

# WORLD SULFUR PRODUCTION

Petroleum derived as of Jan. 1, 2012

Leena Koottungal, Survey Editor/  
News Writer

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
<b>ALBANIA</b>					Hays, Alta.	nat. gas	Claus	9.9	5.1
Albpetrol—Ballshi	ref. gas		60.0	—	Progress, Alta.	nat. gas	Claus	49.5	34.1
<b>ARGENTINA</b>					Anderson Exploration Ltd.—Carstairs, Alta.	nat. gas	Claus	64.8	9.0
Repsol YPF SA—La Plata	ref. gas	Claus	60.0	30.0	Wimborne, Alta.	nat. gas	Mod. Claus	235.0	157.0
Lujan de Cuyo	ref. gas	Claus	60.0	30.0	Apache Canada Ltd.—Zama, Alta.	nat. gas	Claus	30.0	21.0
Shell Cia. Argentina de Petroleo SA—Buenos Aires	ref. gas	Claus	15.0	15.0	Atco Midstream—Brazeau River, Alta.	nat. gas	Claus	300.0	254.9
<b>ARUBA</b>					Carbondale, Alta.	nat. gas	Locat	1.4	1.2
Valero Energy Corp.—San Nicolas	ref. gas	Claus	300.0	275.0	Golden Spike, Alta.	nat. gas	Sulferox	26.2	7.0
<b>AUSTRALIA</b>					Watelet, Alta.	nat. gas	DGA	3.3	2.0
BP PLC (Bulwer)—Bulwer Island	ref. gas		35.0	—	BP PLC—Bigstone, Alta.	nat. gas	2 bed Claus	385.0	385.0
BP PLC (Kwinana)—Kwinana, W.A.	ref. gas	Claus	70.0	16.0	Brazeau River, Alta.	nat. gas	Mod. Claus/ Cold bed absorption	450.0	439.0
Caltex Refineries NSW—Kurnell, N.S.W.	ref. gas	Claus	24.0	15.0	Caroline, Alta.	nat. gas	2 bed Claus	8.6	6.0
ExxonMobil Corp.—Adelaide, S.A.	ref. gas	Claus	31.0	—	Caroline (Garr), Alta.	nat. gas	Recycle	10.4	1.0
Altona, Vic.	ref. gas	Locat	10.0	—	East Crossfield, Alta.	nat. gas	3 bed Claus & CBA	1,797.0	344.0
Shell Refining (Australia) Pty. Ltd.—Clyde, N.S.W.	ref. gas	Claus/DEA	105.0	10.0	Kaybob South, Alta.	nat. gas	3 bed Claus & Sulfreen	1,090.0	341.2
Geelong, Vic.	ref. gas	Claus/Scot	145.0	53.0	Windfall, Alta.	nat. gas	Claus	1,333.0	328.5
<b>AUSTRIA</b>					Bonavista—Carstairs, Alta.	nat. gas	Claus	10.0	6.0
OMV AG—Aderklaa 1	nat. gas	Claus/Scot	40.0	35.0	Burlington Resources—Sturgeon Lake S.	nat. gas	Claus	200.0	185.0
Schwechat	ref. gas	Claus	180.0	105.0	Canadian 88—Garrington, Alta.	nat. gas	Claus	590.4	318.0
<b>BELARUS</b>					Olds, Alta.	nat. gas	Claus	404.0	300.0
	Slavneft—Mozyr	ref. gas		85.0	Canadian Natural Resources Ltd.—Gold Creek, Alta.	nat. gas	Claus	50.0	35.1
<b>BELGIUM</b>					Harmattan, Alta.	nat. gas	Claus	81.5	25.0
Belgian Refining Corp.—Antwerp	ref. gas	Claus	108.0	97.0	Canadian Occidental Petroleum Ltd.—Balzac, Alta.	nat. gas	Claus/Sulfreen	900.0	420.0
ExxonMobil Corp.—Antwerp	ref. gas	Claus/IFP	355.0	355.0	Chariot—Sturgeon Lake South	nat. gas	Claus	35.0	29.4
Fina Raffinaderij Antwerpen—Antwerp	ref. gas	Claus	650.0	347.6	Chevron Canada Ltd.—Burnaby, B.C.	ref. gas	Claus/ SuperClaus	22.0	14.0
Petroplus—Antwerp	ref. gas		30.0	—	Kaybob South, Alta.	nat. gas	Claus	3,500.0	959.2
<b>BRAZIL</b>					Medicine Lodge, Alta.	nat. gas	Mod. Claus	57.0	54.0
Petrobras—Araucaria, Parana	ref. gas	Claus	65.0	45.0	Conoco Corp.—Brazeau River, Peco, Alta.	nat. gas	Claus	110.0	110.0
Betim, MG	ref. gas	Claus	73.0	50.0	Homeglen-Rimbey, Alta.	nat. gas	Claus	127.5	44.0
Canoas, RS	ref. gas	Claus	21.9	18.0	Strachan, Alta.	nat. gas	Mod. Claus/ Cold bed absorption	953.0	453.1
Capuava, Maua, SP	ref. gas	Claus	9.0	—	Consumers Cooperative Refineries Ltd.—Regina, Sask.	ref. gas	Claus/Sulfreen	420.0	405.0
Cubatao, SP	ref. gas	Claus	70.0	—	Devon Energy Corp.—Savannah Creek, Alta.	nat. gas	Claus	500.0	403.0
Duque de Caxias, RJ	ref. gas	Claus	62.0	—	Wimborne, Alta.	nat. gas	Claus	120.0	89.6
Mataripe, Bahia	ref. gas	Claus	72.0	—	DCP Midstream Inc.—Fort Nelson, BC	nat. gas		63.5	63.5
Paulinia, SP	ref. gas	Claus	217.0	—	McMahon, BC	nat. gas		74.6	74.6
Sao Jose Campos, SP	ref. gas	Claus	173.0	30.0	Nevis, Stettler, Alta.	nat. gas	Claus	300.0	92.3
Petroflex SA—Duque de Caxias, RJ	ref. gas	Claus	40.0	35.0	Pine River, BC	nat. gas		333.2	333.2
Rafineria de Petroleo Ipiranga SA—Rio Grande, RS	ref. gas		1,648.0	18.0	Dynergy—Okotoks, Alta.	nat. gas	Claus	577.0	256.0
Rafineria de Petroleo Manguinhos SA—Rio de Janeiro, RJ	ref. gas	Sulferox/ Dow	1.8	0.8	Encana Corp.—Saddle Hills, Alta.	nat. gas	SuperClaus	475.4	324.3
<b>BULGARIA</b>					Sinclair, Alta.	nat. gas	Sulfinol	122.0	86.6
Neftochim—Bourgas	ref. gas		70.0	63.0	Esprit Exploration Ltd.—Garrington, Alta.	nat. gas	Claus	300.0	298.7
