



Enbridge Pipelines (Southern Lights) L.L.C.

Spill Prevention, Containment, and Control Plan

April 2007

Enbridge Pipelines (Southern Lights) L.L.C.
Spill Prevention, Containment, and Control Plan

TABLE OF CONTENTS

1.0	Introduction	1
2.0	Planning and Prevention	1
2.1	Roles and Responsibilities	1
2.2	Training	2
2.3	Equipment	2
2.4	Supervision and Inspection	3
3.0	Storage and Handling of Fuels/Hazardous Liquids	3
3.1	Fuel Storage - General	3
3.2	Refueling	4
3.3	Refueling and Fuel Storage Near Wetlands and Waterbodies	5
4.0	Initial Spill Management	5
4.1	Immediate Response	5
4.2	Mobilization	6
5.1	Notification Volumes	6
5.2	Spill Report Form (Appendix B)	6
5.3	Agency Notification	7
6.0	Spill Containment and Cleanup	7
6.1	Spill Control - Upland Areas	7
6.2	Spill Control - Wetlands and Waterbodies	8
7.0	Storage and Disposal of Contaminated Materials	9

APPENDIX A

Emergency Response Contractors; Disposal and Treatment Facilities

APPENDIX B

Enbridge Pipelines (Southern Lights) L.L.C., Project Spill Report Form

Enbridge Pipelines (Southern Lights) L.L.C.

Spill Prevention, Containment, and Control Plan

1.0 INTRODUCTION

This Spill Prevention, Containment and Control Plan (Spill Plan) describes planning, prevention and control measures to minimize impacts resulting from spills of fuels, petroleum products, or other regulated substances as a result of construction. These measures will be implemented by the Contractor working on Enbridge expansion projects, unless otherwise indicated by Enbridge.

2.0 PLANNING AND PREVENTION

Enbridge requires its Contractors to implement proper planning and preventative measures to minimize the likelihood of spills, and to quickly and successfully clean up a spill should one occur. Enbridge has developed this Spill Plan to set forth minimum standards for handling and storing regulated substances and cleaning up spills. Potential sources of construction-related spills include machinery and equipment failure, fuel handling, transfer accidents and storage tank leaks. The Contractor will be responsible for implementing, at a minimum, the following planning and prevention measures.

2.1 ROLES AND RESPONSIBILITIES

Spill Coordinator

A Spill Coordinator shall be designated by the Contractor, subject to approval by Enbridge. For pipeline spills, the Spill Coordinator shall insure that the Enbridge Representative is notified immediately, and may assist in response action as dictated by the Company. For all construction related spills, the following shall apply:

- The Spill Coordinator shall report all spills to the Enbridge Representative immediately.
- The Spill Coordinator (under Enbridge oversight), shall report spills to appropriate federal, state and local agencies as soon as possible.
- The Spill Coordinator shall mobilize on-site personnel, equipment, and materials for containment and/or cleanup commensurate with the extent of the spill.
- The Spill Coordinator shall assist the Emergency Response Contractor (Appendix A) and monitor containment procedures to ensure that the actions are consistent with the requirements of this Spill Plan.
- The Spill Coordinator and/or Enbridge Representative, in consultation with appropriate agencies, shall determine when it is necessary to evacuate spill sites to safeguard human health.
- The Spill Coordinator (under Enbridge oversight), shall coordinate with appropriate agencies the need to contact additional parties or agencies.

- The Spill Coordinator is responsible for completing a Spill Report Form (Appendix B) within 24-hours of the occurrence of a spill, regardless of the size of the spill.

Environmental Inspector

- The Environmental Inspector will monitor the Contractor's compliance with the provisions of this Spill Plan.

Authorized Personnel

- Authorized Personnel are representatives of the Contractor who are designated to handle fuel, lubricants or other regulated substances.
- Authorized Personnel must be familiar with the requirements of the Spill Plan and the consequences of non-compliance.

Construction Superintendent

- The Contractor's Construction Superintendent or representative must notify the Enbridge Representative and the Environmental Inspector immediately of any spill of a petroleum product or hazardous liquid, regardless of volume.

Construction Personnel

- Construction Personnel are representatives of the Contractor involved with the installation of the pipeline.
- Construction Personnel shall notify the crew foreman or Spill Coordinator immediately of any spill of a petroleum product or hazardous liquid, regardless of volume.

Enbridge Representative

- The Enbridge Representative shall oversee the Spill Coordinator to ensure that appropriate agency notifications are made, spill resources are allocated, and clean-up is accomplished in accordance with applicable agency requirements.

