


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

	2003	2004	2005	2006	2007
Processing of petroleum and fat gas, mcm	2,167.6	2,344.7	2,382.6	2,646.7	3,316.9
NGL processing, th. tons	360.4	379.0	478.8	628.5	881.7
<i>Marketable products</i>					
NGL	323.4	349.8	362.5	427.3	653.4
LPG, th. tons	450.2	482.2	574.5	705.9	960.1
Stable gas naphta, th. tons	115.1	106.9	136.3	185.3	194.6
Acyclic hydrocarbons, th. tons	–	–	–	–	4.1
Stripped gas, mcm	1,697.9	1,902.8	1,890.1	2,038.3	2,595.2
Isopentane, th. tons	19.3	18.2	18.2	18.8	20.9
Sulfur, th. tons	0.5	0.7	0.4	0.0	0.0
Sodium bisulfite, th. tons	0.0	0.0	0.7	0.6	1.2

Processing and marketable product output at Korobkovsky Gas-processing plant

	2003	2004	2005	2006	2007
Petroleum gas processing, mcm	394.9	420.7	428.0	440.6	445.0
NGL processing, th. tons	38.4	38.4	41.7	44.9	59.7
<i>Marketable products</i>					
LPG, th. tons	73.4	72.1	72.5	74.1	86.3
Stable gas naphta, th. tons	46.4	44.2	47.8	48.9	57.3
Stripped gas, mcm	293.3	336.6	333.7	329.9	353.4

Processing and marketable product output at Usinsky Gas-processing plant

	2003	2004	2005	2006	2007
Including processing*, mcm	318.1	311.1	242.5	265.0	247.3
Stripped gas**, mcm	307.1	300.0	235.2	245.7	154.9
LPG, th. tons	0.0	0.1	0.4	0.6	0.8
Stable gas naphta, th. tons	0.0	1.5	3.6	3.4	3.4

Processing and marketable product output at Lokosovsky Gas-processing plant

	2003	2004	2005	2006	2007
Petroleum gas processing, mcm	1,016.7	1,134.7	1,214.5	1,399.2	2,038.1
NGL, th. tons	323.4	349.8	362.5	427.3	653.4
Stable gas naphta, th. tons	0.0	0.0	5.5	34.5	38.9
LPG, th. tons	0.6	0.0	1.1	1.4	1.6
Stripped gas, mcm	768.6	896.4	973.4	1,088.7	1,669.6

Processing and marketable product output at Permneftegazpererabotka

	2003	2004	2005	2006	2007
Processing of petroleum and fat gas, mcm	437.9	478.2	497.6	541.9	586.5
NGL processing, th. tons	322.0	340.6	437.1	583.6	822.0
<i>Marketable products</i>					
LPG, th. tons	376.2	410.0	500.5	629.8	871.4
Stable gas naphta, th. tons	68.7	61.2	79.4	98.5	95.1
Acyclic hydrocarbons, th. tons	–	–	–	–	4.1
Isopentane, th. tons	19.3	18.2	18.2	18.8	20.9
Stripped gas, mcm	328.9	369.8	347.8	374.0	417.2
Sulfur, th. tons	0.5	0.7	0.4	0.0	0.0
Sodium bisulfite, th. tons	0.0	0.0	0.7	0.6	1.2

* Before 2004 – only compression.

** Before 2004 – compressed.


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

	2003	2004	2005	2006	2007
Processing*	2,262.4	2,442.0	2,355.5	2,187.7	2,190.3
Marketable products, total	2,136.9	2,243.5	2,178.7	2,038.3	2,040.5
Polymers and monomers	797.7	858.9	853.8	797.8	844.2
Polyethylene	427.8	442.7	469.9	447.3	477.8
Vinyl chloride	173.2	236.0	190.2	179.2	171.5
Polypropylene	64.3	64.8	67.9	70.2	82.9
Vinyl acetate	42.5	40.9	53.1	35.0	51.3
Synthetic fiber	32.5	31.9	31.8	30.9	25.3
Synthetic rubber	20.0	19.8	19.6	20.2	21.4
Latex	12.2	12.0	12.8	11.8	11.0
Alfamethylstyrene	2.1	2.4	2.7	3.0	2.9
Styrene	13.8	7.9	5.8	0.2	0.1
Polystyrene	9.3	0.5	0.0	0.0	0.0
Products of organic synthesis	633.6	676.7	690.6	647.5	578.3
Benzene	168.7	179.1	173.5	140.6	110.2
Acrylonitrile	135.8	139.5	149.3	138.2	143.2
Hydrate of sodium	81.6	115.9	100.6	91.6	47.0
Ethylene glycol	69.1	71.3	75.8	77.3	83.1
Ammonia sulphate	60.7	63.3	64.5	63.9	62.1
Phenol	33.3	37.5	38.9	38.2	37.7
Toluene	25.3	20.1	29.5	31.4	30.7
Methyl methacrylate	23.8	26.3	26.6	26.5	25.8
Xylene	14.9	11.8	18.1	18.0	18.3
Ethanol amines	12.8	3.9	4.5	13.4	12.7
Acetone	3.5	3.8	4.9	4.2	3.6
Acetonitrile	4.1	4.2	4.4	4.2	3.9
Pyrolysis products and fuel fractions	687.6	692.9	622.8	584.2	611.4
Liquid pyrolysis fractions	263.3	255.6	247.2	210.2	251.6
Propylene	233.1	238.8	238.9	232.5	225.1
Heavy oil fuel	133.8	172.7	119.0	98.1	88.3
Ethylene	54.9	22.9	14.2	40.1	43.7
Pyrolene	2.5	2.9	3.5	3.3	2.7
Other	18.0	15.0	11.5	8.8	6.6

* Excluding Burgas Refinery.