<b>CANADA</b>									
AEC—Sinclair, Alta.	nat. gas	Claus	150.0	99.3					
Altagas—Bantry, Alta.	nat. gas	Claus	5.0	0.5					
Rainbow Lake, Alta.	nat. gas	Claus	15.0	11.7					
Anadarko Canadian Corp.—Cyprus, Atla.	nat. gas	Claus	3.3	3.3					

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
ExxonMobil Corp.—Lone Pine	nat. gas	2 Claus/1 SuperClaus	165.0	—	N. Rosevear, Alta.	nat. gas	Claus 3 stage	115.0	60.2
Gibson—Rainbow, Alta.	nat. gas		22.6	6.0	Progress, Glacier, Alta.	nat. gas	Claus	2.5	1.0
Husky Oil Operations Ltd.—Prince George, BC	ref. gas		7.0	—	S. Rosevear, Alta.	nat. gas	Claus 3 stage	171.0	41.6
Rainbow Lake, Alta.	nat. gas	Mod. Claus 2 stage	142.0	2.0	Simonette, Alta.	nat. gas	Claus 3 stage	120.0	22.6
Strachan, Alta.	nat. gas	Claus	4,572.0	1,848.9	Sunoco Inc.—Sarnia, Ont.	ref. gas	Claus	53.4	32.0
Imperial Oil Resources—Bonnie Glen, Alta.	nat. gas	Mod. Claus	34.5	8.4	Syncrude Canada Ltd.—Mildred Lake, Alta.	ref. gas	Mod. Claus/Sulfreen	1,835.0	1,560.0
Dartmouth, NS	ref. gas		53.0	—	Talisman—Edson, Pine Creek, Alta.	nat. gas	Claus	342.6	204.0
Edmonton, Alta.	ref. gas		49	40.0	Teepee, Webster, Alta.	nat. gas	Claus	23.0	12.0
Nanticoke, Ont.	ref. gas		100.0	—	TriLink—Bonanza, Alta.	nat. gas	Claus	3.1	3.1
Quirk Creek, Alta.	nat. gas	Claus/MCRC	301.2	271.6	Taylor NGL LP—Didsbury, AB	nat. gas	Amine, MCRC	80.0	16.0
Redwater, Alta.	nat. gas	Claus	11.0	1.9	Ultramar Ltd.—St. Romuald, Que.	ref. gas	Claus	50.0	22.0
Sarnia, Ont.	ref. gas		172.0	—	<b>CHILE</b>				
Keyspan—Brazeau River, Ferrier, Alta.	nat. gas	Claus	46.5	39.0	Refineria de Petroleo Concon SA—Concon	ref. gas	Claus	30.0	10.0
Homeglen Rimbey	nat. gas	Claus	200.0	35.6	<b>CHINA</b>				
Strachan, Alta.	nat. gas	Claus	200.0	152.1	Petrochina Co. Ltd.—Dianjiang	ref. gas		16.0	—
Mazeppa Processing Partnership—High River, Alta.	nat. gas	Claus/CBA	567.0	250.0	Wepec—Dalian	ref. gas		300.0	—
Mobil Oil Canada Ltd.—Lone Pine Creek South, Alta.	nat. gas	Claus	162.0	95.0	<b>COLOMBIA</b>				
Nexen—Wascana Crossfield	nat. gas	Claus	400.0	330.6	Empresa Colombiana de Petroleos—Barrancabermeja	ref. gas	Claus	80.0	35.0
North Atlantic Refining Ltd.—Come by Chance, Newf.	ref. gas	Claus	200.0	100.0	Barrancabermeja	ref. gas	Mod. Claus	35.0	—
Northstar—Savanna Creek, Alta.	nat. gas	Claus	789.4	789.4	<b>CROATIA</b>				
Novagas Canada Ltd.—Zama, Virgo, Shekille, Alta.	nat. gas	Claus	74.0	45.0	INA Refinery Rijeka—Rijeka	ref. gas	Claus	50.0	20.0
Penn West Energy—Crossfield, Alta.	nat. gas	Claus	300.0	282.3	<b>CYPRUS</b>				
Minnehik—Buck Lake, Alta.	nat. gas	Claus	37.5	8.0	Cypruss Petroleum Refinery Ltd.—LaMaca	ref. gas	Claus	12.0	4.0
Petro-Canada—Banshee, Alta.	nat. gas		1,095.1	703.0	<b>CZECH REPUBLIC</b>				
Boundary Lake, BC	nat. gas		1.4	1.4	Czech Refining Co.—Kralupy	ref. gas	Claus	185.0	112.0
Brazeau, Alta.	nat. gas	3 bed MCRC	447.3	358.8	Litvinov	ref. gas	Claus	24.0	12.0
Edmonton, Alta.	ref. gas	Claus	56.0	—	<b>DENMARK</b>				
Gold Creek, Alta.	nat. gas	Claus 2 stage	97.0	52.0	Dansk Shell AS—Fredericia	ref. gas	Claus/Scot	20.0	11.0
Hanlan, Alta.	nat. gas	Claus	1,000.0	757.3	Kuwait Petroleum Refining AS—Gulfhaven	ref. gas	Claus	48.0	9.3
Mississauga, Ont.	ref. gas	Claus	41.0	—	<b>ECUADOR</b>				
Oakville, Ont.	ref. gas	Claus	44.0	—	Petroecuador—Esmeraldas	ref. gas		62.0	—
Wildcat Hills, Alta.	nat. gas	Claus 2 stage	280.3	171.0	La Libertad	ref. gas		63.0	—
Pioneer—Swalwell, Alta.	nat. gas	Claus	3.2	3.2	<b>EGYPT</b>				
Poco Petroleum—Sturgeon Lake, Alta.	nat. gas	Claus	98.0	64.0	Alexandria Petroleum Co.—Alexandria	ref. gas	Claus	41.0	12.0
Shell Canada Ltd.—Burnt Timber, Alta.	nat. gas	Claus/Super Claus	500.0	326.3	Middle East Oil Refinery—Alexandria	ref. gas	Claus/TGT	290.0	200.0
Caroline, Alta.	nat. gas	2 bed Claus/Scot	5,441.0	4,458.4	Nasr Petroleum—El-Suez	ref. gas	Claus	175.0	—
Cochrane, Alta.	nat. gas	Claus	619.0	389.0	Suez Petroleum Processing Co.—El-Suez	ref. gas	Claus	82.0	12.0
Jumping Pound	nat. gas	Claus	500.0	311.1	<b>FINLAND</b>				
Sarnia, Ont.	ref. gas	2 bed Claus	55.0	—	Fortum Oil and Gas Oy—Naantali	ref. gas	Claus	60.0	53.0
Scotford, Alta.	ref. gas	2 bed Claus	11.0	10.0	Porvoo	ref. gas	Claus	360.0	160.0