2.2 TRAINING

- The Contractor shall train all employees who handle fuels and other regulated substances to prevent spills and to quickly and effectively contain and clean up spills that may occur in accordance with applicable regulations.
- The Contractor and employees will be briefed on procedures to respond to a pipeline spill (e.g. third party damage to the adjacent in-service pipeline) during mandatory safety and environmental training to be provided by the Enbridge.

2.3 EQUIPMENT

- Each construction crew must have adequate absorbent materials and containment booms on hand, to enable the rapid cleanup of any spill which may occur.

- The Contractor must maintain spill kits containing a sufficient quantity of absorbent and barrier materials to adequately contain and recover foreseeable spills. These kits may include, but are not limited to absorbent pads, straw bales, absorbent clay, sawdust, floor-drying agents, spill containment barriers, plastic sheeting, skimmer pumps, and holding tanks. This equipment shall be located near fuel storage areas and other locations as necessary to be readily available to control foreseeable spills.
- Suitable plastic lining materials shall be available for placement below and on top of temporarily-stored contaminated soils and materials.
- All fuel, and where necessary, service vehicles, shall carry spill containment materials adequate to control foreseeable spills. Such material may include but not be limited to absorbent pads, commercial absorbent material, plastic bags with ties, and a shovel.
- The Spill Coordinator shall make known to Authorized Personnel, Construction Personnel, the Environmental Inspector, and the Enbridge Representative the locations of spill control equipment and materials, and have them readily accessible during construction activity.
- Construction equipment shall be removed from wetlands and parked a minimum of 100 feet away from streams, wetlands, ditches, and other waterbodies at the end of each work day.
- In large wetlands where no upland site is available for refueling, auxiliary fuel tanks on construction equipment are recommended.
- All fuel nozzles shall be equipped with functional automatic shut-offs and over-flow alarms.
- Fuel trucks transporting fuel to on-site construction equipment shall travel only on approved access roads.

2.4 SUPERVISION AND INSPECTION

- The Contractor shall perform a pre-construction inspection and test of all equipment to ensure that it is in good repair.
- During construction, the Contractor shall regularly inspect hoses, pipes, valves, and tanks to ensure equipment is free of leaks. Any equipment that is leaking or in need of repair will be immediately removed from service by Contractor and repaired, prior to resuming work.

3.0 STORAGE AND HANDLING OF FUELS/HAZARDOUS LIQUIDS

3.1 FUEL STORAGE - GENERAL

The Contractor shall follow proper fuel storage practices, including, but not limited to the following:

- Fuel storage shall be at Contractor yards only or as approved by Enbridge.

- Proper signage at and adjacent to fuel storage areas to include "Fuel Storage Area – No smoking within 50 feet.
- A minimum of two 30-pound or four 20-pound fire extinguishers must be located and readily available at all fuel storage locations. The extinguishers shall be located not less than 25 feet and not more than 75 feet from these locations.
- Tools and materials to stop the flow of leaking tanks and pipes shall be kept on-site. Such equipment may include, but not be limited to, plugs of various sizes, 3M tank patches, a hammer, assorted sizes of metal screws with rubber washers, a screwdriver, and plastic tape. Spill kits (see section 2.3 of this Spill Plan) must be located at fuel storage areas.
- Fuels, lubricants, waste oil, and any other regulated substances shall be stored in aboveground tanks only.
- Storage tanks and containers must conform to all applicable industry codes (NFPA, UFC, etc.).
- A suitable secondary containment structure must be utilized at each fuel storage site. These structures must be lined with suitable plastic sheeting; provide a minimum containment volume equal to 150 percent of the volume of the largest storage vessel; and provide at least 1 foot of freeboard.
- If earthen containment dikes are used, they shall be constructed with slopes no steeper than 3:1 (horizontal to vertical) to limit erosion and provide structural stability.
- Secondary containment areas must not have drains. Precipitation may be drawn off as necessary. If visual inspection indicates that no spillage has occurred in the secondary containment structure, accumulated water may be drawn off and sprayed on the surrounding upland areas. If spillage has occurred in the structure, accumulated waste shall be drawn off and pumped into drum storage for proper disposal.
- Vehicle maintenance wastes, including used oils and other fluids, shall be handled and managed by personnel trained in the procedures outlined in this plan. Vehicle maintenance wastes will be stored and disposed of in accordance with section 7.0 of this Spill Plan.

3.2 REFUELING

- Fuels shall be dispensed by Authorized Personnel during daylight hours only.
- Fuel dispensing operations shall be attended by Authorized Personnel at all times. Personnel must be stationed at both ends of the hose during fueling unless both ends are visible and are readily accessible by one person.
- Fuel dispensing equipment (i.e., portable gas cans, nozzles, hoses, etc.) shall be of the appropriate type. Consult with the Contractor Safety Program (CSP) for details.

