


GAS PROCESSING
Processing and marketable product output at Gas-processing plants of LUKOIL Group

	2004	2005	2006	2007	2008
Processing of petroleum and fat gas, mcm	2,344.7	2,382.6	2,646.7	3,316.9	3,248.6
NGL processing, th. tons	379.0	478.8	628.5	881.7	866.2
<i>Marketable products</i>					
NGL, th. tons	349.8	362.5	427.3	653.4	639.1
LPG, th. tons	482.2	574.5	705.9	960.1	965.3
Stable gas naphta, th. tons	106.9	136.3	185.3	194.6	157.6
Acyclic hydrocarbons, th. tons	–	–	–	4.1	–
Stripped gas, mcm	1,902.8	1,890.1	2,038.3	2,595.2	2,567.9
Isopentane, th. tons	18.2	18.2	18.8	20.9	43.8
Sulfur, th. tons	0.7	0.4	–	–	–
Sodium bisulfite, th. tons	0.0	0.7	0.6	1.2	2.0

Processing and marketable product output at Korobkovsky Gas-processing plant

	2004	2005	2006	2007	2008
Petroleum gas processing, mcm	420.7	428.0	440.6	445.0	459.9
NGL processing, th. tons	38.4	41.7	44.9	59.7	62.8
<i>Marketable products</i>					
LPG, th. tons	72.1	72.5	74.1	86.3	89.4
Stable gas naphta, th. tons	44.2	47.8	48.9	57.3	55.0
Stripped gas, mcm	336.6	333.7	329.9	353.4	382.5

Processing and marketable product output at Permneftegazpererabotka

	2004	2005	2006	2007	2008
Processing of petroleum and fat gas, mcm	478.2	497.6	541.9	586.5	583.6
NGL processing, th. tons	340.6	437.1	583.6	822.0	803.4
<i>Marketable products</i>					
LPG, th. tons	410.0	500.5	629.8	871.4	873.6
Stable gas naphta, th. tons	61.2	79.4	98.5	95.1	59.3
Acyclic hydrocarbons, th. tons	–	–	–	4.1	–
Isopentane, th. tons	18.2	18.2	18.8	20.9	43.8
Stripped gas, mcm	369.8	347.8	374.0	417.2	418.6
Sulfur, th. tons	0.7	0.4	–	–	–
Sodium bisulfite, th. tons	0.0	0.7	0.6	1.2	2.0

Processing and marketable product output at Lokosovsky Gas-processing plant

	2004	2005	2006	2007	2008
Petroleum gas processing, mcm	1,134.7	1,214.5	1,399.2	2,038.1	1,993.9
<i>Marketable products</i>					
NGL, th. tons	349.8	362.5	427.3	653.4	639.1
Stable gas naphta, th. tons	0.0	5.5	34.5	38.9	39.6
LPG, th. tons	0.0	1.1	1.4	1.6	1.7
Stripped gas, mcm	896.4	973.4	1,088.7	1,669.6	1,570.6

Processing and marketable product output at Usinsky Gas-processing plant

	2004	2005	2006	2007	2008
Petroleum gas processing, mcm	311.1	242.5	265.0	247.3	211.2
<i>Marketable products</i>					
Stripped gas, mcm	300.0	235.2	245.7	154.9	196.2
LPG, th. tons	0.1	0.4	0.6	0.8	0.6
Stable gas naphta, th. tons	1.5	3.6	3.4	3.4	3.7


PETROCHEMICALS
Processing and production of petrochemicals at LUKOIL Group petrochemical plants, th. tons

	2004	2005	2006	2007	2008
Processing*	2,442.0	2,355.5	2,187.7	2,190.3	1,568.2
Marketable products, total	2,243.5	2,178.7	2,038.3	2,040.5	1,461.6
Polymers and monomers	858.9	853.8	797.8	844.2	615.0
Polyethylene	442.7	469.9	447.3	477.8	425.5
Vinyl chloride	236.0	190.2	179.2	171.5	70.9
Polypropylene	64.8	67.9	70.2	82.9	67.4
Vinyl acetate	40.9	53.1	35.0	51.3	38.8
Synthetic fiber	31.9	31.8	30.9	25.3	2.8
Synthetic rubber	19.8	19.6	20.2	21.4	5.3
Latex	12.0	12.8	11.8	11.0	2.9
Alfamethylstyrene	2.4	2.7	3.0	2.9	0.7
Styrene	7.9	5.8	0.2	0.1	0.7
Polystyrene	0.5	0.0	0.0	0.0	0.0
Products of organic synthesis	676.7	690.6	647.5	578.3	462.9
Benzene	179.1	173.5	140.6	110.2	114.5
Acrylonitrile	139.5	149.3	138.2	143.2	157.8
Hydrate of sodium	115.9	100.6	91.6	47.0	20.2
Ethylene glycol	71.3	75.8	77.3	83.1	70.2
Ammonia sulphate	63.3	64.5	63.9	62.1	18.7
Phenol	37.5	38.9	38.2	37.7	8.8
Toluene	20.1	29.5	31.4	30.7	26.1
Methyl methacrylate	26.3	26.6	26.5	25.8	7.8
Xylene	11.8	18.1	18.0	18.3	14.3
Ethanol amines	3.9	4.5	13.4	12.7	11.8
Acetone	3.8	4.9	4.2	3.6	1.5
Acetonitrile	4.2	4.4	4.2	3.9	3.6
Sodium cyanide	–	–	–	–	7.6
Pyrolysis products and fuel fractions	692.9	622.8	584.2	611.4	365.8
Liquid pyrolysis fractions	255.6	247.2	210.2	251.6	149.8
Propylene	238.8	238.9	232.5	225.1	157.9
Heavy oil fuel	172.7	119.0	98.1	88.3	53.3
Ethylene	22.9	14.2	40.1	43.7	2.3
Pyrolene	2.9	3.5	3.3	2.7	2.5
Other	15.0	11.5	8.8	6.6	17.9

