

## INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014

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Capacities as of Jan. 1, 2014

Company	Location	Total nameplate capacity, tonnes/year	Typical feedstock or feedstock mixture on which listed capacity is based, %					Other
			Ethane	Propane	Butane	Naphtha	Gas oil	
<b>ALGERIA</b>								
Sonatrach	Skikda	133,000						
<b>Total Algeria</b>		<b>133,000</b>						
<b>ARGENTINA</b>								
Dow Chemical Co.	Bahia Blanca (BB1)	275,000	100					
Dow Chemical Co.	Bahia Blanca (BB2)	490,000	100					
Huntsman Corp.	San Lorenzo	21,000			75			
Petrobras Energia	Puerto San Martin	32,500		100				
Petrobras Energia	San Lorenzo	20,000		100				
<b>Total Argentina</b>		<b>838,500</b>						
<b>AUSTRALIA</b>								
Huntsman Chemical Co. Australia Ltd.	Melbourne, Vic.	32,000	100					
Qenos Pty. Ltd.	Altona, Vic.	180,000	80	5	15			
Qenos Pty. Ltd.	Botany, NSW	290,000	80			20		
<b>Total Australia</b>		<b>502,000</b>						
<b>AUSTRIA</b>								
OMV AG	Schwechat	500,000	15		23	62		
<b>Total Austria</b>		<b>500,000</b>						
<b>AZERBAIJAN</b>								
Azerichimia	Sumgait	30,000						
Azerichimia	Sumgait	300,000						
<b>Total Azerbaijan</b>		<b>330,000</b>						
<b>BELARUS</b>								
Production Association Polymir	Novopolotsk	73,000						
Production Association Polymir	Novopolotsk	120,000						
<b>Total Belarus</b>		<b>193,000</b>						
<b>BELGIUM</b>								
BASF Antwerpen NV	Antwerp	1,080,000		6		94		
Benelux FAO	Antwerp	230,000	16	16	18	50		
Benelux FAO	Antwerp	580,000	16	16	18	50		
Benelux FAO	Antwerp	570,000	16	16	18	50		
<b>Total Belgium</b>		<b>2,460,000</b>						
<b>BRAZIL</b>								
Braskem SA	Camacari, Bahia	600,000	5			95		
Braskem SA	Camacari, Bahia	680,000				100		
Copesul	Triunfo, RS	700,000				100		
Copesul	Triunfo, RS	500,000				100		
Petroquimica Uniao SA	Santo Andre, Sao Paulo	500,000				100		
Rio Polimeros	Duque de Caxias	520,000						
<b>Total Brazil</b>		<b>3,500,000</b>						
<b>BULGARIA</b>								
Lukoil Neftochim Bourgas JSC	Bourgas	250,000	3.4		10	86.6		
Lukoil Neftochim Bourgas JSC	Bourgas	150,000				100		
<b>Total Bulgaria</b>		<b>400,000</b>						
<b>CANADA</b>								
Dow Chemical Co.	Ft. Sask., Alta.	1,285,000	100					
Imperial Oil Products & Chemicals	Sarnia, Ont.	300,000	33	33	34			
Nova Chemicals Corp.	Corunna, Ont.	839,002	25	30	20	25		
Nova Chemicals Corp.	Joffre, Alta. (E1)	725,624	100					
Nova Chemicals Corp.	Joffre, Alta. (E2)	816,327	100					
Nova Chemicals Corp.	Joffre, Alta. (E3)	1,269,841	100					
Petromont	Varenes, Que.	295,000		10	25	50	15	
<b>Total Canada</b>		<b>5,530,794</b>						

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Company	Location	Total nameplate capacity, tonnes/year	Typical feedstock or feedstock mixture on which listed capacity is based, %					Other
