

Number of plants: 18  
Average capacity: 20 t/h  
Quantity treated 2004: 1.370.000 t



**Belgium****General Information**

<b>Location</b>	<b>Name of Plant Web-site</b>	<b>Address of Plant</b>
Antwerpen	Antwerpen	Poldervlietweg 5 Haven 550 2030 Antwerpen
Brugge	IVBO ----	Pathoekeweg 41 8000
Brussel	Brussel	Monnoyekaai 8 1000
Doel-Beveren	Doel-Beveren www.indaver.be	Haven 1940 Molenweg 9130
Eeklo	Eeklo	Sint-Laureinsesteenweg 29 9900 Eeklo
Gent	Gent www.ivago.be	Proeftuinstraat 43 9000
Harelbeke	Harelbeke	Kortrijksesteenweg 264 8530 Harelbeke
Herstal	Herstal www.intradel.be	Port de HERSTAL - Pré Wigi 4040
Houthalen	AVI Houthalen www.rmz.be	Industrieterrein Centrum Zuid 2098 3530 Houthalen
Knokke-Heist	Knokke-Heist	Sluisstraat 82 8300
Menen	Menen	Industrielaan 30 8930 Menen
Oostende	IVOO-Oostende  www.ivoo.be	Klokhofstraat 2  8400 Oostende
Pont-de-Loup	Pont-de-Loup	Port de la Praye 6250
Roeselare	Roeselare www.ivro.be	Oostnieuwkerksesteenwet 121 8800
St. Niklaas	St. Niklaas	Vlyminckxhoek 12 9100
Thurmaide	Thurmaide ipalle.be	Hameau de Ribonfasse 1 7971 Thumaide
Virginal	Virginal	16 rue de Tubize 1460
Wilrijk (Antwerpen)	ISVAG www.isvag.be	Boomseseenweg 1000 2610

## Belgium

### Technical Information on the Plant

Location	Line No.	Establ. Year	Closure Year	Capac. t/h	Nom CV GJ/t	Furnace		Boiler		Steam Data oC/bar	Hours of Operat.2004
						Type	Supplier	Type	Supplier		
Antwerpen	1			7			DBA ABB			400/40	
	2			7			DBA ABB			400/40	
Brugge	1	1982	---	9	10	M	Cnim Martin	S	Martin Gmbh / Cnim	330/27	6633
	2	1997	---	9	10	M	Cnim Martin	S	Martin Gmbh / Cnim	330/27	6171
	3	2004	---	9	10	M	Cnim Martin	S	Martin Gmbh / Cnim	330/27	6297
Brussel	1			23			Cnim Martin			400/39	
	2			23			Cnim Martin			400/39	
	3			23			Cnim Martin			400/39	
Doel-Beveren	1	1996		13,3	10,8	M	Seghers	S		400/40	8042
	2	1996		13,3	10,8	M	Seghers	S		400/40	8173
	3	2001		21,5	11,3	M	Seghers	S		400/40	8138
Eeklo	1	1881		7	9	M+R	Vølund			/	
	2	1881		7	9	M+R	Vølund			/	
Gent	1	1996	2024	6,5	9,42	M	Seghers Better Technology	S		37 bar/320	8047
	2	1996	2024	6,5	9,42	M	Seghers Better Technology	S		37 bar/320	8218
Harelbeke	1			5,5			Seghers			400/36	
	2			5,5			Seghers			400/36	
Herstal	1		2010	8		M	Kablitz			380/40	6821
	2		2010	8		R	LB			380/40	5127
	3		2010	8		R	LB			380/40	6270
	4		2010	8		M	Kablitz			380/40	6723
Houthalen	1	1984	2011	5,5	8,7	M	Vølund	WATE RPIPE	Volund/CMI	360/36	6016
	2	1984	2011	5,5	8,7	M	Vølund	WATE RPIPE	Volund/CMI	360/36	6846
Knokke-Heist	1			2,5			Noell			/	
	2			2,5			Noell			/	
Menen	1			4		M	Seghers	WW	M	/	
	2			4		M	Seghers	WW	M	/	
Oostende	1	1982	-	5,5	9		Seghers			360/35	
	2	1982	-	5,5	9		Seghers			360/35	
Pont-de-Loup	1			7,5			Stein LB			380/40	
	2			7,5			Stein LB			380/40	
	3			7,5			Stein LB			380/40	
Roeselare	1	1976		4	9,2	M	Vølund	HW	NDTI	/	8000
	2	1976		4	9,2	M	Vølund	HW	NDTI	/	8000
St. Niklaas	1			3,2			Vølund			/	
	2			3,2			Vølund			/	
Thurmaide	1	1985	2011	7	9,21	Grille M	W+E	Hor S	W+E	365/36	8136
	2	2001	?	16	8,5	Grille M	Martin	Hor S	CNIM	395/45	7832
	3	2001	?	16	8,5	Grille M	Martin	Hor S	CNIM	395/45	7509

