


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

	2002	2003	2004	2005	2006
Processing of petroleum and fat gas, mcm	2,019.4	2,167.6	2,344.7	2,382.6	2,646.7
NGL processing, th. tons	312.7	360.4	379.0	478.8	628.5
NGL	293.2	323.4	349.8	362.5	427.3
LPG, th. tons	400.4	450.2	482.2	574.5	705.9
Stable gas naphta, th. tons	108.3	115.1	106.9	136.3	185.3
Stripped gas, mcm	1,598.9	1,697.9	1,902.8	1,890.1	2,038.3
Isopentane, th. tons	18.1	19.3	18.2	18.2	18.8
Sulfur, th. tons	0.4	0.5	0.7	0.4	0.0
Sodium bisulfite, th. tons	0.0	0.0	0.0	0.7	0.6

Processing and marketable product output at Korobkovsky Gas-processing plant

	2002	2003	2004	2005	2006
Petroleum gas processing, mcm	390.3	394.9	420.7	428.0	440.6
NGL processing, th. tons	33.0	38.4	38.4	41.7	44.9
LPG, th. tons	73.0	73.4	72.1	72.5	74.1
Stable gas naphta, th. tons	43.6	46.4	44.2	47.8	48.9
Stripped gas, mcm	298.5	293.3	336.6	333.7	329.9

Processing and marketable product output at Usinsky Gas-processing plant

	2002	2003	2004	2005	2006
Including processing*, mcm	321.7	318.1	311.1	242.5	265.0
Stripped gas**, mcm	308.6	307.1	300.0	235.2	245.7
LPG, th. tons	0.0	0.0	0.1	0.4	0.6
Stable gas naphta, th. tons	0.0	0.0	1.5	3.6	3.4

Processing and marketable product output at Lokosovsky Gas-processing plant

	2002	2003	2004	2005	2006
Petroleum gas processing, mcm	895.8	1,016.7	1,134.7	1,214.5	1,399.2
NGL, th. tons	293.2	323.4	349.8	362.5	427.3
Stable gas naphta, th. tons	0.0	0.0	0.0	5.5	34.5
LPG, th. tons	0.6	0.6	0.0	1.1	1.4
Stripped gas, mcm	704.1	768.6	896.4	973.4	1,088.7

Processing and marketable product output at Permneftegazpererabotka

	2002	2003	2004	2005	2006
Processing of petroleum and fat gas, mcm	411.6	437.9	478.2	497.6	541.9
NGL processing, th. tons	279.7	322.0	340.6	437.1	583.6
LPG, th. tons	326.8	376.2	410.0	500.5	629.8
Stable gas naphta, th. tons	64.7	68.7	61.2	79.4	98.5
Isopentane, th. tons	18.1	19.3	18.2	18.2	18.8
Stripped gas, mcm	287.7	328.9	369.8	347.8	374.0
Sulfur, th. tons	0.4	0.5	0.7	0.4	0.0
Sodium bisulfite, th. tons	0.0	0.0	0.0	0.7	0.6

* Before 2004 – only compression.

** Before 2004 – compressed.


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

	2002	2003	2004	2005	2006
Processing*	2,138.0	2,262.4	2,442.0	2,355.5	2,187.7
Marketable products, total	1,969.0	2,136.9	2,243.5	2,178.7	2,038.3
Polymers and monomers	714.8	797.7	858.9	853.8	797.8
Polyethylene	430.9	427.8	442.7	469.9	447.3
Vinyl chloride	120.7	173.2	236.0	190.2	179.2
Polypropylene	56.3	64.3	64.8	67.9	70.2
Vinyl acetate	30.7	42.5	40.9	53.1	35.0
Synthetic fiber	23.1	32.5	31.9	31.8	30.9
Synthetic rubber	17.4	20.0	19.8	19.6	20.2
Latex	12.8	12.2	12.0	12.8	11.8
Alfamethylstyrene	1.8	2.1	2.4	2.7	3.0
Styrene	12.8	13.8	7.9	5.8	0.2
Polystyrene	8.3	9.3	0.5	0.0	0.0
Products of organic synthesis	587.8	633.6	676.7	690.6	647.5
Benzene	157.8	168.7	179.1	173.5	140.6
Acrylonitrile	139.5	135.8	139.5	149.3	138.2
Hydrate of sodium	70.3	81.6	115.9	100.6	91.6
Ethylene glycol	63.1	69.1	71.3	75.8	77.3
Ammonia sulphate	50.3	60.7	63.3	64.5	63.9
Phenol	28.4	33.3	37.5	38.9	38.2
Toluene	26.0	25.3	20.1	29.5	31.4
Methyl methacrylate	20.7	23.8	26.3	26.6	26.5
Xylene	14.6	14.9	11.8	18.1	18.0
Ethanol amines	10.7	12.8	3.9	4.5	13.4
Acetone	2.7	3.5	3.8	4.9	4.2
Acetonitrile	3.7	4.1	4.2	4.4	4.2
Pyrolysis products and fuel fractions	653.6	687.6	692.9	622.8	584.2
Liquid pyrolysis fractions	252.9	263.3	255.6	247.2	210.2
Propylene	220.7	233.1	238.8	238.9	232.5
Heavy oil fuel	127.3	133.8	172.7	119.0	98.1
Ethylene	50.0	54.9	22.9	14.2	40.1
Pyrolene	2.7	2.5	2.9	3.5	3.3
Other	12.8	18.0	15.0	11.5	8.8

* Excluding Burgas Refinery.

