

List of pipeline accidents in the United States in the 21st century

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The following is a list of pipeline accidents in the United States during the 21st century. It is one of several lists of U.S. pipeline accidents.

This list is incomplete; you can help by expanding it (https://en.wikipedia.org/w/index.php?title=List_of_pipeline_accidents_in_the_United_States_in_the_21st_century&action=edit).

See also Wikipedia's List of pipeline accidents,^[1] as well as wikis for Kinder Morgan and Tennessee Gas Pipeline.

2000 - 2009

- 2000
- 2000 On January 10, approximately 100 barrels of jet fuel were discharged from Plantation Pipeline in Newington, Virginia, some of which entered into Accotink Creek and its adjoining shorelines. The failure resulted from a failed gasket on an interface detector.^[1]
- 2000 Koch Industries agreed to pay on January 13 a \$35 million fine, due to a series of oil pipeline leaks, including 300 from 1990 to 1997. One of the allegations was the leaks were from a lack of maintenance of the pipelines.^[2]
- 2000 On January 21, a Chevron pipeline leaked from a welding flaw near Corinne, Utah, spilling about 100 barrels of diesel fuel. The product spread over 38 acres of salt flat and wetlands used by birds. About 75% to 80% of the spill was intentionally burned to eliminate it.^[3]
- 2000 An Equilon Pipeline Co. crude oil line was ruptured on January 21, by an 8 ton anchor dropped by a ship, off of the Louisiana coast. About 94,000 gallons of crude were spilled, creating a slick 2 miles wide by 7 miles long.^[4]
- 2000 On January 27, in Winchester, Kentucky, a Marathon Oil pipeline accident released about 490,000 US gallons (1,900,000 L) of crude oil. NTSB investigators found a dent on the bottom of the pipe in the rupture area. Marathon spent about \$7.1 million in response to the accident.^[5]
- 2000 On February 5, a pipeline failed and spilled over 192,000 US gallons (730,000 L) of crude oil in the John Heinz National Wildlife Refuge in Pennsylvania. The source of the spill was a break in a miter bend in the pipe, which was estimated to be at least 50 years old.^{[6][7]}
- 2000 An Explorer petroleum products pipeline failed in Greenville, Texas, on March 9. The 28-inch pipeline ruptured and released 13,436 barrels (2,136.2 m³) of gasoline. The released gasoline eventually reached East Caddo Creek. The banks of the tributary and creek contained the escaping gasoline as it flowed away from the ruptured pipe. The probable cause of the pipeline failure was corrosion-fatigue cracking that initiated at the edge of the longitudinal seam weld at a likely preexisting weld defect. Contributing to the failure was the loss of pipe coating integrity.^[8]
- 2000 A pipeline released fuel oil near Chalk Point, Maryland, on April 7. The Piney Point Oil Pipeline system, which was owned by the Potomac Electric Power Company (Pepco), experienced a pipe failure at the Chalk Point Generating Station in southeastern Prince George's County, Maryland. The release was not discovered and addressed by the contract operating company, Support Terminal Services, Inc., until the late afternoon. Approximately 140,400 US gallons (531,000 L) of fuel oil were released into the surrounding wetlands and Swanson Creek and, subsequently, the Patuxent River as a result of the accident. No injuries were caused by the accident, which cost approximately \$71 million for environmental response and clean-up operations.^[9]
- 2000 A Colonial Pipeline Co. line failed near Greensboro, North Carolina on May 19. At least 714 gallons (17 barrels) of kerosene spilled, some of which entered a pond that flows into a tributary of the East Fork Deep River. The kerosene spill caused a sheen about 40 feet by 40 feet in the pond. As a result of this, and 6 other previous Colonial Pipeline accidents, the EPA fined Colonial \$34 million in 2003.^[10]
- 2000 On June 7, a stopple fitting weld failed on a Wolverine Pipeline Company line, causing a rupture releasing 75,000 US gallons (280,000 L) of gasoline into the environment, and causing the evacuation of more than 500 homes in Blackman Charter Township, Michigan. The failure caused the shutdown of 30% of Michigan's gasoline supplies for nine days, contaminated a creek which flows into the Grand River, and a railroad track near the failure site was shut down for a week. Later tests found 715 anomalies in this pipeline. Wolverine later agreed to pay for switching homes in the area from local water wells to a city water source.^{[11][12]}
- 2000 On July 5, two boats hit a Southern Natural Gas pipeline off the coast of Plaquemines, Louisiana, causing a gas fire that burned 5 members of the boat crews. The fire could be seen at 35 miles away from it.^{[13][14]}
- 2000 On August 19, a 30-inch diameter El Paso Natural Gas pipeline rupture and fire near Carlsbad, New Mexico killed 12 members of an extended family camping over 600 feet (180 m) from the rupture point. The force of the escaping gas created a 51-foot (16 m)-wide crater about 113 feet (34 m) along the pipe. A 49-foot (15 m) section of the pipe was ejected from the crater, in three pieces measuring approximately 3 feet (0.91 m), 20 feet (6.1 m), and 26 feet (7.9 m) in length. The largest piece of pipe was found about 287 feet (87 m) northwest of the crater. The cause of the failure was determined to be severe internal corrosion of that pipeline. On July 26, 2007, a USDOJ Consent Decree was later entered into by the pipeline owner to do pipeline system upgrades to allow better internal pipeline inspections ^{[15][16][21]}
- 2000 On August 20, a gas pipeline exploded & burned in Concord, North Carolina. A nearby shopping mall was evacuated, but, there were no injuries.^[22]
- 2000 On August 24, a 6 inch pipeline operated by Chevron failed from alleged external corrosion, spilling 126,000 gallons of crude oil into an unnamed creek, near Snyder, Texas. The creek was dry at the time. Later, a Federal Court ruled that the Clean Water Act did not apply, since there was no water flowing in the creek at the time.^{[23][24]}
- 2000 For the second time in 24 hours, a state contractor building a noise wall along the I-475 in Toledo, Ohio struck an underground pipeline, and for a second time the contractor blamed faulty pipeline mapping for the accident. In this incident, the pipe was a 6-inch gas pipeline. The crew was digging a hole with an auger for a noise-wall support on September 8, when it hit the underground pipe less than 500 meters from the previous day's incident.