Waterton, Alta.	nat. gas	Mod. Claus/Scot	2,660.0	1,439.9	<b>FRANCE</b>				
Solex Gas Processing Corp.—Harmattan-Elkton	nat. gas	Mod. Claus	460.0	18.2	Cie. de Raffinage et de Distribution Total France—Gonfreville l'Orcher	ref. gas	Claus	215.0	—
Sulconam Inc.—Montreal, Que.	ref. gas	Claus 3 stage	300.0	90.0	La Mede	ref. gas	Claus	200.0	—
Suncor Inc.—Fort McMurray	nat. gas	Claus/TGTU	500.0	—	Cie. Rhenane de Raffinage—Reichstett-Vendenheim	ref. gas	Claus	107.0	40.0
Fort McMurray	nat. gas	Claus/TGTU	800.0	—	Elf France—Donges	ref. gas	Claus	210.0	68.1

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
Feyzin	ref. gas	Claus	118.0	53.2	<b>INDONESIA</b>				
Grandpuits	ref. gas	Claus	125.0	31.0	ExxonMobil Corp.—Arun	ref. gas	Claus	230.0	—
Lacq	nat. gas	Claus/Sulfreen	2,121.0	2,183.0	PT Badak NGL—East Kalimantan	nat. gas		61.6	53.3
<b>EXXONMOBIL CORP.—FOS SUR MER</b>					<b>IRAN</b>				
Port Jerome	ref. gas	Claus/Sulfreen	280.0	100.0	National Iranian Gas Co.—Bushehr	nat. gas	Claus	1,390.0	1,360.0
Societe des Petroles Shell—Berre l'Etang	ref. gas	Claus	189.0	78.0	Khoraszan	nat. gas	Claus	1,200.0	752.0
Petit-Couronne	ref. gas	Claus/Scot	165.0	90.0	Khoraszan	nat. gas	Claus	650.0	—
Ste. Raffinerie BP et Elf—Dunkirk	ref. gas	Claus	194.0	178.0	National Iranian Oil Co.—Arak	ref. gas	Claus	60.0	44.0
<b>GERMANY</b>					Bandar Abbas	ref. gas	Claus	130.0	92.0
Bayernoil Raffineriegesellschaft GmbH—Ingolstadt	ref. gas	Claus	30.0		Isfahan	ref. gas	Claus	70.0	73.0
Neustadt	ref. gas	Claus	194.0		Kharg Island	nat. gas	Claus	540.0	495.0
Vohburg	ref. gas	Claus/Sulfreen	72.0		Shiraz	ref. gas	Claus	30.0	5.0
DEA Mineraloel AG—Heide/Grasbrook	ref. gas	Claus	55.0		Tabriz	ref. gas	Claus	80.0	22.0
Wesseling	ref. gas	Claus	220.0	50.0	Tehran	ref. gas	Claus	100.0	23.0
Deutsche BP Aktiengesellschaft Erdol Raffinerie Emsland—Lingen	ref. gas	Claus/Scot/Sulfreen	112.0	50.0	Razi Petrochemical Co.—Bandar Imam	nat. gas	Claus	180.0	127.0
Deutsche Shell AG—Godorf	ref. gas	Claus/Scot	170.0	70.0	<b>IRELAND</b>				
Harburg	ref. gas	Claus/Scot	99.0	33.0	Phillips 66 Co.—Whitegate	ref. gas	Redox	4.0	2.0
ExxonMobil Corp.—Ingolstadt	ref. gas	Claus/Sulfreen	70.0	60.0	<b>ISRAEL</b>				
ExxonMobil Norddeutsche Erdgas Aufbereitung GMBH—Voigtei	nat. gas	Claus	1,050	270	Oil Refineries Ltd.—Ashdod	ref. gas	Claus/SuperClaus	110.0	90.0
Mineraloelraffinerie Oberrhein GMBH & Co. KG—Karlsruhe	ref. gas	Claus/Sulfreen	360.0	—	Haifa	ref. gas	Claus TGT	90.0	74.0
Mitteldeutsche Erdoel-Raffinerie GMBH—Leuna	ref. gas	Claus	410.0	219.0	<b>ITALY</b>				
OMV AG—Burghausen	ref. gas	Claus	34.4	17.0	Agip Plas SPA—Livorno	ref. gas	Claus	60.0	—
PCK Raffinerie GMBH—Schwedt	ref. gas	Claus/Scot	480.0	400.0	Agip Raffinazione SPA—San-nazzarro	ref. gas	Claus	90.0	36.0
Veba Oel/Ruhr Oel—Gelsenkirchen	ref. gas	Claus/Scot/Sulfreen	576.0	180.0	Taranto	ref. gas	Claus	121.0	55.0
Wilhelmshavener Raffinerie GMBH—Wilhelmshaven	ref. gas	Claus	50.0	10.0	API Raffineria di Ancona SPA—Falconara	ref. gas	Claus	120.0	55.2
Wintershall AG—Ruetenbrock	nat. gas	Claus	8.0	4.0	ENI Agip—Vigevano	ref. gas	Claus	30.0	—
<b>GREECE</b>					ExxonMobil Corp.—Augusta, Siracusa	ref. gas	Claus	200.0	—
Hellenic Petroleum—Aspropyrgos	ref. gas	Claus/CBA/Super Claus	240.0	160.0	Iplom SPA—Busalla	ref. gas	Claus	30.0	20.0
Thessaloniki	ref. gas	Claus	40.0	28.0	Isab SPA—Priolo Gargallo	ref. gas	Claus	645.0	315.0
Motor Oil Hellas Corinth Refineries SA—Aghii Theodori	ref. gas	Claus	147.0	80.0	Italiana Energia E Servizi SPA—Mantova	ref. gas		60.0	—
Petrolas Hellas—Elefsis	ref. gas	Claus	26.0	—	Raffineria di Milazzo SPA—Milazzo	ref. gas	Claus/Scot/Comprimo	414.0	310.0
<b>HUNGARY</b>					Raffineria di Roma SPA—Rome	ref. gas	Claus	42.0	17.1
MOL Hungarian Oil & Gas Co.—Szazhalombatta	ref. gas	Claus	226.0	145.0	Saras SPA—Sarroch	ref. gas	Claus	490.0	—
Tiszaujvaros	ref. gas	Claus	21.0	11.0	Sarlux SRL—Sarroch	ref. gas	Claus	280.0	—
<b>INDIA</b>					Sarpom—Trecate	ref. gas	Claus	40.0	45.0
Bharat Petroleum Co. Inc.—Numaligarh, Assam	ref. gas		4.0	—	Tamoi Raffinazione SPA—Cremona	ref. gas	Claus	30.0	14.5
Chennai Refinery—Manali, Madras	ref. gas		17.0	—	<b>JAPAN</b>				
Hindustan Petroleum Corp. Ltd.—Mahul	ref. gas		138.0	—	Cosmo Oil Co. Ltd.—Ichi-hara, Chiba	ref. gas	Parsons/Uhde	450.0	312.0
