



## **Operating & Maintenance Procedures**

# **Book 7 – Emergency Response Region Specific**

**Manual Number:** SU-RS-33

**Position Title:** Safety & Environment Clerk

**Location:** Superior Region

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- Revision Request Form
- Revision Record
- Qualified Individual and Region Response Description

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  - Environmentally Sensitive Areas
  - Basis for Determination of Significant and Substantial Harm

# Region Specific

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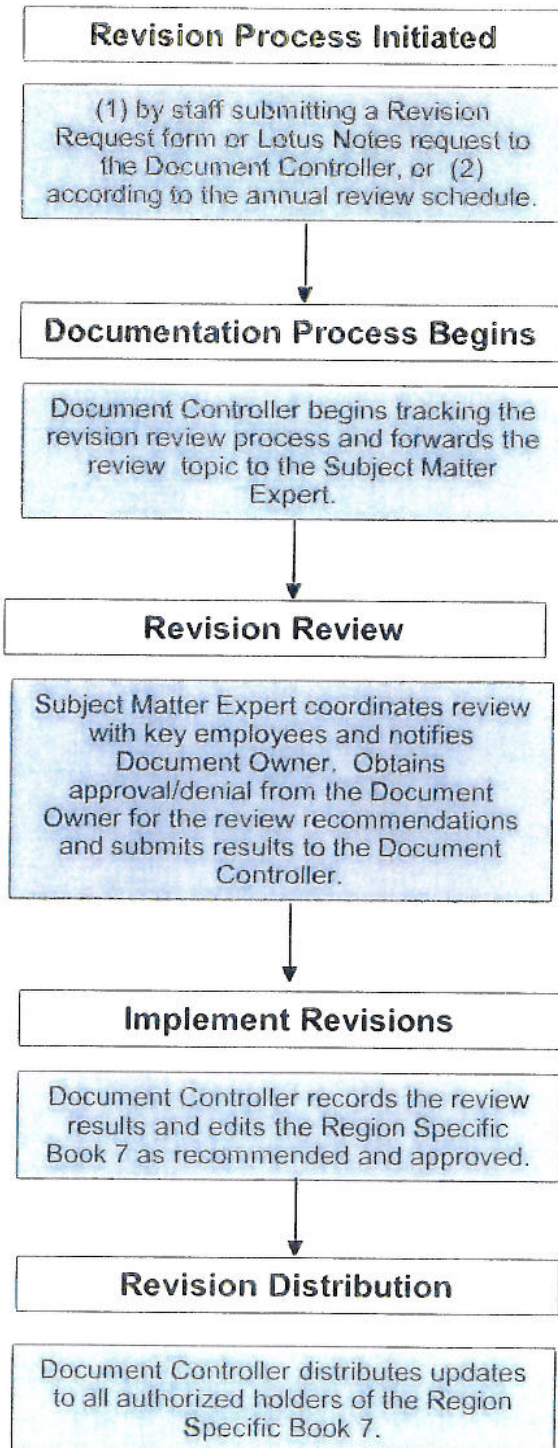
## **Region Specific**

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### Revision Process Flowchart



<u>Responsible Party</u>	<u>Assignment</u>
Document Owner – Mark Willoughby	Approver for changes to Region Specific Book 7
Document Controller - Nori Ferris	Administers revision schedule, document control and manual distribution
Subject Matter Expert - Al Aleknavicus	Coordinates content review and recommends changes



## REVISION PROCESS

Enbridge requires a review and update to the regional Emergency Response Plan (ERP) immediately when a substantial change occurs. The following operating condition changes would be cause for a modification:

- Extension of existing pipeline;
- Construction of new pipeline;
- Type of oil transported;
- Worst-Case Discharge;
- Qualified Individual;
- Response Procedures;
- Response Equipment Requirements; or
- Circumstances that may influence full implementation of the ERP.

Annually, as HCA Management Plans are reviewed and HCA maps and tables are updated all maps and worst-case discharge changes will be incorporated into the regional Emergency Response Plans. Review of the O&MP will ensure that the most accurate drawings and references are included in Book 7: Emergency Response.

In the event of a revision requirement before the annual review, a revision request may be submitted for consideration by completing and sending a Revision Request Form to the Manual Custodian of this Plan (Environment & Safety Clerk in the Superior Office). As required of CFR49 §194.121, within thirty days of a revision incorporated into the Emergency Response Plan, Pipeline and Hazardous Materials Safety Administration (PHMSA) will be notified.

The Revision Request Form is examined and when integrated, it is listed on the Annual Revision Sheet with the revisions sent to respective manual holders to update their manuals. The Revision Record within each manual is to be signed and dated whenever a revision is issued.



**Revision Request Form**

**Photocopy this form and return the original to your manual.**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Subject Title: \_\_\_\_\_

Section No.: \_\_\_\_\_ Subsection No.: \_\_\_\_\_ Page No.: \_\_\_\_\_

Date Issued: \_\_\_\_\_ (printed at top left-hand corner of page)

Existing wording: \_\_\_\_\_

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Proposed wording: \_\_\_\_\_

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Reason for change : \_\_\_\_\_

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Issued: 4/20/07

Submit Request Form to Manual Custodian.

Attn: Environment & Safety Clerk, Superior Office



### REVISION RECORD

Use this Revision Record to document the insertion of all revisions. After inserting a revision into your manual, enter the date inserted and your signature. Discard old pages. Detailed supporting documents (Revision Request Form) for each of the revisions are retained in the Superior Region Office.

Revision	Date Requested	Date Inserted	Signature
01			
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## Qualified Individual(s)

M. J. Willoughby  
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Superior, WI 54880  
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Business FAX: 715-394-1405  
24 hr contact: 800-858-5253 via Edmonton Control Center

T.W. Fridel  
Chicago Region General Manager, Enbridge (U.S.) Inc.  
1500 W. Main Street  
Griffith, IN 46319-  
Business: 219-922-3133 Ext. 201  
Business FAX: 219-922-3128  
24 hr. contact: 800-858-5253 via Edmonton Control Center

## RESPONSE ZONE DESCRIPTION

The Enbridge Liquids Pipeline System (Lakehead System) consists of four response zones. These response zones represent the regional boundaries designated in the normal operating structure. The response zones include:

- Superior Region
- Chicago Region
- Cushing Region
- Enbridge Pipelines North Dakota

The Superior Region response zone begins at the Canadian border near Neche, North Dakota at M.P. 773.72 and continues across northern Minnesota into Superior Wisconsin at M.P. 1098. This section of response zone includes eight pipelines that transport crude and natural gas liquids. The response zone continues south from M.P. 1098 in Superior WI to M.P. 97.23 with pipelines transporting crude oil products. A 30 inch pipeline originates in Superior WI at M.P. 1098 and transports crude oil and natural gas liquids across northern Wisconsin, the Upper Peninsula of Michigan and into lower Michigan where the response zone ends at M.P. 1544.30. The Superior Region system is comprised of:

- Approximately 2,085 miles of pipeline, with pipe diameters ranging from 18 to 48 inches;
- 29 Pump Stations are located along the pipes;
- The Superior System also includes 42 tanks (33 Tanks at Superior; 9 at Clearbrook). Breakout tanks are located at Superior, WI (6.8 million barrels storage capacity) and Clearbrook, MN (1.3 million barrels storage capacity).

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Counties included in the Superior Region response zone are.

