

ANNEX 1

WORKSHEETS

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ANNEX 1 WORKSHEETS

1.1 INTRODUCTION

No refinement

1.A FUEL COMBUSTION ACTIVITIES

No refinement

1.B.1 SOLID FUELS

1.B.1.a.i Solid Fuels - Coal Mining and Handling - Underground Mines

No refinement

1.B.1.a.ii Solid Fuels - Coal Mining and Handling - Surface Mines

No refinement

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1.B.1.a.iii Solid Fuels - Coal Mining and Handling - Exploration (New Guidance)

Sector	Energy				
Category	Solid Fuels - Coal Mining and Handling - Exploration				
Category Code	1.B.1.a.iii				
Sheet	1 OF 1 (CH ₄ EMISSIONS FROM COAL EXPLORATION ACTIVITIES)				
CH ₄ Emissions					
	A	B	C	D	E
	Amount of Coal Augmentation	Emission Factor	Methane Emissions	Conversion Factor	Methane Emissions
	(tonne)	(m ³ tonne ⁻¹)	(m ³)	(Gg CH ₄ m ⁻³)	(Gg CH ₄)
			C = A*B		E=C*D
Coal exploration (1.B.1.a.iii)				0.67x10 ⁻⁶	

1.B.1.c Fuel Transformation (New Guidance)

Sector		Energy					
Category		Fuel Transformation					
Category Code		1.B.1.c					
Sheet		1 OF 1 (METHANE AND NITROXIDE EMISSIONS FROM FUEL TRANSFORMATION)					
				CH ₄		N ₂ O	
IPCC	Sector	Subcategory	A	D	E	F	G
Code	Name		Activity	Emission	Emissions	Emission	Emissions
				Factor	(Gg)	Factor	(Gg)
					E=A*D		G=A*F
1B1ci	Charcoal Production						
1B1cii	Coke Production						
1B1ciii	Solid to Solid Fuel Production						
1B1civ	Gasification Transformation						
				TOTAL		TOTAL	

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43 **1.B.2 OIL AND NATURAL GAS (UPDATED)**

44 The following worksheet for the Tier 1 approach should be filled in for each source category and subcategory.

45 The potential subcategories are indicated in Tables 4.2.2 and 4.2.4 to 4.2.4k of the Chapter 4: Fugitive Emissions.

Sector		Energy							
Category		Oil and natural gas							
Category Code		1.B.2							
Sheet		1 OF 2 (OIL AND NATURAL GAS)							
				CO ₂		CH ₄		N ₂ O	
IPCC	Sector	Subcategory	A	B	C	D	E	F	G
Code	Name		Activity	Emission Factor	Emissions (Gg)	Emission Factor	Emissions (Gg)	Emission Factor	Emissions (Gg)
					C=A*B		E=A*D		G=A*F
1.B.2	Oil and Natural Gas								
1.B.2.a	Oil								
1.B.2.a.i	Exploration								
1.B.2.a.ii	Production and Upgrading								
1.B.2.a.iii	Transport								
1.B.2.a.iv	Refining								
1.B.2.a.v	Distribution of Oil Products								
1.B.2.a.vi	Other								
1.B.2.a.vii	Abandoned oil wells								
				TOTAL		TOTAL		TOTAL	

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Sector		Energy							
Category		Oil and natural gas							
Category Code		1.B.2							
Sheet		2 OF 2 (OIL AND NATURAL GAS)							
				CO ₂		CH ₄		N ₂ O	
IPCC	Sector	Subcategory	A	B	C	D	E	F	G
Code	Name		Activity	Emission	Emissions	Emission	Emissions	Emission	Emissions
				Factor	(Gg)	Factor	(Gg)	Factor	(Gg)
					C=A*B		E=A*D		G=A*F
1.B.2.b	Natural Gas								
1.B.2.b.i	Exploration								
1.B.2.b.ii	Production and Gathering								
1.B.2.b.iii	Processing								
1.B.2.b.iv	Transmission and Storage								
1.B.2.b.v	Distribution								
1.B.2.b.vi	Post-Meter Emissions								
1.B.2.b.vii	Other								
1.B.2.b.viii	Abandoned Gas Wells								
				TOTAL		TOTAL		TOTAL	
1.B.3	Other emissions from Energy Production								

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50 **REFERENCE APPROACH**

51 No refinement

52 **AUXILIARY WORKSHEET (REFERENCE APPROACH)**

53 No refinement

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