			Ethane	Propane	Butane	Naphtha	Gas oil	
<b>CHILE</b>								
Petrox SA	Concepcion	45,000	8		16	76		
<b>Total Chile</b>		<b>45,000</b>						
<b>CHINA</b>								
BASF-YPC Co. Ltd.	Nanjing	600,000						
China National Offshore Oil Co.	Daya Bay, Guangdong	950,000						
China National Offshore Oil Co.	Dushanzi	140,000						
China Petrochemical Industrial Corp.	Daqing	320,000						
Dalian Petrochemical Co.	Dalian	4,000						
Fujian Petrochemical Co. Ltd.	Quanzhou	800,000						
Fushun Petrochemical Complex	Fushun	115,000						
Gaoqiao Petrochemical Co.	Gaoqiao	14,000						
Guangzhou Petrochemical Co.	Guangzhou	150,000						
Jilin Chemical Industrial Co. Ltd.	Jilin	700,000						
Lanzhou Chemical Industrial Co.	Lanzhou	600,000						
Norinco/Zhenhua	Panjin	480,000						
Panjin Ethylene Industry Corp.	Panjin	130,000						
Petrochina	Dushanzi	1,000,000						
Petrochina	Liaoning Province	800,000						
Saudi Basic Industries Corp.	Tianjin	1,200,000						
Sinopec	Beijing	660,000				30	70	
Sinopec	Caojing, Shanghai	145,000				30	70	
Sinopec	Caojing, Shanghai	700,000				60	40	
Sinopec	Guangzhou, Guangdong	140,000				100		
Sinopec	Maoming, Guangdong	380,000				100		
Sinopec	Neijing	650,000				60	40	
Sinopec	Puyang, Henan	180,000				100		
Sinopec	Qilu	720,000				80	20	
Sinopec	Tianjin	200,000				100		
Sinopec	Tianjin	1,000,000						
Sinopec	Zhenhai	1,000,000						
<b>Total China</b>		<b>13,778,000</b>						
<b>CHINA, TAIWAN</b>								
Chinese Petroleum Corp.	Kaohsiung Linyuan	422,000	100					
Chinese Petroleum Corp.	Linyuan	230,000	100					
Chinese Petroleum Corp.	Linyuan	419,000	100					
Formosa Petrochemical Corp.	Mailiao	700,000		6.8		93.2		
Formosa Petrochemical Corp.	Mailiao	1,035,000		6.8	0.8	92.4		
Formosa Petrochemical Corp.	Mailiao	1,200,000		0.6	5.8	93.6		
<b>Total China, Taiwan</b>		<b>4,006,000</b>						
<b>COLOMBIA</b>								
Empresa Colombiana de Petroleos	Barrancabermeja	100,000	80	20				
<b>Total Colombia</b>		<b>100,000</b>						
<b>CROATIA</b>								
Polimeri	Zagreb	90,000	100					
<b>Total Croatia</b>		<b>90,000</b>						
<b>CZECH REPUBLIC</b>								
Unipetrol	Litvinov	544,000		2	6	56	1 Hydrowax-40	
<b>Total Czech Republic</b>		<b>544,000</b>						
<b>EGYPT</b>								
Sidi Kerir Petrochemicals Co.	Alexandria	330,000						
<b>Total Egypt</b>		<b>330,000</b>						
<b>FINLAND</b>								
Borealis OY	Porvoo	330,000				100		
<b>Total Finland</b>		<b>330,000</b>						
<b>FRANCE</b>								
A. P. Feyzin	Feyzin	250,000				100		
ExxonMobil Corp.	Notre Dame de Gravenchon	400,000				100		
Naphthachimie	Lavera	740,000			50	50		
Versalis France SAS	Dunkerque	370,000		8	16	76		
Societe du Craqueur de L' Aubette SCA	Berre l'Etang	450,000			12	75	13	