<b>North Dakota</b>	<b>Minnesota</b>	<b>Wisconsin</b>	<b>Michigan</b>
Pembina	Kittson	Douglas	Cheboygan
	Marshall	Bayfield	Delta
	Red Lake	Washburn	Dickinson
	Polk	Sawyer	Emmet
	Clearwater	Ashland	Gogebic
	Beltrami	Iron	Iron
	Cass	Rusk	Mackinac
	Itasca		Marquette
	Aitkin		Otsego
	St. Louis		Schoolcraft
	Carlton		



This response zone includes the following pipelines:

Line	Pipeline Sections	Begin Stationing	End Stationing	Miles	Pipeline Diameter	Product
1	Gretna, Manitoba to Clearbrook, MN	0	716,232	135.7	20"	Crude Oil & Natural Gas Liquids
1	Clearbrook, MN to Superior, WI	716,232	1,712,883	189.8	18"	Crude Oil & Natural Gas Liquids
2	Gretna, Manitoba to Superior, WI	0	1,712,887	324.5	26"	Crude Oil
3	Gretna, Manitoba to Superior, WI	0	1,712,887	324.2	34"	Crude Oil
4	Gretna, Manitoba to Donaldson, MN	0	168,408	31.9	36"	Crude Oil
4	Donaldson, MN to Viking, MN	168,041	213,109	8.5	48"	Crude Oil
4	Donaldson, MN to Viking, MN	213,461	322,423	20.6	36"	Crude Oil
4	Donaldson, MN to Plummer, MN	320,971	393,021	13.6	48"	Crude Oil
4	Viking, MN to Plummer, MN	394,395	527,703	25.2	36"	Crude Oil
4	Viking, MN to Clearbrook, MN	526,404	545,840	3.7	48"	Crude Oil
4	Plummer, MN to Clearbrook, MN	547,141	647,345	19.0	36"	Crude Oil
4	Plummer, MN to Clearbrook, MN	645,406	716,261	13.4	48"	Crude Oil
4	Clearbrook, MN to Cass Lake, MN Loop	716,411	878,927	30.8	36"	Crude Oil
4	Cass Lake, MN Loop (MP939.87 to MP953.04)	877,981	946,695	13.1	48"	Crude Oil
4	Clearbrook, MN to Deer River, MN Loop	946,641	1,059,570	21.4	36"	Crude Oil
4	Deer River, MN Loop (MP974.73 to MP995.83)	(127,102)	1,173,196	22.0	48"	Crude Oil



Line	Pipeline Sections	Begin Stationing	End Stationing	Miles	Pipeline Diameter	Product
4	Cass Lake, MN to Floodwood, MN Loop	1,173,151	1,306,304	25.2	36"	Crude Oil
4	Floodwood, MN Loop (MP1019.73 to 1044.33)	1,299,654	(47,009)	24.6	48"	Crude Oil
4	Deer River, MN to Wrenshall, MN Loop	1,429,072	1,512,231	15.7	36"	Crude Oil
4	Wrenshall, MN Loop (MP1060.11 to MP1079.91)	1,512,091	1,616,806	20.0	48"	Crude Oil
4	Wrenshall, MN Loop to Superior, WI	1,616,840	1,712,760	18.2	36"	Crude Oil
13	Gretna, Manitoba to Clearbrook, MN	0	715,074	135.5	18"	Crude Oil
5	Superior, WI to Mackinaw, MI	0	1,993,306	377.5	30"	Crude Oil & Natural Gas
5	Straits of Mackinac East and West (*2)	1,993,306	2,015,016	8.2	20"	Crude Oil & Natural Gas
5	Straits of Mackinac to Lewiston Pump Station M.P. 1544.3	2,015,016	2,378,371	68.8	30"	Crude Oil & Natural Gas
6A	Superior, WI to M.P. 97.23 (Ladysmith, WI)	0	513,368	97.2	34"	Crude Oil
14	Superior, WI to M.P. 97.23 (Ladysmith, WI)	0	512,719	97.1	24"	Crude Oil

Numbers: Diversion Stationing



Line	Pipeline Sections	Begin Stationing	End Stationing	Miles	Pipeline Diameter	Product
4	Cass Lake, MN to Floodwood, MN Loop	1,173,151	1,306,304	25.2	36"	Crude Oil
4	Floodwood, MN Loop (MP1019.73 to 1044.33)	1,299,654	(47,009)	24.6	48"	Crude Oil
4	Deer River, MN to Wrenshall, MN Loop	1,429,072	1,512,231	15.7	36"	Crude Oil
4	Wrenshall, MN Loop (MP1060.11 to MP1079.91)	1,512,091	1,616,806	20.0	48"	Crude Oil
4	Wrenshall, MN Loop to Superior, WI	1,616,840	1,712,760	18.2	36"	Crude Oil
13	Greina, Manitoba to Clearbrook, MN	0	715,074	135.5	18"	Crude Oil
5	Superior, WI to Mackinaw, MI	0	1,993,306	377.5	30"	Crude Oil & Natural Gas
5	Straits of Mackinac East and West (*2)	1,993,306	2,015,016	8.2	20"	Crude Oil & Natural Gas
5	Straits of Mackinac to Lewiston Pump Station M.P. 1544.3	2,015,016	2,378,371	68.8	30"	Crude Oil & Natural Gas
6A	Superior, WI to M.P. 97.23 (Ladysmith, WI)	0	513,368	97.2	34"	Crude Oil
14	Superior, WI to M.P. 97.23 (Ladysmith, WI)	0	512,719	97.1	24"	Crude Oil

(Number) Diversion Stationing



# Company/Co-Op Equipment Lists

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### Enbridge Emergency Response Equipment

Enbridge owns and maintains extensive emergency response equipment throughout its liquid pipeline systems. This equipment is located at all Pipeline Maintenance facilities as well as other strategic locations along the system to ensure a prompt containment and recovery response in the event of a pipeline release. It is the responsibility of each Pipeline Maintenance Supervisor to ensure that the equipment is inventoried annually and restocked as resources are expended.

Further company owned and maintained equipment is stored at each pump station for immediate response until additional resources arrive. These resources are maintained and restocked by the respective site supervisors as needed.

Temporary storage is available via company owned and operated storage tanks throughout the pipeline system. Recovered product can often be off loaded at pump stations and re-injected into the pipeline. Numerous portable storage tanks are included in emergency response equipment inventories and in many areas, the company owns and maintains vacuum recovery trucks. Further details of this storage capacity can be found on the water recovery equipment inventory.

Enbridge has working agreements with Garner Environmental Services Inc. and Bay West to supplement resources in the event of a worst case discharge scenario. Both of these entities are United States Coast Guard (USCG) classified Oil Spill Response Organizations (OSRO's). A copy of the OSRO's equipment inventories are kept on file at each region office.

Numerous other HAZWOPER trained contractors may be utilized for emergency response and their contact information and resources can be found listed by response zone in the Enbridge Emergency Response Directory. Enbridge does not retain equipment inventory lists for all non USCG classified contractors.



## Company/Cooperative Equipment Lists

### Company-

Superior Terminal Inventory.....	3
Clearbrook Terminal Inventory.....	4
Thief River Falls PLM Inventory.....	6
Bemidji PLM Inventory.....	9
Superior PLM Inventory.....	12
Ironwood PLM Inventory.....	14
Escanaba PLM Inventory.....	16
Station Response Equipment Guidelines.....	22
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• Manistique Station	
• Gould City Station	
• St. Ignace Valve	
• Mackinac Station	
• Indian River	
Winter Spill Equipment.....	27
Primary Water Recovery Equipment.....	28

### Other-

#### **Government, Contractors or other Cooperative Resources-**

Twin Ports Mutual Aid Group.....	30
OSRO.....	33

#### **Canadian Cross Border Emergency Response Equipment**

Gretna Manitoba.....	34
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**SUPERIOR TERMINAL EMERGENCY RESPONSE INVENTORY**

QTY	DESCRIPTION
<b>SUPERIOR TERMINAL - FIRE BARN</b>	
6	Barricades
2	Foam Trailers - 700 Gal. & 500 Gal.
11	Barrels AFFF Foam
13	50 # Pails of Dry Chemical Fire Extinguishing Agent
49	Bundles Sorbent Pads - 100 / Bundle
14	Bags 8" x 10' Sorbent Booms - 40'/Bag
45	2 1/2" x 50' Fire Hose
11	Windssocks

**SUPERIOR TERMINAL - CONTINGENCY BUILDING**

10	Bags 8" x 10' Sorbent Booms - 40'/Bag
13	Bundles Sorbent Pads - 100/Bundle
4	#2 Shovels
2	Flat Shovels
4	Aluminum Scoop Shovels
1	Sledge Hammer
15	Bundles of 5 Fence Posts
7	50' x 3' Plastic Hose
3	50' x 3' Wire Fence
1	Roll Orange Safety Fence
4	15" x 8' Sorbent Booms

**SUPERIOR TERMINAL - MAINTENANCE SHOP**

9	Aluminum Scoop Shovels
4	Rakes
2	Fan Rakes
2	Pitch Forks
2	#2 Shovels
3	Square Shovels
2	Aluminum Square Shovels
3	Squeegees
2	Brooms
7	10 Minute Emergency Escape Packs