- 2000 A bulldozer ruptured a 12-inch diameter NGL pipeline on Rt 36 south of Abilene, Texas on September 7. An Abilene police detective, with 21 years of service, was severely burned when the vapors ignited, and later died. Nearby, a woman saved herself by going underwater in her swimming pool. Her house was destroyed by the explosion and fire. The owner of the pipeline, ExxonMobil, was later fined by the Texas Railroad Commission for the pipeline not being marked.^{[25][26][27][28]}



- 2000 On November 3, a front end loader punctured an 8-inch pipeline carrying diesel fuel in Lancaster County, Pennsylvania. Diesel fuel sprayed 40 feet (12 m) into the air. The fuel flowed for over 2 hours before stopping, and contaminating the area with more than 40,000 US gallons (150,000 L) of diesel fuel.^[29]
- 2001
- 2001 On January 17 and 18, a series of gas explosion hit downtown Hutchinson, Kansas, resulting in 2 deaths, and 2 buildings being destroyed. Later, it was discovered that gas was leaking from an underground gas storage cavern in the area.^{[30][31]}
- 2001 A 12-inch natural gas pipeline exploded in Weatherford, Texas on March 22. No one was injured, but the blast created a hole in the ground about 15 feet (4.6 m) in diameter and the explosion was felt several miles away.
- 2001 On April 1, a Dome Pipeline in North Dakota carrying gasoline ruptured and burst into flames a few miles west of Bottineau, North Dakota. An estimated 1 million US gallons (4,200 m³) of gasoline burned before the pipeline could be shut down. The company attributed the break to damage by an "outside force," which A Bottineau County Sheriff said appeared to be frost that melted at uneven rates, twisting and breaking the pipeline.^[32]
- 2001 On April 14, a 6 inch petroleum productions failed near Harwood, North Dakota, spilling 40 barrels of fuel oil. There were no injuries. The failure was due to an ERW seam failure, with this particular pipeline having had other ERW seam failures in the past in 1987 and 1993.^[33]
- 2001 A MAPCO 10-inch propane pipeline exploded and burned in Platte County, Missouri on May 1. 13,500 barrels of propane were burned.^{[34][35][36]}
- 2001 A bulldozer being used in Taylor County, Texas hit a petroleum pipeline on May 24, causing a large petroleum fire. There were no injuries.^[37]
- 2001 On June 13, in Pensacola, Florida, at least ten persons were injured when two natural gas lines ruptured and exploded after a parking lot gave way beneath a cement truck at a car dealership. The blast sent chunks of concrete flying across a four-lane road, and several employees and customers at neighboring businesses were evacuated. About 25 cars at the dealership and 10 boats at a neighboring business were damaged or destroyed.
- 2001 On July 24, a pipeline ruptured and spread burning gasoline near Marhain, Pennsylvania.^{[38][39]}
- 2001 At approximately 5:05 a.m. MST, on August 11, an El Paso Natural Gas 24-inch gas transmission pipeline failed near Williams, Arizona, resulting in the release of natural gas. The natural gas continued to discharge for about an hour before igniting. Stress corrosion cracking was determined to be the cause of the failure.^{[40][41]}
- 2001 On August 12, a bulldozer hit a 14 inch LP gas pipeline near Weatherford, Texas, causing a massive fire. One person was injured.^{[42][43]}
- 2001 On August 17, an Oklahoma crude oil pipeline ruptured after being struck by a machine cleaning roadside ditches, sending oil 30 feet (9.1 m) into the air and damaging nearby cotton crops with up to 150,000 US gallons (570,000 L) spilled.^[44]
- 2001 On September 3, at approximately 1:00 p.m. CST, a rupture occurred near the intersection of the 22" T-ML Pipeline and the Black Bayou in Louisiana, resulting in the release of an estimated 8.00 mmcf to 13.00 mmcf of natural gas. In addition, the liquids loss is estimated to be 15,000 gallons.^[45]
- 2001 On October 4, a drunken man used a rifle to shoot a hole in the Alaskan Pipeline. More than 285,000 gallons of crude oil were spilled, costing more \$13 million to clean up. The man was later convicted in Court.^[46]
- 2001 On October 15, a 6 inch ConocoPhillips LPG pipeline failed near Sweeny, Texas, forcing 2 dozen residents to evacuate. About 195,000 gallons of LPG were lost.^{[47][48]}
- 2001 On or about November 27, approximately 2,575 barrels of Jet A Kerosene (Jet Fuel) discharged from the P-62 pipeline of the TEPPCO Pipeline System into tributaries of the Neches River and the Neches River itself. The release occurred 4 miles southeast of Vidor, Texas. This spill was caused by disbanded coating and external corrosion on the pipeline. This incident was later part of a US EPA Consent Decree.^[49]
- 2001 On December 14, an anhydrous ammonia spill near Algona, Iowa killed nearly 1.3 million fish, the largest fish kill on that state's record-to-date, Iowa state officials said. More than 58,000 US gallons (220,000 L) of anhydrous ammonia over a nine-hour period spilled into Lotts Creek and the Des Moines River, killing minnows, bass and other game fish; the broken pipeline. Koch Industries owned the 8-inch pipeline, and was doing maintenance work on a valve on the pipeline. The plume drifted over a six-mile (10 km) area causing officials to evacuate residents in its path.^[50]
- 2002
- 2002 On February 8, a trenching machine with a new rock bit being tested hit a 20-inch gas transmission pipeline in Noble County, Oklahoma, causing an explosion that killed the trencher operator.^[51]