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Company	Location	Total nameplate capacity, tonnes/year	Typical feedstock or feedstock mixture on which listed capacity is based, %					Other
			Ethane	Propane	Butane	Naphtha	Gas oil	
Total Petrochemicals	Carling-St. Avold-Marienu	568,000				100		
Total Petrochemicals	Gonfreville l'Orcher	520,000						
Total Petrochemicals	Lacq (Snea plant)	75,000	100					
<b>Total France</b>		<b>3,373,000</b>						
<b>GERMANY</b>								
Basell Polyfine GMBH	Wesseling	738,000			10	90		
Basell Polyfine GMBH	Wesseling	305,000					100	
BASF AG	Ludwigshafen	620,000		5	5	90		
BP Gelsenkirchen	Gelsenkirchen	576,265		2	12	73	13	
BP Gelsenkirchen	Gelsenkirchen	484,000	1	1	11	64	23	
INEOS	Dormagen	550,000				100		
INEOS	Dormagen	544,000				100		
LyondellBasell	Munchsmunster	320,000	13	17	17	53		
Dow Chemical Co.	Bohlen	560,000			100			
OMV Deutschland GMBH	Burghausen, Bavaria	450,000	2.5	6	6	84	1.5	
Shell & DEA Oil GMBH	Heide	110,000						
Shell & DEA Oil GMBH	Wesseling	500,000						
<b>Total Germany</b>		<b>5,757,265</b>						
<b>GREECE</b>								
EKO Chemicals Co. AE	Thessaloniki	20,000				65	Ref. gas-35	
<b>Total Greece</b>		<b>20,000</b>						
<b>HUNGARY</b>								
Tiszai Vegyi Kombinat Ltd.	Tiszaujvaros	370,000		.01	5	95		
Tiszai Vegyi Kombinat Ltd.	Tiszaujvaros	290,000		14.4	16.4	65.4	3.8	
<b>Total Hungary</b>		<b>660,000</b>						
<b>INDIA</b>								
Gas Authority of India Ltd.	Pata, Uttar Pradesh	300,000						
Haldia Petrochemicals Ltd.	Haldia, West Bengal	520,000				100		
Indian Oil Corp. Ltd.	Haryana, New Delhi	800,000						
Indian Petrochemicals Corp. Ltd.	Baroda, Gujarat	130,000				100		
Indian Petrochemicals Corp. Ltd.	Gandhar, Gujarat	300,000						
Indian Petrochemicals Corp. Ltd.	Nagothane, Maharashtra	400,000		35-50	50-65			
National Organic Chemical Industries Ltd.	Thane, Maharashtra	75,000				100		
Reliance Industries Ltd.	Hazira, Gujarat	790,000				100		
<b>Total India</b>		<b>3,315,000</b>						
<b>INDONESIA</b>								
PT Chandra Asri	Cilegon, West Java	600,000						
<b>Total Indonesia</b>		<b>600,000</b>						
<b>IRAN</b>								
Amir Kabir Petrochemical Co.	Amir Kabir	520,000	24	4	12	58	2	
Arak Petrochemical	Arak	247,000				100		
Arya Sasol Polymer Co.	Assaluyeh Bushehr	1,000,000						
Bandar Imam Petrochemical Co.	Bandar Imam	311,000	20	3	10		67	
Jam Petrochemical Co.	Assaluyeh Bushehr	1,320,000						
Marun Petrochemical Co.	Bandar Assaluyeh	1,200,000						
Tabriz Petrochemical Co.	Tabriz	136,000	4	8	8	80		
<b>Total Iran</b>		<b>4,734,000</b>						
<b>IRAQ</b>								
Present Status Unknown		—						
<b>Total Iraq</b>		—						
<b>ISRAEL</b>								
Carmel Olefins Ltd.	Haifa	200,000		10	10	80		
<b>Total Israel</b>		<b>200,000</b>						
<b>ITALY</b>								
Polimeri Europa	Brindisi	440,000				100		

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			Ethane	Propane	Butane	Naphtha	Gas oil	
