

Client List

Dry Vapor Recovery Systems

By February 1, 2010 sixty-seven fuels terminals in Europe, Asia, and the Americas had chosen to install DRYVac™ Vapor Recovery Systems. The following is a listing of those terminals.

Companhia Brasileira de Petroleo Ipiranga	
SYMEX Americas Supply	1 Vapor Recovery System for Truck Loading Terminal
Site	Paulinea-Sao Paulo, Brasil
Profile	Rail Terminal
Emission Limit	10 mg/L
Standard	US EPA
VRS Type	DRYVac™ VRU with Two (2) Busch Cobra 1000s
Capacity	14,400 m3 per day
Start-Up	August, 2010

Trinidad National Gas Company (KBR)	
SYMEX Americas Supply	1 Vapor Recovery System for Gasoline/Diesel Terminal
Site	Trinidad and Tobago, West Indies
Profile	Grass Roots Truck Terminal
Emission Limit	10 mg/L
Standard	US EPA
VRS Type	DRYVac™ VRU with Two (2) Busch Cobra 1000s
Capacity	1,400,000 Gallons/16 hours
Start-Up	February, 2009

Petrocomercial, Quito, Ecuador	
SYMEX Americas Supply	1 Vapor Recovery System for Gasoline/Diesel Terminal
Site	Quito, Ecuador
Profile	Capital City Truck Terminal
Emission Limit	10 mg/L
Standard	US EPA
VRS Type	DRYVac™ VRU with one (1) Busch Cobra 800/1000
Capacity	220,000 Gallons/16 hours
Start-Up	December, 2008

Hartford Wood River Terminal, Inc.	
SYMEX Americas Supply	1 Vapor Recovery System for Gasoline/Diesel Terminal
Site	Wood River, Illinois, USA
Profile	Truck Terminal on US Pipeline
Emission Limit	10 mg/L
Standard	US EPA
VRS Type	DRYVac™ VRU with one (1) Busch Cobra 1000
Capacity	1,100,800 Gallons/24 hours
Start-Up	October 2008

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PUMA/TRAFIGURA	
SYMEX Americas Supply	Vapor Recovery System for Gasoline/Diesel Terminal (Retrofit – Use McGill Carbon Beds)
Site	San Juan, Puerto Rico
Profile	Truck Terminal with Sea Terminal Offloading
Emission Limit	10 mg/L
Standard	US EPA
VRS Type	DRYVac™ VRU with one (1) Busch Cobra 1000
Capacity	900,000 Gallons/4 hours
Start-Up	July, 2008

Sinopec (Chinese Oil Company) China	
SYMEX Americas Supply	1 Vapor Recovery System for Gasoline with or without Ethanol, and Diesel and Low-Sulphur Diesel
Site	Shijiazhuang City Terminal, Shijiazhuang, China
Profile	Profile 4-Bay Truck Terminal
Emission Limit	Emission Limit 10 mg/L set to operate at <10 mg/L
Standard	Standard China EPA
VRS Type	DRYVac™
Capacity	600,000 Gallons per day
Start-Up	September, 2008

Sinopec (Chinese Oil Company) - China	
SYMEX Americas Supply	1 Vapor Recovery System for Gasoline with or without Ethanol, and Diesel and Low-Sulphur Diesel
Site	Dongfang Terminal, Beijing China
Profile	4-Bay Truck Terminal (Enlarging to Eight Bays)
Emission Limit	25 mg/L set to operate at <15 mg/L
Standard	China EPA
VRS Type	DRYVac™ With One Busch Cobra Dry Screw Vacuum Pump
Capacity	528,000 Gallons/4 hours
Start-Up	Scheduled for December 2007

Sinopec (Chinese Oil Company) - China	
SYMEX Americas Supply	1 Vapor Recovery System for Gasoline with or without Ethanol, and Diesel and Low-Sulphur Diesel
Site	Changxindian Terminal, Beijing China
Profile	China's Largest Truck Terminal
Emission Limit	25 mg/L set to operate at <15 mg/L
Standard	China EPA
VRS Type	DRYVac™ With One Busch Cobra Dry Screw Vacuum Pump
Capacity	700,000 Gallons/4 hours
Start-Up	September 2007

MOL – Hungarian Oil Company - Hungary



The systems listed herein were supplied by SYMEX Americas or Symex S.A., as indicated. In 2005 Symex S.A. ceased all business activities. SYMEX Americas continues to offer its improved DRYVac™ Systems worldwide.

