

Part III:

Pipeline Bursts:

Their *Causations*,

and the

Deaths, Bodily Injuries,

& Economic *and* Ecological Damages

they Inflicted

2013 – 2014

As recorded by the U.S. Department of Transportation's
Pipeline & Hazardous Materials Safety Administration

(www.phmsa.dot.gov/staticfiles/PHMSA/PipelineFailureReports)

Other sources cited, where applicable.

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2013

- On January 1, **a Colonial Pipeline line was overpressured by improper operation, causing a spill of about 5,500 gallons of petroleum product** in Greensboro, North Carolina. **About 1,000 gallons of product was not recovered.**¹
- On January 15, **a utility crew struck and ruptured a 4-inch gas pipeline** in Lewisville, Texas, causing a nearby house to explode later on. The explosion killed a man.²
- **An independent contractor installing fiber-optic cable for a cable company** in Kansas City, Missouri **inadvertently struck an underground gas line** on February 19. **Gas later caught fire, and created an explosion** that destroyed a popular local restaurant, killing one of the workers there, and injuring about 15 others near the scene.^{3 4}
- **A tug towing a barge struck and ruptured a Chevron LPG pipeline** at Bayou Perot, a marshy area on the borders of Jefferson Parish and Lafourche Parish, Louisiana on March 12. The tug Captain was severely burned when the escaping gas ignited, and died several weeks later from those injuries.^{5 6}
- On March 8, **pipeline equipment failure resulted in a spill of 6,000 barrels of crude oil**, in eastern Columbia County, Arkansas.⁷
- On March 18, **a Chevron 8-inch petroleum products pipeline ruptured along a seam, spilling Diesel fuel into Willard Bay State Park** near Ogden, Utah. **Wildlife was coated with Diesel. About 25,000 gallons of Diesel were spilled, contaminating the ecosystem.**^{8 9}
- A Williams Companies **24-inch gas gathering pipeline failed** in Marshall County, West Virginia on March 22.¹⁰

1 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration:**

http://primis.phmsa.dot.gov/comm/reports/operator/OperatorIM_opid_2552.html?nocache=7343#_Incidents_tab_3

2 **Wendy Hundley, The Dallas Morning News, January 2013:**

<http://www.dallasnews.com/news/lewisville/2013/01/15/investigation-of-deadly-lewisville-explosion-continues>

3 **Mike Farrell, Multichannel News, 2-21-2013:** <http://www.multichannel.com/news/cable-operators/cable-contractor-involved-kc-gas-explosion/326000>

4 **Dave Helling, The Kansas City Star, 8-15-2013:**

<http://www.kansascity.com/news/local/article325355/OSHA-cites-drilling-company-in-fatal-explosion-at-JJ%E2%80%99s-restaurant.html>

5 **Reuters U.S., 3-13-2013:** <http://www.reuters.com/article/us-coastguard-idUSBRE92C0YB20130313>

6 **United Press International, 4-11-2013:** http://www.upi.com/Top_News/US/2013/04/11/Tug-captain-dies-of-burns-sustained-in-Louisiana-gas-explosion/UPI-68731365703619/

7 **Magnolia Reporter, 5-15-2016:**

http://www.magnoliareporter.com/news_and_business/local_business/article_7203fa0e-1ae8-11e6-bcb6-dbbaed627cc2.html

8 **Judy Fahys, The Salt Lake Tribune, 4-5-2013:** <http://archive.sltrib.com/story.php?ref=sltrib/news/56068519-78/state-pipeline-willard-diesel.html.csp>

9 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 3-22-2013:**

http://phmsa.dot.gov/staticfiles/PHMSA/DownloadableFiles/Files/520135006H_cao_03222013.pdf

10 **Reuters, Oil Report, 3-22-2013:** <http://uk.reuters.com/article/gas-pipeline-explosion-idUKL1N0CE9MO20130322>



PHOTO: “Firefighters and paramedics on the scene of a pipeline explosion in Kansas City, Missouri - 1 man was killed and 15 other people were injured”:
<http://www.kansas.com/news/article1113459.html>