**SUPERIOR TERMINAL - CONTROL BUILDING**

1	Pair Chest Waders
1	Square Shovel
2	Snow Blade Shovels



**SUPERIOR TERMINAL - CONTROL BUILDING cont.**

QTY	DESCRIPTION
4	Scrapers
4	Squeegees
5	Aluminum Scoop Shovels
1	100' Rope
3	4" x 20' Suction Hoses
1	Air Mover
	Assorted Sets of Fire Retardant Pants and Shirts
9	Fire Retardant Coveralls
4	Rescue Harnesses
3	Reflective Vest

**SUPERIOR TERMINAL - MISCELLANEOUS**

6	SCBA Air Packs
	Tank Rescue Equipment - Rigging, Harnesses, Sled, etc.

**CLEARBROOK TERMINAL EMERGENCY RESPONSE INVENTORY**

**CLEARBROOK TERMINAL - MAIN BUILDING**

5	Escape Packs
3	30 Minute Scott SCBA's
1	Tank Rescue Equipment
4	Harness'
8	Assorted Fire Retardant Coveralls
30	Tyvek Coveralls
4	Squeegees
4	Snow Shovels
7	Windsocks

**CLEARBROOK TERMINAL - UTILITY BUILDING**

1	500 Gal. Foam Trailer (Full)
4	Squeegees
2	Aluminum Scoop Shovels
2	Square Shovel
2	Leaf Rakes
1	Garden Rake
1	Sledge Hammer
1	Axe
3	Ice Scrapers
22	2 1/2" Fire Hose (50' Rolls)
4	1 1/4" Fire Hose (50' Rolls)
13	50 # Pails of Purple K Fire Extinguisher Agent
1	55 Gal. Barrel of AFFF Foam

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**CLEARBROOK TERMINAL - UTILITY BUILDING cont.**

QTY	DESCRIPTION
4	3" Suction Hose (10' Piece)
6	2" Suction Hose (10' Piece)
6	3" Discharge Hose (50' Rolls)
5	2" Discharge Hose (50' Rolls)
100'	Rope
1	Pressure Washer/Steamer
2	Brooms

**CLEARBROOK TERMINAL - NEW COLD STORAGE BUILDING**

7	Bags of Sorbent Pads (100/Bag)
28	3"x 8' Sorbent Booms
5	Bags of 8"x 10' Sorbent Booms (40' /Bag)
5	Box of Tyvek Coveralls (25/Box)
1	2" Diaphragm Pump
1	1" Diaphragm Pump
5	2" Suction Hose (10' Piece)
2	2 Pneumatic Air Movers

**CLEARBROOK TERMINAL - PRESSURE WASHER BUILDING**

3	Squeegees
2	Brooms
1	Pressure Washer/Steamer
1	Generator

**CLEARBROOK TERMINAL - OLD COLD STORAGE BUILDING**

20	Rolls of Snow Fence (Orange)
40	Fence Posts

**CLEARBROOK TERMINAL - LEAK RESPONSE STORAGE PIPE**

3	#2 Shovels
4	Rolls of Chicken Wire (50' Roll)
20	Fence Posts
4	Rolls of Snow Fence (Orange)
5	2 ½" Fire Hose (50' Rolls)

**CLEARBROOK TERMINAL - MANIFOLD BUILDING**

14	2" Suction Hose (10' Piece)
1	Air Mover



**CLEARBROOK TERMINAL - METERING BUILDING**

QTY	DESCRIPTION
3	Brooms
85	Sorbent Pads

**THIEF RIVER FALLS PLM ER INVENTORY**

**THIEF RIVER FALLS PLM MISCELLANEOUS**

6	2" Trash Pumps and Hoses
1	3" Trash Pump and Hose
1	3" Air Pump with Air Fittings and Hose
2	2" Air Pump with Air Fittings and Hose
1	Air Compressor
2	Hydraulic Pumps with Fittings for Power Units - Includes 3' Discharge Ports
6	Aluminum River Anchors
6	2" Air Pumps, 2" & 3" Discharge
1	1800 Gal. Port-a-Storage Tank with Liner
22	3" Hoses
10	2" Hoses
18	Bundles Sorbent Pads - 100 /Bundle
18	Bundles of Sorbent Booms 8" x 40' = 720'
3	Manifolds (Assorted Sizes - 3"x 2", 3"x 3", 2"x 2", 2"x 3")
2	Plastic River Dams
1	Extra Generator & Cords
1	Skimmer Power Pak

**THIEF RIVER FALLS PLM COMMAND POST**

1	Honda Generator
1	8' Table
8	Chairs
1	Grease Board with Markers & Erasers
1	Company Radio with A/C Converter & Directory
1	Emergency Weather Band Radio
1	Incident Command Chart
1	Site Safety Plot Plan Chart
1	Wind Sock with Mounting Bracket
8	Safety Vests
1	Set Incident Command Vests
3	Post Incident Drug/Alcohol Test Kits
1	TV / VCR Combo
1	Coffee Maker & Supplies
	Operating & Maintenance Manuals
	Safe Work Permit Books

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**THIEF RIVER FALLS PLM COMMAND POST cont.**

QTY	DESCRIPTION
	Emergency Response Directory
	Contractor Handbook
	Minnesota Atlas
	Safety Orientation Video
	Flashlights
	Extra Gloves and Earplugs
	Safety glasses - Dark and Light
	Flare Gun & Cartridges
	Pipeline Strip Maps
	Hard Hats
	Trash Bag
	Caution Tape

**THIEF RIVER FALLS PLM BOOM TRAILER INVENTORY**

200'	16" Floating Containment Boom
750'	18" Floating Containment Boom
300'	24" Floating Containment Boom
6	Bundles of Sorbent Booms 8" x 40' = 240'
2	8' Oil Skimmers
8	Adjustable Boom Deflectors
5	Anchor Marker Buoys with Connectors
8	Totes of Nylon Rope (Various Lengths - 25', 50', 100', 150'), with Quick Connect Fittings
1	Sledge Hammer
4	Drive in Post Anchors

**THIEF RIVER FALLS PLM LEAK TRAILER**

1	Metal Stretcher
1	Roll ½" Nylon Rope
1	Roll ¾" Nylon Rope
2	Stop / Slow Signs
1	Roll Plastic Fence
2	Stihl Chainsaws with Ice Blades
2	Quarts Chain Saw Oil
2	Pair Chain Saw Chaps
2	Chain Saw Hard Hats with Ear Muffs and Face Shields Attached
3	Pair Ice Tongs
4	Slotted # 2 Shovels
2	# 2 Shovels
1	Bolt Cutter
1	Axe
1	Post Pounder for Fencing
1	Staple Gun



**THIEF RIVER FALLS PLM LEAK TRAILER cont.**

QTY	DESCRIPTION
1	3 in 1 Cutter
1	3" Skimmer with Air Hose and Controls
5	Face Shields with Hard Hat Adapters
8	Sets Rain Gear
10	Rolls Reflective Tape
2	Reflective Vests
1	12V Spotlight
2	AC Trouble Lights
12	Pair Rubber Gloves
8	Pair NGL Sleeves
2	Windssocks with Attachments for Mounting on Leak Trailer
4	Flashing Lights with Holders
6	Safety Belts
6	NGL Aprons
10	Pair Insulated Rubber Gloves
8	Security Barricades
25	Safety Cones
1	Fire Extinguisher -30# Ansul
2	Bundles, Absorbent Pads
1	Eskimo ice auger
36	Decontamination Suits
2	Poly Sprayers for Decon
4	Tubs for Decon
4	55 Gal. Containers with Covers
1	Box of Rags
12	Life Vests - Assorted Sizes (Two Containers)
1	25" Extension Cord
24	"Bird Chasers" - Wildlife Deterrents
1	Aerial Owl Predator
5	Rolls Plastic Sheeting
9	Pairs, Ice Picks of Life
1	Eagle Predator
8	Safety Belts and Ropes
1	First-Aid Kit
2	Fire Blankets
	Assorted Kamlock Fittings
	Assorted Floats
	Assorted Lumber - 2 x 4 x 12, 2 x 6 x 12

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**BEMIDJI PLM ER INVENTORY**

