



The 2010 pipeline spill in Marshal, Michigan (Kalamazoo) has cost almost \$1 billion to clean up and is still not finished. Photo NTSB.

Our goal is to motivate all city councillors to support a motion (now being prepared) at city hall to outlaw the transport of these hazardous materials across our city by any method. (See the list of Councillors and a sample letter on our website.)

### Materials

In 2012 the U.S. Natural Resources Defense Council (NRDC) printed an excellent background report prepared by U.S. and Canadian environmental organizations. “Going in Reverse: The Tar Sands Threat to Central Canada and New England” is available on our website.

There are many printable documents on our website which you can reproduce for distribution in your area. This Toolkit includes flyers, brochures, buttons, lawn signs, media reprints, and a PowerPoint presentation.

### The Fukushima Syndrome

Despite Risk Analysis regarding the potential for disaster in any human undertaking (99% and 1% have the same consequences), the more important question is: What will be the

social cost when this pipeline fails? Given that inevitable social cost, are we as a society willing to accept it in exchange for enriching energy companies?

(At the time Fukushima was built, authorities stated that there was no “known” event which could shut down the nuclear plant. The problem was the “unknown” event.)

**This pamphlet was prepared by:**  
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- [www.EnvironmentalDefence.ca](http://www.EnvironmentalDefence.ca)

### References/Scientific Data

- 1) Natural Resources Defense Council, USA:  
<http://www.nrdc.org/>
- 2) Centre for Spills in the Environment, University of New Hampshire, USA:  
[http://www.crrc.unh.edu/workshops/oil\\_sands/index.html](http://www.crrc.unh.edu/workshops/oil_sands/index.html)

# The Tar Sands are Coming to Toronto...

Enbridge has begun the process of reversing the direction of its pipeline (Line 9) between Sarnia and Montreal in order to transport Tar Sands from Alberta to the east coast for shipment around the world.

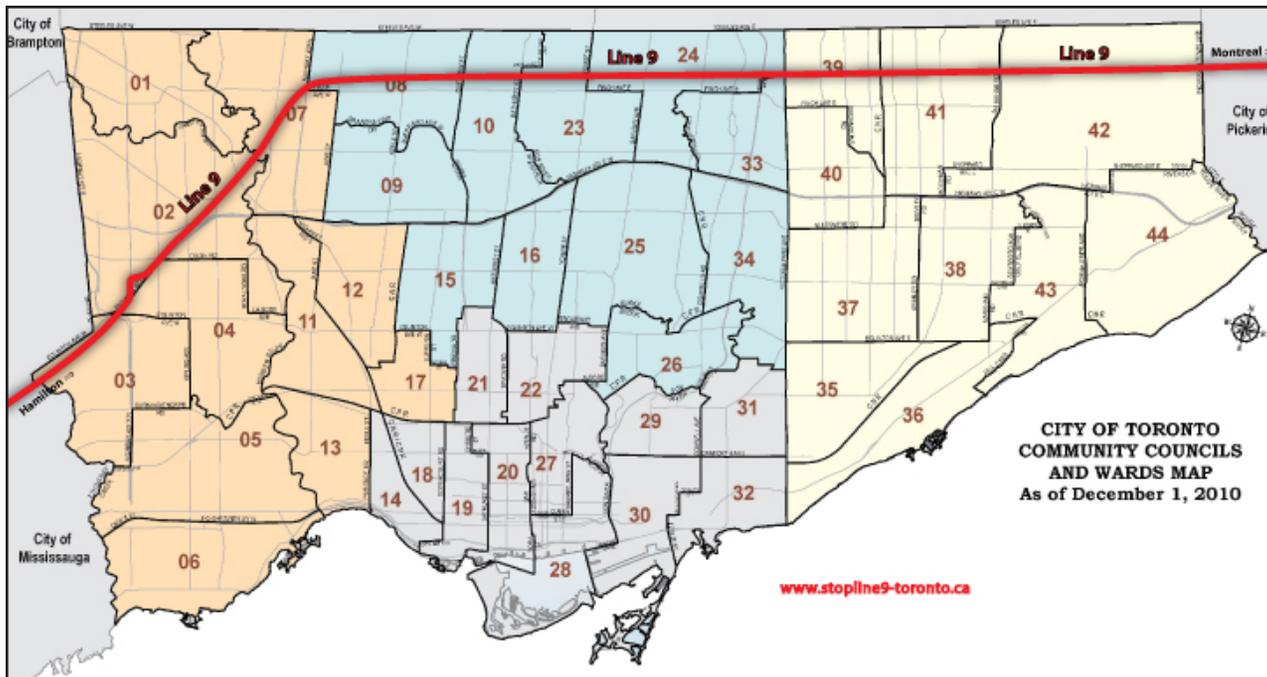
On November 29, 2012 Enbridge applied to the NEB to reverse the flow of the line from Hamilton to Montreal (through Toronto, just north of Finch Ave.), and to authorize the shipment of Diluted Bitumen through it. The application is expected to be approved in early 2014.