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- The 2013 Mayflower **oil spill occurred when ExxonMobil's 20-inch Pegasus crude oil pipeline spilled** near Mayflower, Arkansas on March 29, **causing crude to flow through yards and gutters, and towards Lake Conway. Wildlife was coated in some places.** Twenty-two houses were evacuated, due to the fumes and fire hazard. **Some estimates say the total amount spilled could reach upwards of 300,000 gallons of diluted bitumen were spilled. Hook cracks and extremely low impact toughness in the LF-ERW seam of the pipe were identified as causes of the failure.**^{11 12 13}
- On April 4, **an explosion and fire occurred at a gas compressor station** near Guthrie, Oklahoma.¹⁴
- A **flash fire at a pipeline gas compressor station broke out when natural gas liquids ignited** in Tyler County, West Virginia on April 11, seriously burning three workers, two of whom later died. **The workers were performing pipeline pigging operations.**¹⁵
- On April 30, the Pegasus **oil pipeline spilled a small amount of crude into a residential yard** in Ripley County, Missouri, **a month after the same pipe spewed thousands of barrels of crude** in Arkansas. Oil spilled in Missouri.¹⁶
- On May 9, **Diesel fuel was detected to be leaking from a Marathon pipeline** in Indianapolis, Indiana. **Over 20,000 gallons of Diesel leaked, at a slow rate that was not detected by SCADA systems.** Cleanup cause a nearby major road to be shut down for five days.¹⁷
- Late night on May 14, **an explosion and fire hit a Williams Companies gas compressor station** near Brooklyn Township, Pennsylvania.¹⁸
- On May 8, the Kinder Morgan Tejas **pipeline compressor station** near Crockett, Texas, **required an emergency shutdown and subsequently had a fire that caused \$7,502,188 in property damage.**^{19 20}

11 **The Huffington Post, 4-9-2013:** http://www.huffingtonpost.com/2013/04/09/rachel-maddow-mayflower-oil-spill-exxon_n_3047331.html?ir=Green

12 **KARK 4 News, 3-30-2013:** http://archive.is/20130410125438/http://arkansasmatters.com/fulltext?nxd_id=649812

13 **THV 11, 7-11-2013:**
<https://web.archive.org/web/20131028010051/http://www.thv11.com/news/article/271392/2/Exxon-Cause-of-pipeline-failure--manufacturing-defects>

14 **Heather Hope, News 9, 4-5-2013:** <http://www.newson6.com/story/21895135/witnesses-describe-logan-county-gas-explosion>

15 **News 9, 4-16-2013:** <https://web.archive.org/web/20130714111743/http://www.wtov9.com/news/news/2nd-worker-dies-result-tyler-co-pipeline-explosion/nXNHZ/>

16 **Reuters, Market News, 5-1-2013:** <http://www.reuters.com/article/exxon-pipeline-spill-idUSL2N0DI14U20130501>

17 **Industrial Safety and Security Source, 2-21-2014:** <http://www.isssource.com/pipeline-incidents-over-the-years/>

18 **Chelsea Bishop & Dave Greber, WBNG 12, 5-15-2013:** <http://www.wbng.com/news/local/Late-night-gas-compression-explosion-207490961.html>

19 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration:**
<http://primis.phmsa.dot.gov/comm/StatePages/Texas.htm>

20 **Skytruth, 5-8-2013:** <http://alerts.skytruth.org/report/05f2642d-8a93-3b6f-bbac-9c57a37b>

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- On May 30, two construction workers were injured, when a **fire erupted during welding at a Williams Companies natural gas facility** in Hunterdon County, New Jersey.²¹
- ^A **12-inch gas transmission pipeline failed** near Torrington, Wyoming on June 13. **LF-ERW seam failure was suspected as cause**.²²



PHOTO: “A gas compressor station that ignited on fire in Tyler County, West Virginia, badly burning 3 men – two of whom died later”: <https://wvaccidentlawyer.org/2013/04/12/gas-well-compression-station-fire-in-tyler-county-wv/>

21 **Sergio Bichao, Central Jersey, 5-31-2013:**

<https://web.archive.org/web/20141024102014/http://www.mycentraljersey.com/article/20130530/NJNEWS/305300063/?gcheck=1>

22 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 6-19-2013:**

http://www.phmsa.dot.gov/staticfiles/PHMSA/DownloadableFiles/Enforcement%20Notices/520131007H_COA.pdf