- 2002 On March 6, an explosion and a massive fire hit a Tennessee Gas Pipeline natural gas substation near Mount Sterling, Kentucky. 30 families in the area voluntarily evacuated. There were no injuries.^{[52][53]}
- 2002 On March 13, a Buckeye Partners pipeline ruptured due to internal corrosion in Wren, Ohio, spilling about 1500 gallons of gasoline.^[54]
- 2002 On or about March 13, approximately 20 barrels of oil or jet fuel were discharged from a portion of the Plantation Pipeline in Alexandria, Virginia, some of which entered into an unnamed tributary of Hooft Run and its adjoining shorelines. The pipeline failure appears to have resulted from a hole in the pipeline caused by high-voltage arcing between the pipeline and a utility pole anchor.^[4]
- 2002 On March 15, a failure occurred on a 36-inch gas pipeline near Crystal Falls, Michigan. The failure resulted in a release of gas, which did not ignite, that created a crater 30 feet (9.1 m) deep, 30 feet (9.1 m) wide, and 120 feet (37 m) long. There were no deaths or injuries.^[55]
- 2002 On April 6, a BP-Amoco pipeline ruptured and released about 100,000 US gallons (380,000 L) of oil into a coastal area known as Little Lake in Louisiana.^[44]
- 2002 An 8-inch petroleum products pipeline failed on May 22, spilling about 2,000 barrels of unleaded gasoline on to a wheat field near Ottawa, Kansas. Booms had to be deployed in nearby creeks. The pipe failed along a seam, possibly due to LF-ERW pipeline failure issues.^[56]
- 2002 On June 20, PHMSA ordered Columbia Gas Transmission Company to do extensive repair to one of their gas transmission pipelines in the states of Pennsylvania & New York, after finding extensive wall thinning on sections of that pipeline system caused by external corrosion. Approximately 800 anomalies with wall thickness losses of greater than 65 percent were found during a smart pig examination, with 76 of the found anomalies having a wall thickness loss of greater than 80 percent. Many of the affected sections of pipe were older sections lacking coating, which is known to reduce external corrosion on pipelines.^[57]

- 2002 On July 4, there was a rupture of an Enbridge Pipeline, and release of crude oil near Cohasset, Minnesota. The pipeline ruptured in a marsh in Itasca County, spilling 6,000 barrels (950 m³) of crude oil. In an attempt to keep the oil from contaminating the Mississippi River, the Minnesota Department of Natural Resources set a controlled burn that lasted for 1 day and created a smoke plume about one mile (1.6 km) high and five miles (8 km) long. The pipe failed due to cracking caused by train shipping induced cracking of the pipe being delivered.^[138]
- 2002 A gas explosion on July 24 leveled a Hopkinton, Massachusetts home, killing a 4-year-old girl and her 5-year-old sister. A failed sleeve on the gas line in the basement of the home was suspected of being the cause.^[139]
- 2002 On August 5, a natural gas pipeline exploded and caught fire west of Rt. 622, on Poca River Road near Lanham, West Virginia. Emergency workers evacuated three or four families. Kanawha and Putnam Counties in the area were requested Shelter-In-Place. Parts of the Pipeline were thrown hundreds of yards away, around, and across Poca River. The Fire was not contained for several hours because valves to shutdown line did not exist. The Orange Glow from the fire at 11 PM; could be seen for several miles.^[140] The explosion and fire caused in \$2,735,339 property damage.^[141]
- 2002 At approximately 22:10 on Friday, September 20, a gasoline leak from an 8-inch pipeline operated by Cenex Pipeline (terminal) was discovered near Glendive, Montana. The release of approximately 1,000 barrels (160 m³) of unleaded gasoline flowed into Seven Mile Creek, and then downstream into its confluence with the Yellowstone River. Several trenches was constructed near the rupture pipe for product collection points. As of September 25, 2002, a vacuum truck had recovered approximately 21,000 US gallons (79,000 L) of gasoline [and water] from the boomed locations and trenches.^{[142][143]}
- 2002 On November 2, a Chevron pipeline ruptured near Corinne, Utah, spilling about 450 barrels of petroleum. The cause was from external corrosion.^[144]
- 2003
- 2003 An Enbridge crude oil pipeline ruptured at a terminal in Douglas County, Wisconsin on January 24. Some of the crude oil flowed into the Nemadji River. Over 100,000 US gallons (380,000 L) were spilled.^[131]
- 2003 A natural gas pipeline ruptured near Viola, Illinois on February 2, resulting in the release of natural gas which ignited. A 16-foot section of the pipe fractured into three sections, which were ejected to distances of about 300 yards from the failure site.^[145]
- 2003 A 24-inch gas transmission pipeline started leaking in Scott County, Missouri, underneath the Mississippi River on February 20. A shifted pipeline weight has caused damage to the pipeline.^[146]
- On or about February 22, 2003, approximately 788 barrels of gasoline were discharged from a portion of Plantation Pipeline in Hull, Georgia, some of which entered into an unnamed tributary of East Sandy Creek and its adjoining shorelines. The spill resulted from a failed gasket on a buried block valve.
- 2003 Dropping temperatures caused an Enbridge pipeline to fail in Samaria, Michigan on February 27. 130 barrels of crude oil were spilled.