* Excluding Burgas Refinery.

Processing and production of petrochemicals at Stavrolen, th. tons

	2004	2005	2006	2007	2008
<i>Processing</i>	906.5	1,025.5	889.1	992.1	979.2
<i>Marketable product output</i>	692.4	787.8	672.9	752.9	724.1
Polyethylene	274.3	307.8	267.8	301.6	308.1
Liquid pyrolysis fractions	133.6	154.1	174.4	212.3	139.3
Propylene	128.9	146.9	126.9	121.4	120.1
Polypropylene	–	–	–	19.3	18.6
Benzene	78.2	83.6	36.3	14.0	64.4
Vinyl acetate	40.9	53.1	35.0	51.3	38.8
Heavy oil fuel	36.5	41.2	31.6	31.9	33.6
Other	–	1.1	0.9	1.1	1.2

Production of petrochemicals at Burgas Refinery, th. tons

	2004	2005	2006	2007	2008
<i>Marketable product output</i>	353.4	372.5	384.7	385.0	321.7
Ethylene glycol	71.3	75.8	77.3	83.1	70.2
Polyethylene	70.3	68.2	71.5	74.2	69.0
Polypropylene	64.8	67.9	70.2	63.6	48.8
Benzene	20.0	25.4	31.6	30.9	30.8
Toluene	20.1	29.5	31.4	30.7	26.1
Synthetic rubber	19.8	19.6	20.2	21.4	5.3
Acrylonitrile	20.8	21.0	18.4	20.7	25.1
Xylene	11.8	18.1	18.0	18.3	14.3
Ethanol amines	3.9	4.5	13.4	12.7	11.8
Latex	12.0	12.8	11.8	11.0	2.9
Synthetic fiber	9.6	9.7	10.7	10.0	0.0
Pyrolene	2.9	3.5	3.3	2.7	2.5
Acetonitrile	0.7	0.6	0.7	0.6	0.6
Ethylene oxide	0.7	1.2	0.3	0.0	0.0
Styrene	7.9	5.8	0.2	0.1	0.7
Ethylene	3.3	0.4	0.0	0.0	0.0
Pyrolene	0.5	0.3	0.0	0.0	0.0
Polystyrene	0.5	0.0	0.0	0.0	0.0
Other	12.5	8.2	5.7	5.0	13.6

Processing and production of petrochemicals at Saratovorgsintez, th. tons

	2004	2005	2006	2007	2008
<i>Processing</i>	415.2	436.6	411.8	392.3	287.7
<i>Marketable product output</i>	279.6	292.8	281.2	273.7	186.7
Acrylonitrile	118.7	128.3	119.8	122.5	132.7
Ammonia sulphate	63.3	64.5	63.9	62.1	18.7
Phenol	37.5	38.9	38.2	37.7	8.8
Methyl methacrylate	26.3	26.6	26.5	25.8	7.8
Synthetic fiber	22.3	22.0	20.1	15.3	2.8
Acetone	3.8	4.9	4.2	3.6	1.5
Acetonitrile	3.5	3.8	3.5	3.3	3.0
Alfamethylstyrene	2.4	2.7	3.0	2.9	0.7
Isopropylbenzene	0.0	0.0	0.8	0.0	0.0
Methyl acrylate	0.8	0.8	0.7	0.4	0.0
Acetone cyanohydrate	1.0	0.2	0.4	0.0	3.1
Sodium cyanide	0.0	0.0	0.0	0.0	7.6
Carbon fibre precursor	0.0	0.1	0.1	0.1	0.0

Processing and production of petrochemicals at Karpatneftekhim, th. tons

	2004	2005	2006	2007	2008
<i>Processing</i>	1,120.3	893.4	886.8	805.9	301.3
<i>Marketable product output</i>	918.1	725.6	699.5	628.9	229.1
Vinyl chloride	236.0	190.2	179.2	171.5	70.9
Polyethylene	98.1	93.9	108.0	102.0	48.4
Propylene	109.4	91.7	105.6	103.7	37.8
Hydrate of sodium	115.9	100.6	91.6	47.0	20.2
Benzene	80.9	64.5	72.7	65.3	19.3
Heavy oil fuel	136.2	77.8	66.5	56.4	19.7
Ethylene	19.6	13.8	40.1	43.7	2.3
Liquid pyrolysis fractions	122.0	93.1	35.8	39.3	10.5