Polimeri Europa	Gela	245,000	25	5		70		
Polimeri Europa	Porto Marghera	490,000				100		
Polimeri Europa	Priolo	745,000	2		1	65	32	
Syndial	Porto Torres	250,000				70	30	
<b>Total Italy</b>		<b>2,170,000</b>						
<b>JAPAN</b>								
Asahikasei Chemicals Corp.	Kurasiki, Okayama	484,000				100		
Idemitsu Petrochemical Co. Ltd.	Chiba	374,000			2	98		
Idemitsu Petrochemical Co. Ltd.	Tokuyama	450,000				100		
Keiyo Ethylene	Ichihara, Chiba	768,000						
Maruzen Petrochemicals	Chiba	525,000						
Mitsubishi Chemical Corp.	Kashima (Unit 2)	453,000		10	20	55		NGL-15
Mitsubishi Chemical Corp.	Mizushima	450,000		5	5	80		NGL-10
Mitsui Chemicals Inc.	Ichihara, Chiba	553,000			10	90		
Mitsui Chemicals Inc.	Takaishi City, Osaka	450,000						
Nippon Petrochemical	Kawasaki	450,000						
Showa Denko KK	Oita	600,000				100		
Sumitomo Chemical Co. Ltd.	Chiba	380,000						
Tonen Chemical Corp.	Kawasaki	505,000				100		
Tosoh Corp.	Yokkaichi	493,000				100		
<b>Total Japan</b>		<b>6,935,000</b>						
<b>KAZAKHSTAN</b>								
Akpo	Aktau	100,000						
Government	Atyrau	30,000						
<b>Total Kazakhstan</b>		<b>130,000</b>						
<b>KUWAIT</b>								
Equate Petrochemical Co.	Shuaiba	800,000	100					
Equate Petrochemical Co. (Equate II)	Shuaiba	850,000						
<b>Total Kuwait</b>		<b>1,650,000</b>						
<b>LIBYA</b>								
National Oil Co.	Ras Lanuf	350,000						
<b>Total Libya</b>		<b>350,000</b>						
<b>MALAYSIA</b>								
Ethylene Malaysia Sdn. Bhd.	Kertih	400,000	100					
Optimal Olefins Sdn. Bhd.	Kertih	600,000	100					
Titan Petrochemicals Sdn. Bhd.	Pasir Gudang, Johor	287,000		10	10	80		
Titan Petrochemicals Sdn. Bhd.	Pasir Gudang, Johor	436,000		10	10	80		
<b>Total Malaysia</b>		<b>1,723,000</b>						
<b>MEXICO</b>								
Petroleos Mexicanos	La Cangrejera, Veracruz	600,000	100					
Petroleos Mexicanos	Morelos, Veracruz	600,000	100					
Petroleos Mexicanos	Pajaritos, Veracruz	184,000	100					
<b>Total Mexico</b>		<b>1,384,000</b>						
<b>NETHERLANDS</b>								
Dow Chemical Co.	Terneuzen (No. 1)	580,000		15		85		
Dow Chemical Co.	Terneuzen (No. 2)	585,000		15		85		
Dow Chemical Co.	Terneuzen (No. 3)	635,000				100		
SABIC Europe	Geleen (No. 3)	595,000				100		
SABIC Europe	Geleen (No. 4)	670,000				100		
Shell Nederland Chemie BV	Moerdijk	900,000						
<b>Total Netherlands</b>		<b>3,965,000</b>						
<b>NIGERIA</b>								
Eleme Petrochemical Co. Ltd.	Eleme River	300,000						NGL
<b>Total Nigeria</b>		<b>300,000</b>						
<b>NORTH KOREA</b>								
Namhung Youth Chemical Complex	Anju, South P'yong'an Province	60,000						

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Company	Location	Total nameplate capacity, tonnes/year	Typical feedstock or feedstock mixture on which listed capacity is based, %					Other