- 2003 On March 13, a seam failed on an 8 inch Dixie Pipeline propane line near Appling, Georgia, releasing about 110,000 gallons of propane. There were no injuries. The pipe split due to seam failure.^{[147][148]}
- 2003 On March 23, a 24-inch El Paso Natural Gas pipeline near Eaton, Colorado exploded. The explosion sent flames 160 meters in the air, forcing evacuations. No one was injured. The heat from the flames melted the siding of two nearby homes and started many smaller grass fires.^[149]
- 2003 On April 1, a 12-inch ConocoPhillips petroleum products pipeline ruptured, spilling about 1,000 barrels of diesel fuel near Ponca City, Oklahoma, with of the fuel getting into Doga Creek. There were no injuries. Low Frequency ERW pipe seam failure was suspected as the cause.^[150]
- 2003 On May 1, a 26-inch Williams Companies natural gas transmission pipeline failed near Lake Tapps, Washington. A neighboring elementary school, a supermarket, and 30 to 40 homes in approximately a 4-mile (6.4 km) area were evacuated. There was no fire or injuries. Land movement was suspected at first, but the failure was later determined to be from Stress corrosion cracking. There were 4 previous failures on this pipeline in the preceding 8 years.^{[151][152]}
- 2003 An 8-inch LPG pipeline failed near Lebanon, Ohio on May 8. About 80 homes and one school in the area were evacuated. There was no fire or injuries.^[153]
- 2003 A 30-inch gas pipeline exploded and burned near Nederland, Texas on May 20. The cause of the failure was internal corrosion, and the damages were estimated to be \$6,901,322.^{[154][155]}
- 2003 Excavation damage to a natural gas distribution line resulted in an explosion and fire in Wilmington, Delaware on July 2. A contractor hired by the city of Wilmington to replace sidewalk and curbing, dug into an unmarked natural gas service line with a backhoe. Although the service line did not leak where it was struck, the contact resulted in a break in the line inside the basement of a nearby building, where gas began to accumulate. A manager for the contractor said that he did not smell gas and therefore did not believe there was imminent danger and that he called an employee of the gas company and left a voice mail message. At approximately 1.44 p.m., an explosion destroyed two residences and damaged two others to the extent that they had to be demolished. Other nearby residences sustained some damage, and the residents on the block were displaced from their homes for about a week. Three contractor employees sustained serious injuries. Eleven additional people sustained minor injuries.^[156]
- 2003 On July 3 a jury found Texas-New Mexico Pipeline (TNMP) Company guilty of fraud, gross negligence and willful misconduct in concealing a 1992 crude oil pipeline leak beneath a Midland, Texas residential subdivision, before selling the pipeline to EOTT Energy in 1999. Oil was discovered in the water table in late 2000, and in March 2001 a group of Midland residents sued EOTT, TNMP and Equilon. Residents living on affected land also received settlements. The spill was estimated in 2003 to be 9,000-13,000 barrels. 190 boxes full of TNMP documents about the pipeline dating from the late 1980s to early 1990s (prior to EOTT Energy taking over the pipeline) were dug up from a 45-foot-deep hole at a site along the company's pipeline in New Mexico.^{[157][158]}
- 2003 A 16-inch Citgo petroleum products pipeline failed in Cook County, Illinois on July 10. About 25 barrels of gasoline were spilled from the pipeline. A crack in the pipe had developed at a dent. There was no fire or injured reported.^[159]
- 2003 On July 16, a 12 3/4-inch pipeline burst in Barnes County, North Dakota, releasing 9,000 barrels of propane, which ignited. There were no casualties. During repairs, mechanical damage was seen on 2 nearby section of this pipeline.^[160]
- 2003 On July 30, a Kinder Morgan pipeline in Tucson, Arizona ruptured, and sprayed 16,548 gallons of gasoline on five houses under construction, and flooding nearby streets with gasoline. The resulting pipeline closure caused major gas shortages and price increases in the state. The failure at first was thought to be from L.F-ERW

flaws, but tests showed it was due to Stress Corrosion Cracking. A hydrostatic test that was performed on this pipeline after repairs failed again 40 feet (12 m) from the first failure.^{[1][82][83][84][85]}

- 2003 A 26-inch Kinder Morgan & Myria Holdings Natural Gas Pipeline Company of America transmission pipeline ruptured in Caddo County, Oklahoma on August 8, releasing about 84,000 MCF of natural gas. A 54-foot long section of 26" diameter pipe had blown out and landed 30 feet from the ditch. Evacuations took place within 3/4 of a mile from the release, but there was no fire or casualties. Stress corrosion cracking was identified as the pipe failure's cause.^[86]
- 2003 On September 26, a propane pipeline at the Phillips Petroleum storage facility in Cahokia, Illinois ruptured, sending flames high into the air and sparking small grass fires in the area.
- 2003 On October 6, a 12-inch petroleum products pipeline ruptured in Johnson County, Kansas, spilling about 100 to 200 barrels of diesel fuel. Some of the diesel contaminated a nearby waterway. There were no injuries.^[87]
- 2003 A failure on an Enbridge pipeline near Bay City, Michigan spilled 500 barrels of crude oil on October 13.^{[88][89]}
- 2003 A leak on what was originally the Big Inch 24-inch of natural gas occurred in Orange County, Indiana on October 14. There were no injuries or evacuations. The pipeline had been installed in 1943.^[90]
- 2003 On November 2, a Texas Eastern Transmission natural gas pipeline exploded in Bath County, Kentucky, about 1.5 km south of a Duke Energy pumping station. A fire burned for about an hour before firefighters extinguished it. No one was injured and no property damage was reported.^[91]
- An 8-inch Buckeye Partners pipeline failed near Mazon, Illinois on November 9. While repairs were being tested on this pipeline on November 14, another section of this pipeline failed about 1500 feet from the first leak. About 10 barrels of gasoline and diesel fuel were spilled by the 2 leaks, requiring soil removal. External corrosion caused both failures. There were no injuries.^[92]