Visakhapatnam	ref. gas		162.0	—	Sakai, Osaka	ref. gas	Parsons/Pan American	140.0	81.0
Indian Oil Co.—Panipat	ref. gas		84.0	—	Sakaide, Kagawa	ref. gas	Parsons/Uhde	265.0	87.0
Kochi Refineries Ltd.—Kerala	ref. gas		144.0	100.0	Yokkaichi, Mie	ref. gas	Parsons	200.0	118.0
Reliance Petroleum Ltd.—Jamnagar	ref. gas		1,250.0	—	Fuji Oil Co. Ltd.—Sodegaura, Chiba	ref. gas	Comprimo/Parsons	360.0	186.0
					General Sekiyu KK—Sakai, Osaka	ref. gas	Parsons/Claus	353.0	—
					Idemitsu Kosan Co. Ltd.—Chita, Aichi	ref. gas	Uhde	436.0	260.0
					Ichi-hara, Chiba	ref. gas	Uhde/Persons	600.0	360.0
					Tomakomai, Hokkaido	ref. gas	Comprimo/Persons	395.0	240.0

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
Shunan, Yamaguchi	ref. gas	Uhde	195.0	100.0	Cd. Pemex, Tab.	nat. gas	SuperClaus	680.0	598.1
Japan Energy Corp.—Chita, Aichi	ref. gas	Claus	2.0	2.0	Madero, Tam.	ref. gas	Claus	99.5	60.1
Kurashiki, Okayama	ref. gas	Claus	640.0	610.0	Matapionche, Ver.	nat. gas	Claus	54.2	13.6
Kashima Oil Co. Ltd.—Kashima	ref. gas	Parsons	240.0	210.0	Minatitlan, Ver.	ref. gas	Claus	71.2	66.4
Koa Oil Co. Ltd.—Yamaguchi	ref. gas	Comprimo/Parsons	220.0	86.0	Nuevo Pemex, Tab.	nat. gas	SuperClaus	680.0	473.0
Mitsubishi Oil Co. Ltd.—Mizushima	ref. gas		540.0	—	Poza Rica, Ver.	nat. gas	SuperClaus	126.6	19.6
Nihonkai Oil Co. Ltd.—Toyama	ref. gas	Parsons	30.0	27.0	Salamanca, Gto.	ref. gas	Claus	153.4	81.2
Nippon Mitsubishi Petroleum Refining Co. Ltd.—Mizushima, Okayama	ref. gas	Amoco/Parsons	480.0	258.0	Salina Cruz, Oax.	ref. gas	Claus	143.6	136.0
Muroran, Hokkaido	ref. gas	Parsons	350.0	207.0	Tula, Hgo.	ref. gas	Claus	226.0	123.8
Negishi, Kanagawa	ref. gas	Parsons	660.0	329.0	<b>NETHERLANDS</b>				
Onoda, Yamaguchi	ref. gas	Comprimo	225.0	119.0	ExxonMobil Corp.—Rotterdam	ref. gas	Claus/TGC	475.0	485.0
Sendai, Myagi	ref. gas	Parsons/Comprimo	510.0	318.0	Kuwait Petroleum Europort BV—Rotterdam	ref. gas	SuperClaus	171.6	60.0
Takaishi, Osaka	ref. gas	Parsons	100.0	64.0	Nederlandse Aardolie Maat. BV—Emmen	nat. gas	Sulfinol Claus	80.0	20.0
Okinawa Sekiyu Seisei Co. Ltd.—Okinawa	ref. gas	Comprimo	300.0	160.0	Nereco—Europort	nat. gas	Claus	140.0	—
Showa Shell Sekiyu KK—Kawasaki	ref. gas	Claus/Scot	100.0	61.0	Shell Nederland Raffinaderij B.V.—Pernis	ref. gas	Claus/Scot	1,050.0	—
Showa Yokkaichi Sekiyu Co. Ltd.—Yokkaichi	ref. gas	Claus/Scot	640.0	340.0	Total Raffinaderij Nederland NV—Vlissingen	ref. gas	Claus	205.0	—
Toa Oil Co. Ltd.—Kawasaki	ref. gas	Claus	380.0	214.0	<b>NETHERLANDS ANTILLES</b>				
Kawasaki	ref. gas	Claus	380.0	214.0	Refineria Isla Curazao SA—Emmastad	ref. gas	Mod. Claus	520.0	460.0
ExxonMobil Corp.—Chiba	ref. gas		190.0	—	<b>NIGERIA</b>				
Kawasaki	ref. gas	Claus	420.0	—	Kaduna Refinery & Petrochemical—Kaduna	ref. gas	Claus	18.0	5.0
Sakai	ref. gas	Claus	340.0	—	<b>NEW ZEALAND</b>				
Wakayama	ref. gas	Claus	140.0	—	New Zealand Refining Co. Ltd.—Marsden Point	ref. gas	Claus/Scot	159.0	70.0
<b>JORDAN</b>					<b>NORWAY</b>				
Jordan Petroleum Refinery Co. Ltd.—Zerka	ref. gas	Claus	22.0	—	ExxonMobil Corp.—Slagen	ref. gas	Claus	20.0	12.0
<b>KAZAKHSTAN</b>					Norske Shell—Sola	ref. gas	Claus	22.0	6.0
PetroKazakhstan—Shymkent	ref. gas		60.0	—	<b>PHILIPPINES</b>				
Kazakoil—Pavlodar	ref. gas		64.0	—	Caltex (Philippines) Inc.—Batangas	ref. gas	Claus	40.0	25.0
TengizChevroil—Tengiz	nat. gas		4,000.0	—	Petron Corp.—Limay	ref. gas	Claus	71.0	25.0
<b>KUWAIT</b>					Pilipinas Shell Petroleum Corp.—Tabangao	ref. gas	Claus	90.0	61.0
Kuwait National Petroleum Co.—Mina Abdulla	ref. gas	Claus	1,200.0	800.0	<b>POLAND</b>				
Mina Al-Ahmadi	ref. gas-trains 1-4; nat.gas-trains 5-6	Claus	1,616.0	1,152.2	Polish Oil & Gas—Debno	nat. gas		130.0	—
Shuaiba	ref. gas/nat. gas	Mod. claus	1,398.0	497.0	Rafineria Gdanska SA—Gdansk	ref. gas	Claus	24.0	20.0
<b>LIBYA</b>					<b>PORTUGAL</b>				
AGIP Gas BV—Mellitah	nat. gas	Claus	810.0	—	Petroleos de Portugal—Porto Sines	ref. gas	Claus	45.0	—
Libya National Oil Co.—Marsa El Brega	nat. gas	Claus	155.0	47.0	<b>PUERTO RICO</b>				
Zuetina Oil Co.	nat. gas		6,538.5	3,028.2	Caribbean Petroleum Corp.—Bayamon	ref. gas	Claus	34.0	—
<b>LITHUANIA</b>					Shell Chemical Yabucoa Inc.—Yabucoa	ref. gas	Claus	54.0	30.0