**BEMIDJI PLM MISCELLANEOUS**

QTY	DESCRIPTION
2	3000 Watt Generator
1	3500 Watt Generator
4	3" Gas Water Pump
2	2" Gas Water Pump
12	2" Electric Water Pump
3	3" Hydraulic Oil Pump
2	3" Air Oil Pump
25	2" X 50' Discharge Water Hose
8	3" x 50' Water Discharge Hose
20	3" x 20' Water Suction Hose
6	2" x 20' Water Suction Hose
22	3" X 20' Oil Suction Hose
13	2" X 20' Oil Suction Hose
24	2" X 8' Oil Sorbent Mini Booms
5	50' Fast Water Boom
20	Pairs of Ice Cleats
7	Rolls of 3/4" Twist Poly Rope 600'/Roll
20	30" Squeegee's
4	Drums for 4' Skimmer
4	Drums for 8' Skimmer
80	8" x 10' Oil Sorbent Boom
24	Bags 17" x 19" Oil Sorbent Pads 100/Bag
2	38" x 144' Oil Sorbent Rolls

**BEMIDJI PLM BOOM TRAILER INVENTORY- # 386**

200'	Sorbent Boom
500'	Floating Oil Containment Boom
2	Bridge Pier Bridles
8	Boom Couplers
7	Buoy Markers
15	Tow Bridles
4	Life Jackets
1	Windsock
1	First-Aid Kit

**BEMIDJI PLM LEAK TRAILER #109**

10	Bundles Sorbent Pads - 100/Bundle
200'	Sorbent Boom
2	Scott Air Packs
1	Generator
1	2" Water Pump



**BEMIDJI PLM LEAK TRAILER #109**

<b>QTY</b>	<b>DESCRIPTION</b>
4	Road Barricades W/Flashing Lights
15	Pair Iceman Boots
15	Pair Hip Boots
2	Fire Extinguishers
1	Axe
1	Sledge Hammer
8	Shovels
1	First-Aid Kit
5	Protective Sleeves
5	Pair Insulated Gloves
10	Sets Fire Retardant Rain Gear
10	Pair Rubber Gloves
5	Face Shields
5	Aprons
7	Respirators
10	Reflective Vests
4	Safety Belts With Tag Lines
2	Fire Blankets
4	Danger Signs
	Incident Command System Vests
2	12-Volt Spot Lights
1	Windsock
	Assortment of Reflective Tape and Caution Tape
15	Pair of Coveralls
7	Winter Coats
1	Winter Bib
1	Roll of Rope
1	Box Scare Balloons For Wildlife
1	Megaphone
1	Stretcher
12	Fence Posts
1	Roll Fence
2	2" Rigid Suction Hose
2	3" Rigid Suction Hoses
1	2" Discharge Hose
1	Chain Saw
1	Scare Eagle for Wildlife
2	3" Diaphragm Pumps
3	Life Vests
3	Sets of Ice Cleats
3	Slow/Stop Signs



**BEMIDJI PLM LEAK TRAILER #292**

<b>QTY</b>	<b>DESCRIPTION</b>
2	Elastec 8' Skimmers
1	4' Elastec Skimmer
1	Elastec Mini Max Skimmer
1	Sea Ray Skimmer
1	Skim Pack Skimmer
1	Boli Cutter
1	Sledge Hammer
1	Windsock
1	First-Aid Kit
1	Stretcher
1	Post Pounder
4	20' Lengths of Chain
12	Fence Posts
1	Roll Fencing
1	1800 Gal. Port-a-Tank and Liner
9	Pairs Insulated Rubber Gloves
6	Pairs of Rubber Gloves
6	Rain Coats & Rain Bibs
7	Screw Anchors
1	Flashing Amber Light
1	Spot Light
12	Boom Connectors
6	Pairs-Hip Boots
2	Pairs-Chest Waders
1	Danger Sign
1	No Smoking Sign
20	Ice Picks
1	Fire Blanket
1	Reel of Blue Rope, 500' in 25' Sections With Safety Snaps
1	Reel of Yellow Rope 500' in 50' Sections With Safety Snaps
1	Reel of Green Rope 500' in 100' Sections With Safety Snaps
2	Reels of Orange Rope 750' in 150' Sections with Safety Snaps
2	2"-3" Kamlock Fitting, Male-Female Thread
2	2"-3" Kamlock Fitting, Female-Female Thread
2	2"-3" Kamlock Adapters
2	2" Kamlock Fittings Male Adapter Female Thread
2	2" Kamlock Fittings Female Adapter Female Thread
3	Sets of Skimmer Hose
2	30# Fire Guns (Dry Chemical)
6	Life Jackets
11	Hose Floats
2	Big Aluminum Anchors
5	3" Diameter Floating Hose 10' Long Each



**BEMIDJI PLM LEAK TRAILER #292 cont.**

QTY	DESCRIPTION
1	3" x 35' Long Hose
1	Axe
3	Shovels
2	2" x 8" x 12' Lumber
7	2" x 4" x 12' Lumber
1	Environment Back Pack

**SUPERIOR PLM ER INVENTORY**

**SUPERIOR PLM BOOM TRAILER INVENTORY**

6	Bundles of Sorbent Pads (100/Bundle)
250'	Sorbent Boom
100'	Containment Boom - Small
2100'	Containment Boom - Open Water
700'	Floating Containment Boom w/ Quick Latch Couplings
5	Boom Tow Bridles
4	Fabricated Disk Anchors
4	Danforth Anchors
4	15' Lengths ½" Anchor Chain
29	Assorted Kamlock Fittings
1	Skim-Pak Skimmer
1	Manta Ray Skimmer
10	Pair Steel-Toed Chest Waders
4	Pair Neoprene Gloves
6	USCG Approved Life Vests
4	Shovels
1	Sledge Hammer
1	Bolt Cutter
2	Axe
10	Steel Fence Posts
2	Drive in Fence Post Anchors
5	Screw in Fence Post Anchors
1	Megaphone
1	12 volt Handheld Spotlight
1	Amber 12 Volt Strobe Light
	Assorted Fencing / Chicken Wire
	Assorted 2 x 4 x 12 2 x 6 x 12 Lumber

**SUPERIOR PLM MISCELLANEOUS**

5	12" Orange Round Water Buoys w/Weights
2	Towable Bridles w/Floats
3	ResQDisc Throwable Floatation w/Rope

**ENBRIDGE**

**SUPERIOR PLM MISCELLANEOUS cont.**

QTY	DESCRIPTION
11	Rescue Harnesses
200	Ft. Rope
2	3" Gas Pumps
7	2" Gas Pumps
1	2" Diaphragm Pump
1	3" Air Pump
3	3" Hydraulic Pumps
2	3" Air Diaphragm Pumps
360	Ft. 2" Hose
20	Ft. Floatable 2" Hose
400	Ft. 3" Hose
20	Ft. Floatable 3" Hose
420	Ft. 4" Hose
450	Ft. 6" Hose
5	Personal Floatation Devices

**SUPERIOR PLM LEAK TRAILER**

7	Bundles Sorbent Pads ( 100/Bundle )
1	Roll Sorbent Pads
10	Bundles of Sorbent Boom ( 40'/Bundle )
5	Bags Absorbent Cellulose
150'	Floating Containment Boom
50'	Containment Boom - Small
4	8' Boom Deflectors
1	4' Oil Skimmer
1	8' Oil Skimmer
4	Fire Blankets
2	Wind Socks
7	Pair Insulated Rubber Gloves
13	Pair Rubber NGL Sleeves
15	NGL Aprons
5	Face Shields
6	Nomex Coveralls
1	First-Aid Kit
1	Stretcher
4	Road Barricades
4	Stop / Slow Signs
12	Safety Vests
9	Rolls Caution Tape
12	Amber Flashing Light
17	Safety Cones (Orange)
1	Roll Plastic Fencing



**SUPERIOR PLM LEAK TRAILER cont.**

QTY	DESCRIPTION
12	Fence Posts
2	Trouble Lights
1	12 Volt Spotlight
1	Box Wildlife Deterrent
1	3" Air Operated Diaphragm Pump
1	3" Hydraulic Pump
3	2" Hard Suction / Discharge Hose
1	2" Discharge Hose
1	2" Female to 3" Male Kamlock Fitting
1	3" Male to 2" Male Kamlock Fitting
4	Heavy Lanyards
2	Miscellaneous Lengths of Heavy Rope
1	Grounding Rod and Cable
1	Bolt Cutter
4	Shovels
1	Axe
1	Roll of Heavy Plastic
2	Rolls of Chicken Wire
1	Winch