In addition to the extensive damage to the environment caused by the Tar Sands, the transport of the raw material (“super-hot sandpaper”) is far more susceptible to pipeline breaks and damaging spills.

Not only can this toxic and corrosive mixture (Diluted Bitumen) spread through the soil to



The pipeline spill on March 29, 2013 in Mayflower, Arkansas was an estimated 1 million litres of DilBit.



# ...Unless We Stop Them

## What Can We Do?

The route of Line 9 through Toronto has been marked (as shown below) on sidewalks at all streets where the line crosses the city. (The Detailed Map on our website shows more exact locations.)



threaten property and the water tables; it also crosses major rivers leading to Lake Ontario — the source of our drinking water. And from the time it was announced, it has become a threat to local property values.

The two largest pipeline spills in U.S. history were pipelines recently converted to carry Diluted Bitumen (DilBit).

## What's the Problem?

In 2011 the NRDC<sup>1</sup> prepared a document called "Tar Sands Pipelines Safety Risks" which details the dangers of the Diluted Bitumen that travels through these pipelines. Included is a detailed breakdown of the chemical composition of the DilBit.

According to industry documents<sup>2</sup>, in addition to causing cancer, DilBit is also categorized as being an explosive liquid (in the same category as gasoline, and the contents of the rail tankers that exploded in Lac-Mégantic on July 6, 2013).

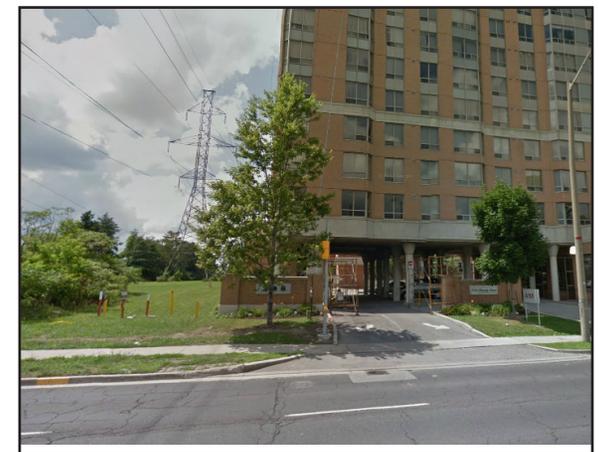
## The Threat to Toronto's Water

Line 9 crosses all of the rivers in the city which flow into Lake Ontario. One city councillor has stated that if DilBit got into our water intake system, it could shut down the entire city's water supply.



This diagram shows the effect of an oil spill into Lake Ontario, and locations of water intakes.

We invite you and your neighbours to create a Community Action Group to inform people in your Ward about Line 9 and what can be done to keep DilBit out of our city. If you want to start a CAG, contact us. We will supply resources, materials, and training, and connect you with others across the city.



This photo shows Line 9 approximately 10 feet from a seniors' condominium on Kennedy Ave.