Processing and production of petrochemicals at Stavrolen, th. tons

	2003	2004	2005	2006	2007
<i>Processing</i>	<i>914.4</i>	<i>906.5</i>	<i>1,025.5</i>	<i>889.1</i>	<i>992.1</i>
<i>Marketable product output</i>	<i>686.6</i>	<i>692.4</i>	<i>787.8</i>	<i>672.9</i>	<i>752.9</i>
Polyethylene	263.9	274.3	307.8	267.8	301.6
Liquid pyrolysis fractions	139.1	133.6	154.1	174.4	212.3
Propylene	129.0	128.9	146.9	126.9	121.4
Polypropylene	–	–	–	–	19.3
Benzene	78.2	78.2	83.6	36.3	14.0
Vinyl acetate	42.5	40.9	53.1	35.0	51.3
Heavy oil fuel	33.9	36.5	41.2	31.6	31.9
Other	–	–	1.1	0.9	1.1

Production of petrochemicals at Burgas Refinery, th. tons

	2003	2004	2005	2006	2007
<i>Marketable product output</i>	373.1	353.4	372.5	384.7	385.0
Ethylene glycol	69.1	71.3	75.8	77.3	83.1
Polyethylene	71.6	70.3	68.2	71.5	74.2
Polypropylene	64.3	64.8	67.9	70.2	63.6
Benzene	10.7	20.0	25.4	31.6	30.9
Toluene	25.3	20.1	29.5	31.4	30.7
Synthetic rubber	20.0	19.8	19.6	20.2	21.4
Acrylonitrile	18.1	20.8	21.0	18.4	20.7
Xylene	14.9	11.8	18.1	18.0	18.3
Ethanol amines	12.8	3.9	4.5	13.4	12.7
Latex	12.2	12.0	12.8	11.8	11.0
Synthetic fiber	11.3	9.6	9.7	10.7	10.0
Pyrolene	2.5	2.9	3.5	3.3	2.7
Acetonitrile	0.5	0.7	0.6	0.7	0.6
Ethylene oxide	0.1	0.7	1.2	0.3	0.0
Styrene	13.8	7.9	5.8	0.2	0.1
Ethylene	2.3	3.3	0.4	0.0	0.0
Pyrolene	0.0	0.5	0.3	0.0	0.0
Polystyrene	9.3	0.5	0.0	0.0	0.0
Other	14.3	12.5	8.2	5.7	5.0

Processing and production of petrochemicals at Saratovorgsintez, th. tons

	2003	2004	2005	2006	2007
<i>Processing</i>	401.6	415.2	436.6	411.8	392.3
<i>Marketable product output</i>	269.5	279.6	292.8	281.2	273.7
Acrylonitrile	117.7	118.7	128.3	119.8	122.5
Ammonia sulphate	60.7	63.3	64.5	63.9	62.1
Phenol	33.3	37.5	38.9	38.2	37.7
Methyl methacrylate	23.8	26.3	26.6	26.5	25.8
Synthetic fiber	21.2	22.3	22.0	20.1	15.3
Acetone	3.5	3.8	4.9	4.2	3.6
Acetonitrile	3.6	3.5	3.8	3.5	3.3
Alfamethylstyrene	2.1	2.4	2.7	3.0	2.9
Isopropylbenzene	0.0	0.0	0.0	0.8	0.0
Methyl acrylate	0.8	0.8	0.8	0.7	0.4
Acetone cyanohydride	2.8	1.0	0.2	0.4	0.0
Carbon fibre precursor	0.0	0.0	0.1	0.1	0.1

Processing and production of petrochemicals at Karpatneftekhim, th. tons

	2003	2004	2005	2006	2007
<i>Processing</i>	946.4	1,120.3	893.4	886.8	805.9
<i>Marketable product output</i>	807.7	918.1	725.6	699.5	628.9
Vinyl chloride	173.2	236.0	190.2	179.2	171.5
Polyethylene	92.3	98.1	93.9	108.0	102.0
Propylene	104.1	109.4	91.7	105.6	103.7
Hydrate of sodium	81.6	115.9	100.6	91.6	47.0
Benzene	79.8	80.9	64.5	72.7	65.3
Heavy oil fuel	99.9	136.2	77.8	66.5	56.4
Ethylene	52.6	19.6	13.8	40.1	43.7
Liquid pyrolysis fractions	124.2	122.0	93.1	35.8	39.3