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- On June 18, in Washington Parish, Louisiana, a Kinder Morgan Florida Gas Transmission Company **30" diameter pipeline ruptured and exploded** before dawn, jolting residents out of their beds. 55 homes were evacuated. **The blast knocked down trees in an area about 200 yards across and the fire burned those within another 300 yards. "The ground around the crater is completely bare. The dirt around it is just like it had been cooked in a kiln," and an 80-foot section of pipe was destroyed.**²³
- On July 4, **a fire involved a gas compressor and a nearby ruptured 2-inch gas pipeline** in Gilmore Township, Pennsylvania.²⁴
- An **8-inch natural gas pipeline released gas from a rupture at 1,400 psi**, for 90 minutes in New Franklin, Ohio on July 22, forcing 75 people to evacuate the area. Afterward, the **local Fire Chief said that pipeline owners refused to give information to first responders in previous requests.**²⁵
- Early on July 23, **a downed 13,000 volt power line sparked a massive gas fire** in Mamaroneck, New York **when a gas main was damaged by the electricity**. Three automobiles were destroyed.²⁶
- On July 26, **a leaking BP 20-inch crude oil pipeline spilled 50 to 100 barrels of crude oil** in Washington County, Oklahoma. **Crude spilled into a drainage ditch leading to a water reservoir.**²⁷
- On the evening of August 12, a **10-inch NGL pipeline exploded and caused a massive propane-ethane mix fire** in Erie, Illinois.²⁸
- **A leak developed on a valve on Loughorn Pipeline** in Austin, Texas **during maintenance** on August 14, **spilling about 300 gallons of crude oil.**²⁹
- **Atmos Energy crews dug into a 4-inch gas pipeline** in Overland Park, Kansas on September 2, **causing an explosion and fire.**³⁰

23 **Heather Nolan & Danielle Bell, Nola/ The Times-Picayune, 6-18-2013:**

http://www.nola.com/traffic/index.ssf/2013/06/gasline_explosion_reported_in.html

24 **Observer-Reporter Green County News, 7-5-2013:** <http://www.observer-reporter.com/article/20130705/NEWS02/130709662/-1/NEWS#.Uf3z46y0SB8>

25 **Kathy Antoniotti, Beacon Journal, 8-3-2013:** <http://www.ohio.com/news/city-not-privy-to-pipeline-locations-inside-own-borders-1.418507>

26 **CBS New York, 7-23-2013:** <http://newyork.cbslocal.com/2013/07/23/fire-crews-battle-blaze-in-mamaroneck/>

27 **Oklahoma's Own News on 6, 7-26-2013:** <http://www.newson6.com/story/22944566/crews-working-to-halt-bp-pipeline-leak-in-washington-county>

28 **Sarah Lowry, Protecting Our Waters, 9-9-2013:** <https://protectingourwaters.wordpress.com/2013/09/09/exploding-cornfield-natural-gas-pipeline-turns-into-fireball-on-farm/>

29 **KEYE TV, 8-15-2013:** <https://web.archive.org/web/20130827010346/http://www.keyetv.com/news/features/top-stories/stories/pipeline-releases-oil-circle-c-neighborhood-11233.shtml>

30 **Industrial Safety and Security Source, 2-21-2014:** <http://www.issource.com/pipeline-incidents-over-the-years/>

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- A **10-inch gas gathering pipeline ruptured and burned** in Newton County, Texas on September 21.³¹
- On September 24, a Denton TX **city water utility worker ruptured a 1/2-inch gas pipeline** in Denton, Texas, **which immediately caused a fire** that gave the worker minor burns.³²



PHOTO: “Fire from a pipeline explosion in Washington Parish, Louisiana - 55 homes were evacuated; the blast knocked down trees in an area about 200 yards across and the fire burned those within another 300 yards”:

<https://stop81pipeline.files.wordpress.com/2013/08/washingtonparishexplosion13-copy.jpg>

31 **Tim Monzingo, Beaumont Enterprise, 4-24-2013:** <http://www.beaumontenterprise.com/news/article/Gas-line-not-yet-repaired-after-explosion-in-Buna-4838918.php>

32 **Megan Gray, Denton Record-Chronicle, 4-24-2013:** <http://www.dentonrc.com/local-news/local-news-headlines/20130924-city-worker-hits-gas-line.ece>