**IRONWOOD PLM ER INVENTORY**

**IRONWOOD PLM MISCELLANEOUS**

QTY	DESCRIPTION
20	Bundles Sorbent Boom
2	150,000 BTU Heaters
1	Quick Tent
1	Power Ice Auger
1	Hand Auger
1	3500 Watt Generator
1	4000 Watt Generator
2	3" Pumps
3	Bundles Sorbent Pads
3	3" FR Hoses
5	3" Flexible Discharge Hoses
7	2" Flexible Discharge Hoses
20	3" Rigid Hoses
10	2" Rigid Hoses
25	Rolls Orange Fence
2	2" Multi-Quip Pumps
10	Road Barricades
2	Portable Lights
1	Light Plant

**ENBRIDGE**

**IRONWOOD PLM MISCELLANEOUS cont.**

QTY	DESCRIPTION
4	Scott Air Paks
500'	Floating Oil Boom w/Quick Latch Couplings (6" Skirt)
12	50' Lengths of 4" Boom w/Couplers and Tow Bridles
8	6" Boom Tow Bridles
12	4" Boom Tow Bridles
5	Sorbent Boom 6" X 10' 4/Bag- 200'
2	Boom Connectors
5	Bales Sorbent Pads 17" X 19" 100/Bale
2	Bales Sorbent Boom 4/Bale
6	Anchors-15 # Danforth
4	Anchors- Fabricated Disk
5	Buoys
1	Elastec Power Unit
1	4' Elastec Drum Skimmer
2	30' Skimmer Hoses
2	3" Metal 45° Fittings
1	3" Air Operated Diaphragm Pump
5	3" X 10' Floating Discharge Hose
1	25' Discharge Hose
1	50' X 2" Discharge Hose
5	Hose Floats
1	1800 Gal. Port-a-Tank and Liner
1	Lot Ropes w/Connectors
6	Safety Belts
2	Safety Belts w/Tail Lines
1	Axe
1	Sledge Hammer
4	Shovels
9	Fire Retardant Rain Gear
7	Body Harness'
1	12 Volt Strobe Light
1	12 Volt Hand Held Spot Light
12	Life Vests
1	Bolt Cutter
1	Lot Rubber Gloves
10	Coveralls
2	Wind Socks
6	Screw in Fence Post Anchors
12	Fence Posts
1	Post Driver
1	Post Hole Digger
1	Hacksaw
2	Hammers



**IRONWOOD PLM BOOM TRAILER INVENTORY**

<b>QTY</b>	<b>DESCRIPTION</b>
1	Assorted Lumber and Nails
1	1000 Watt Honda Generator
1	Husky Power Saw
1	Stihl Power Saw
1	Loi Bar Oil
1	Stihl Leaf Blower
1	Warn Electric Winch
1	First-Aid Kit
1	NGL Flare Gun
1	Stretcher
3	Wool Blankets
1	Megaphone
3	Pitch Forks
1	50' Drop Cord
1	Fire Blanket
2	Danger Signs
1	Incident Command Chart
1	Case Garbage Bags
1	Bale Rags
1	Lot Tape (Caution and Reflective)
10	Hip and Chest Waders
1	Lot Ice Cleats
3	Pike Poles
19	Picks of Life

**ESCANABA PLM ER INVENTORY**

500'	Floating Oil Boom w/Quick Latch Couplings (6" Skirt on Boom)
6	50' Lengths of 4" Boom w/ Couplers and Towing Bridles
2	Boom Tow Bridle
2	Oil Sorbent SPC Sweep
6	Sorbent Boom 6"x10' 4/Bag - 240'
1	Sorbent Boom 5"x10' 4/Bag - 40'
7	Bales of Sorbent Pads 17"x19" 100/Bale
2	Bales of Sorbent Boom 4/Bale
4	Anchors -15# -Danforth
4	Anchors - Fabricated Disc.
4	Buoys
1	Skim-Pak Weir Skimmer w/Discharge+Hose+Wand Extension+Screen
1	Mania-Ray Floating Suction Head
1	Elastic Power Unit Motor Manual + Tools
2	3" Metal 45s for Pipe for Skimmer



**ESCANABA PLM BOOM TRAILER cont.**

<b>QTY</b>	<b>DESCRIPTION</b>
1	3" Air Operated Diaphragm Pump with 3" Kamlocks
2	15' x 3" Floating Discharge Hose
4	15' x 3" Rigid Suction/Discharge Hose
1	3" Discharge Hose
2	50' x 2" Discharge Hose
2	2" Hose Floats
1	1800 gal. Port-a-Tank and Liner
1	50' ½" Rope with Quick Disconnect Fitting
5	25' ½" Rope with Quick Disconnect Fitting
1	Roll with ½" Plastic Rope (¼ roll) (Yellow)
1	¾" Rope
3	25' Ropes for Body Harness
1	Axe
1	Sledge Hammer
4	Shovels
5	Reflective Vests
2	Body Harness
1	Amber 12-Volt Strobe Light
1	Pair of Snorkel Rubber Gloves
1	12-Volt Hand-Held Spotlight
5	Life Vest Type 2
2	Life Vest Type 1
1	Bolt Cutter
9	Pairs of Neoprene Rubber Gloves Long Sleeves
9	Deluxe Safety Vest
1	Roll of Orange Fence
1	Wind Sock
5	Screw in Fence Post Anchors
21	Fence Post
2	Rolls of Fence (Chicken Wire)
2	Rolls of Bailing Wire
4	12' 2x6s
4	12' 2x4s
1	16' Probe
2	3" Male to Female Threads
2	3" Female to Female Threads
4	3" Male to Male Threads
4	3" Female to 2" Male Adaptor
2	3" Male to 2" Female Adaptor
4	2" Male to Male Threads
2	2" Male to Female Threads
2	2" Female to Female Threads



**MISCELLANEOUS EMERGENCY RESPONSE EQUIPMENT**

1	Power Unit for Skimmers
1	4' Drum Skimmer
1	8' Drum Skimmer
1	20' Section of 3" Suction Hose
2	20' Section of 2" Suction Hose
3	50' Sections of 2" Discharge Hose
1	3" Discharge Hose
4	Hose Floats for 3" Hose
1	3500 Watt Generator
2	36" Chainsaw for Ice Slotting
4	1 Gal. Containers of Bar Oil
1	8" Power Ice Auger
1	6" Hand Ice Auger
1	Backpack Blower
18	Ice Picks of Life
1	Portable 12 Volt 3500 lb Winch
9	Rolls of Silt Fence
14	Bales of Sorbent Pads
2	12' Aluminum Pike Poles
1	Bale of Sand Bags
1	Roll of Plastic
5	Pullover Harnesses
1	18" Lund Boat with 50hp Motor & Trailer
2	Oars
6	Life Vests
2	Anchors
1	Telescoping Gaff Hook
1	Hand Held Spot Light
1	Tow Bridle
1	2" Mud Sucker Pump
2	3" Trash Pumps
2	2" Trash Pumps
1	4" Hydraulic Pump
2	2" Electric Pumps

**ESCANABA PLM LEAK TRAILER ( VAN )**

4	25' Wire Rope Slings
4	12' Blue Slings
4	10' Red Slings
4	8' Red Slings
2	6' Red Slings
6	10' Yellow Slings
2	8' Yellow Slings
2	4' Yellow Slings
4	12' Wire Slings with Hooks
2	20' Extension Ladders

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**ESCANABA PLM LEAK TRAILER ( VAN ) cont.**