- 2003 Another section of the same Williams Companies gas transmission pipeline that failed on May 1, 2003, failed in Lewis County, Washington on December 13. There was no fire this time. Gas flowed for 3 hours before being shut off. Gas pressure had already been reduced 20% on this pipeline after the May 1 explosion. External corrosion and Stress Corrosion Cracking were seen in this failed area of pipe.^[93]
- 2004
- 2004 A TEPPCO 8-inch propane pipeline failed on January 25, near Davenport, New York. The propane ignited, destroying a trailer home, and forcing evacuations. About 5,000 barrels of propane were burned. There were no injuries. The incident resulted from a through-wall failure of the pipe material at a fitting that was attached to the top of the pipe.^{[94][95]}
- 2004 On March 12, a TEPPCO pipeline spilled about 500 barrels of unleaded gasoline spilled into the Moro Creek, which flows into the Sabine River near Kingsland, Arkansas. The cause was corrosion of a 1-inch bleeder line, that was part of a 20-inch pipeline block valve used to equalize pressure across the valve.^[96]
- 2004 On April 28, a petroleum pipeline of Kinder Morgan Energy Partners ruptured, and spilled an estimated 1,500 - 1,600 barrels (250 m³) of diesel fuel into marshes adjacent to Suisun Bay, in Northern California. The line was corroded. The company failed to notify California authorities about the spill for 18 hours, a failure for which it was later cited.^{[97][98]}
- 2004 On May 23, a leak in a sampling tube on a pipeline in Renton, Washington spilled several thousand gallons of gasoline, which ignited.^[99]
- 2004 A series of explosions starting on August 19 hit an underground natural gas storage cavern in Moss Bluff, Texas, resulting in evacuations for a 3 mile radius. The first blast about 4 a.m. sent flames 150 to 200 feet into the air. The second explosion was seen as far as 20 miles away. Some type of equipment failure was suspected. The cavern had just been expanded using the SMUG (solution mining under gas) process, which permits salt cavern expansion without interrupting gas storage operations. There were no injuries reported.^{[100][97]}
- 2004 On August 21, a natural gas explosion destroyed a residence located at in DuBois, Pennsylvania. Two residents were killed in this accident. The NTSB determined that the probable cause of the leak, explosion, and fire was the fracture of a defective butt-fusion joint.^[101]
- 2004 A vandal started up a trackhoe at a construction site in New Caney, Texas, and dug into a propylene pipeline on September 26. The escaping propylene ignited, causing nearby residents to evacuate. There were no injuries reported.^[102]
- 2004 On September 27, 2004, near Blair, Nebraska, an ammonia pipeline failed, releasing 193,213 pounds of ammonia, resulting in the hospitalization of one individual and emergency responders evacuated homes within a one mile circumference of the break. An estimated 1,000 fish were killed along North Creek and in a golf course pond.^[103]
- 2004 A pipeline failed in Hughes County, Oklahoma on September 28, spilling an estimated 1,500 barrels (240 m³) of diesel fuel.^[104]
- 2004 Crews from Shell Oil Company recovered 100,000 of an oil seawater mix in October. Hurricane Ivan had damaged a crude oil pipeline off of the Louisiana Coast.^[105]
- 2004 On October 27, an anhydrous ammonia pipeline ruptured near Kingman, Kansas, and released approximately 4,858 barrels (772.4 m³) of anhydrous ammonia. Nobody was killed or injured due to the release. The anhydrous ammonia leak killed more than 20,000 fish along a 12.5-mile section of Smoots Creek, including some from threatened species. The pipeline had previous damage to it. The pipeline controller had misinterpreted the leak as other problems with the system operation, causing the leak to go on longer. As a result of this, and another ammonia pipeline leak the month before, the pipeline owner and its two operating companies were later fined \$3.65 million.^{[106][107]}
- 2004 A construction crew ruptured a high-pressure gas line in Little Rock, Arkansas on November 1, near one of the state's busiest intersections Monday, triggering a fire that melted traffic lights that hung overhead. No one was injured.^[108]
- 2004 On November 8, a NGL pipeline failed in a housing division in Ivel, Kentucky. The vapor cloud from the leak ignited, seriously burning a Kentucky State Trooper evacuating those living in the area. Eight others were injured and five homes were destroyed. The pipeline, only 65 miles (105 km) long, had 11 previous corrosion failures.^{[109][110]}

- 2004 On November 9, in Walnut Creek, California, a petroleum pipeline carrying gasoline to San Jose, California, owned and operated by Kinder Morgan Energy Partners (KMEP) was struck by a backhoe used by Mountain Cascade Inc. (MC), a contractor operating in the construction of a water pipeline for the East Bay Municipal Utility District (EBMUD). A massive gasoline spill was subsequently ignited, resulting in an explosive fireball that caused the deaths, by burns, of four workers and one supervisor and the severe injury of five others. A Kinder Morgan worker had misread an as built map, and had incorrectly marked the pipeline's route before the accident.^[107]
- 2004 On November 21, a 14-inch petroleum products pipeline sprung a leak while it was shipping gasoline in the Mohave Desert. The Calnev Pipeline, owned and operated by the California-Nevada Pipeline Company, a subsidiary of Kinder-Morgan Energy Partners, is the main source of petroleum fuel products for Las Vegas, Nevada. An 80-foot (24 m) geyser of gasoline was discovered on the next morning, after numerous complaints of a strong gasoline odor along Interstate 15 in northern San Bernardino County, CA.^{[108][109]}
- 2004 Employees were performing maintenance on a propane pipeline near Mantador, North Dakota on December 15, when a gasket on the pipeline's valve failed, causing a leak. Nearby resident were evacuated, and a rail line was shut down temporarily. There were no injuries.^[110]
- 2004 As much as 5,000 gallons of crude oil spilled on December 24 from a ConocoPhillips pipeline south of Laurel, Montana near the Yellowstone River. Hydrogen sulfide gas from the oil could have posed a major danger, but "the wind helped immensely to dissipate the gas."^[111]
