

ATTACHMENT 1 - List of accidents since 2010 involving unit trains transporting crude oil, ethanol or other Class 3 flammable liquids

Accidents occurring within the United States:

Date	Location	Carrier	Cars Derailed	Commodity	Volume Released (gal.)	Evacuations	Property Damage (\$million)	NTSB Invest.	Invest. Type
6/3/2016	Mosier, Oregon	Union Pacific	16	Petroleum crude oil	Under investigation	Under investigation	Under investigation	No	
3/1/2016	Ripley, New York	Norfolk Southern	16	Ethanol, propane	1,526	8	0.45	No	
11/8/2016	Watertown, Wisconsin	Canadian Pacific	15	Petroleum crude oil	1,000	102	0.5	No	
11/7/2015	Alma, Wisconsin	BNSF	25	Ethanol	20,413	75	1.3	No	
9/19/2015	Lesterville, South Dakota	BNSF	7	Ethanol	49,743	0	1.1	Yes Docket open	Regional launch
7/16/2015	Culbertson, Montana	BNSF	22	Petroleum crude oil	27,201	50	0.64	No	
5/6/2016	Heimdal, North Dakota	BNSF	6	Petroleum crude oil	96,486	30	5.0	Yes Docket open	Regional launch
2/16/2015	Mount Carbon, West Virginia	CSX	27	Petroleum crude oil	378,034	300	2.5	Yes Docket open	FRA lead; NTSB limited on-scene investigation
5/9/2014	LaSalle, Colorado	Union Pacific	5	Petroleum crude oil	7,932	0	0.3	No	
4/30/2014	Lynchburg, Virginia	CSX	17	Petroleum crude oil	29,868	350	1.2	Yes Docket open	Regional launch
2/13/2014	North Vandergrift, Pennsylvania	Norfolk Southern	21	Petroleum crude oil and propane	9,800	16	4.5	No	
1/31/2014	New Augusta, Mississippi	Illinois Central	11	Petroleum crude oil	25,450	16	2.1	No	
12/30/2013	Casselton, North Dakota	BNSF	20	Petroleum crude oil	476,437	1,400	6.1	Yes Docket open	Full launch
11/8/2013	Aliceville, Alabama	CN	26	Petroleum crude oil	455,520	0	5.0	No	
3/27/2013	Parkers Prairie, Minnesota	Soo Line Corp.	14	Petroleum crude oil	10,000	0	0.2	No	

Date	Location	Carrier	Cars Derailed	Commodity	Volume Released (gal.)	Evacuations	Property Damage (\$million)	NTSB Invest.	Invest. Type
8/5/2012	Plevna, Montana	BNSF	17	Ethanol	179,710	0	2.0	No	
7/11/2012	Columbus, Ohio	Norfolk Southern	17	Ethanol (3 cars)	54,748	100	1.2	Yes Docket open	Full launch
10/7/2011	Tiskilwa, Illinois	IAIS	26	Ethanol	162,014	800	1.6	Yes Docket open	Regional launch
2/6/2011	Arcadia, Ohio	Norfolk Southern	32	Ethanol	786,245	25	9.4	No	

Canadian accidents monitored by NTSB

Date	Location	Carrier	Cars Derailed	Commodity	Volume Released (gal.)	Evacuations	Property Damage (\$million CAD)	NTSB Invest.	Invest. Type
3/7/2015	Gogama, Ontario	CN	39	Petroleum crude oil	Not reported	0	Not reported	No	
2/14/2015	Gogama, Ontario	CN	29	Petroleum crude oil, petroleum distillates	>360,000	0	Not reported	No	
1/8/2014	Plaster Rock, New Brunswick	CN	17	Petroleum crude oil, LPG	60,000	150	Not reported	Yes Docket open	NTSB Observer
7/6/2013	Lac-Megantic, Quebec	Montreal Maine and Atlantic	63	Petroleum crude oil	1,600,000	2,000	460	Yes Docket open	NTSB Assisted TSB Canada