- **A farmer near Tioga, North Dakota smelled oil for several days, before discovering a leaking 6-inch 20-year-old Tesoro pipeline under his wheat field, on September 29. The spill size was estimated at 865,000 gallons, and covered over seven acres. Corrosion was suspected as being the cause. Governor Jack Dalrymple said he wasn't told of the spill until October 9.** In May 2014, **it was announced that it would 2 1/2 more years before the spilled crude would be cleaned up.**^{33 34}
- On October 7, a **gas pipeline burst** in Howard County, Texas. **Dangerous hydrogen sulfide in the gas forced evacuations** of nearby residents.³⁵
- On October 7, authorities were notified of a **Lion Oil Trading and Transportation crude oil pipeline leak** in Columbia County, Arkansas. **It was estimated that the leak started on September 21. Oil spread into a Horsehead Creek tributary.**³⁶
- A **30-inch Northern Natural Gas pipeline exploded and burned** in Harper County, Oklahoma on October 8. **220 feet of the pipe was ejected from the ground. Flames were seen for a number of miles,** and four houses nearby were evacuated. Oklahoma Highway 283 was closed for several hours.^{37 38 39}
- On October 29th, a Koch Industries **8-inch pipeline spill about 400 barrels of crude oil** near Smithville, Texas. **The oil polluted a private stock pond and two overflow reservoirs.**⁴⁰

33 **Yahoo News, 10-11-2013:** <https://www.yahoo.com/news/corrosion-may-led-north-dakota-pipeline-leak-regulator-185854060--finance.html?ref=gs>

34 **James MacPherson, Daily Reporter Greenfield Indiana, 5-24-2015:**
<https://web.archive.org/web/20150615215044/http://www.greenfieldreporter.com/view/story/121ae083847f4744a934a459c9e0d09d/ND--ND-Pipeline-Break-Cleanup>

35 **Mike Henry, News West 9:** <http://www.newswest9.com/story/23630636/officials-working-pipeline-explosion-in-howard-county>

36 **Mike McNeill, Magnolia Reporter, 10-11-2013:**
http://www.magnoliareporter.com/news_and_business/local_news/article_af1148dc-32b2-11e3-b1ce-001a4bcf887a.html

37 **Oklahoma's Own News 9, 10-9-2013:** <http://www.news9.com/story/23650973/resident-recalls-pipeline>

38 **Associated Press, 10-9-2013:** <http://www.csmonitor.com/Environment/Latest-News-Wires/2013/1009/Pipeline-explosion-shoots-flames-into-Oklahoma-sky>

39 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 10-11-2013:**
http://primis.phmsa.dot.gov/comm/reports/enforce/documents/420131016H/420131016H_Corrective%20Action%20Order_10112013_text.pdf

40 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 10-11-2013:**
http://primis.phmsa.dot.gov/comm/reports/enforce/documents/420131016H/420131016H_Corrective%20Action%20Order_10112013_text.pdf



PHOTO: “Oil spill in Tioga, North Dakota from a 20 year old pipeline - 865,000 gallons were spilled, but Governor Jack Dalrymple did nothing until 2 1/2 years later”: <https://popularresistance.org/over-865200-gallons-of-fracked-oil-spill-in-nd-public-in-dark-for-days/>

- A Chevron operated **10-inch LPG pipeline was ruptured by contractors for the company installing a Cathodic protection system**, near Milford, Texas, on November 14, **causing a large fire**, and forcing the evacuation of Milford and 200 students of a nearby school.^{41 42}
- An ExxonMobil **gas plant exploded and burned** on November 17, near Kingsville, Texas. **The plant burned for over a day.**⁴³
- On November 18, a **gas pipeline burst** near Ranger, Texas, causing a fire in a field, **with flames reaching 100 feet high**. Some houses nearby were evacuated for a time. **The owner of the pipeline, Hanlon Gas, had been installing a new compressor station, and they believe a malfunction led to the rupture and fire.**⁴⁴
- On November 28 a **30-inch Panhandle Eastern natural gas pipeline exploded** in Hughesville, Missouri causing several nearby buildings to catch fire. **Metallurgical examination determined the root cause of the failure to be corrosion.**⁴⁵
- On December 9, a **2-inch pipe on a propane dehydrator failed** at the Dixie Pipeline Terminal in Apex, North Carolina.⁴⁶
- A Sunoco **pipeline was found leaking gasoline** on December 20, near Coal Township, Pennsylvania, **from external corrosion**. **The initial spill size was reported as two gallons, but, later on, 480 tons of soil were removed as part of the remediation of that leak.**^{47 48}

41 **Reuters Energy, 11-15-2013:** <http://in.reuters.com/article/energy-pipeline-explosion-idINL2N0IZ1F320131114>