QTY	DESCRIPTION
1	Pitch Fork
6	Spade Shovels
1	Post Hole Digger
2	Rakes
2	Axes
1	Pick Axe
5	Assorted Pipe Wrenches
3	12' Crescent Wrenches
1	Metal Probe with Extension
2	150 # Fire Extinguishers
4	30 # Fire Extinguishers
1	Air Spade
1	Jack Hammer/Assorted Bits
4	Journal Jacks with Caps
1	Post Pounder
1	12 # Sledge Hammer
2	Tent Pole Bands with Poles
1	36" Bolt Cutter
1	1 Ton Chainfall
1	3 Ton Com-a-Long
4	Bales of Sorbent Pads -
2	Scott Air Paks
1	Roll of Visqueen Plastic
24	Wooden Lathe
7	Face Shields with Spare Shields
1	Emergency Back Board
1	Air Lifting Bag
2	Bundles of Silt Screen
1	Air Operated Air Mover
1	Loud Speaker
4	½" 20 ft. Jacking Chains
6	Gas Cans
2	20 # Propane Tanks
2	Empty 5 Gal. Pails
	Motor Oil
	Chainsaw Bar and Chain Oil
	Assortment of Alkaline Batteries
	Pocket Penetrometer Soil Tester
	Tool Kit for Chain Saws
	Assortment of Chains and Locks
4	Cans of Marking Paint
	Assorted Wire Brushes
2	Rolls of Duct Tape
	Garbage Bags



**ESCANABA PLM LEAK TRAILER ( VAN ) cont.**

QTY	DESCRIPTION
3	Rolls of Caution Tape(Yellow)
	Numerous Assorted Kamlock Fittings (Various Sizes and Threads)
	Assorted Pipe Plugs (Various Sizes)
	Assorted Pipe Adapters (Various Sizes)
	Assorted Pipe Reducers (Various Sizes)
1	25' 110 Volt Trouble Light
1	20 oz. Stanley Claw Hammer
4	No Smoking Signs (Orange and Yellow)
2	48 Quart Coolers
1	Electric Air Mover
10	Flashing Emergency Lights (Orange)
34	6 Volt Batteries
20	Pair of Long Rubber Gloves
9	Pair of Short Rubber Gloves
18	Orange Vests
7	Pair of Yellow Rubber Sleeves
4	Windsocks
4	Stop Signs
2	Fire Blankets
1	12 Volt Spot Light
10	Sets of Rain Gear
4	Safety Belts
3	Safety Belt Tag Lines
4	Pair of Lineman Gloves
3	Hard Hats
8	Pair of Blue Nomex Coveralls
5	Pair of Red Nomex Coveralls
1	5 Gal. Water Cooler
1	3 Gal. Water Cooler
1	Coffee Pot
10	Gal. of Purple K-Fire Extinguishing Agent
1	1000 Watt Generator
200	Sand Bags
2	Drain Tubs
2	Extra Air Hose
	Assorted Tent Poles
	Assorted Fence Posts
2	2" Air Pumps for Oil Recovery
2	3" Air Pumps for Oil Recovery

**ESCANABA PLM DECON TRAILER/COMMAND POST**

	TV / VCR Combo with Safety Orientation Videos
1	UHF Radio - Stamped Unit 1301



**ESCANABA PLM DECON TRAILER/COMMAND POST cont.**

QTY	DESCRIPTION
1	Marine Radio with Channels List
1	Scanner
5	Jerk and Run Portable Company Radios
2	Hand Held Radios with Chargers
10	Telephones
1	12 Volt Power Supply
1	Clock
4	Power Strips
3	Flashlights
	MSDS Binder
	Decon Trailer Manual
	Superior Region Control Point Maps
	Pipeline Route Sheets
	Site Safety Plot Plan
	Federal and Ship Radio Authorization Papers
1	Easel Tripod with Paper Pad
1	Grease Board/Markers
2	Cork Bulletin Boards
	Miscellaneous Office Supplies
2	Office Chairs
7	Folding Chairs
3	First-Aid Kits
2	Fire Extinguishers
1	Microwave
1	Refrigerator
2	Fire Blankets
1	Windsock
1	Convection Oven
1	Portable Hot Plate
1	Coffee Pot
5	Incident Command Vests



## Station Response Equipment Guidelines

Enbridge retains the suggested minimum response materials at each pump station along our pipeline system. This equipment is intended for minor spills or short term containment until additional resources arrive.

(These quantities are suggested minimums – each location is encouraged to add or modify this list based on needs specific to that location)

- 200 feet – 5" Sorbent Boom
- 200 feet – 8" Sorbent Boom
- 2 – Bales Sorbent Pads ( 17' x19" x 3/16" ) minimum 100 pads per bale
- 2 – Bales Sorbent Pads ( 17' x19" x 3/8" ) minimum 100 pads per bale
- 5 – Bales Sorbent Roll ( 38" x 144' x 3/8" )

<b>IRON RIVER STATION</b>	
<b>IRON RIVER STATION BOOM TRAILER INVENTORY</b>	
<b>QTY</b>	<b>DESCRIPTION</b>
150'	6" Containment boom
1	Boom Bridle
120'	Sorbent Boom
7	Bundles Sorbent Pads ( 100 each )
2	Life Jackets
2	FR Reflective Vests
1	Pkg Rubber Gloves
1	Roll Caution Tape
2	Flash-Lites
2	Chest Waders
1	Sledge Hammer
1	Rake
1	Windsock
4	#2 Shovels
1	Hack Saw
1	50' Nylon Rops
1	100' Braided Rope
1	Pike Pole



<b>MANISTIQUE BOOM TRAILER INVENTORY</b>	
<b>QTY</b>	<b>DESCRIPTION</b>
300'	Floating Oil Boom w/Quick Latch Coupling (6" skirt on boom)
4	Boom Tow Bridle
5	Sorbent Boom Bales 8"x10' 4/Bale
5	Sorbent Boom Bales 5"x10' 4/Bale
1	Sorbent Pads 17"x19" 200/Bale
1	Sorbent Pads 17"x19" 100/Bale
1	½" Rope 100'
4	½" Ropes 25' with Hooks
6	Shovels
1	
1	Sledge Hammer
2	Claw Hammer
25	Fence Post
3	Row of Fence (Chicken Wire)
1	Culvert
5#	16 Penny Nails
1	Windsock & Pole
2	Row of Baling Wire
2	Flashlights/Batteries
2	Life Jackets
2	Chest Waders (Size 10&12)
1	Electrician Pliers
1	Garbage Bags (Box of 100)
1	Safety Barricade Tape (Yellow)
1	Tin Snips
1	Hacksaw with 6 Blades
2	Reflective Vests
2	Permalon 40'x100' ply 210
6	Neoprene Rubber Gloves
2	Hip Boots (Size 10&12)
1	Telescoping Gaff Hook
10	12' 2X4s
10	12' 2x6s
<b>GOULD CITY STATION</b>	

<b>GOULD CITY BOOM TRAILER INVENTORY</b>	
<b>QTY</b>	<b>DESCRIPTION</b>
300'	Floating Oil Boom w/Quick Latch Coupling (6" Skirt on Boom)
4	Boom Tow Bridle
5	Sorbent Boom Bales 8"x10' 4/Bale
5	Sorbent Boom Bales 5"x10' 4/Bale
1	Sorbent Pads 17"x19" 200/Bale
1	Sorbent Pads 17"x19" 100/Bale
1	½" Rope 100'



**GOULD CITY BOOM TRAILER INVENTORY cont.**

QTY	DESCRIPTION
4	1/2" Ropes 25' with Hooks
6	Shovels
1	Rake
1	Sledge Hammer
2	Claw Hammer
25	Fence Post
1	Culvert
5#	16 Penny Nails
1	Windsock & Pole
2	Row of Baling Wire
2	Flashlight/Batteries
2	Life Jackets
2	Chest Waders (Size 10&12)
1	Electrician Pliers
1	Garbage Bags (Box of 100)
1	SafetyBarricade Tape (Yellow)
1	Tin Snip
1	Hacksaw with 6 Blades
2	Reflective Vests
2	Permalon 40'x100' ply 210
6	Neoprene Rubber Gloves
2	Hip Boots (Size 10&12)
1	Telescoping Gaff Hook
10	12' 2x4s
10	12' 2x6s

**ST. IGNACE VALVE YARD**

**ST. IGNACE BOOM TRAILER INVENTORY**

1000'	Floating Oil Boom w/Quick Latch Couplings - 16" Skirt on Boom
1	BoomTow Bridle
5	Anchors-with Chains & Rope
5	Buoys Markers with Lights & Ropes & Batteries
2	Bales 40' each 6"x10" Sorbent Boom
2	Bales 40' each 8"x10" Sorbent Boom
1	Bales oil Sorbent Sweep 17"x100"
1 1/2	Bales of Sorbent Pads 17"x18" 100/Bale
1	Bales of Sorbent Rolls 38"x144"
1	3" Air Operator Diaphragm Pump c/w 3" Kamlocks
1	Generator 2500 Watts
4	Life Jackets
1	Gaff Hook
4	Pairs of Hip Boots 2 EA. (Size 10 & 12)
4	Packs of Slip Protection for Boots



