

INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014

Leena Koottungal
Survey Editor/News Writer

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	
ALGERIA								
Sonatrach	Skikda	133,000						
Total Algeria		133,000						
ARGENTINA								
Dow Chemical Co.	Bahia Blanca (BB1)	275,000	100					
Dow Chemical Co.	Bahia Blanca (BB2)	490,000	100					
Huntsman Corp.	San Lorenzo	21,000	25	75				
Petrobras Energia	Puerto San Martin	32,500	100					
Petrobras Energia	San Lorenzo	20,000	100					
Total Argentina		838,500						
AUSTRALIA								
Huntsman Chemical Co. Australia Ltd.	Melbourne, Vic.	32,000	100					
Qenos Pty. Ltd.	Altona, Vic.	180,000	805	15				
Qenos Pty. Ltd.	Botany, NSW	290,000	80			20		
Total Australia		502,000						
AUSTRIA								
OMV AG	Schwechat	500,000	15		23	62		
Total Austria		500,000						
AZERBAIJAN								
Azerichimia	Sumgait	30,000						
Azerichimia	Sumgait	300,000						
Total Azerbaijan		330,000						
BELARUS								
Production Association Polymir	Novopolotsk	73,000						
Production Association Polymir	Novopolotsk	120,000						
Total Belarus		193,000						
BELGIUM								
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		
Total Belgium		2,460,000						
BRAZIL								
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						
Total Brazil		3,500,000						
BULGARIA								
Lukoil Neftochim Bourgas JSC	Bourgas	250,000	3.4		10	86.6		
Lukoil Neftochim Bourgas JSC	Bourgas	150,000			100			
Total Bulgaria		400,000						
CANADA								
Dow Chemical Co.	Ft. Sask., Alta.	1,285,000	100					
Imperial Oil Products & Chemicals	Sarnia, Ont.	300,000	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		
Total Canada		5,530,794						

INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014 (CONTINUED)

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	
CHILE								
Petrox SA	Concepcion	45,000	8		16		76	
Total Chile		45,000						
CHINA								
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						
Total China		13,778,000						
CHINA, TAIWAN								
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			
Total China, Taiwan		4,006,000						
COLOMBIA								
Empresa Colombiana de Petroleos	Barrancabermeja	100,000	80	20				
Total Colombia		100,000						
CROATIA								
Polimeri	Zagreb	90,000	100					
Total Croatia		90,000						
CZECH REPUBLIC								
Unipetrol	Litvinov	544,000	2	6	56	1	Hydrowax-40	
Total Czech Republic		544,000						
EGYPT								
Sidi Kerir Petrochemicals Co.	Alexandria	330,000						
Total Egypt		330,000						
FINLAND								
Borealis OY	Porvoo	330,000			100			
Total Finland		330,000						
FRANCE								
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		

INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014 (CONTINUED)

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			100			
Total Petrochemicals	Lacq (Snea plant)	75,000	100					
Total France		3,373,000						
GERMANY								
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	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						
Total Germany		5,757,265						
GREECE								
EKO Chemicals Co. AE	Thessaloniki	20,000			65			Ref. gas-35
Total Greece		20,000						
HUNGARY								
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		
Total Hungary		660,000						
INDIA								
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	35-50	50-65				
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			
Total India		3,315,000						
INDONESIA								
PT Chandra Asri	Cilegon, West Java	600,000						
Total Indonesia		600,000						
IRAN								
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		
Total Iran		4,734,000						
IRAQ								
Present Status Unknown		—						
Total Iraq		—						
ISRAEL								
Carmel Olefins Ltd.	Haifa	200,000	10	10	80			
Total Israel		200,000						
ITALY								
Polimeri Europa	Brindisi	440,000			100			
Polimeri Europa	Gela	245,000	25	5		70		
Polimeri Europa	Porto Marghera	490,000			100			

INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014 (CONTINUED)

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	
Polimeri Europa	Priolo	745,000	2		1	65	32	
Syndial	Porto Torres	250,000			70	30		
Total Italy		2,170,000						
JAPAN								
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			
Total Japan		6,935,000						
KAZAKHSTAN								
Akpo	Aktau	100,000						
Government	Atyrau	30,000						
Total Kazakhstan		130,000						
KUWAIT								
Equate Petrochemical Co.	Shuaiba	800,000	100					
Equate Petrochemical Co. (Equate II)	Shuaiba	850,000						
Total Kuwait		1,650,000						
LIBYA								
National Oil Co.	Ras Lanuf	350,000						
Total Libya		350,000						
MALAYSIA								
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			
Total Malaysia		1,723,000						
MEXICO								
Petroleos Mexicanos	La Cangrejera, Veracruz	600,000	100					
Petroleos Mexicanos	Morelos, Veracruz	600,000	100					
Petroleos Mexicanos	Pajaritos, Veracruz	184,000	100					
Total Mexico		1,384,000						
NETHERLANDS								
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						
Total Netherlands		3,965,000						
NIGERIA								
Eleme Petrochemical Co. Ltd.	Eleme River	300,000						NGL
Total Nigeria		300,000						
NORTH KOREA								
Namhung Youth Chemical Complex	Anju, South P'yong'an Province	60,000						
Total North Korea		60,000						

INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014 (CONTINUED)

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	
NORWAY								
Noretyl AS	Rafnes, Bamble	550,000	30	45	25			
Total Norway		550,000						
POLAND								
PKN Orlen SA	Plock	700,000	5	5	90			
Total Poland		700,000						
PORTUGAL								
Repsol YPF SA	Sines	330,000			100			
Total Portugal		330,000						
QATAR								
Qatar Petrochemical Co.	Mesaieed	720,000	100					
Q-Chem I	Mesaieed	500,000	80	20				
Ras Laffan Olefins Co.	Ras Laffan	1,300,000						
Total Qatar		2,520,000						
ROMANIA								
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						
Total Romania		844,000						
RUSSIA								
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						
Oxosyntez	Orsk	45,000						
Polimir		150,000			100			
Salavatneftorgsintez	Salavat	300,000						
Sibur Himprom		30,000						
Sibur-Neftechim	Nizhny Novgorod	300,000		20	80			
Sintezkauchuk		300,000						
Stavrapolpolymer	Prikumsk	350,000						
Tomsk PCC	Tomsk	300,000						
Uraorgsintes	Ufa	235,000						
Total Russia		3,490,000						
SAUDI ARABIA								
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		
Total Saudi Arabia		13,155,000						
SERBIA AND MONTENEGRO								
Chemi Industria	Pancevo	200,000						
Total Serbia and Montenegro		200,000						

INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014 (CONTINUED)

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	
SINGAPORE								
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						
Total Singapore		5,380,000						
SLOVAKIA								
Slovnaft Petrochemicals	Bratislava	220,000	8.3	13.5	78.2			
Total Slovakia		220,000						
SOUTH AFRICA								
Sasol Polymers	Sasolburg	110,000	80	20				
Sasol Polymers	Secunda	475,000	75	5		20		
Total South Africa		585,000						
SOUTH KOREA								
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			
Yeochon	Yeochun	480,000			100			
Yeochon	Yeochun	420,000			100			
Yeochon	Yeochun	350,000			100			
Total South Korea		5,630,000						
SPAIN								
Dow Chemical Co.	Tarragona	580,000			100			
Repsol YPF SA	Puertollano	250,000						Ref. streams
Repsol YPF SA	Tarragona	600,000						
Total Spain		1,430,000						
SWEDEN								
Borealis AB	Stenungsund	625,000	40	20		40		
Total Sweden		625,000						
SWITZERLAND								
Lonza Ltd.	Visp	33,000	30	60	10			
Total Switzerland		33,000						
THAILAND								
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
Total Thailand		3,172,000						
TURKEY								
Petkim Petrochemicals Holding Co.	Aliaga, Izmir	520,000			100			
Total Turkey		520,000						
UKRAINE								
Chlorvinyl	Kalush	250,000				100		
Oriana		180,000						
TNK-BP	Lisichansk	200,000			100			
Total Ukraine		630,000						

INTERNATIONAL SURVEY OF ETHYLENE FROM STEAM CRACKERS—2014 (CONTINUED)

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	
UNITED ARAB EMIRATES								
Borouge Abu Dhabi Polymers Co. Ltd.	Ruwais, Abu Dhabi	600,000	100					
Borouge Abu Dhabi Polymers Co. Ltd.	Ruwais, Abu Dhabi	1,450,000						
Total UAE		2,050,000						
UNITED KINGDOM								
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.	Mossnorrnan Fife	800,000	100					
SABIC Europe	Wilton	865,000	20	10	70			
Total United Kingdom		2,855,000						
UNITED STATES								
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				
Total United States		28,121,132						
UZBEKISTAN								
Uzbekneftgaz	Shurtan	140,000						
Total Uzbekistan		140,000						
VENEZUELA								
Pequiven-Petroquimica de Venezuela SA	El Tablazo, Zulia	250,000	30	70				
Pequiven-Petroquimica de Venezuela SA Polimerica	El Tablazo, Zulia Jose, Anzoategui	350,000	100					
		1,300,000						
Total Venezuela		1,900,000						
TOTAL WORLD		146,016,691						