

Ethanol Plant Explosion/Fires

Plant	Location	Date
Badger State Ethanol Plant 820 W. 17th Street P.O. Box 317 Monroe, WI 53566	small fire and explosion in silo	23-Jun-07
Ethanol of Florida , E 1705 Mann Rd , Bartow FL Polk - County	a tank containing alcohol exploded near the rear of an ethanol plant	24-Apr-09
Abengoa Bioenergía , 395 Bissell St. Madison, IL, 63060, USA	Men were working near a container in a maintenance shed when the container exploded.	11-Apr-11
American AG Fuels , Defiance, Ohio	unknown reason for blast, but happened in loading area	04-Jan-08
Appomattox Bio Energy Plant , 701 S. 6th Avenue, Hopewell Virginia 23860	vapors back-up and the vapors were in a device that has a burner in it and so the vapors ignited	09-Sep-10
Chief Industries , 4225 E South St. • PO Box 488 • Hastings, NE 68901	the men opened the door of a grain grinder while doing maintenance and a small explosion occurred.	Mar. 6, 2009
Poet Ethanol Plant , 27716 462ND AVE. CHANCELLOR, SD 57015	issue with feed dryer. Worker were taking down the dryer when a small amount of dust ignited.	24-Aug-10
Pinal Energy , 38585 W Cowtown Rd Maricopa, AZ 85139	the explosion was possibly the result of corn by-product dust particles that were ignited by a heating system used in the ethanol-producing drying process.	09-Oct-09
Central Minnesota Ethanol Co-op in Little Falls, Minn.	the damage was contained to a biomass gasification system	03-Oct-07
Chippewa Valley Ethanol Co. 270 20th St. NW, Benson, MN 56215	A tank holding 40,000 gallons of corn mash, exploding with a "whoosh and a flash"	Oct. 22, 2003
A LyondellBasell US ethanol 625 East US Highway 36, Tuscola, IL 61953	plant rocked by an explosion on Monday	22-Mar-10
Collingwood Ethanol plant	fire in silo	13-May-09
Amazeingly Green L.P formerly Collingwood Ethanol	The company was convicted of a number of charges laid by the MOE related to odour and noise issues.	2009
Tharaldson ethanol plant 3549 153rd Avenue SE Casselton, ND 58012	contained to a dust collection bin.	28-Feb-09
Constellation New Energy Inc 3201 West Calvert Street South Bend, IN 46613-1010	fire not clear	12/30/10
Bushmills Ethanol , Atwater, MN 56209	fire on conveyor belt	11/04/2010
Bushmills Ethanol , Atwater, MN 56209	natural gas leak	10/24/2009
Poet Refining , Caro, MI 48723	fire in the ductwork between the dryers and thermal oxydizer caught fire	10/13/10
Pinal Energy , 38585 W Cowtown Rd Maricopa, AZ 85139	explosion at a grain elevator	12/29/08
Glacial Lakes Energy	fire in large corn dryer	12/23/08
East Kansas Agri Energy	Ethanol Explosion	12/16/08
Warrumbungle Ethanol Plant , Bomaderry, NSW 2541 Australia	explosion	12/10/2008
Greater Ohio Ethanol , Lima OH	dust fueled fire in duct work	11/11/2008
Central Minnesota Ethanol Co-op , Little Falls, Minn.	explosion in a wood chip storage silo	10/29/08
Poet Biorefining Michigan Ethanol	fire in hot spots in the ductwork	9/23/08
Glacial Lakes Energy , Mina, SD 57451	electrical motor blamed for the fire at the bottom of a grain bin	8/30/08

Abengoa Bioenergy , York, NE 68467	fire in duct work	07/02/2008
Andersons Albion Ethanol , Sheridan Township, MI	explosion in the dryer	6/27/08
Poet Biorefining Mitchell , Loomis, S.D	flash fire,	01/03/2008
Pine Lake Corn Processors , Steamboat Rock, IA 50672	Dryer explosion	2007-dec
Central Minnesota Ethanol Co-op in Little Falls, Minn.	explosion in silo/biomass gasification system	10/27/07
AGP Ethanol plant , Hastings	fire in soybean meal dryer	7/29/06
Big River Resources , West Burlington, IA	fire in bin that is used to dry animal feed	9/21/05
Heartland Grain Fuels , Aberdeen, SD	dryer fire	11/14/04
Michigan Ethanol/Poet , Caro, MI	dryer fire during routine dryer shutdown	5/24/04
Great Plains Ethanol/Poet , SD	power outage/ fire stated when feed ignited	3/14/04
Gopher State Ethanol/ out of business	a piece of insulation fell into a heated area, setting the roof on fire	7/26/03
Tri-County Ethanol/North Country Ethanol , S. Dakota	fire and explosion in the distillation area	12/31/02
Gopher State Ethanol , Saint Paul, MN	fire in grain drying unit	06/05/2002
Gopher State Ethanol , Saint Paul, MN	fire in grain drying unit	3/23/02
Corn Plus, Winebago , MN	older dryer fire	11/30/01
Heartland Grain Fuels , Aberdeen, SD	fire started after a valve allowed 200 proof raw alcohol to drain onto the floor and run out an open door. A spark from welding equipment used by a crew working on the second floor of the building ignited the alcohol.	8/23/2000
New Energy , South Bend, Indiana	fire contained to the bag house. Spontaneous combustion the cause	3/21/2000
Minnesota Energy , Buffalo Lake, MN	fire in the dryer	11/06/1998
Yokkaichi, Mie, Japan	explosion in recycle gas piping near reactor due to erosion	05/02/1997
Cornhusker Energy Lexington LLC, NE	natural gas rupture	12/24/2008
Manildra Park Petroleum, Australia		1/29/2004
Delta Oil Mill, Greenwood, Miss	grain fire	06/27/2011
Surat India	leak in ethanol pipeline	11/23/2003
Equistar Chemicals, Tuscola, Illinois	confined to a furnace	03/23/10
Agri-Energy, 1304 S. Main St., Garnett, Kansas		12/17/2008
Lincolnland Agri- Energy, Palestine, Ill	dryer	12/14/09

Outcome
Significant damage to silo
classes evacuated nearby, 7 people from the plant, and the peace river citrus plant
three injured, serious burns
three injured, one airlifted to burn center.
A portion of the plant has been temporarily shutdown because of the explosion.
the men were burnt
no one was hurt
no injuries,
no injuries
1 worker killed, 1 injured
no one was hurt in the incident
no one hurt, plant not meeting it's CofA
no one hurt.
3 injuries
1 injury

minor injuries, damage to dryer and structure
1 injury
millions in damages -
fire injuries - plant worker and a firefighter
4 firefighters treated with heat exhaustion, 16 hour fire
60 firefighters worked the blaze by ripping parts of the roof off
2 injuries
pipe rupture and damage of thermal insulation
no severe damage
severe damage
1 death, 1 severely burned
2 workers killed and four with serious burns
badly damaged the dryer and caused damage to the building.