- 2005
- 2005 In January, a Mid-Valley owned and Sunoco operated pipeline ruptured, spilling 260,000 US gallons (980,000 L) of oil into the Kentucky and Ohio rivers. The U.S. Environmental Protection Agency fined the companies \$2.5 million for the spill.^[112]
- 2005 On January 18, an Enbridge pipeline failed from temperature problems, causing a spill of 100 barrels of crude oil in Bay City, Michigan. The pipe was just 2 years old at the time.^{[113][114]}
- 2005 On January 26, a Mid Valley 22 inch pipeline ruptured in Carrollton, Kentucky, spilling about 290,000 gallons of crude oil. Some of the crude entered the Ohio River. The pipe failure was caused by earth movement.^{[114][115]}
- 2005 An ExxonMobil gasoline pipeline fire forced 43 families from their homes near Allentown, Pennsylvania on February 1. The fire burned for over 72 hours. There were no reported injuries.^{[116][117]}
- 2005 On or about February 28, 2005, approximately 2,497 barrels of Jet A Kerosene discharged from a 14-inch TEPPCO pipeline, reaching the Big Cow Creek, flowing into the Sabine River, near Newton, Texas. The discharge was caused by the over-tightening of a coupling at a 3/8-inch cooling line at the top of a 14-inch mainline pump.^[118]
- 2005 On March 16, a crew installing a communications cable nicked a gas distribution pipeline in Moon Township, Pennsylvania. The crew then notified the local One Call for digging center, but, failed to alert first responders. 2 hours after the nick, gas exploded in a home, burning 2 teenagers there.^[119]
- 2005 A Kinder Morgan Energy Partners petroleum products pipeline is found leaking gasoline near Truckee, California on April 1. Gasoline spread into Donner Creek.^[119]
- 2005 On May 13, an underground natural gas pipeline exploded near Marshall, Texas, sending a giant fireball into the sky and hurling a 160-foot (49 m) section of pipe onto the grounds of a nearby electric power generating plant. 2 people were hurt. The OPS concluded that stress corrosion cracking was the culprit.^[120]
- 2005 On May 13, the 30 inch Seaway Pipeline, operated by TEPPCO at the time, failed in Bryan County, Oklahoma, spilling proximately 898 barrels of crude oil. Oil reached Eastman Creek. The discharge was caused by a 6-inch longitudinal seam split on the pipeline that resulted from a stress crack that may have been induced by conditions occurring during rail transport of the pipe, and enlarged by pressure-cycle-induced stresses over years of operation of the pipeline.^{[121][122]}
- 2005 On May 23, a Magellan Pipeline petroleum products pipeline broke near Kansas City, Kansas, spilling gasoline into the nearby Missouri River. About 2,936 barrels of gasoline were spilled, with about 2,400 barrels being lost.^{[122][123]}
- 2005 A 12-inch (300 mm) Kinder Morgan Energy Partners pipeline ruptured in El Paso, Texas on May 28, releasing gasoline.^[124]
- 2005 Hurricane Katrina caused a protective levee to fail near Nairn, Louisiana, causing a Shell 20-inch pipeline to rupture on August 29. About 13,400 gallons were spilled, with about 10,500 gallons of this spill reaching the shoreline, and coastal marshes.^[125]
- 2005 A pipeline pumping station employee was killed in Monroe, Ohio, when leaking propane was ignited and exploded by an arcing pump on September 19. Flames reached 300 feet (91 m) high in the following fire.^{[126][127]}
- 2005 A natural gas compressor station exploded near Rifle, Colorado on December 6, about 200 yards from Interstate 70. There was only one minor injury to a nearby truck driver.^[128]
- 2005 On December 13, workers removing an underground oil tank in Bergenfield, New Jersey undermined a 1 1/4-inch steel gas pipeline. The gas line later failed, causing an explosion. Three residents of a nearby apartment building were killed. Four other residents and a tank removal worker were injured. Failure to evacuate the apartment building after the gas line ruptured was listed as a contributing factor.^[129]
- 2006
- 2006 On February 28, a gas compressor station explosion severely burned a worker, and set off a raging fire near DeBeque, Colorado. A second explosion at that site soon after caused no injuries.^[130]
- 2006 The Prudhoe Bay oil spill: On March 2, a surveillance crew discovered a crude oil spill from a BP crude pipeline near North Slope Borough, Alaska. The pipeline failure resulted in a release currently estimated at 5,000 barrels (790 m³) of processed crude oil, impacting the arctic tundra and covering approximately 2 acres (8,100 m²) of permafrost. The pipeline's leak detection system was not effective in recognizing and identifying the failure. Failure to run cleaning pigs to remove internal corrosive build up. The failure caused crude oil price to spike throughout the World.^{[131][132]}

- 2006 On March 23, a pipeline failed west of Toledo, Ohio, spilling about 200 barrels (32 m³) of unleaded gasoline. During the repair work, another smaller nearby leak was also found.^[133]
- 2006 On April 17, a Plantation Pipeline line experienced a failure in Henrico County, near Richmond, Virginia. The failure resulted in the release of 23,226 gallons of jet fuel in a residential area. The jet fuel sprayed for approximately 14 minutes and the spray traveled the distance of approximately 200 feet (61 m). The jet fuel did not ignite.^{[134][135]}
- 2006 On June 27, a Koch Industries pipeline carrying crude oil failed near the town of Little Falls, Minnesota. The pipeline estimated that approximately 3,200 barrels (510 m³) of crude oil were released. The pipeline failed from previous mechanical damage to the pipeline.^{[136][137]}
- 2006 On July 22, a Tennessee Gas Pipeline Company gas transmission pipeline ruptured, resulting in an estimated release of 42,946,000 cu ft (1,216,100 m³) of natural gas near Clay City in Clark County, Kentucky. The gas ignited, but there were no injuries, and just minor property damage. External corrosion was suspected.^{[138][139]}
- 2006 A Kinder Morgan petroleum pipeline failed in Romeoville, Illinois on August 12. About 59,000 US gallons (220,000 L) of butane were lost. External corrosion was the cause, but there were no injuries.^{[140][141]}
