

# **1 ANNEX 2**

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## **2 WORKSHEETS**

## Contents

1.B.1.a.iii	CH <sub>4</sub> emissions from coal exploration activities.....	A2.3
1.B.1.c	Methane and Nitroxide emissions from fuel transformation .....	A2.4
1.B.2	Oil and Natural Gas (1 of 2) .....	A2.5
1.B.2	Oil and Natural Gas (2 of 2) .....	A2.6

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

Second-order Draft

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

- 19
- 20 The following worksheet for the Tier 1 approach should be filled in for each source category and subcategory.
- 21 The potential subcategories are indicated in Tables 4.2.2 and 4.2.4 to 4.2.5 of the Chapter 4: Fugitive Emissions.

Sector		Energy							
Category		Oil and natural gas							
Category Code		1B 2							
Sheet		1 OF 2 (OIL AND NATURAL GAS)							
				CO <sub>2</sub>		CH <sub>4</sub>		N <sub>2</sub> 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	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 fuels								
1.B.2.a.vi	Other								
1.B.2.a.vii	Abandoned oil wells								
				<b>TOTAL</b>		<b>TOTAL</b>		<b>TOTAL</b>	

Second-order Draft

Sector		Energy							
Category		Oil and natural gas							
Category Code		1B 2							
Sheet		2 OF 2 (OIL AND NATURAL GAS)							
				CO <sub>2</sub>		CH <sub>4</sub>		N <sub>2</sub> 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								
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	Other								
1.B.2.b.vii	Abandoned oil wells								
				TOTAL		TOTAL		TOTAL	
1.B.3	Other emissions from Energy Production								