JSC Mazeikiu Nafta—Mazeikia	ref. gas		198.0	—	<b>QATAR</b>				
<b>MALAYSIA</b>					National Oil Distribution Co.—Umm Saïd	ref. gas	Claus	260.0	78.0
Petronas—Melaka	ref. gas		200.0	—	Qatar Liquefied Gas Co. Ltd.—Ras Laffah	nat. gas	Claus	1,350.0	400.0
<b>MARTINIQUE</b>					Qatar Petrochemical Co. Ltd.—Mesaïed	nat. gas	Claus/CBA	150.0	112.0
Societe Anonyme de la Raffinerie des Antilles—Fort de France	ref. gas	Sulferox	15.0	10.0	<b>ROMANIA</b>				
<b>MEXICO</b>					Arpechim SA—Pitesti	ref. gas	Claus	21.9	21.9
Petroleos Mexicanos—Cactus, Chis.	nat. gas	SuperClaus	2,000.0	630.0	Petromidia SA—Midia	ref. gas	Claus	87.0	40.0
Cadereyta N.L.	ref. gas	Claus	71.2	35.6	Rafo SA—Onesti	ref. gas		23.0	—

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
<b>RUSSIA</b>									
Astrakhangazprom—Astrakhan	nat. gas	Claus	3,380.0	—	Cartagena	ref. gas	Claus	138.0	133.0
Astrakhan	nat. gas	Claus	240.0	—	La Coruna	ref. gas	Claus	156.0	114.0
Bashneftekhimzavody—Novo-Ufa	ref. gas	Claus	218.0	—	Puertollano	ref. gas	Claus	218.0	214.0
Ufa, former Lenin	ref. gas	Claus	72.0	—	Tarragona	ref. gas	Claus	243.0	63.0
Salavatnefteorgsintez—Salavat	ref. gas	Claus	290.0	—	<b>SWEDEN</b>				
Sidanco—Saratov	ref. gas	Claus	30.0	—	AB Nynas Petroleum—Nynashamn	ref. gas	Claus/Clin-sulf	22.0	22.0
Surgutneftegaz—Kirishi	ref. gas	Claus	45.0	—	Preemraff Goteborg—Goteborg	ref. gas	SRU/TGTU	123.0	10.1
Yukos—Achinsk	ref. gas	Claus	21.0	—	Preemraff Lysekil—Lysekil	ref. gas	Claus/TGT	200.0	156.0
<b>SAUDI ARABIA</b>					Shell Raffinaderi AB—Goteborg	ref. gas	Claus/Scot	33.0	12.0
Saudi Aramco—Berri	nat. gas	Claus	3,300.0	1,400.0	<b>SWITZERLAND</b>				
Haradh	nat. gas	Claus	90.0	—	Petroplus—Cressier	ref. gas	Claus/Scot	35.0	18.0
Hawiyah	nat. gas	Claus	1,380.0	—	Tamoil SA—Collombey	ref. gas	Claus	26.0	25.0
Jeddah	ref. gas	Claus	94.0	66.0	<b>SYRIA</b>				
Ju'aymah	nat. gas	Claus	1,625.0	1,375.0	Banias Refinery Co.—Banias	ref. gas	Claus	120.0	60.0
Rabigh	ref. gas	Claus	120.0	50.0	Homs Refinery Co.—Homs	ref. gas	Claus	180.0	30.3
Ras Tanura	ref. gas	Claus	280.0	200.0	<b>TAIWAN</b>				
Riyadh	ref. gas	Claus	297.0	208.0	Chinese Petroleum Corp.—Kaohsiung	ref. gas	Claus	900.0	900.0
Shedgum	nat. gas	Claus	1,940.0	1,600.0	Lin-Yuan	ref. gas	Claus	15.0	15.0
Uthmaniyah	nat. gas	Claus	1,620.0	1,200.0	Ta-Lin	ref. gas	Claus	250.0	250.0
Saudi Aramco-Mobil—Yanbu	ref. gas	Claus	300.0	200.0	Tao-Yuan	ref. gas	Claus	595.0	595.0
Petromin-Shell—Al Jubail	ref. gas	Claus	410.0	265.0	<b>THAILAND</b>				
<b>SERBIA AND MONTENEGRO</b>					Eso Sriracha Co. Ltd.—Sriracha	ref. gas	Claus	160.0	—
Raffinerija Nafta Pancevo—Pancevo	ref. gas		59.0	—	Thai Oil Co. Ltd.—Chonburi	ref. gas	Claus/SuperClaus	388.6	139.4
<b>SINGAPORE</b>					<b>TRINIDAD</b>				
ExxonMobil Corp.—Jurong	ref. gas	Mod. Claus	545.0	—	Petrotrin—Pointe-a-Pierre	ref. gas	Claus	180.0	60.0
Shell Eastern Petroleum Pte. Ltd.—Pulau Bukom	ref. gas	SuperClaus	345.0	280.0	<b>TURKEY</b>				
Singapore Petroleum Co. Ltd.—Pulau Merlimau	ref. gas	Claus/SuperClaus	376.5	229.0	Turkish Petroleum Refineries Corp.—Izmir	ref. gas	Claus	113.0	52.0
<b>SLOVAKIA</b>					Izmit	ref. gas	Claus	137.0	66.0
Slovnaft Joint Stock Co.—Bratislava	ref. gas	Claus	74.0	51.0	Kirikkkale	ref. gas	Claus	83.0	31.0
<b>SOUTH AFRICA</b>					<b>UKRAINE</b>				
Caltex Oil SA Pty. Ltd.—Cape Town	ref. gas	Claus	82.0	35.0	TNK-Ukratnafta—Kremen-chug	ref. gas		90.0	—
Engen Petroleum Ltd.—Durban	ref. gas	Claus/SuperClaus	130.0	70.0	Lisichansk	ref. gas		90.0	—
National Petroleum Refiners of South Africa Pty. Ltd.—Sasolburg	ref. gas	Claus	120.0	57.6	<b>UNITED ARAB EMIRATES</b>				
Sasol Synthetic Fuels Pty. Ltd.—Secunda	ref. gas		493.0	323.0	Abu Dhabi Gas Liquefaction Co. Ltd.—Das Island	nat. gas	Claus	1,100.0	890.0
South African Petroleum Refineries—Durban	ref. gas	Claus	172.0	140.0	Abu Dhabi National Oil Co.—Habshan	nat. gas	Claus/CBA	2,105.0	2,010.0
<b>SOUTH KOREA</b>					Ruwais	ref. gas	Claus	84.0	65.0
Hyundai Oil Refinery Co.—Daesan	ref. gas		180.0	—	Umm Al-Nar	ref. gas	Claus	35.0	20.0
Inchon	ref. gas		126.0	—	Bahrain Petroleum Co. BSC—Sitra	ref. gas	Claus	170.0	182.0
LG-Caltex Oil Corp.—Yosu	ref. gas	SRU	330.0	200.0	Enoc Condensate Processing Ltd.—Jebel Ali Free Zone	nat. gas	Claus	10.0	6.0