**ST. IGNACE BOOM TRAILER INVENTORY cont.**

QTY	DESCRIPTION
1	Fast Tank+1 Fast Tank Saddle Assembly
5	Rain Pants
2	Rain Jackets
1	Quick Tank
1	Cover for Tank
4	Shovels
1	Sledge Hammer
1	Hammer
12	Fence Posts
1	Bag of Fence Ties
1	Bag of 16 Penny Nails

**MACKINAC STATION**

**MACKINAC BOOM TRAILER**

1000'	Floating Oil Boom w/Quick Latch Couplings (16" Skirt on Boom)
1	Boom Tow Bridle
5	Anchors-with Chains & Rope
5	Buoys Markers with Lights, Ropes & Batteries
2	Bales 40' each 6"x10" Sorbent Boom
2	Bales 40' each 8"x10" Sorbent Boom
2	Bales Oil Sorbent Sweep 17"x100"
2	Bales of Sorbent Pads 17"x18" 100/Bale
1	Bales of SorbentPads 100/Bale 17"x19"
2	Bales of Sorbent Rolls 38"x144"
1	3" Air Operater Diaphragm Pump c/w 3" Kamlocks
1	Generator 2500 Watts
4	Life Jackets
1	Gaft Hook
4	Pairs of Hip Boots 2 EA.(Size 10 & 12)
4	Packs of Slip Protection for Boots
1	Fast Tank + 1 Fast Tank Saddle Assembly
5	Rain Pants
2	Rain Jackets
1	Quick Tank
1	Cover for Tank
4	Shovels
1	Sledge Hammer
1	Hammer
12	Fence posts
2	Rolls of Baling Wire
1	Bag of Fence Ties
1	Bag of 16 Penny Nails



**INDIAN RIVER STATION**

**INDIAN RIVER BOOM TRAILER INVENTORY**

400'	Floating Oil Boom w/Quick Latch Coupling (6" Skirt on Boom)
4	Boom Tow Bridle
5	Sorbent Boom Bales 8"x10' 4/Bale
5	Sorbent Boom Bales 5"x10' 4/Bale
1	Sorbent Pads 17"x19" 200/Bale
1	Sorbent pads 17"x19" 100/Bale
4	1/2" Rope 100'
1	1/2" Ropes 25' with Hooks
6	Shovels
1	Rake
1	Sledge Hammer
2	Claw Hammer
25	Fence Post
3	Row of Fence (Chicken Wire)
1	Culvert
5#	16 Penny Nails
1	Windssock & Pole
2	Row of Baling Wire
2	Flashlight/Batteries
2	Life Jackets
1	Chest Waders (Size 10-12)
1	Electrician Pliers
1	Garbage Bags (Box of 100)
1	Safety Barricade Tape (Yellow)
1	Tin Snip
2	Hacksaw with 6 Blades
2	Reflective Vests
6	Permalon 40'x100' ply 210
2	Neoprene Rubber Gloves
1	Hip Boots (Size 10-12)
10	Telescoping Gaff Hook
10	12' 2x4s
10	12' 2x6s

**ENBRIDGE ENERGY WINTER SPILL EMERGENCY RESPONSE EQUIPMENT**

WINTER EQUIPMENT	Thief River Falls	Bemidji	Superior	Ironwood	Escanaba
Backpack Leaf Blowers	1	1	2	1	1
Portable Heaters - All	2	2	2	2	2
Power Ice Augers	1	1	1	1	1
Chainsaws	2	2	2	2	1
Winches	1	1	1	1	1
50' Lengths Mini Boom	3	3	3	6	8
Tow Bridles	6	3	3	6	16
Pike Poles	3	3	0	2	3
Pick-of-Life	12	24	5	10	10
3500w - 10000w Generator	1	1	1	1	1
Hydraulic Submersible Pumps	2	1	3	1	1
1 lot Aluminum Camlock Fittings	1	1	1	1	1
25' Length 2" Low Temp Hose	2	2	2	2	2
LWT Hose Floats for 3" Hose	0	0	0	2	0
Hand Ice Augers w/extension	1	1	1	1	1
Hazardous Location Trouble Light	4	4	5	4	3
Ice cleats	6	1	2	12	0
Shelter	0	1	1	1	0

Winter Equipment: Enbridge maintains this equipment for winter/cold weather spill response. It is staged at each Pipeline Maintenance Facility. Due to the seasonal nature of this equipment, it may not be stored in existing response trailers. The Pipeline Supervisor is responsible for the facility will ensure that the equipment is maintained, inventoried and accessible in the event of a winter spill incident.



APRIL 25, 2007 PRIMARY WATER RECOVERY EQUIPMENT	Thief River Falls PLM	Bemidji PLM	Superior PLM	Ironwood PLM	Iron River Station	Escanaba PLM	Manistique Station	Gould City Station	Straits of Mackinaw	Indian River
<b>Boom &amp; Absorbents</b>										
Containment Boom -- River (feet)	1250	250	850	600	150	500	400	300		400
Containment Boom -- Open Water (feet)		500	2100						2000	
Containment Boom -- Small (feet)		200	150	500		300				
Sorbent Boom (feet)	960	400	650	200	120	280	400	400	320	400
Sorbent Pads	1800	3000	1300	750	700	700	300	300	450	300
Sorbent Sweep/Rolls (bales)		2	1			2			6	
<b>Skimmers</b>										
3' Drum Skimmer	1									
4' Drum Skimmer		4	1	1		1				
8' Drum Skimmer	2	2	1			1				
Mini Max Skimmer		1								
Skimmer Power Pak	1			1		1				
Manta Ray			1							
Skim Pak			1							
<b>Pumps</b>										
2" Air Operated + Hoses	8		2	1		2				
3" Air Operated + Hoses	1	2	5	2		2			2	
2" Trash Pump + Hoses	6	2	10	2		2				
3" Trash Pump + Hoses	1	4	5	2		2				
3" Hydraulic Pump + Hoses	2	3	7	1						
4" Hydraulic Pump + Hoses				1		1				
2" Electric Pumps		12	2	2		2				

**ENBRIDGE**

APRIL 25, 2007 PRIMARY WATER RECOVERY EQUIPMENT	Thief River Falls PLM	Bemidji PLM	Superior PLM	Ironwood PLM	Iron River Station	Escanaba PLM	Manistique Station	Gould City Station	Straits of Mackinaw	Indian River
<b>Storage</b>										
Vacuum Truck -- 1500 - 1800 Gal.	1	1	1	1		1				
Portable Storage Tanks ( 1800 gal )	1	1		1		1				
Tankage Storage		7.2 million barrels at Superior WI 1.2 million barrels at Clearbrook, MN					5000 barrels at Gould City MI			
<b>Boats &amp; Motors</b>										
18' Lund w/motor & equipment			1	1		1				
20' Lund Alaskan w/motor & equipment	1	2	1							
12' John Boat		1								
20' Aqua Deck w/inboard & equipment	1									
<b>Response Trailers</b>										
Leak Trailers ( van )	1	2	1			1				
Boom Trailer	1	1	2	1	1	1	1	1	2	1
Command Post Trailer	1									
Decontamination/Command Trailer						1				



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## Twin Ports Mutual Aid Group

The Twin Ports Petroleum Mutual Aid Group (TPPMAG) was formed in 1992 to provide for mutual assistance and cooperation in the control of oil spill emergencies occurring in the general area of Superior, WI and Duluth, MN. A key component of this agreement is the joint ownership of a fully equipped response trailer. The City of Superior, WI Fire Department agrees to store the trailer and transport it to emergency response sites as designated by the member companies and at reasonable cost to the user. The Group agrees to give the City of Superior full authority to use the trailer, equipment and materials as it deems appropriate.