3.3 REFUELING AND FUEL STORAGE NEAR WETLANDS AND WATERBODIES

Enbridge requires that the storage of petroleum products, refueling and lubricating operations take place in upland areas that are more than 100 feet from wetlands, streams, and waterbodies (including drainage ditches), and water supply wells. In addition, the Contractor must store hazardous materials, chemicals, fuel and lubricating oils, and perform concrete coating activities outside these areas. Auxiliary fuel tanks solidly attached to construction equipment or pumps are not considered storage and are acceptable.

In certain instances, refueling or fuel storage may be unavoidable due to site-specific conditions or unique construction requirements (e.g. continuously operating pumps or equipment on barges). These locations must be approved in advance by the Environmental Inspector. In addition to those practices described above, the following precautions will be taken when refueling within 100 feet of streams, wetlands or other waterbodies:

- Adequate amounts of absorbent materials and containment booms must be kept on hand by each construction crew to enable the rapid cleanup of any spill which may occur.
- If fuel must be stored within wetlands or near streams for refueling of continuously operating pumps, secondary containment must be provided.
- Secondary containment structures must be lined with suitable plastic sheeting, provide a containment volume of at least 150 percent of the storage vessel, and allow for at least one foot of freeboard.
- Provide for adequate lighting of these locations and activities.

4.0 INITIAL SPILL MANAGEMENT

4.1 IMMEDIATE RESPONSE

Immediately upon learning of any fuel, oil, hazardous material or other regulated substance spill, or upon learning of conditions that will lead to an imminent spill, the person discovering the situation shall:

- Initiate actions to contain the fluid that has spilled or is about to spill, and initiate action to eliminate the source of the spill to the maximum extent that is safely possible.
- Notify the crew foreman and/or the Spill Coordinator and provide them with the following information:
- Location and cause of the spill
- The type of material that has spilled
- Whether the spill has reached or is likely to reach any surface water

Upon learning of a spill or a potential spill the Spill Coordinator shall:

- Assess the situation and determine the need for further action.
- Direct subsequent activities and/or further assign responsibilities to other personnel.
- Procedures regarding excavation and disposal of contaminated soil material from wetlands or near waterbodies are described in section 6.2 of this Plan.
- Notify the Enbridge Representative and Environmental Inspector.

4.2 MOBILIZATION

- The Spill Coordinator shall mobilize on-site personnel, equipment, and materials for containment and/or cleanup commensurate with the extent of the spill.
- If the Spill Coordinator determines that a spill is beyond the scope of on-site equipment and personnel, the Spill Coordinator shall immediately notify the Construction Superintendent that an Emergency Response Contractor is needed to contain and/or clean up the spill. Appendix A contains a list of potential Emergency Response Contractors.
- The Spill Coordinator shall assist the Emergency Response Contractor and monitor containment procedures to ensure that the actions are consistent with the requirements of this Spill Plan.
- In the event of a pipeline spill (to an adjacent pipeline), Enbridge's Emergency Pipeline Control Center must be notified at 1-800-858-5253 (24-hours/day), as well as the Company Representative. Actions requiring emergency response employees and contractors will be coordinated by the Company Representative.

5.0 SPILL NOTIFICATION RESPONSIBILITIES

5.1 NOTIFICATION VOLUMES

The Contractor's Construction Superintendent or representative must notify the Enbridge Representative and the Environmental Inspector immediately of any spill of a petroleum product or hazardous liquid, regardless of volume.

5.2 SPILL REPORT FORM (APPENDIX B)

The Spill Coordinator shall complete a Spill Report Form for each release of a regulated substance, regardless of volume. The Spill Report Form must be submitted to the Enbridge Representative within 24 hours of the occurrence of a spill. To complete the Spill Report Form, the Spill Coordinator shall compile the following information:

- A legal description of the spill location, and specific directions from the nearest community.
- The time and date of the spill, and the time and date the spill was discovered.
- The type and estimated volume of spilled material, and the manufacturer's name.

- The media in which the spill exists (e.g., soil, water, etc.).
- The topography and surface conditions of the spill site.
- Proximity of surface waters.
- Weather conditions.
- Name, company, address, and telephone number of the Construction Superintendent, Spill Coordinator, Enbridge representative, and the person who reported the spill.
- The cause of the spill.
- Immediate containment and/or cleanup actions taken.
- Current status of cleanup actions.