Ssangyong Oil Refining Co. Ltd.—Onsan	ref. gas	Claus	900.0	—	Sharjah Oil Refining Co. Ltd.—Hamriyah	ref. gas	Claus	16.0	5.0
SK Corp.—Ulsan	ref. gas		1,195.0	—	<b>UNITED KINGDOM</b>				
<b>SPAIN</b>					BP PLC Refinery Grangemouth Ltd.—Grangemouth, Scot.	ref. gas	Claus	50.0	17.0
Compania Espanola de Petroles—Cadiz	ref. gas	Claus	146.0	100.2	BP PLC Oil UK Ltd.—Coryton, Essex, Eng.	ref. gas	Claus	200.0	50.0
Huelva	ref. gas	Claus	115.0	—	Chevron Corp.—Pembroke, Wales	ref. gas	Claus	160.0	60.0
Tenerife	ref. gas	Claus	45.0	18.0	Conoco Ltd.—South Killingholme, Eng.	ref. gas	Claus/SuperClaus	140.0	60.0
Petronor SA—Muskiz	ref. gas	Claus	358.0	—					
Repsol YPF SA—Bilbao	nat. gas	Claus	100.0	—					

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Elf Oil UK Ltd.—Milford Haven, Wales	ref. gas	Claus	22.0	14.0
ExxonMobil Corp.—Fawley, Eng.	ref. gas	Claus	270.0	87.0
Lindsey Oil & Refining Ltd.—Killingholme South Humber-side, Eng.	ref. gas	Claus	130.0	32.6
Mobil Llandarcy Refinery—Llandarcy, Wales	ref. gas		45.0	—
Pembroke Cracking Co.—Milford Haven, Wales	ref. gas	Claus	160.0	60.0
Petroplus International NV—Teeside, Eng.	ref. gas	Sulferox	4.4	3.0
Shell UK Ltd.—Stanlow, Eng.	ref. gas	Claus	210.0	71.0
<b>UNITED STATES</b>				
Alon USA—Big Spring, Tex.	ref. gas	Claus	133.1	104.0
Altura Energy Ltd.—Hockley County, Tex.	nat. gas	2 bed Claus	45.0	27.0
Anadarko Petroleum—Bethel, Tex.	nat. gas	Claus	65.0	12.4
Arco Permian—Yoakum Co., Tex.	nat. gas		—	2.0
Ashland Exploration—Martha, Ky.	sour gas	Mod. Claus	2.6	1.4
Aux Sable Liquid Products LP—Aux Sable, Ill.	nat. gas	Claus	—	—
Bayou South—Quitman, Tex.			—	—
Bear Paw Energy Inc.—Lignite, ND	nat. gas	Claus	15.0	4.4
McKenzie Co., ND	nat. gas	Claus	120.0	49.0
Big West Oil LLC—Salt Lake City, Utah	ref. gas	Claus	4.0	2.0
BP PLC—Andrews County, Tex.	nat. gas	2 bed Claus/CBA	22.0	17.9
Carson, Calif.	ref. gas	Claus	350.0	380.0
Ector County, Tex.	nat. gas	2 bed Claus	30.0	28.4
Eddy County, NM	nat. gas	2 bed Claus	36.0	13.5
Ferndale, Wash.	ref. gas	Claus	215.0	211.0
Mandan, ND	ref. gas	Claus	15.0	6.0
Natrona Co., Wyo.	nat. gas	Locat	1.0	1.0
Park County, Wyo.	nat. gas	2 bed Claus	62.0	25.0
Salt Lake City, Utah	ref. gas	Claus	13.5	5.0
Sweetwater Co., Wyo.	nat. gas	Locat	4.0	2.7
Texas City, Tex.	ref. gas	Claus	1,123.0	886.0
Toledo, Ohio	ref. gas	Claus/Scot	314.0	—
Uinta County, Wyo.	nat. gas	2 bed Claus/CBA	1,200.0	580.1
Whiting, Ind.	ref. gas	Claus	486.0	449.0
Yoakum County, Tex.	nat. gas	Locat	8.0	6.5
Burlington Resources—Lost Cabin, Wyo.	nat. gas	Claus	512.0	200.0
Calumet Lubricants Co. LP—Princeton, La.	ref. gas	Claus	3.0	1.5
Shreveport, La.	ref. gas	CBA	20.0	15.0
Cenex Inc.—Laurel, Mont.	ref. gas	Claus	100.0	48.2
Chevron Corp.—Churchula, Ala.	nat. gas	Claus	20.0	1.0
Creola, Ala.	nat. gas	Claus	20.0	1.0
Carter Creek, Wyo.	nat. gas	Claus/Stretford	1,057.0	712.0
El Segundo, Calif.	ref. gas	Claus/Wellman/Lord	432.0	—
Evanston, Wyo.	nat. gas	Mod. claus	934.0	355.0
Franklin County, Tex.	nat. gas	Claus	219.0	50.0
Gaviota, Calif.	nat. gas	Selectox/Claus	18.3	6.6

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Pascagoula, Miss.	ref. gas	Claus/Stretford	1,179.0	—
Richmond, Calif.	ref. gas	Claus/Wellman/Lord	406.0	—
Salt Lake City, Utah	ref. gas	Claus	19.0	—
Citgo Petroleum Corp.—Corpus Christi, Tex.	ref. gas	Claus/Scot/TGT	313.0	273.0
Lake Charles, La.	ref. gas	Claus/Scot/TGT	685.0	585.0
Lemont, Ill.	ref. gas	Claus/Stretford	382.0	316.0
Coastal Eagle Point Oil Co.—Westville, N.J.	ref. gas	Claus	20.0	17.0
Coastal Refining & Marketing Inc.—Corpus Christi, Tex.	ref. gas	Claus	280.0	220.0
Coffeyville Resources Refining & Marketing LLC—Coffeyville, Ks.	ref. gas	Claus	35.5	20.2
Coffeyville, Ks.	ref. gas	Claus	50.8	20.2
Coffeyville, Ks.	ref. gas	Claus	50.8	43.2
Collet Ventures Inc.—Chatom, Ala.	sour gas	Claus	140.0	70.0
ConocoPhillips—Berger, Tex.	ref. gas	Claus/Scot	345.0	220.0
Chatom, Ala.	nat. gas	Claus	193.0	—
Ponca City, Okla.	ref. gas	Claus	78.0	39.0
Sweeny, Tex.	ref. gas	Claus/Scot	362.0	300.0
Westlake, La.	ref. gas	Claus/TGT	363.0	257.0
Woods Cross, Utah	ref. gas	Claus	10.0	4.0
Crown Central Petroleum Corp.—Pasadena, Tex.	ref. gas	Claus/Scot	25.0	18.0