42 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 5-21-2014:**
http://primis.phmsa.dot.gov/comm/reports/enforce/documents/420145012/420145012_NOPV%20PCP%20PCO_05212014_text.pdf

43 **Jonathan Munson, KIII TV South Texas, 11-26-2013:** <http://www.kiiitv.com/news/exxonmobils-king-ranch-gas-plant-continues-burning-after-overnight-fire/274025614>

44 **Big Country Homepage, 11-19-2013:**
https://web.archive.org/web/20141023113953/http://www.bigcountryhomepage.com/story/gas-pipeline-rupture-send-flames-100-feet-into-air/d/story/cFdS71R_kEeMi0TUv8vasw

45 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 12-24-2014:**
http://primis.phmsa.dot.gov/comm/reports/enforce/documents/320141008S/320141008S_Notice%20of%20Proposed%20Safety%20Order_12242014.pdf

46 **WNCN, 12-9-2013:**
<https://web.archive.org/web/20131213094441/http://www.wncn.com/story/24171804/gas-line-leak-reported-in-apex>

47 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration:**
http://primis.phmsa.dot.gov/comm/reports/operator/OperatorIM_opid_18718.html?nocache=8742#_Incidents_tab_4

48 **High Beam Research, 9-6-2014:** <https://www.highbeam.com/doc/1P2-37148150.html>

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- On December 27th, **two natural gas company workers had minor burns when the pipeline they were working leaked, and the escaping gas exploded and ignited in Shrewsbury, Massachusetts. Flames 30 feet high knocked out phone service in the area.**⁴⁹



PHOTO: “Pipeline explosion in Milford, Texas”: <http://slumz.boxden.com/f5/nov-14-chevron-gas-pipeline-explodes-milford-texas-no-injuries-reported-2001920>

⁴⁹ Steven H. Foskett Jr. & Donna Boynton, *Telegram & Gazette*, 12-27-2013: <http://www.telegram.com/article/20131227/NEWS/312279749/1116>

2014

- On January 7, **a Colonial Pipeline line leak from equipment failure** in Fountain Inn, South Carolina, **spilling about 52,000 gallons of petroleum product**, of which **around 8,000 gallons was not recovered**.⁵⁰
- On January 10, **a 12-inch PSNC gas transmission pipeline exploded and burned** in Asheville, North Carolina. **The cause was damage to the pipeline during installation** in 2003. **The costs of property damage was around \$825,000**.⁵¹
- On February 10, a gas pipeline exploded and burned near Tioga, North Dakota.⁵²
- On February 13, **a 30-inch diameter Columbia Gulf Transmission gas pipeline carrying natural gas exploded** near Knifley, Kentucky, **sending two people to the hospital with injuries, destroying two houses, & alarming residents, who saw flames from miles away**. Later, **it was determined that Hydrogen embrittlement had caused the pipe failure**. The pipeline was installed in 1965.^{53 54}
- On February 19, **a leaking gas main caused a gas build up in a nearby rowhouse, that exploded** in [Baltimore, Maryland], **killing one youth, and seriously injuring another walking by the area. 3 other people had minor injuries. The area on the gas main near the leak had been patched twice in previous months**.^{55 56}
- On March 6, **contractors working for Shell Oil Company hit Shell's Houston-to-Houma (Ho-Ho) crude oil pipeline** near Port Neches, Texas, **spilling 364 barrels of crude oil**.⁵⁷
- “2014 East Harlem gas explosion”: on March 12, there was a **gas explosion** in New York City, New York. **NTSB investigators found natural gas in the soil nearby, indicating that the gas leak had existed for a while before the explosion**.⁵⁸

50 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration:**

http://primis.phmsa.dot.gov/comm/reports/operator/OperatorIM_opid_2552.html?nocache=7343#_Incidents_tab_3

51 **Fox Carolina, 1-10-2014:** <http://www.foxcarolina.com/story/24419380/dispatch-gas-explosion-reported-in-enka-nc>

52 **The Associated Press, Daily Reporter Greenfield Indiana, 2-12-2014:**

<https://web.archive.org/web/20140222133632/http://www.greenfieldreporter.com/view/story/9f9d80ef83364d64818f3134913f172a/ND--Tioga-Gas-Explosion>

53 **Marcus Green, WDRB, 9-18-2014:** <http://www.wdrb.com/story/26571543/analysis-existing-cracks-a-cause-in-kentucky-pipeline-blast>