Processing and production of petrochemicals at Stavrolen, th. tons

	2002	2003	2004	2005	2006
<i>Processing</i>	<i>889.8</i>	<i>914.4</i>	<i>906.5</i>	<i>1,025.5</i>	<i>889.1</i>
<i>Marketable product output</i>	<i>671.2</i>	<i>686.6</i>	<i>692.4</i>	<i>787.8</i>	<i>672.9</i>
Polyethylene	267.8	263.9	274.3	307.8	267.8
Liquid pyrolysis fractions	135.4	139.1	133.6	154.1	174.4
Propylene	128.7	129.0	128.9	146.9	126.9
Benzene	75.9	78.2	78.2	83.6	36.3
Vinyl acetate	30.7	42.5	40.9	53.1	35.0
Heavy oil fuel	32.7	33.9	36.5	41.2	31.6
Other	–	–	–	1.1	0.9

Production of petrochemicals at Burgas Refinery, th. tons

	2002	2003	2004	2005	2006
<i>Marketable product output</i>	336.8	373.1	353.4	372.5	384.7
Ethylene glycol	63.1	69.1	71.3	75.8	77.3
Polyethylene	64.4	71.6	70.3	68.2	71.5
Polypropylene	56.3	64.3	64.8	67.9	70.2
Benzene	6.2	10.7	20.0	25.4	31.6
Toluene	26.0	25.3	20.1	29.5	31.4
Synthetic rubber	17.4	20.0	19.8	19.6	20.2
Acrylonitrile	17.3	18.1	20.8	21.0	18.4
Xylene	14.6	14.9	11.8	18.1	18.0
Ethanol amines	10.7	12.8	3.9	4.5	13.4
Latex	12.8	12.2	12.0	12.8	11.8
Synthetic fiber	9.6	11.3	9.6	9.7	10.7
Pyrolene	2.7	2.5	2.9	3.5	3.3
Acetonitrile	0.6	0.5	0.7	0.6	0.7
Ethylene oxide	0.1	0.1	0.7	1.2	0.3
Styrene	12.8	13.8	7.9	5.8	0.2
Ethylene	2.5	2.3	3.3	0.4	0.0
Pyrolene	0.0	0.0	0.5	0.3	0.0
Polystyrene	8.3	9.3	0.5	0.0	0.0
Acetone	0.0	0.0	0.0	0.0	0.0
Other	11.4	14.3	12.5	8.2	5.7

Processing and production of petrochemicals at Saratovorgsintez, th. tons

	2002	2003	2004	2005	2006
<i>Processing</i>	373.2	401.6	415.2	436.6	411.8
<i>Marketable product output</i>	244.0	269.5	279.6	292.8	281.2
Acrylonitrile	122.2	117.7	118.7	128.3	119.8
Ammonia sulphate	50.3	60.7	63.3	64.5	63.9
Phenol	28.4	33.3	37.5	38.9	38.2
Methyl methacrylate	20.7	23.8	26.3	26.6	26.5
Synthetic fiber	13.5	21.2	22.3	22.0	20.1
Acetone	2.7	3.5	3.8	4.9	4.2
Acetonitrile	3.1	3.6	3.5	3.8	3.5
Alfamethylstyrene	1.8	2.1	2.4	2.7	3.0
Isopropylbenzene	0.0	0.0	0.0	0.0	0.8
Methyl acrylate	0.8	0.8	0.8	0.8	0.7
Acetone cyanohydride	0.5	2.8	1.0	0.2	0.4
Carbon fibre precursor	0.0	0.0	0.0	0.1	0.1

Processing and production of petrochemicals at Karpatneftekhim, th. tons

	2002	2003	2004	2005	2006
<i>Processing</i>	875.0	946.4	1,120.3	893.4	886.8
<i>Marketable product output</i>	717.0	807.7	918.1	725.6	699.5
Vinyl chloride	120.7	173.2	236.0	190.2	179.2
Polyethylene	98.7	92.3	98.1	93.9	108.0
Propylene	92.0	104.1	109.4	91.7	105.6
Hydrate of sodium	70.3	81.6	115.9	100.6	91.6
Benzene	75.7	79.8	80.9	64.5	72.7
Heavy oil fuel	94.6	99.9	136.2	77.8	66.5
Ethylene	47.5	52.6	19.6	13.8	40.1
Liquid pyrolysis fractions	117.5	124.2	122.0	93.1	35.8