			Ethane	Propane	Butane	Naphtha	Gas oil	
<b>Total North Korea</b>		<b>60,000</b>						
<b>NORWAY</b>								
Noretyl AS	Rafnes, Bamble	550,000	30	45	25			
<b>Total Norway</b>		<b>550,000</b>						
<b>POLAND</b>								
PKN Orlen SA	Plock	700,000		5	5	90		
<b>Total Poland</b>		<b>700,000</b>						
<b>PORTUGAL</b>								
Repsol YPF SA	Sines	330,000				100		
<b>Total Portugal</b>		<b>330,000</b>						
<b>QATAR</b>								
Qatar Petrochemical Co.	Mesaieed	720,000	100					
Q-Chem I	Mesaieed	500,000	80	20				
Ras Laffan Olefins Co.	Ras Laffan	1,300,000						
<b>Total Qatar</b>		<b>2,520,000</b>						
<b>ROMANIA</b>								
Petrom SA	Pitesti	200,000	19.5	8.5	23.7	48.4		
Petromidia SA	Navodari	200,000						
Petromidia SA	Constanta	224,000		10.7	5.0	54.7		Kero.-29.6
Petrotel SA	Teleajen	220,000						
<b>Total Romania</b>		<b>844,000</b>						
<b>RUSSIA</b>								
Angarskneftorgsintez	Angarsk, Siberia	60,000			5.2	89.2	5.6	
Angarskneftorgsintez	Angarsk, Siberia	240,000			5.2	89.2	5.6	
Nizhnekamskneftekhim	Nizhnekamsk	450,000						
Norsy		300,000				100		
Omskykauchuyk	Omsk, Siberia	90,000						
Orgsintez	Kazan	140,000						
Orgsintez	Kazan	100,000						
Orgsintez	Kazan	100,000						
Oxosintez	Orsk	45,000						
Polimir		150,000						
Salavatneftorgsintez	Salavat	300,000				100		
Sibur Himprom		30,000						
Sibur-Neftechim	Nizhny Novgorod	300,000			20	80		
Sintezkauchuk		300,000						
Stavropolpolymer	Prikumsk	350,000						
Tomsk PCC	Tomsk	300,000						
Uraorgsintes	Ufa	235,000						
<b>Total Russia</b>		<b>3,490,000</b>						
<b>SAUDI ARABIA</b>								
Al Jubail Petrochemical Co.	Jubail	800,000	50	50				
Arabian Petrochemical Co.	Jubail	800,000				100		
Arabian Petrochemical Co.	Jubail	800,000		50				
Arabian Petrochemical Co.	Jubail	650,000	100					
Chevron Phillips Chemical Co. LP	Jubail	205,000						
Eastern Petrochemical Co.	Jubail	1,300,000						
Jubail United Petrochemical Co.	Jubail	1,000,000						
Saudi Basic Industries Corp.	Yanbu	1,300,000						
Saudi Kayan Petrochemical Co.	Jubail	1,350,000						
Saudi Petrochemical Co.	Jubail	1,045,000	100					
Saudi Polymers	Jubail	1,200,000						
Tasnee	Jubail	1,000,000						
Yanbu Petrochemical Co.	Yanbu	875,000	100					
Yanbu Petrochemical Co.	Yanbu	830,000	16	16	18	50		
<b>Total Saudi Arabia</b>		<b>13,155,000</b>						
<b>SERBIA AND MONTENEGRO</b>								
Chemi Industria	Pancevo	200,000						

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			Ethane	Propane	Butane	Naphtha	Gas oil	
<b>Total Serbia and Montenegro</b>		<b>200,000</b>						
<b>SINGAPORE</b>								
ExxonMobil Chemical Co.	Jurong Island	900,000				33	33	34
ExxonMobil Chemical Co.	Jurong Island	2,600,000						
Petrochemical Corp. of Singapore Pte. Ltd.	Pulau Ayer Merbau	465,000				100		