54 **The Associated Press, The Wichita Eagle, 2-13-2014:**

<https://web.archive.org/web/20140222031345/http://www.kansas.com/2014/02/13/3286103/ky-gas-line-blast-hospitalizes.html>

55 **Natural Gas Watch, 3-14-2014:** <http://www.naturalgaswatch.org/?p=2909>

56 **CNN Politics:** <http://www.cnn.com/videos/politics/2016/05/28/rene-marsh-aging-pipelines.cnn/video/playlists/our-environment/>

57 **Break News, 3-7-2014:** <https://web.archive.org/web/20140310083055/http://www.bayoubuzz.com/top-stories/item/623940-shell-says-ho-ho-pipeline-shut-after-leak-in-texas>

58 **CBS New York, 3-14-2014:** <http://newyork.cbslocal.com/2014/03/14/firefighters-continue-search-for-missing-at-east-harlem-blast-site/>

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- On March 18, a **20-inch** Mid-Valley Pipeline Company **pipeline failed** in Hamilton County, Ohio, **spilling at least 364 barrels of crude oil into the adjacent Oak Glen Nature Preserve. Animals in the area were affected.**⁵⁹ ⁶⁰
- On March 18, a **3-inch, half-mile flare waste gas pipeline** in a neighborhood in Arvin, California, **was discovered leaking**, a few blocks from Arvin High School, **in a residential area. It had been leaking for as long as two years.**⁶¹



PHOTO: “Pipeline explosion in Asheville, North Carolina that caused \$825,000 in property damage”: <http://www.foxcarolina.com/story/24419380/dispatch-gas-explosion-reported-in-enka-nc>

59 **WLWT 5, 4-3-2014:** <http://www.wlwt.com/article/oil-spill-cleanup-ending-20-salamanders-being-cared-for-off-site/3541236>

60 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 3-25-2014:**
http://primis.phmsa.dot.gov/comm/reports/enforce/documents/320145002H/320145002H_Corrective%20Action%20Order_03252014_text.pdf

61 **Ruth Brown, Bakersfield, 4-26-2014:** http://www.bakersfield.com/news/arvin-gas-leak-reveals-lack-of-oversight/article_9c839848-1db0-516d-af8b-ec615157561b.html

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- On March 31, **a pipeline running to a Williams Companies LNG storage facility** in Plymouth, Washington **exploded and sent shrapnel flying that ruptured an LNG storage tank. Nearly 1,000 residents were evacuated and at least five employees at the facility were injured.**^{62 63}
- A **12-inch Williams Companies gas pipeline failed at a weld** in Moundsville, West Virginia. **The following explosion and fire explosion scorched trees over a 2-acre area** near Moundsville. Several houses were evacuated as a precaution.⁶⁴
- On April 17, **a private excavator accidentally cut a gas line while doing some work** in Union Township, Licking County, Ohio on April 17. **The man suffered second degree burns to the upper portion of his body.**⁶⁵
- On April 23, **an explosion and fire hit a Williams Companies gas processing plant** in Opal, Wyoming. **All 95 residents of the town were evacuated, and part of US Highway 30 was closed for a time.**^{66 67}
- On May 6, Sinclair Oil Corporation **pipeline operators detected a pressure drop on a pipeline, with the problem being traced two days later to a leak** in Knox County, Missouri. **A mixture of gasoline and Diesel fuel contaminated soil on a farm.**⁶⁸
- On May 12, **three workers** from Plantation Pipeline **inadvertently ruptured their pipeline at a pump station** in Anderson County, South Carolina, **causing a geyser of gasoline, and spraying the workers with it. The workers had to be decontaminated at a hospital.**⁶⁹
- On May 17, at Port St. John, Florida, Kinder Morgan's 36" Florida Gas Transmission **pipeline ruptured**, forcing evacuation of 7 homes and halting train traffic through Brevard Co. for 3 hours near the Florida Power & Light plant. Florida Gas Transmission workers searched for a leak when pressure dropped in the line. Homes, vehicle & train traffic were reopened after the remaining **gas escaped from the pipe.** This pipeline failure **caused \$177,321 in property damage.**⁷⁰

62 **Ryan Koronowski, Think Progress, 3-31-2014:** <https://thinkprogress.org/massive-explosion-rocks-washington-state-natural-gas-plant-f189c55327e2#.road4vvui>