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SYMEX Americas Supply	1 Vapor Recovery System for Gasoline with or without Ethanol, and Diesel and Low-Sulphur Diesel
Site	Tisaujvaros Terminal, Tisaujvaros, Hungary
Profile	4-Bay Truck Terminal (2-Bottom Load Gasoline)
Emission Limit	35 mg/L set to operate at <15 mg/L
Standard	Hungary EPA
VRS Type	DRYVac™ With One Busch Cobra 1000 Dry Screw Vacuum Pump
Capacity	317,000 Gallons/4 hours
Start-Up	August 2007

MOL – Hungarian Oil Company - Hungary

SYMEX Americas Supply	1 Vapor Recovery System for Gasoline with or without Ethanol, and Diesel and Low-Sulphur Diesel
Site	Csepel Island Terminal, Budapest, Hungary
Profile	4-Bay Truck Terminal (2-Bottom Load Gasoline)
Emission Limit	35 mg/L set to operate at <15 mg/L
Standard	Hungary EPA
VRS Type	DRYVac™ With One Busch Cobra 1000 Dry Screw Vacuum Pump
Capacity	317,000 Gallons/4 hours
Start-Up	August 2007

MOL – Hungarian Oil Company - Hungary

SYMEX Americas Supply	1 Vapor Recovery System for Gasoline with or without Ethanol, and Diesel and Low-Sulphur Diesel
Site	Szekesfehervar Terminal, Szekesfehervar, Hungary
Profile	4-Bay Truck Terminal (2-Bottom Load Gasoline)
Emission Limit	35 mg/L set to operate at <15 mg/L
Standard	Hungary EPA
VRS Type	DRYVac™ With One Busch Cobra 800 Dry Screw Vacuum Pump
Capacity	198,000 Gallons/4 hours
Start-Up	August 2007

Texas Eastern Pipeline Corporation -USA

SYMEX Americas Supply	1 Vapor Recovery System for Gasoline with or without Ethanol, and Diesel and Low-Sulphur Diesel
Site	Lebanon, Ohio, USA
Profile	Truck Terminal on Major US Pipeline
Emission Limit	80 mg/L, BUSCH COBRA DRYVac set to operate at <10 mg/L
Standard	US EPA
VRS Type	DRYVac™ With Two Busch Cobra 1000 Dry Screw Vacuum Pumps
Capacity	720,000 Gallons/4 hours
Start-Up	May 2005

Texas Eastern Pipeline Corporation -USA

SYMEX Americas	1 Vapor Recovery System for Gasoline with or without
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Supply	Ethanol, and Diesel and Low-Sulphur Diesel
Site	Cape Girardeau, Missouri, USA
Profile	Truck Terminal on Major US Pipeline
Emission Limit	10 mg/L
Standard	US EPA
VRS Type	DRYVac™ With Two Busch Cobra 1000 Dry Screw Vacuum Pumps
Capacity	864,000 Gallons/4 hours
Start-Up	October 2004

BP - USA

SYMEX Americas Supply	1 Vapor Recovery System for Gasoline w/ or w/o Ethanol, Diesel
Site	Coraopolis, Pennsylvania USA
Profile	Truck Terminal
Emission Limit	10 mg/L
Standard	US EPA
VRS Type	SN 2080-D8-2814-10MEGA With Two Busch 800 Cobra Dry Screw Vacuum Pumps
Capacity	432,000 Gallons/4 hours
Start-Up	April 2003

Oiltanking - Europe

Symex Supply	1 Vapor Recovery System For Crude Oil, Methanol, MTBE, and Gasoline
Site	Amsterdam, Holland
Profile	Marine Terminal
VRS Type	SN 7450 D10 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	1 500 M3/H Emission Limit 10 g/Nm3
Start-Up	April 1999 Standard European

Oiltanking - Europe

Symex Supply	1 Vapor Recovery System For Gasoline
Site	Gent, Belgium
Profile	Truck Terminal
VRS Type	SN 1080 D8 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	350 M3/H Emission Limit 10 g/Nm3
Start-Up	July 2000 Standard European

Oiltanking - Europe

Symex Supply	1 Vapor Recovery System For Gasoline
Site	Kotka, Finland
Profile	Truck Terminal
VRS Type	SN 1040 D6 Lt With Busch Cobra Dry Screw Vacuum Pumps
Capacity	400 M3/4h Emission Limit 35 g/N M3
Start-Up	June 2002 Standard European

Total - Europe

Symex Supply	11 Vapor Recovery Systems For Gasoline
Site	Gennevilliers, Dijon, Chambéry, Ouistreham, Brive,

