

Out on the Tar Sands Mainline: Mapping Enbridge's Dirty Web of Pipelines
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Spills, leaks and ruptures that have occurred on Enbridge pipelines over the past ten years. Between 1999 and 2009, across all of Enbridge's operations there were 713 spills that released close to 134,000 barrels (21.3 million litres) of hydrocarbons into the environment.

These figures were compiled from Enbridge's own Environmental, Health and Safety and Corporate Social Responsibility Reports, <http://www.enbridge.com/corporate/csr-reports.php>

From 2007-2008, the **Wisconsin Wetlands Association**, a civil society organization, reviewed the violations on a daily basis, reporting that, "Enbridge's environmental compliance has been poor, particularly early in the construction cycle...[These] poor pipelineconstruction management practices degrade wetland quality and pollute rivers and streams."¹⁵¹ Requests by the Wisconsin Department of Natural Resources included letters calling on Enbridge to cease construction activities pending resolution of their environmental oversights, and retraining of crews. A few of the many critical incidences include:

- 60 violations from July 30-September 9th, 2007 related to erosion control, wetland restoration, land clearing, trenching, dewatering, and lack of compliance with "Best Management Practices";
 - Over 29,000 gallons of oil were spilled in Clark County, WI on January 2nd, 2007 when a pipeline ruptured, contaminating farmers' fields;
 - Over 150,000 gallons of crude oil spilled into a farm field and seeped into the groundwater table in Rusk County, WI on February 2nd when Enbridge Construction crews struck an existing pipeline.¹⁵²
- In May 2008, the Wisconsin Department of Natural Resources referred the case of Enbridge Energy Partners' repeated failure to comply with its wetland and waterway to the Department of Justice (DOJ). In January 2009, Enbridge Energy Partners paid the State of Wisconsin \$1.1 million (USD) to settle claims under Wisconsin's waterway and wetland protection and storm water control laws.¹⁵³ The case documented more than 500 violations of the company's permits, including 282 wetland violations (soil mixing, rutting, unauthorized clearing, improper restoration), and 176 land disturbance and erosion control violations near navigable waters and wetlands.¹⁵⁴ This settlement is one of the largest in the history of the Wisconsin DOJ Environmental Unit.¹⁵⁵

¹⁵⁰ Wisconsin Wetlands Association, Update (September 2007) www.wisconsinwetlands.org/enbridge.htm

¹⁵¹ Wisconsin Wetlands Association, Issue Summary (November 8 2006) www.wisconsinwetlands.org/enbridge.htm

¹⁵² Wisconsin Wetlands Association, Updates (2007) www.wisconsinwetlands.org/enbridge.htm

¹⁵³ Wisconsin Department of Justice

www.doj.state.wi.us/absolutenm/templates/template_share.asp?articleid=24&zoneid=3

¹⁵⁴ Wisconsin Wetlands Association, www.wisconsinwetlands.org/enbridge.htm

¹⁵⁵ Wisconsin Wetlands Association, Update: (January 2 2009) www.wisconsinwetlands.org/enbridge.htm

Between 1999 and 2009, across all of Enbridge's operations there were 713 spills that released close to 134,000 barrels (21.3 million litres) of hydrocarbons into the environment.¹⁵⁹ This amounts to approximately half of the oil that spilled from the oil tanker the Exxon Valdez after it struck a rock in Prince William Sound, Alaska in 1988.

¹⁵⁹ These figures were compiled from Enbridge's own Environmental, Health and Safety and Corporate Social Responsibility Reports, <http://www.enbridge.com/corporate/csr-reports.php>

Total Spills on Enbridge Pipelines, 1999 - 2009

Year	Number of spills	Quantity of barrels
1999	54	28670
2000	48	14683
2001	34	25980
2002	48	14683
2003	62	6410
2004	69	3252
2005	70	9825
2006	67	5363
2007	65	13777
2008	93	2682
2009	103	8441
TOTALS	713	133,856 (Approximately 21.3 million litres, or 5,6 million gallons)

Location	Date	Cause	Barrels lost
Saskatchewan, ²⁰¹ Innes	2000	n.a.	1500
Ontario, ²⁰² Binbrook	2001-09-29	n.a.	598
Alberta, ²⁰³ Hardisty	2001-01-17	n.a.	23900
Saskatchewan, ²⁰⁴ Kerrrobert	2002-01-18	Leaking gasket	6133
Manitoba, ²⁰⁵ Glenboro,	2002-05-08	Seam failure	598
Saskatchewan, ²⁰⁷ Willmar,	2006-03-18	Pump failure	613
Manitoba, ²⁰⁸ Cromer	2008-01-23	Gasket failure	629
Saskatchewan, Weyburn,	2008-02-23	Human error, tap left open	157
Alberta, Fort McMurray	2008-03-29	Drain line failure	252
Alberta, Cheecham	2009-01-03	Vent valve failure	5749
Saskatchewan, Kisbey,	2009-02-09	n.a.	704

201 <http://www.enbridge.com/corporate/pdf/2001-ehs-report.pdf>

202 <http://www.enbridge.com/corporate/pdf/2002-ehs-report.pdf>

203 Ibid

204 <http://www.enbridge.com/corporate/pdf/2003-ehs-report.pdf>

205 Ibid

206 2005, Corporate Social Responsibility Report, <http://www.enbridge.com/corporate/pdf/2005-csr.pdf>

207 Enbridge 2007 Corporate Social Responsibility Report, <http://www.enbridge.com/csr2007/pdf/enbridgecsr2007.pdf>

208 Enbridge 2009, Corporate Social Responsibility Report, <http://www.enbridge.com/csr2009/downloads/Enbridge-2009-CSR-Report.pdf>