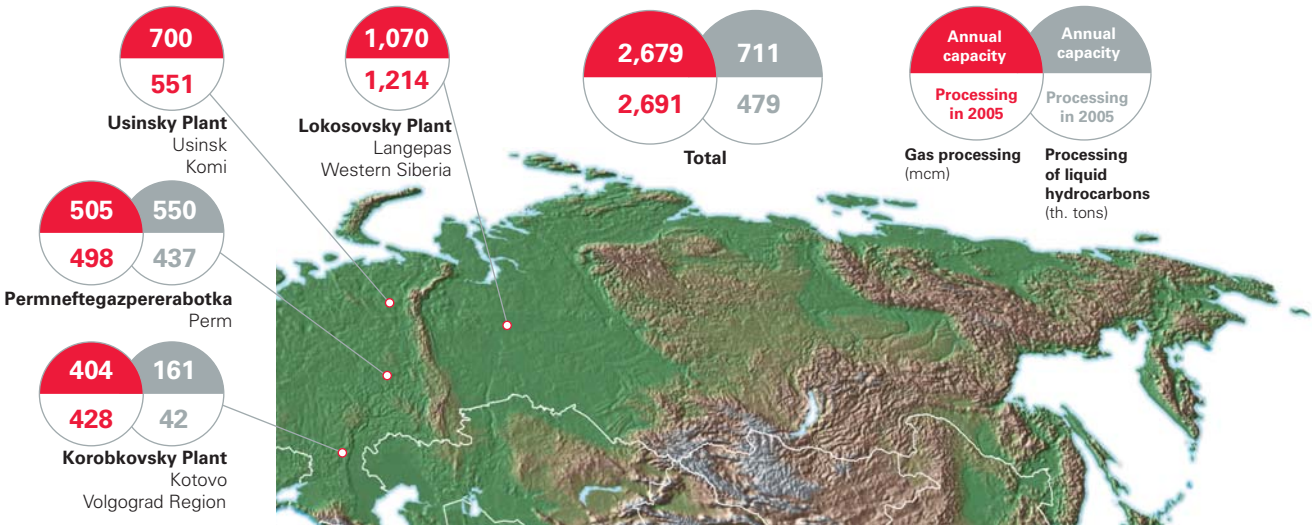
GAS PROCESSING

Gas-processing plants of LUKOIL Group



Processing and marketable product output at Korobkovsky Gas-processing plant

	2001	2002	2003	2004	2005
Petroleum gas processing, mcm	410.1	390.3	394.9	420.7	428.0
NGL processing, th. tons	35.2	33.0	38.4	38.4	41.7
LPG, th. tons	75.0	73.0	73.4	72.1	72.5
Stable gas naphta, th. tons	47.7	43.6	46.4	44.2	47.8
Stripped gas, mcm	310.0	298.5	293.3	336.6	333.7

Processing and marketable product output at Usinsky Gas-processing plant

	2001	2002	2003	2004	2005
Gas treatment, mcm	513.0	464.2	419.1	544.7	550.8
Including processing*, mcm	372.7	321.7	318.1	311.1	242.5
Dry gas, mcm	132.0	137.2	93.5	226.2	301.8
Stripped gas**, mcm	362.5	308.6	307.1	300.0	235.2
LPG, th. tons	0.0	0.0	0.0	0.1	0.4
Stable gas naphta, th. tons	0.0	0.0	0.0	1.5	3.6

Processing and marketable product output at Lokosovsky Gas-processing plant

	2001	2002	2003	2004	2005
Petroleum gas processing, mcm	–	895.8	1,016.7	1,134.7	1,214.5
NGL, th. tons	–	293.2	323.4	349.8	362.5
Stable gas naphta, th. tons	–	0.0	0.0	0.0	5.5
LPG, th. tons	–	0.6	0.6	0.0	1.1
Stripped gas, mcm	–	704.1	768.6	896.4	973.4

Processing and marketable product output at Permneftegazpererabotka

	2001	2002	2003	2004	2005
Gas processing, mcm	407.0	411.6	437.9	478.2	497.6
NGL processing, th. tons	186.1	279.7	322.0	340.6	437.1
LPG, th. tons	249.8	326.8	376.2	410.0	500.5
Stable gas naphta, th. tons	40.2	64.7	68.7	61.2	79.4
Isopentane, th. tons	11.2	18.1	19.3	18.2	18.2
Stripped gas, mcm	320.9	287.7	328.9	369.8	347.8
Sulfur, th. tons	0.6	0.4	0.5	0.7	0.4
Sodium bisulfite, th. tons	0.0	0.0	0.0	0.0	0.7

* Before 2004 – only compression.
** Before 2004 – compressed.