Follow-up written reports, associated laboratory analyses, confirmatory field sampling and other documentation may also be required separately on a site-specific basis as directed by the Company Representative or Environmental Inspector. Documentation is the responsibility of the Contractor.

5.3 AGENCY NOTIFICATION

The Contractor will notify Enbridge and report spills to appropriate federal, state and local agencies as soon as possible. These include, but may not be limited to the following:

National Response Center, in Washington, D.C.
Phone: (800) 424-8802 (24 hours)

The Contractor, in coordination with Enbridge and the appropriate federal, state and local agencies must ensure that additional parties or agencies are properly notified. Additionally, the Contractor is responsible for ensuring that all cleanup activities required by a jurisdictional agency are satisfactorily met and provide documentation to Enbridge demonstrating this compliance.

6.0 SPILL CONTAINMENT AND CLEANUP

In the event of a spill, the Contractor will abide by all applicable federal, state and local regulations with respect to cleaning up the spill. All cleanup and other construction related spill activities must be completed by, and costs assumed by the Contractor. Specific cleanup measures for both upland and wetland/waterbody spills are described below.

6.1 SPILL CONTROL - UPLAND AREAS

- If a spill should occur during refueling operations, STOP the refueling operation until the spill can be controlled and the situation corrected.
- The source of the spill must be identified and contained immediately.

- For large spills on land, the spill must be contained and pumped immediately into tank trucks. The Contractor or, if necessary, an Emergency Response Contractor, shall excavate contaminated soil. Appendix A lists potential Emergency Response Contractors.
- The spilled material and the contaminated soil must be treated and/or disposed of in accordance with all applicable federal, state, and local agency requirements (see Section 7.0 of this Spill Plan).
- Smaller spills on land shall be cleaned up with absorbent materials. Contaminated soil or other materials associated with these releases shall also be collected and disposed of in accordance with applicable regulations (see Section 7.0 of this Spill Plan).
- Flowing spills must be contained and/or absorbed before reaching surface waters or wetlands.
- Absorbent material(s) shall be placed over spills to minimize spreading and to reduce its penetration into the soil.
- The Spill Coordinator and/or Enbridge Representative, in consultation with appropriate agencies, determine when spill sites will be evacuated as necessary to safeguard human health. Evacuation parameters shall include consideration for the potential of fire, explosion, and hazardous gases.

6.2 SPILL CONTROL - WETLANDS AND WATERBODIES

In addition to the above measures, the following conditions shall apply if a spill occurs near or into a stream, wetland or other waterbody, regardless of size:

- If a spill should occur during refueling operations, STOP the operation until the spill can be controlled and the situation corrected.
- For spills into streams, lakes or other waterbodies containing standing or flowing water, regardless of size, the Contractor Representative must apprise Enbridge of the incident and notify the National Response Center immediately.
- For spills in standing water, sorbent booms and pads shall be on hand and used by the Contractor to contain and recover released materials. In addition, other spill response materials and equipment shall be on hand as appropriate for each waterbody and used to contain and recover foreseeable spills. This may include containment booms, skimmer pumps, holding tanks, boats, and other equipment.
- If necessary, for large spills in waterbodies, an Emergency Response Contractor must be secured to further contain and clean up the spill. A list of Emergency Response Contractors is included in Appendix A.
- Contaminated soils in wetlands must be excavated and temporarily placed on plastic sheeting in a bermed area, a minimum of 100 feet away from the wetland. Contaminated soils shall be covered with plastic sheeting while being stored temporarily and properly disposed of as soon as possible, in accordance with this

Plan (see Section 7.0). Enbridge maintains spill records along its entire system. Historic leak sites may exist within the project area and the Environmental Inspector will be made aware of the location of these sites prior to work occurring in them. Unknown contamination or historic contamination encountered during construction will be managed per Enbridge's Contaminated Soils Management Plan. Water Quality and Solid Waste program staff will continue to be notified of newly discovered sites.

7.0 STORAGE AND DISPOSAL OF CONTAMINATED MATERIALS

- Appendix A of this SPCC Plan lists potential treatment and disposal facilities for contaminated materials, petroleum products, and other construction-related wastes. Enbridge will recycle those wastes, such as motor oil, where there is an established recycling program available. Wastes such as grease or oily rags shall be disposed of in accordance with state requirements.
- All contaminated soils, absorbent materials, and other wastes shall be stored and disposed of by the Contractor in accordance with all applicable state and federal regulations.
- Only licensed carriers may be used to transport contaminated material from the site to a disposal facility.
- If it is necessary to temporarily store excavated soils on site, these materials shall be placed on, and covered by, plastic sheeting, or placed in properly labeled ring-top 55-gallon drums and the storage area bermed to prevent and contain runoff.
- Any hazardous or contaminated material stored on Enbridge property or the right-of-way will be properly labeled in accordance with State and US EPA labeling requirements.