DCP Midstream Inc.—Artesia, NM	nat. gas	Claus	16.0	14.2
Artesia, NM	nat. gas	Claus/Superclaus	10.0	10.0
Artesia, NM	nat. gas	Mod. Claus	55.9	7.0
Eddy, NM	nat. gas	3 bed Claus	10.0	1.0
Eunice, NM	nat. gas	Claus	64.0	28.3
Fullerton, Tex.	nat. gas	3 bed Claus	60.9	33.9
Goldsmith, Tex.	nat. gas	3 bed Claus	111.8	74.2
Hobbs, NM	nat. gas	Claus	24.0	23.0
Linam Ranch, NM	nat. gas	Claus	50.0	39.2
Oil Center, NM	nat. gas	Claus	27.0	26.0
Dynegy—Eunice, NM	nat. gas	Selectox	13.6	11.8
Fashioning, Atascosa Co., Tex.	nat. gas	Mod. Claus	35.0	24.0
Monument, NM	nat. gas	Claus	29.0	20.0
Sand Hills, Crane County, Tex.	nat. gas	Mod. Claus	45.4	36.3
Saunders Plant, NM	nat. gas	Selectox	14.1	5.9
El Paso Natural Gas Co.—San Juan County, NM	nat. gas	Mod. Claus	53.0	—
Enbridge Energy Partners—Texarkana, Ark.	nat. gas	Claus	16.0	—
Birthright, Hopkins Co., Tex.	nat. gas	Mod. Claus	30.0	—
Bryan's Mill, Cass Co., Tex.	nat. gas	Claus	100.0	29.0
Eustace, Myrtle Springs, Tex.	nat. gas	Claus	812.0	361.0
Gilmer, Tex.	nat. gas	Claus	100.0	58.0
Harmony, Pachuta, Miss.	nat. gas	Claus	10.0	8.0
Indian Rock, Upshur Co., Tex.	nat. gas	Claus	20.0	5.0
Pittsburgh, Camp Co., Tex.	nat. gas	Claus	75.0	65.0
Plum Creek, Freestone Co., Tex.	nat. gas	Claus	15.0	—
Teague, Tex.	nat. gas	Claus	20.0	9.0
Tilden, No 1 & 2, Tex.	nat. gas	Claus	90.0	24.0

Company and location	Source	Type of process	— Tonnes per day —		Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production				Design capacity	Production
Ergon Refining Inc.—Newell, W. Va.	ref. gas	Sulferox	1.0	1.0	Port Arthur, Tex.	ref. gas	Claus	742.0	660.0
Vicksburg, Miss.	ref. gas		27.0	15.0	Murphy Oil USA Inc.—Meraux, La.	ref. gas	Claus	120.0	72.0
ExxonMobil Corp.—Baton Rouge, La.	ref. gas	3 reactor Claus	690.0	—	Superior, Wis.	ref. gas	Claus	30.0	13.0
Baytown, Tex.	ref. gas	Claus	1,550.0	—	National Cooperative Refinery Association—McPherson, Kan.	ref. gas		81.0	81.0
Beaumont, Tex.	ref. gas	3 reactor Claus	560.0	—	Navajo Refining Co.—Artesia, NM	ref. gas		30.0	—
Chalmette, La.	ref. gas	Claus	870.0	—	Orion Refining Corp.—Norco, La.	ref. gas		290.0	100.0
Joliet, Ill.	ref. gas	3 reactor Claus	580.0	—	Oxy USA—Escambia Co., Ala.	nat. gas	3 reactor Claus	500.0	—
Mobile Co., Ala.	nat. gas	3 reactor Claus	275.0	—	Paramount Petroleum Corp.—Paramount, Calif.	ref. gas	Claus	40.0	10.0
Santa Barbara, Calif.	nat. gas	3 reactor Claus	88.0	—	Pasadena Refining System Inc.—Pasadena, Tex.	ref. gas	Claus	25.0	17.4
Santa Rosa Co., Fla.	nat. gas	3 reactor Claus	200.0	—	Petro-Hunt—Little Knife, Dunn Co., ND	nat. gas	Claus	125.0	—
Torrance, Calif.	ref. gas	6 reactor Claus	380.0	—	Placid Refining Co.—Port Allen, La.	ref. gas	Claus	28.0	18.0
Farmland Industries Inc.—Coffeyville, Kan.	ref. gas	Claus	137.1	83.6	Port Arthur Coker Company—Port Arthur, Tex.	ref. gas	Claus/Scot	942.0	848.0
Frontier Oil & Refining Co.—Cheyenne, Wyo.	ref. gas	Claus	115.0	85.0	Premcor—Delaware City, Del.	ref. gas	Claus	579.0	399.0
El Dorado, Kan.	ref. gas	Claus	250.0	190.0	Pursue Energy Corp.—Thomasville, Miss.	nat. gas	Claus	1,245.0	—
Giant Refining Co.—Bloomfield, NM	ref. gas	Sulferox	1.5	0.9	San Joaquin Refining Co. Inc.—Bakersfield, Calif.	ref. gas	Claus	3.0	2.8
Hess Corp.—Seminole, Tex.	nat. gas	Claus	81.3	48.6	Shell Deer Park Refining Co.—Deer Park, Tex.	ref. gas	Claus	1,085.0	800.0
Tioga, ND	nat. gas	Claus	228.6	69.4	Shell Norco Refining Co.—Norco, La.	ref. gas	Claus	140.0	—
Hunt Refining Co.—Tuscaloosa, Ala.	ref. gas	Claus/O2 enrichment	100.0	60.0	Shell Oil Products Co.—Anacortes, Wash.	ref. gas	Claus	150.0	150.0
	ref. gas	Claus/O2 enrichment	100.0	60.0	Bakersfield, Calif.	ref. gas	Claus	103.0	—
Inland Resources—Woods Cross, Utah	ref. gas		1.4	0.7	Carson, Calif.	ref. gas	Claus	285.0	—
Kern Oil & Refining Co.—Bakersfield, Calif.	ref. gas	Sulferox	4.5	3.5	Denver Unit, Tex.	nat. gas	Claus	4.0	—
Koch Sulfur Products Co.—Corpus Christi, Tex.	ref. gas	Claus/Scot	235.0	45.0	Goodwater, Miss.	nat. gas	Claus	50.0	—
Pine Bend, Minn.	ref. gas	Claus	800.0	550.0	Manistee Co., Mich.	nat. gas	Claus	25.0	—
Sidney, Mont.	nat. gas	Claus	181.0	40.0	Martinez, Calif.	ref. gas	Claus/Stretford	432.0	—