PETROCHEMICALS

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

	2001	2002	2003	2004	2005
Processing*	**1,605.2**	**2,138.0**	**2,262.4**	**2,442.0**	**2,355.5**
Marketable products, total	**1,570.3**	**1,969.0**	**2,136.9**	**2,243.5**	**2,178.7**
Polymers and monomers	***581.3***	***714.8***	***797.7***	***858.9***	***853.8***
Polyethylene	367.0	430.9	427.8	442.7	469.9
Vinyl chloride	70.7	120.7	173.2	236.0	190.2
Polypropylene	61.6	56.3	64.3	64.8	67.9
Vinyl acetate	0.0	30.7	42.5	40.9	53.1
Synthetic fiber	23.3	23.1	32.5	31.9	31.8
Synthetic rubber	20.4	17.4	20.0	19.8	19.6
Latex	13.3	12.8	12.2	12.0	12.8
Styrene	13.2	12.8	13.8	7.9	5.8
Alfamethylstyrene	2.0	1.8	2.1	2.4	2.7
Polystyrene	9.8	8.3	9.3	0.5	0.0
Products of organic synthesis	***503.7***	***587.8***	***633.6***	***676.7***	***690.6***
Benzene	128.4	157.8	168.7	179.1	173.5
Acrylonitrile	100.0	139.5	135.8	139.5	149.3
Hydrate of sodium	24.3	70.3	81.6	115.9	100.6
Ethylene glycol	73.4	63.1	69.1	71.3	75.8
Ammonia sulphate	56.5	50.3	60.7	63.3	64.5
Phenol	33.3	28.4	33.3	37.5	38.9
Toluene	28.6	26.0	25.3	20.1	29.5
Methyl methacrylate	20.6	20.7	23.8	26.3	26.6
Xylene	17.8	14.6	14.9	11.8	18.1
Acetone	7.1	2.7	3.5	3.8	4.9
Acetonitrile	0.8	3.7	4.1	4.2	4.4
Ethanol amines	12.9	10.7	12.8	3.9	4.5
Pyrolysis products and fuel fractions	***469.8***	***653.6***	***687.6***	***692.9***	***622.8***
Liquid pyrolysis fractions	184.6	252.9	263.3	255.6	247.2
Propylene	161.9	220.7	233.1	238.8	238.9
Heavy oil fuel	86.2	127.3	133.8	172.7	119.0
Ethylene	35.3	50.0	54.9	22.9	14.2
Pyrolene	1.8	2.7	2.5	2.9	3.5
Other	***15.5***	***12.8***	***18.0***	***15.0***	***11.5***

* Excluding Burgas refinery.

Processing and production of petrochemicals at Stavrolen, th. tons

	2001	2002	2003	2004	2005
Processing	*788.5*	*889.8*	*914.4*	*906.5*	*1,025.5*
Marketable product output	*581.0*	*671.2*	*686.6*	*692.4*	*787.8*
Polyethylene	245.8	267.8	263.9	274.3	307.8
Liquid pyrolysis fractions	119.5	135.4	139.1	133.6	154.1
Propylene	109.8	128.7	129.0	128.9	146.9
Benzene	70.4	75.9	78.2	78.2	83.6
Vinyl acetate	0.0	30.7	42.5	40.9	53.1
Heavy oil fuel	35.5	32.7	33.9	36.5	41.2
Other	–	–	–	–	1.1

Production of petrochemicals at Burgas Refinery, th. tons

	2001	2002	2003	2004	2005
Marketable product output	*375.4*	*336.8*	*373.1*	*353.4*	*372.5*
Ethylene glycol	73.4	63.1	69.1	71.3	75.8
Polyethylene	68.9	64.4	71.6	70.3	68.2
Polypropylene	61.6	56.3	64.3	64.8	67.9
Toluene	28.6	26.0	25.3	20.1	29.5
Benzene	9.7	6.2	10.7	20.0	25.4
Acrylonitrile	16.6	17.3	18.1	20.8	21.0
Synthetic rubber	20.4	17.4	20.0	19.8	19.6
Xylene	17.8	14.6	14.9	11.8	18.1
Latex	13.3	12.8	12.2	12.0	12.8
Synthetic fiber	11.7	9.6	11.3	9.6	9.7
Styrene	13.2	12.8	13.8	7.9	5.8
Ethanol amines	12.9	10.7	12.8	3.9	4.5
Pyrolene	1.8	2.7	2.5	2.9	3.5
Ethylene oxide	0.9	0.1	0.1	0.7	1.2
Acetonitrile	0.4	0.6	0.5	0.7	0.6
Ethylene	2.9	2.5	2.3	3.3	0.4
Pyrolene	0.0	0.0	0.0	0.5	0.3
Polystyrene	9.8	8.3	9.3	0.5	0.0
Acetone	0.8	0.0	0.0	0.0	0.0
Other	10.7	11.4	14.3	12.5	8.2

Processing and production of petrochemicals at Saratovorgsintez, th. tons

	2001	2002	2003	2004	2005
Processing	*305.2*	*373.2*	*401.6*	*415.2*	*436.6*
Marketable product output	*218.0*	*244.0*	*269.5*	*279.6*	*292.8*
Acrylonitrile	83.4	122.2	117.7	118.7	128.3
Ammonia sulphate	56.5	50.3	60.7	63.3	64.5
Phenol	33.3	28.4	33.3	37.5	38.9
Methyl methacrylate	20.6	20.7	23.8	26.3	26.6
Synthetic fiber	11.6	13.5	21.2	22.3	22.0
Acetone	6.3	2.7	3.5	3.8	4.9
Acetonitrile	0.4	3.1	3.6	3.5	3.8
Alfamethylstyrene	2.0	1.8	2.1	2.4	2.7
Methyl acrylate	1.3	0.8	0.8	0.8	0.8
Acetone cyanohydride	2.6	0.5	2.8	1.0	0.2
Carbon fibre precursor	0.0	0.0	0.0	0.0	0.1

Processing and production of petrochemicals at Karpatneftekhim, th. tons

	2001	2002	2003	2004	2005
Processing	*511.5*	*875.0*	*946.4*	*1,120.3*	*893.4*
Marketable product output	*395.9*	*717.0*	*807.7*	*918.1*	*725.6*
Vinyl chloride	70.7	120.7	173.2	236.0	190.2
Hydrate of sodium	24.3	70.3	81.6	115.9	100.6
Polyethylene	52.3	98.7	92.3	98.1	93.9
Liquid pyrolysis fractions	65.1	117.5	124.2	122.0	93.1
Propylene	52.1	92.0	104.1	109.4	91.7
Benzene	48.3	75.7	79.8	80.9	64.5
Heavy oil fuel	50.7	94.6	99.9	136.2	77.8
Ethylene	32.4	47.5	52.6	19.6	13.8