- 2006 On September 29, a crew replacing an old pipeline hit a high pressure gas pipeline in Labette County, Kansas, killing a crewman. Resident with a mile of the incident were evacuated for a time.^[142]
- 2006 On October 12, a pipeline exploded when a tugboat pushing two barges hit that pipeline Thursday in West Cote Blanche Bay, about two miles (3 km) from shore and 100 miles (160 km) southwest of New Orleans, Louisiana. 4 crew members were killed, and 2 were missing and later presumed dead.^{[143][144]}
- 2006 An ammonia pipeline failed from corrosion near Clay Center, Kansas on October 25, releasing about 4500 barrels of ammonia. 2 people were injured by the fumes.^[145]
- 2006 A jet-black, 300-acre (1.2 km²) burn site surrounded the skeletal hulk of a bulldozer that struck a natural-gas pipeline during construction of another pipeline, on November 11, and produced a powerful explosion near Cheyenne, Wyoming. The bulldozer operator was killed. The company building the new pipeline was fined \$2.3 million for failing to obtain a locate on the other pipeline.^{[146][147]}
- 2006 On or about November 27, 2006, approximately 97 barrels of gasoline were discharged from a portion of Plantation Pipeline in Mecklenburg County, North Carolina, into Paw Creek and its adjoining shorelines. The leak resulted from a failed gasket on an above-ground block valve.^[1]
- 2006 On December 19, a lineman for Midwest Energy hit a natural gas transmission pipeline near Mason, Michigan. The lineman was killed in the following explosion & fire.^{[148][149]}
- 2006 A Plains All American Pipeline ruptured on December 24, spilling about 23,856 gallons of crude oil in the Gulf of Mexico, about 30 miles southeast of Galveston, Texas.^{[150][151]}
- 2007
- 2007 On January 1, an Enbridge pipeline that runs from Superior, Wisconsin to near Whitewater, Wisconsin failed, resulting in a spill of 1,500 barrels of crude oil onto farmland and into a drainage ditch. Incomplete fusion of a longitudinal weld at the pipe maker that failed as pressure cycle was established as the cause.^{[152][153]}
- 2007 On February 2, a construction crew struck an Enbridge pipeline in Rusk County, Wisconsin with equipment, spilling 4,800 barrels (760 m³) of crude oil, of which only 2,066 barrels were recovered.^[154] Some of the oil filled a hole more than 20 feet (6.1 m) deep and was reported to have contaminated the local water table.^[155]
- 2007 On Feb 17, in a rural area of Harris County, Texas, a Tennessee Gas Pipeline transmission pipeline was damaged, and later exploded and burned. Grass fires spread across a three-square mile rural area. There were no injuries.^{[156][157]}
- 2007 On March 29, 2007, near Yutan, Nebraska, a pipeline was hit by construction equipment. About 1,697 barrels of natural gasoline was lost.^[158]
- 2007 May 16: 63,000 US gallons (240,000 L) of gasoline spilled into an old stripping pit that covers a three-acre area in Coal Township, Pennsylvania. The Kerris and Helfrick company owns the property where the gas leak occurred, and the excavator, was working for the company when he accidentally ruptured the Sunoco Logistics 14-inch petroleum pipeline. The gasoline was mostly absorbed into areas of soil, fill and coal strippings at the site.^[159] Several residents made U.S. Rep. Christopher P. Carney aware of complaints about gasoline odors in residential basements. "Moreover, many residents are legitimately concerned about groundwater contamination as well as a host of future problems associated with the spill," Carney wrote to Department of Environmental Protection Secretary Kathleen McInty.^[160] The pipeline was installed in 1964 by the Atlantic Richfield Co.(ARCO) and purchased in 1990 by Sunoco. On Sept 29, the PADEP Environmental Cleanup program finalized a consent order and agreement with Mallard Contracting, which included a \$45,000 civil penalty covering both DEP's response costs and a fine for violations of the Pa. Solid Waste Management Act.^[161]
- 2007 The 2007 New York City steam explosion, on July 18,
- 2007 In August, a gas compressor turbine caught fire inside BP's Gathering Center 1 in Alaska, after an oil hose ruptured and spewed flammable liquid across the motor. A mechanic on patrol in the facility—seeing smoke—fled the room as the turbine burst into flames. Automatic fire and gas alarms were never triggered. A subsequent investigation by Alaska state authorities found that a ruptured hydraulic oil hose was jerry-rigged in a position that chafed against the turbine's hot engine. The investigation also found that the facility's fire and gas detectors were not powered on at the time.^[162]
- 2007 On October 8, a gas pipeline at a gas storage facility in Salem, Michigan ruptured & caught fire. Siding was melted on nearby homes.^[163]
- 2007 An ethylene pipeline explosion early on October 18, was heard for miles around Port Arthur, Texas, waking residents. The following fire spread to a nearby butadiene pipeline, causing it to rupture and burn. Later, over 300 residents sued the pipeline's owners for health issues claimed to be caused from the chemicals released by the accident. External corrosion of the ethylene pipeline caused the first pipeline failure.^{[164][165]}
- 2007 A 12-inch propane pipeline exploded, killing two people, and injuring five others, near Carmichael, Mississippi on November 1. The NTSB determined the probable cause was an LF-ERW seam failure. During hydrostatic testing of the pipeline after repair, another LF-ERW seam failed nearby. Inadequate education of residents near the pipeline about the existence of this pipeline, and how to respond to a pipeline accident, were also cited as factors in the deaths.^[166]

- 2007 On November 12, three teen boys drilled into an ammonia pipeline in Tampa Bay, Florida, causing an ammonia leak, and later claimed they did it due to stories of money being hidden inside that pipeline. The leak took 2 days to be capped. One of the teens had serious chemical burns from the ammonia. Residents within a half miles from the leak were evacuated. PHMSA later noted the pipeline company failed to adequately pre-plan for emergencies with the local Fire Agency, as required by CFR 195.402(c)(12)^[167]