63 **Williams Companies, 4-22-2014:** <https://web.archive.org/web/20140701204335/http://co.williams.com/williams/news-media/plymouth-wa-update/>

64 **Associated Press, The Inter Mountain, 4-24-2014:** <https://web.archive.org/web/20140517130357/http://www.theintermountain.com/page/content.detail/id/493996/Company-won-t-be-cited-for-W-Va--pipeline-blast.html?isap=1&nav=5023>

65 **Emily Maddern, Newark Advocate, 4-18-2014:** <https://web.archive.org/web/20141006083948/http://www.newarkadvocate.com/article/20140417/NEWS01/304170014/Natural-gas-line-ruptures-Union-Township-man-taken-hospital>

66 **Local 8 News, 4-23-2014:** <https://web.archive.org/web/20140517122251/http://www.localnews8.com/news/explosion-and-fire-force-evacuation-of-town/25627492>

67 **Associated Press, Star-Tribune, 4-25-2014:** http://trib.com/news/state-and-regional/fire-still-burns-at-damaged-wyoming-gas-plant/article_67b11cdf-0b76-53b9-8050-a2504d3e2e3d.html

68 **Echo Menges, Northeast Missouri's Neighborhood News Source, 5-8-2014:** <http://nemonews.net/2014/05/08/pipeline-rupture-hazardous-material-spill-knox/>

69 **WYFF 4, 5-13-2014:** <http://www.wyff4.com/news/natural-gas-line-ruptures-in-anderson-county/25935562>

70 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration:** <http://primis.phmsa.dot.gov/comm/reports/operator/Operatorlist.html#>.

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- On June 26, near East Bernard, Texas, **a gas pipeline adjacent to a Kinder Morgan gas compressor plant blew out, destroying the roadway and setting a nearby truck on fire** just south of Highway 59. **Flames as high as 150 feet were shooting out of the pipeline. The focus was on a 27-inch pipeline that sends gasoline to different tank farms along the line.**⁷¹
- On July 10th, a **vent stack at a Williams Field Services gas pipeline compressor station** in Susquehanna County, Pennsylvania **caught fire.**⁷²
- On July 23, at Milledgeville, Georgia, Midway **Elementary School faculty & staff were evacuated due to a fire caused by a gas leak at nearby Southern Natural Gas Co. tap station.** Fire rescue personnel closed down Highway 441 south for an hour. **Due to the amount of pressure, precautionary measures were taken so pipe wouldn't rupture under the road** while Southern Natural Gas tried to determine the cause of the leak. "It could be **some type of failure in a valve or regulator.** Right now we don't know but Southern Natural Gas is looking into it."⁷³



PHOTO: "A pipeline running to a Williams Companies LNG storage facility in Plymouth, Washington exploded and sent shrapnel flying that ruptured an LNG storage tank. Nearly 1,000 residents were evacuated and at least five employees at the facility were injured":
<http://www.sightline.org/2016/06/03/williams-companies-failed-to-protect-employees-in-plymouth-lng-explosion/>

71 **13 ABC, 6-26-2014:** <http://abc13.com/news/gas-line-explosion-sends-150-foot-flames-up-in-air/142620/>

72 **Jon O'Connell, Civitas Media, 7-10-2014:**

<https://web.archive.org/web/20141021154242/http://golackawanna.com/news/local-news-news/1523876/Susquehanna-County-compressor-station-shut-down-after-morning-fire>

73 **Felicia Cummings, "Gas leak near Midway Elementary," The Union-Recorder, July 23, 2014**

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- On August 4, a Greka **6 inch pipeline spilled over 1,200 gallons of crude oil** at the Zick Compressor Station by Williams Field Services in Hop Bottom near Santa Barbara County, California. **The oil spread out over less than a mile from the leak.**⁷⁴
- On August 12, **a mulching machine hit a 12-inch natural gas pipeline** in Rusk County, Texas. **The operator of the machine was killed in the following explosion.**⁷⁵
- On August 21, **four workers were injured in a fire while a crew was performing maintenance on a natural gas pipeline** in Garvin County, Oklahoma.⁷⁶
- On September 14, **a contract worker performing routine maintenance on a Chevron offshore gas pipeline (explosion) was killed, and two other workers were injured.** The accident occurred 6 miles south of Timbalier Bay off the southeast coast of Louisiana.⁷⁷
- On September 16, **more than 500 residents** of Benton Township, Michigan, **were forced to leave their houses for 10 to 12 hours, after authorities discovered a leak** on TransCanada Corporation's **22-inch ANR gas transmission pipeline.**^{78 79}
- On October 13, **a gas transmission pipeline failed** near Centerview, Missouri, **causing an explosion and massive fire for several hours.**^{80 81}
- On October 13, a Sunoco/Mid-Valley **crude oil pipeline ruptured, and spilled about 168,000 gallons of crude oil** in Caddo Parish, Louisiana. **Wildlife was killed.**⁸²
- **A 24-inch gas transmission pipeline was hit by excavators** on October 23, near Newport, Arkansas. **Five nearby houses were evacuated, and two highways and a railroad were closed for a time.**⁸³