LaGloria Oil & Gas Co.—Tyler, Tex.	ref. gas	Claus/SuperClaus	16.9	13.0	Mobile Co., Ala.	nat. gas	Claus	60.0	—
Lion Oil Co.—El Dorado, Ark.	ref. gas	Claus	157.0	61.0	Saraland, Ala.	ref. gas	Claus/Scot	20.0	7.0
Lyondell-Citgo Refining Co. Ltd.—Houston, Tex.	ref. gas	Mod. Claus/TGT	1,042.0	586.7	Wilmington, Calif.	ref. gas	Claus	245.0	245.0
Marathon Petroleum Co. LLC—Canton, Ohio	ref. gas	Claus/TGT	112.0	35.0	Sinclair Oil Corp.—Casper, Wyo.	ref. gas	Claus	20.0	5.6
Catlettsburg, Ky.	ref. gas	Claus/TGT	406.0	181.0	Tulsa, Okla.	ref. gas		19.0	—
Detroit, Mich.	ref. gas	Claus/TGT	132.0	70.0	Snyder Oil—Fremont County, Wyo.	nat. gas	2 bed Claus	25.0	16.0
Garyville, La.	ref. gas	Claus/TGT	1,143.0	1,066.0	Southern Union Gas Services—Barstow, Tex.	nat. gas	Claus	18.0	1.2
Robinson, Ill.	ref. gas	Claus/TGT	183.0	133.0	Coyanosa, Tex.	nat. gas	Claus	20.0	4.9
St. Paul Park, Minn.	ref. gas	Claus/TGT	111.0	40.0	Jal, NM	nat. gas	Claus	20.0	17.0
Texas City, Tex.	ref. gas	Claus	36.0	10.0	Kermit, Tex.	nat. gas	Selectox	20.0	9.6
Marathon Oil Co.—Artesia, NM	nat. gas	3 bed Claus	22.7	24.4	Suncor Energy—Commerce City, Colo.	ref. gas	Mod. Claus	90.0	60.0
Cody, Wyo.	nat. gas	3 bed Claus	4.7	5.4	Sunoco Inc.—Philadelphia, Pa.	ref. gas	Claus	270.0	36.0
Jonesville, Mich.	nat. gas	Locat	0.3	0.2	Toledo, Ohio	ref. gas	Claus	55.1	53.6
Midgard Energy Co.—Sunray, Tex.	nat. gas	Claus/SuperClaus	14.0	8.0	Tesoro Alaska Petroleum Corp.—Kenai, Alas.	ref. gas		20.0	—
Mobil Exploration & Producing—Mobile, Ala.	nat. gas	Claus/Scot	470.0	246.4	Tesoro Hawaii Petroleum Co.—Kapolei, Ha.	ref. gas	Claus/Scot	34.5	20.0
Montana Sulphur & Chemical Co.—East Billings, Mont.	ref. gas	Claus/SuperClaus	250.0	100.0	Tom Brown Inc.—Lisbon Valley, Utah	nat. gas	Selectox/Claus	29.4	22.1
Motiva Enterprises LLC—Convent, La.	ref. gas	Claus	711.2	—	Tonkawa Gas Processing Co.—Coyanosa, Tex.	nat. gas	Claus	29.7	6.1
Norco, La.	ref. gas	Scot/Claus	155.0	72.0					

Company and location	Source	Type of process	— Tonnes per day —	
			Design capacity	Production
Freestone County (Aker), Tex.	nat. gas	Claus	180.0	48.8
Torch Operating Co.—Lompac, Ca.	nat. gas		2.0	0.5
Tosco Refining Co.—Belle Chasse, La.	ref. gas	Claus/Scot	70.0	—
Ferndale, Wash.	ref. gas	Claus	42.0	40.0
Linden, NJ	ref. gas	Claus/Beavon Stretford	392.0	90.0
Los Angeles, Calif.	ref. gas	Claus/BSRP/Scot	410.0	340.0
San Francisco, Calif.	ref. gas	Claus/Scot	560.0	460.0
Trainer, Pa.	ref. gas	Claus	160.0	35.0
Wood River, Ill.	ref. gas	Claus	435.0	—
Total Petrochemicals Inc.—Port Arthur, Tex.	ref. gas	Claus	264.0	195.0
TP Gas Co.—Albany, Tex.	nat. gas		—	—
TransAmerican Refining Corp.—Norco, La.	ref. gas		290.0	—
Tristar Gas Co.—Pyote, Tex.	nat. gas	Claus	20.0	2.7
US Oil & Refining Co.—Tacoma, Wash.	ref. gas	Claus	10.0	5.0
United Refining Co.—Warren, Pa.	ref. gas	Pritchard/TPA	80.0	35.0
Valence Midstream Ltd.—Como, Hopkins Co., Tex.	nat. gas	Claus	80.0	61.0
Valero Energy Corp.—Ardmore, Okla.	ref. gas	Claus	99.7	82.4
Benicia, Calif.	ref. gas	Claus	275.0	138.0
Corpus Christi, Tex.	ref. gas	Claus	470.0	250.0
Denver, Colo.	ref. gas	Claus	4.0	1.5
Houston, Tex.	ref. gas	Claus	247.0	109.0
Houston, Tex.	ref. gas	Claus	193.0	85.0
Lima, Ohio	ref. gas	Claus	52.0	50.0
Memphis, Tenn.	ref. gas	Claus/Scot	40.0	45.0
Paulsboro, NJ	ref. gas	Claus	230.0	183.0
Sunray (McKee), Tex.	ref. gas	Claus	79.0	60.0
Texas City, Tex.	ref. gas	Claus	902.0	525.0
Three Rivers, Tex.	ref. gas	Claus	50.8	27.4
Wilmington, Calif.	ref. gas	Claus	250.0	230.0
Versado Gas Processors—Monument, Lea Co., NM	nat. gas	Mod. Claus	32.0	19.4
West Texas Gas Processing LP—Howard, Tex.	nat. gas	Claus	10.0	6.0
Western Gas Resources, Inc.—San Juan River, NM	nat. gas	Claus	45.7	5.0
Western Refining Co.—El Paso, Tex.	ref. gas	Claus/Stretford	58.0	—
Wyoming Refining Co.—Newcastle, Wyo.	ref. gas	Locat	3.0	2.7
<b>VENEZUELA</b>				
Petroleos de Venezuelan SA—El Palito, Puerta Cabello	ref. gas	Claus	44.0	—
Puerto La Cruz, Anzoategui	ref. gas	Claus	18.0	17.0
Paraguana Refining Center—Judibana, Falcon	ref. gas	Claus/Sulfreen	1,454.0	1,004.0
Sincor Ca—Jose, Anzoategui	ref. gas	Claus	800.0	—
<b>Total World</b>			<b>178,225.4</b>	
<b>Total US</b>			<b>40,953.4</b>	
<b>Total Canada</b>			<b>42,704.1</b>	