Petrochemical Corp. of Singapore Pte. Ltd.	Pulau Ayer Merbau	615,000				100		
Shell Eastern Petroleum Ltd.	Bukom Island	800,000						
<b>Total Singapore</b>		<b>5,380,000</b>						
<b>SLOVAKIA</b>								
Slovnaft Petrochemicals	Bratislava	220,000		8.3	13.5	78.2		
<b>Total Slovakia</b>		<b>220,000</b>						
<b>SOUTH AFRICA</b>								
Sasol Polymers	Sasolburg	110,000	80	20				
Sasol Polymers	Secunda	475,000	75	5		20		
<b>Total South Africa</b>		<b>585,000</b>						
<b>SOUTH KOREA</b>								
Honam Petrochemical	Yeochun	700,000				100		
Korea Petrochemical Industries Co. Ltd.	Ulsan	320,000				100		
LG Daesan Petrochemical	Daesan	450,000				100		
LG Petrochemical Co. Ltd.	Yeosu City	760,000				100		
Lotte Daesan Petrochemical	Daesan	600,000				100		
Samsung General Chemicals	Daesan	820,000				100		
SK Corp.	Ulsan	545,000				100		
SK Corp.	Ulsan	185,000				100		
Yeochun	Yeochun	480,000				100		
Yeochun	Yeochun	420,000				100		
Yeochun	Yeochun	350,000				100		
<b>Total South Korea</b>		<b>5,630,000</b>						
<b>SPAIN</b>								
Dow Chemical Co.	Tarragona	580,000				100		
Repsol YPF SA	Puertollano	250,000						Ref. streams
Repsol YPF SA	Tarragona	600,000						
<b>Total Spain</b>		<b>1,430,000</b>						
<b>SWEDEN</b>								
Borealis AB	Stenungsund	625,000	40	20		40		
<b>Total Sweden</b>		<b>625,000</b>						
<b>SWITZERLAND</b>								
Lonza Ltd.	Visp	33,000		30	60	10		
<b>Total Switzerland</b>		<b>33,000</b>						
<b>THAILAND</b>								
Map Ta Phut Olefins Co.	Map Ta Phut, Rayong	900,000						
PTT Chemical	Map Ta Phut, Rayong	437,000	80	6				LPG-14
PTT Chemical	Map Ta Phut, Rayong	385,000	5	18	28	49		
PTT Chemical	Map Ta Phut, Rayong	350,000						
PTT Chemical	Map Ta Phut, Rayong	300,000	100					
Rayong Olefins Ltd.	Map Ta Phut, Rayong	800,000						LPG-60, NGL-40
<b>Total Thailand</b>		<b>3,172,000</b>						
<b>TURKEY</b>								
Petkim Petrochemicals Holding Co.	Aliaga, Izmir	520,000				100		
<b>Total Turkey</b>		<b>520,000</b>						
<b>UKRAINE</b>								
Chlorvinyl Oriana	Kalush	250,000					100	
		180,000						

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			Ethane	Propane	Butane	Naphtha	Gas oil	
TNK-BP	Lisichansk	200,000				100		
<b>Total Ukraine</b>		<b>630,000</b>						
<b>UNITED ARAB EMIRATES</b>								
Borouge Abu Dhabi Polymers Co. Ltd.	Ruwais, Abu Dhabi	600,000	100					
Borouge Abu Dhabi Polymers Co. Ltd.	Ruwais, Abu Dhabi	1,450,000						
<b>Total UAE</b>		<b>2,050,000</b>						
<b>UNITED KINGDOM</b>								
INEOS	Grangemouth	730,000				100		
INEOS	Grangemouth	340,000				100		
ExxonMobil Chemical Co.	Fawley	120,000	9	8	8	25	25	25
ExxonMobil Chemical Co.	Mossmorran Fife	800,000	100					
SABIC Europe	Wilton	865,000		20	10	70		
<b>Total United Kingdom</b>		<b>2,855,000</b>						
<b>UNITED STATES</b>								
BASF Fina Petrochemicals	Port Arthur, Tex.	860,000				100		
