 per cent			
		✓		✓			✓			Explanation provided			
HFCs, PFCs, SF ₆	Disaggregation by species			HFCs			PFCs			SF ₆			
				✓			✓						
	Reporting of actual and/or potential emission estimates in the category consumption of halocarbons and SF ₆			Actual	Potential	Actual	Potential	Actual	Potential				
				✓				✓					
Inventory keys	Used in	Summary table 1.A		✓	Sectoral report tables			✓	Sectoral background data tables			✓	
	Comments												

PART II																				
Provision of common reporting format tables for years reported																				
			Years													Information gaps relating to reporting ^b			Comments	
			Base year ^a	1990	1995	2000	2002	2003	2004	2005	2006	2007	2008	2009						
Energy	Sectoral report: Table 1			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	SBDT	Table 1.A(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
		Table 1.A(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 1.A(c)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
		Table 1.A(d)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
		Table 1.B.1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 1.B.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 1.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation keys NE, NA, NO are used.			
		Industrial Processes	Sectoral reports:		Table 2(I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
			Table 2(II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
SBDT	Table 2(I).A–G			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	Table 2(II).C			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2006. For the years 1990–2006 the notation keys NO, NA are used.				
	Table 2(II).E			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation keys NO, NA are used.				
	Table 2(II).F																			
	Solvent Use		Sectoral report: Table 3			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
SBDT		Table 3.A–D			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

PART II																			
Provision of common reporting format tables for years reported (continued)																			
		Years													Information gaps relating to reporting ^b			Comments	
		Base year ^a	1990	1995	2000	2002	2003	2004	2005	2006	2007	2008	2009						
Agriculture	Sectoral report: Table 4			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	SBDT	Table 4.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 4.B(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 4.B(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 4.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 4.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 4.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation key NA is used.			
		Table 4.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation keys NA, NO are used.			
LULUCF	Sectoral report: Table 5			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	SBDT	Table 5.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5 (I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation key NO is used.			
		Table 5 (II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5 (III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
		Table 5 (IV)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table. The notation key NO is used.			
		Table 5 (V)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					

PART II																
Provision of common reporting format tables for years reported (continued)																
		Years												Information gaps relating to reporting ^b		Comments
		Base year ^a	1990	1995	2000	2002	2003	2004	2005	2006	2007	2008	2009			
Waste	Sectoral report: Table 6		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 6.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 6.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		Table 6.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2005. For the years 1990–2005 the notation key NO is used.	
Summary and other tables	SBDT	Summary 1.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 1.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 2 (CO ₂ equivalent emissions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		Summary 3 (Methods/emission factors)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		Table 7 (Key categories)	✓													
		Table 8(a) (Recalculation – recalculated data)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 8(b) (Recalculation – explanatory information)									✓					
		Table 9(a) (Completeness)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 9(b) (Completeness)														
		Table 10 (Trends)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			

^a Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

^b The latest recalculated year is the submission year minus 3.

PART III						
Provision of information relating to recalculations						
Table 8(a) (Recalculated data)	✓	Comments				
Recalculation reported for years	1990–2008					
Recalculated sectors/gases	Energy	Industrial processes	SOPU	Agriculture	LULUCF	Waste
CO ₂	✓	✓			✓	✓
CH ₄	✓			✓	✓	✓
N ₂ O	✓	✓		✓	✓	✓
HFCs		✓				
PFCs						
SF ₆						
Table 8(b) (Explanatory information)		✓				
Percentage difference in aggregate greenhouse gas emission	Base year estimate: ^a		with LULUCF:	12.17 %	without LULUCF:	11.3 %
	Latest recalculated year: ^b		with LULUCF:	6.97 %	without LULUCF:	10.08 %

^a Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

^b The latest recalculated year is the submission year minus 3.