APPENDIX A
Emergency Response Contractors;
Disposal and Treatment Facilities

The Contractor must dispose of all wastes according to applicable federal, state, and local requirements. A listing of potential Emergency Spill Response Contractors and waste disposal facilities is provided below. This list was developed from state-wide data bases. This list represents firms operating at the time the data base was produced. The Contractor is responsible for verifying if a contractor or facility is currently operating under appropriate permits or licenses. The Contractor is responsible for ensuring wastes are disposed of properly.

Spill Response Contractors

Midwest Industrial X-Ray	Fargo, ND	(701) 282-7846
Peterson Construction	Grand Forks, ND	(701) 746-6446
Grand Forks Fire and Equipment Co.	Grand Forks, ND	(800) 746-6463
RDO Equipment Co.	Grand Forks, ND	(701) 772-4842
ACME Electric Tool Crib of the North	Grand Forks, ND	(800) 732-4287
Ziegler's Cat	Crookston, MN	(218) 281-4245
DW Mechanical	Greenbush, MN	(218) 782-3114
Mark II	Fosston, MN	(218) 435-1991
Thygeson Construction	Thief River Falls, MN	(218) 681-1924
Prowler Transport	Thief River Falls, MN	(218) 681-4366
Technology Plus	Thief River Falls, MN	(218) 874-6492
Evergreen Implement	Thief River Falls, MN	(218) 681-1131
Mike Skjerven	Thief River Falls, MN	(218) 681-3288
Charps Welding & Fabrication Inc.	Clearbrook, MN	(218) 776-3080
Dyrdahl Bothers Inc.	Bagley, MN	(800) 914-2078
Minnesota Limited	Bemidji, MN	(218) 755-9595
Beltrami Industrial	Solway, MN	(218) 751-7537
Christiansen Construction	Bemidji, MN	(218) 751-4433
Portable John	Bemidji, MN	(218) 751-9453
Bobs Econo Pump	Bemidji, MN	(218) 751-6410
Nortrax	Bemidji, MN	(218) 759-1996
Sadeks Repair	Bemidji, MN	(218) 751-0817
OSI Environmental	Bemidji, MN	(800) 777-8542

LISTING OF WASTE DISPOSAL/TREATMENT FACILITIES

Northstar Reclamation	Fosston, MN	(800) 422-0817 (Landfarm)
Polk County Incinerator	Fosston, MN	(218) 435-6501 (Thermal treatment)
Lake Area Landfill (BFI)	Sarona, WI	(612) 457-2778 (Landfill)
Lakehead Blacktop	Superior, WI	(715) 392-1989 (Thermal treatment)
Monarch Paving Plant 25	Iron River, WI	(715) 268-2687 (Thermal treatment)
Timberline Trail (Waste Mgmt.)	Weyerhaeuser, WI	(800) 504-1067 ext. 7 (Landfill)

APPENDIX B

ENBRIDGE PIPELINES (SOUTHERN LIGHTS) L.L.C.

SPILL REPORT FORM

ENBRIDGE PIPELINES (SOUTHERN LIGHTS) L.L.C.

SPILL REPORT FORM

Date of Spill: _____

Date of Spill Discovery: _____

Time of Spill: _____

Time of Spill Discovery: _____

Name and Title of Discoverer: _____

Type of material spilled and manufacturer's name: _____

Legal Description of spill location: _____

Directions from nearest community: _____

Estimated volume of spill: _____

Weather conditions: _____

Topography and surface conditions of spill site: _____

Spill medium (pavement, sandy soil, water, etc.): _____

Proximity of spill to surface waters: _____

Did the spill reach a waterbody? _____ Yes _____ No

If so, was a sheen present? _____ Yes _____ No

Describe the causes and circumstances resulting in the spill: _____

Describe the extent of observed contamination, both horizontal and vertical (i.e., spill-stained soil in a 5-foot radius to a depth of 1 inch): _____

Describe immediate spill control and/or cleanup methods used and implementation schedule: _____

Current status of cleanup actions: _____

Name and Company for the following:

Construction Superintendent: _____

Spill Coordinator: _____

Enbridge Representative: _____

Person Who Reported the Spill: _____

Environmental Inspector: _____

Form completed by: _____ Date: _____

Spill Coordinator must complete this for any spill, regardless of size, and submit the form to the Enbridge Representative within 24 hrs of the occurrence.