Chevron Phillips Chemical Co. LP	Cedar Bayou, Tex.	835,000	30	20	25	25		
Chevron Phillips Chemical Co. LP	Port Arthur, Tex.	855,000	80	15	5			
Chevron Phillips Chemical Co. LP	Sweeny, Tex.	945,000	38	37	25			
Chevron Phillips Chemical Co. LP	Sweeny, Tex.	665,000	75	25				
Chevron Phillips Chemical Co. LP	Sweeny, Tex.	255,000	85	15				
Dow Chemical Co.	Freeport (LHC 7), Tex.	630,000	50	50				
Dow Chemical Co.	Freeport (LHC 8), Tex.	1,010,000	10	20		70		
Dow Chemical Co.	Plaquemine (LHC 2), La.	520,000	75	25				
Dow Chemical Co.	Plaquemine (LHC 3), La.	740,000	70	10	20			
Dow Chemical Co.	Taft 1, La.	590,000	20	40		40		
Dow Chemical Co.	Taft 2, La.	410,000						
DuPont	Orange, Tex.	680,000	100					
Eastman Chemical Co.	Longview, Tex.	781,000	25	67	7	1		
Equistar Chemicals LP (LyondellBasell)	Channelview, Tex.	875,000	5			95		
Equistar Chemicals LP (LyondellBasell)	Channelview, Tex.	875,000	5			95		
Equistar Chemicals LP (LyondellBasell)	Chocolate Bayou, Tex.	544,000			100			
Equistar Chemicals LP (LyondellBasell)	Clinton, Iowa	476,000	80	20				
Equistar Chemicals LP (LyondellBasell)	Corpus Christi, Tex.	771,000	10	30		60		
Equistar Chemicals LP (LyondellBasell)	LaPorte, Tex.	789,000	60	20		20		
Equistar Chemicals LP (LyondellBasell)	Morris, Ill.	550,000	80	20				
ExxonMobil Chemical Co.	Baton Rouge, La.	975,000	9	8	8	25	25	25
ExxonMobil Chemical Co.	Baytown, Tex.	2,197,000	58	8	9	25		
ExxonMobil Chemical Co.	Beaumont, Tex.	816,000	8	8	9	75		
ExxonMobil Chemical Co.	Houston, Tex.	102,000					100	
Flint Hills Corp.	Port Arthur, Tex.	634,921			60			LPG-40
Formosa Plastics Corp. USA	Point Comfort, Tex.	816,000	45	15		40		
Formosa Plastics Corp. USA	Point Comfort, Tex.	725,000	45	15		40		
Huntsman Corp.	Port Neches, Tex.	180,000						
INEOS Olefins and Polymers USA	Chocolate Bayou, Tex.	1,752,000	50	35		15		
Javelina Co.	Corpus Christi, Tex.	151,000						Ref. Gas-100
Sasol North America Inc.	Lake Charles, La.	471,655	100					
Shell Chemicals Ltd.	Deer Park, Tex.	1,179,138						
Shell Chemicals Ltd.	Norco, La.	1,451,247	5			35	60	
Westlake Petrochemicals Corp.	Calvert City, Ky.	204,082		100				
Westlake Petrochemicals Corp.	Sulphur #1, La.	567,000	100					
Westlake Petrochemicals Corp.	Sulphur #2, La.	630,844	70	30				
Williams Olefins	Geismar, La.	612,245	92	8				
<b>Total United States</b>		<b>28,121,132</b>						
<b>UZBEKISTAN</b>								
Uzbekneftegaz	Shurtan	140,000						
<b>Total Uzbekistan</b>		<b>140,000</b>						
<b>VENEZUELA</b>								
Pequiven-Petroquimica de Venezuela SA	El Tablazo, Zulia	250,000	30	70				
Pequiven-Petroquimica de Venezuela SA	El Tablazo, Zulia	350,000	100					
Polimerica	Jose, Anzoategui	1,300,000						
<b>Total Venezuela</b>		<b>1,900,000</b>						
<b>TOTAL WORLD</b>		<b>146,016,691</b>						