- 2007 On November 13, 2007, Enbridge discovered a leak on their 34-inch Line 3 at Mile Post 912, near Clearbrook, Minnesota. Later, the pipeline exploded during repairs, on November 27, causing the deaths of two employees. DOT officials said that two Enbridge workers died in a crude oil explosion as they worked to make repairs on the former Lakehead system pipeline. Enbridge was cited for failing to safely and adequately perform maintenance and repair activities, clear the designated work area from possible sources of ignition, and hire properly trained and qualified workers.^{[168][169]}
- 2007 Two men were driving east in a pickup truck on Interstate 20 Near Delhi, Louisiana, when a 30-inch gas transmission pipeline exploded. One of the men were killed, and the other injured. External corrosion was later identified as the cause of the failure.^{[170][171]}
- 2008
- 2008 A pipeline ruptured at a fillet weld, leaking natural gasoline in Oologah, Oklahoma on January 5, 2008. 690 barrels of the gasoline were lost.^{[172][173]}
- 2008 A pipeline split open on January 7, near Denver City, Texas, spilling 1.3 million US gallons (4,900 m³) of crude oil. The pipeline company failed to detect and stop the leak for more than 24 hours. ERW seam failure appears to be the cause.^{[174][175]}
- 2008 A natural gas pipeline compressor station exploded and caught fire on February 5, near Hartsville, Tennessee, and was believed to have been caused by a tornado hitting the facility.^[176]
- 2008 On February 15, a 20-inch gas pipeline exploded and burned in Hidalgo County, Texas, closing road FM490.^[177]
- 2008 In an explosion that could be felt for miles, a home in a Columbia, Missouri neighborhood exploded on March 14, causing fatal injuries to the elderly couple living there. Problems with the gas distribution line there were blamed for the explosion. Another home nearby also suffered damage.^[178]
- 2008 A crew boring to install a new gas main hit an existing 4-inch gas line in McKinney, Texas on May 16. Escaping gas caused 2 homes to explode, and 1 other home to catch fire. 3 people were burned from this incident.^[179]
- 2008 On July 28, the U.S. District Court for the Southern District of Illinois ordered Apex Oil Company Inc., to clean up ground water and soil contamination, at an expected cost of at least \$150 million. During the period 1967 through 1988, Apex Oil's legal predecessor, Clark Oil and Refining Corp., released gasoline from leaking pipelines and other spills, that commingled with other responsible parties' releases and resulted in the large plume of refined petroleum substances beneath Hartford, Illinois. Vapors from the underground plume of millions of gallons of leaked and spilled petroleum products have migrated into homes in the village, causing years of fires, explosions, and evacuations.^[180]
- 2008 A 20-inch crude oil pipeline ruptured near Golden Gate, Illinois on August 10. About 243,000 gallons of crude were spilled, with about 33,000 gallons being lost. The cause was listed as a pipe seam failure.^{[181][182][183]}
- 2008 A 36-inch gas pipeline failed near Stairtown, Texas on August 28, causing a fire with flames 400 feet (120 m) tall. The failure was caused by external corrosion.^{[184][185]}
- 2008 On August 29, a 24-inch gas transmission pipeline ruptured in Cooper County, Missouri. Corrosion had caused the pipeline to lose 75% of its wall thickness in the failure area.^[186]
- 2008 Workers constructing a new pipeline hit an existing natural gas pipeline in Wheeler County, Texas, on September 9. 2 workers were burned by this accident.^[187]
- 2008 A 30-inch Williams Companies gas pipeline ruptured and gas ignited near Appomattox, Virginia on September 14. 2 homes were destroyed by the fire. External corrosion was the cause of the failure.^{[188][189]}
- 2008 A ruptured pipeline causes a fire at a Pipeline Terminal in Pasadena, Texas on September 23. One worker was killed, and another injured, with about 190,000 US gallons (720,000 L.) of product being lost. The failure was caused by internal corrosion.^{[190][191]}
- 2008 On October 3, a crew working on a Turnpike expansion drill into a petroleum products pipeline in Hamilton, New Jersey. Over 25,000 US gallons (95,000 L.) of diesel fuel were spilled.^[192]
- 2008 On October 3, construction equipment hit a Mid Valley Pipeline Company pipeline in Florence, Kentucky, spilling 3,650 barrels of crude oil.^[193]
- 2008 On the night of November 15, a gas compressor for a pipeline at an entry exploded and burned near Godley, Texas. The fire spread to another company's gas compressor station next to it. A 24-inch gas pipeline had to be shut down to stop the fire. There were no injuries, and damages were estimated at 2 million dollars.^[194]
- 2008 A gasoline release from a petroleum pipeline occurred on November 25, at a retail mall in Murrysville, PA. Officials said the release occurred from the 6-inch line at about 9:30 a.m. while a Sunoco Logistics crew was working on a ball valve.^[195] The failure resulted in the evacuation of numerous stores, restaurants and roads in the immediate vicinity due to the dousing of gasoline and subsequent vapors emitting from the 11,760 US gallons (44,500 L.) of spilled product.^[196]
- 2009
- 2009 On January 4, 2009, a 6.625-inch storage well line operated by Columbia Gas Transmission Company in Elk View (near Charleston), Kanawha County, WV, ruptured due to internal corrosion pitting complicated by low impact toughness of the pipe material, causing \$29,011 in damage.^[197]
- 2009 An accidental massive gas release at Pump Station 1 of the trans-Alaskan pipeline (Atyaska Pipeline Service Company) on January 15 threatened the site at the time. The company that runs the pipeline acknowledges a fire or explosion, had the gas ignited, could have imperiled the station's 60-plus workers and caused "an extended shutdown" of oil fields. There was no ignition or explosion. The incident occurred as BP workers used a cleaning device called a pig to swab oil out of an old pipeline the company was preparing to decommission. The 34-inch pipe was among major Prudhoe trunk lines found in 2006 to be ravaged with corrosion, due to BP's admitted lack of proper maintenance. A large volume of gas then bypassed the pig somehow, and rushed to Pump Station 1, a key asset through which every drop of oil coming off the North Slope must pass.^[198]