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	Bastia, Valenciennes, Le Mans, Sète, Le Pontet, Portes-Lès-Valence, France
Profile	Truck Terminals
VRS Type	SN 1080, SN 1110, SN 2080, SN 2100, SN 3100 D With Busch Cobra Dry Screw Vacuum Pumps
Capacity	760 To 3 460 M3/4h Emission Limit 35 g/Nm3
Start-Up	January - April 2002 Standard European

RM (Raffinerie Du Midi) - Europe	
Symex Supply	1 Vapor Recovery System For Gasoline
Site	St-Pol, France
Profile	Truck Terminal
VRS Type	SN 5166 Initially With Liquid Ring Vacuum Pumps And Revamped With Busch Cobra Dry Screw Vacuum Pumps
Capacity	2 100 M3/4h Emission Limit 2 g/Nm3
Start-Up	December 2001 Standard European

RM (Raffinerie Du Midi) - Europe	
Symex Supply	4 Vapor Recovery Systems For Gasoline
Site	Dijon, Annecy, Le Boucau, Coignières, France
Profile	Truck Terminals
VRS Type	SN 2080 D8 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	1 920 M3/4h Emission Limit 35 g/Nm3
Start-Up	April - October 2002 Standard European

Mider - Europe	
Symex Supply	1 Vapor Recovery System For Gasoline
Site	Leuna, Germany
Profile	Petroleum Refinery. Railcar Loading
VRS Type	SN 2540 D10 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	1 200 M3/H Emission Limit 150 mg/Nm3 (Ta-Luft)
Start-Up	November 1998 Standard European

DISA	
Symex Supply	1 Vapor Recovery System For Gasoline
Site	Las Palmas Canary Island
Profile	Truck Terminal
VRS Type	SN 1080 D10 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	1 050 M3/4h Emission Limit 35 g/Nm3
Start-Up	January 2002 Standard European

Terminales Canarias	
Symex Supply	2 Vapor Recovery Systems For Gasoline
Site	Tenerife, Las Palmas, Canary Island

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Profile	Truck Terminals
VRS Type	SN 1040 D6 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	800 M3/4h Emission Limit 35 g/Nm3
Start-Up	January 2002 Standard European

BP - Europe	
Symex Supply	12 Vapor Recovery Systems For Gasoline
Site	Cowes, Grangemouth, Dalston, Inverness, Northhampton Alexandroupolis, Iraklion, Igoumenitsa, Corfu, St Pierre Des Corps, Mulhouse, Refinery Of Castellon, UK, Greece, France, Spain
Profile	Petroleum Refinery And Truck Terminals
VRS Type	SN 1040 / SN 1080 / SN 2080 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	300 À 1 920 M3/4h Emission Limit 35 g/Nm3
Start-Up	April 2001- Jan. 2002 Standard European

SDPL - Europe	
Symex Supply	1 Vapor Recovery System For Gasoline
Site	La Rochelle, France
Profile	Truck Terminal
VRS Type	SN 1080 D8 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	1 750 M3/4h Emission Limit 35 g/Nm3
Start-Up	September 2001 Standard European

Shell - Europe	
Symex Supply	9 Vapor Recovery Systems For Gasoline
Site	Vestervika, Rio, Hania, Volos, Petit-Couronne, Dublin, Cork, Galway, Mahosinhos, Norway, Greece, France, Ireland, Portugal
Profile	Petroleum Refinery And Truck Terminals
VRS Type	SN 1040 / SN 1080 / SN 1098 / SN 2080 / SN2098 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	350 To 2 200 M3/4h Emission Limit 35 g/Nm3
Start-Up	Dec 2001 – Sept 2002 Standard European

Propetrol - Europe	
Symex Supply	1 Vapor Recovery System For Gasoline
Site	Village-Neuf, France
Profile	Truck Terminal
VRS Type	SN 1110 D10 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	1 320 M3/4h Emission Limit 5 g/Nm3
Start-Up	April 2001 Standard European

EKO - Europe	
Symex Supply	7 Vapor Recovery Systems For Gasoline
Site	Skaramanga, Dendropotamos, Iraklion, Lesvos,

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	Alexandroupolis, Rodos, Amphilochoia, Greece
Profile	Truck Terminals
VRS Type	SN 1040 D6 / 1080 D6 / 1100 D8 With Busch Cobra Dry Screw Vacuum Pumps
Capacity	350 To 1 750 M3/4h Emission Limit 35 g/Nm3
Start-Up	2002 - 2003 Standard European