74 **Katie Kreider & LiLi Tan, KSBY Local News, 8-4-2014:**

<https://web.archive.org/web/20150205054839/http://www.ksby.com/news/update-crews-contain-oil-spill-near-santa-maria/>

75 **Reagan Roy, KETK News, 8-13-2014:**

<https://web.archive.org/web/20150222125425/http://www.ketknbc.com/news/one-man-killed-in-natural-gas-pipeline-explosion-i>

76 **Staff and Wire Reports, Tulsa World, 8-23-2014:** http://www.tulsaworld.com/business/energy/four-hurt-after-natural-gas-line-catches-fire-near-lindsay/article_09948ed6-442c-5451-b266-c1041e0ae427.html

77 **Lynn Cook, The Wall Street Journal, 9-15-2014:** <http://www.wsj.com/articles/chevron-worker-dies-in-gulf-of-mexico-pipeline-accident-1410709059>

78 **The Huffington Post Canada, 9-17-2014:** http://www.huffingtonpost.ca/2014/09/17/transcanada-pipeline-benton-harbor_n_5837862.html?utm_hp_ref=tw

79 **WSBT 22 News, 9-19-2014:** <http://wsbt.com/news/local/transcanada-after-pipeline-rupture-repairs-may-take-several-weeks>

80 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 12-24-2014:**

<http://wsbt.com/news/local/transcanada-after-pipeline-rupture-repairs-may-take-several-weeks>

81 **Chris Oberholtz, KCTV News 5, 10-13-2014:** <http://www.kctv5.com/story/26772356/emergency-crews-respond-to-pipeline-rupture-fire-near-centerview#ixzz3G3Gp4Ie3>

82 **Vickie Welborn, The Times, 10-18-2014:**

<http://www.shreveporttimes.com/story/news/local/2014/10/18/crude-oil-spills-caddo-bayou-kills-wildlife/17522017/>

83 **Region 8 Newsdesk, 10-22-2014:** <http://www.kait8.com/story/26866351/roads-open-repairs-underway-after-gas-leak>

Pipeline Bursts: Deaths, Injuries, & Damages they Inflicted; 2013 – 2014

- On October 28, an **8-inch natural gas condensate pipeline exploded** in Monroe County, Ohio. **A large fire followed.**⁸⁴
- On December 8, **gasoline was discovered leaking from** Kinder Morgan Plantation **Pipeline** in Belton, South Carolina. It was found that **the 26-inch pipeline had leaked into a nearby creek. The cause was a failure at a sleeve that was part of an earlier repair.**⁸⁵ As of April 2015, **it was estimated that 8,000 barrels (42 gallons per barrel) or more than 300,000 gallons of gasoline had leaked. After four months of cleanup, only 176,901 gallons of product had been recovered and removed.**⁸⁶



PHOTO: “A gas transmission pipeline failed near Centerview, Missouri, causing an explosion and massive fire for several hours”:

<http://www.kctv5.com/story/26772356/emergency-crews-respond-to-pipeline-rupture-fire-near-centerview>

84 **The Intelligencer. Wheeling News-Register:**

<http://www.theintelligencer.net/news/community/2014/10/blue-racer-pipeline-shut-down-after-explosion/>

85 **U.S. DOT, Pipeline & Hazardous Materials Safety Administration, 3-9-2015:**

http://primis.phmsa.dot.gov/comm/reports/enforce/documents/220155001S/220155001S_NOPSO_03092015_text.pdf

86 **Sarita Chourey, Savannah Morning News, 4-30-2015:** <http://savannahnow.com/news/2015-04-30/kinder-morgan-pipeline-leak-reaches-300000-gallons-south-carolina>