## Belgium

### Technical Information on the Plant

Location	Line No.	Flue Gas Cleaning System	ESP		Flue Gas Cleaning		Flue Gas Temp., °C
			Year	Supplier	Year	Supplier	
Antwerpen	1	NO INFO					
	2	NO INFO					
Brugge	1	WET acid	1982	---	1982	Baumco (Germany)	80 °C
	2	WET acid + WET basic + FF	1982	---	1997	extension: Fabricom Belgium	120 °C
	3	Wet acid + WET basic + FF + SCR	1982	---	2004	extension: AMECSPIE Belgium	170 °C
Brussel	1	NO INFO					
	2	NO INFO					
	3	NO INFO					
Doel-Beveren	1	FF/SD/WET/SNCR					
	2	FF/SD/WET/SNCR					
	3	FF/SD/WET/SNCR					
Eeklo	1	ESP+SD+FF					175
	2	ESP+SD+FF					175
Gent	1	SD/WET/FF/ESP/SCR			1996/	Seghers Better Tehnology	150
	2	SD/WET/FF/ESP/SCR			1996/	Seghers Better Tehnology	150
Harelbeke	1	NO INFO					
	2	NO INFO					
Herstal	1	SD ESP FF					120
	2	SD ESP FF					120
	3	SD ESP FF					120
	4	SD ESP FF					120
Houthalen	1	SD/ESP/SCR	1994	FLS	2003	ABAY	141°C
	2	SD/ESP/SCR	1994	FLS	2003	ABAY	141°C
Knokke-Heist	1	NO INFO					
	2	NO INFO					
Menen	1	SD				Seghers BT + Research Cottrell	150
	2	SD				Seghers BT + Research Cottrell	150
Oostende	1	SD + FF (1998 - Alstom)	1982	Fläkt		common : SCR 2004 - Fabricom	200
	2	SD + FF (1998 - Alstom)	1982	Fläkt			
Pont-de-Loup	1	NO INFO					
	2	NO INFO					
	3	NO INFO					
Roeselare	1	NO INFO	1998	Cotrell	1986	DRY - ESP - FF - SCR	205
	2	NO INFO	1998	Cotrell	1986	DRY - ESP - FF - SCR	205
St. Niklaas	1	NO INFO					
	2	NO INFO					
Thurmaide	1	Combiné (SD +WET)	1985		1996	NEU PROCESS INTERNATIONAL	63
	2	Combiné (SD + WET)		NON	1996	NEU PROCESS INTERNATIONAL	63
	3	WET Humide sans rejet liquide		NON	2001	CNIM	63

## Belgium

### Technical Information on the Plant

Location	Line No.	Establ. Year	Closure Year	Capac. t/h	Nom CV GJ/t	Furnace		Boiler		Steam Data oC/bar	Hours of Operat.2004
						Type	Supplier	Type	Supplier		
Virginal	1			5			Bartholomé			380/40	
	2			5			Bartholomé			380/40	
Wilrijk (Antwerpen)	1			9	9,5	M	Seghers	S		400/40	8122
	2			9	9,5	M	Seghers	S		400/40	7766

**Belgium****Technical Information on the Plant**

Location	Line No.	Flue Gas Cleaning System	ESP		Flue Gas Cleaning		Flue Gas Temp., °C
			Year	Supplier	Year	Supplier	
Virginal	1	NO INFO					
	2	NO INFO					
Wilrijk (Antwerpen)	1	SD-WET-ESP-SNCR	1999		1999		68
	2	SD-WET-ESP-SNCR	1999		1999		68

**Belgium**  
**Operational data, 2004**

Location	Total Incinerated Waste Quantity							Aux. Fuels
	Total (tonnes)	Household (tonnes)	Commercial /Industrial (tonnes)	RFD, Pellets (tonnes)	Sludge (tonnes)	Hospital Waste (tonnes)	Other (Specify) (tonnes)	O: Oil (l) G: Gas (Nm3) B: Biomass (t) S: Sundry (spec.)
Antwerpen								
Brugge	174733	129933	41277			3523		
Brussel								
Doel-Beveren	397029							O:1197314
Eeklo								
Gent	94383	81576				475	12332	O:153,33 G:4381600
Harelbeke								
Herstal	123787	89645	34142					
Houthalen	69195	65195	2300	0	0	1700	0	O:325598 G:1500000
Knokke-Heist								
Menen								
Oostende	65000	50000	15000	0	0	0	0	
Pont-de-Loup								
Roeselare	56000	45000	11000					
St. Niklaas								
Thurmaide	259614	69386	134910		7352	22157	16728	O:284804
Virginal								
Wilrijk (Antwerpen)	130952	130952	0	0	0	0		

**Belgium**  
**Operational data, 2004**

Location	Residues		Energy Produced			Energy Sold		
	Bottom Ash (tonnes)	Flue Gas Res. (tonnes)	Steam (tonnes)	Electricity (MWh)	Heat (MWh)	Steam (tonnes)	Electricity (MWh)	Heat (MWh)
Antwerpen								
Brugge	26982		439323	27825	326525		5531	27262
Brussel								
Doel-Beveren	110355	13510	1300000	150308		566645	148445	
Eeklo								
Gent	16292	4741						
Harelbeke								
Herstal	17552	6705	462622	83495			62387	
Houthalen	16043	2815		25426	14062		19306	14062
Knokke-Heist								
Menen								
Oostende	13000	2000		27000		0	20000	0
Pont-de-Loup								
Roeselare	8800	2000			125000			28000
St. Niklaas								
Thurmaide	55850	11225		149098			126217	
Virginal								
Wilrijk (Antwerpen)				78504			78504	