Member Companies include:

- Enbridge Energy
- Murphy Oil USA, Inc. Superior Refinery
- Conoco Inc.
- Mageilan Pipeline
- Murphy Oil USA, Inc Marine Terminal

### FOR EMERGENCY DELIVERY OF THE RESPONSE TRAILER

Call the Superior Fire Department at:

715-394-0227 (normal business hours)

715-394-0231 (after hours)



TWIN PORTS MUTUAL AID GROUP EMERGENCY RESPONSE INVENTORY	
QTY	DESCRIPTION
1	Spare Trailer Tire
3	18 # Boxes Fiberperl Absorbent
2	Rolls Absorbent - 144'
4	Boxes Tharco Absorbent Pellets
5	Bundles Absorbent Pads - 100 / bundle
2	Anchors - 43 #
1	Axe
5	50' Sections of Containment Boom
1	Section of 25' Containment Boom
1	Portable Generator
1	100' 12 Gauge Extension Cord
14	Steel Fence Posts
1	Fence Post Driver
2	Fire Extinguishers 30 # (Dry Chemical)
1	First- Aid Kit
1	Flashlight
1	Gas can for Generator
1	Plastic Boat Gas Tank
1	Can Adhesive Glue
	Miscellaneous Hardware
3	Pair Steel Toed Hip Waders
4	Life Jackets
2	Portable Light Towers
1	Portable Light
6	Non-Conducting Pads
2	Wooden Boat Oars
1	25 Horsepower Outboard Motor
2	Pitchforks
1	Box Plastic Sheeting
2	Metal Rakes
1	Leaf Rake
12	Various Lengths of Nylon Rope
1	50' Length of Nylon Rope
1	Spool of Nylon Rope
2	Scoop Shovels
3	Spade Shovels
1	Square shovel
1	12 # Sledge Hammer
4	Boxes Sorbaid
1	12 Volt 100,000 Candlepower Handheld Spotlight



**TWIN PORTS MUTUAL AID GROUP EMERGENCY RESPONSE INVENTORY cont.**

QTY	DESCRIPTION
24	Tent Stakes
1	Tool Box with Assorted Hand Tools
1	Bag Gloves
1	Bag Response Suits
1	16' Alumaweld Boat
	Tow Bridles
	Water Buoys
	Barricade Tape - (Yellow Caution & Red Danger)

**ENBRIDGE**

## **SPECIALTY CONTRACTOR CONTACTS**

### **BAY WEST**

Bay West is an established Coast Guard classified OSRO (Oil Spill Response Organization) responding out of Minneapolis, Minnesota, that provides 24-hour emergency spill response. Their services include cleanup, removal and the remediation of oil spill sites as well as environmental investigations and assessments.

Bay West has an extensive inventory of emergency response equipment, HAZMAT and HAZWOPER trained personnel, and an experienced support staff to respond to various types of spill scenarios.

Enbridge has retained Bay West by means of an Emergency Response retainer to supplement internal resources in the event of a pipeline incident. Copies of their inventory and equipment lists can be obtained through Enbridge Energy's Superior Regional Office.

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**Bay West**  
**5 Empire Drive**  
**St. Paul, MN 55103**  
**(651) 291-0456**  
**1-800-279-0456 (24 hrs.)**  
**[www.baywest.com/emergency.htm](http://www.baywest.com/emergency.htm)\***

### **GARNER ENVIRONMENTAL SERVICES INC.**

Garner Environmental Services is a full service environmental and emergency response company based near Houston, TX. Numerous locations and away teams allows response in a timely manner to any situation upon notification.

Enbridge has contracted with Garner to provide personnel, equipment, and expertise in the event of a **WORST CASE DISCHARGE** situation where timeliness is critical and additional resources are needed. The Master Service agreement is located in the Superior Regional Office. Copies of inventory and equipment lists can be obtained through the Region Offices.

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**Garner should only be contacted from the Qualified Individual (QI) level or higher. The QI may wish to confer with senior management or the crisis management team prior to enlisting Garner's services.**

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**Garner Environmental Services Inc.**  
**1717 W 13<sup>th</sup> St.**  
**Deer Park, TX 77536**  
**(281) 930-1200**  
**1-800-424-1716 (24 hrs)**  
**[www.garner-es.com/documentsdown.html](http://www.garner-es.com/documentsdown.html)**

\*Current emergency response equipment lists for these OSRO's are kept on file in the region office and can be found at their respective websites



**CANADIAN CROSS BORDER EMERGENCY RESPONSE EQUIPMENT**

Enbridge recognizes that there may be circumstances where additional resources are required for emergency response in our operating areas along the U.S / Canadian border. In these situations, agreements have been reached to allow equipment and manpower to cross the border to respond. These agreements have been discussed and cleared with both the U.S. and Canadian Customs offices. Equipment and manpower lists have been provided to these entities as a reference in the event a cross border crossing becomes necessary.

This Canadian area is included in this cross border agreement with the Superior Region:  
Gretna, Manitoba

<b>GRETNA MOBILE EQUIPMENT EMERGENCY RESPONSE INVENTORY</b>	
<b>QTY</b>	<b>DESCRIPTION</b>
1	½ Ton 4X4 Pickup Truck
1	1-Ton 4X4 Extend-a-Cab
1	Picker Truck-Fassi 17 ton
1	Welding 1-Ton Truck
1	¾ Ton 4 X 4 Pickup Truck
1	CM-1 Jet Boat
1	GF -1 Jet Boat
1	Boat Trailer
1	Boat Trailer
1	Oil Spill Trailer
1	Emergency Equipment Trailer
1	Lighting Plant
1	Arne's Tandem Trailer
1	Cat Skid Steer
1	Skid Steer Trailer
<b>GRETNA EMERGENCY RESPONSE TRAILER INVENTORY- UNIT 38903</b>	
1	2003 Chevrolet 1500 Silverado Extended Cab(VIN # 2GCEK19T531277318)
1	Motorola MCX100 Mobile Telephone (Serial #484PKY4434)
1	Motorola MCX100 Private Company Radio (Serial #428PQS5142)
1	Motorola Cellular Plus Telephone (Serial #8169B0632)
1	Flare Pistol
1	Box of Flares for Flare Pistol.



**GRETNA UNIT 38903 cont.**

<b>QTY</b>	<b>DESCRIPTION</b>
1	BX-82 Gas Detector (Serial #GX-1108-HSD)
1	Safe Work Permit Book
1	District #2 System Map Atlas
1	Pembina Valley Telephone Book
1	100' Tape Measure
1	50' Tape Measure
1	16' Tape Measure
1	25" Tape Measure
1	Western/Central Emergency Response Directory
1	Nylon Tow Rope / Clevises
2	Flashlights. (Lantern Style)
2	Fire Blankets
1	First Aid Kit
1	District #2 Route Sheets
1	Set of Booster Cables
1	Box of Ear Plugs
1	Set of Binoculars
1	Hardhat
1	Pressure Gauge- Serial #801
1	Container of Safety Supplies such as Gloves, Safety Glasses,
2	Pairs of Safety Glasses
1	Pipeline Information Book
1	Landowner Information Book
1	Regina Telephone Book
1	Manitoba Telephone Book
1	Emergency Border Crossing Manual
1	Oil Spill Control Point Book
1	Western Operations Emergency Call Down List Booklet
2	Lakehead Safe Work Permit Books
1	Lens Cleaning Kit
1	Westward Travel Tool Kit
1	3/4" Socket Set / Sockets
1	Box of Emergency Road Flares
1	Spotlight
1	Air Horn
1	Yellow Emergency Flashing Light
1	Laerdal Pocket Face Mark
1	5 # General Fire Extinguisher (Serial #H648373C)
1	Flange Installation Quality Control Form
4	Pairs of Work Gloves



<b>GRETNA EMERGENCY RESPONSE TRAILER INVENTORY- UNIT A351</b>	
<b>QTY</b>	<b>DESCRIPTION</b>
1	2000 Ford F-350 1 Ton Truck (VIN # 1FDWX37F7YEC63078)
1	Motorola 2-way Radio (Serial #428ATUT161)
1	TMX Gas Detector with Spare Battery (Serial # 9407075-293)
1	TMX Charger (Serial # 941Z083-006)
1	Flare Pistol (Serial # 66823)
1	Box (8) Flare Cartridges
1	Motorola Permanent CellP
1	External Rotating Amber Light
1	36" Aluminum Pipe Wrench
2	24" Aluminum Pipe Wrenches
2	18" Aluminum Pipe Wrenches
2	12" Aluminum Pipe Wrenches
2	Ball Peen Hammers
1	Claw Hammer
1	3/4" Drive Socket Set
1	Set Metric Open-End Wrenches (6 mm - 24mm)
1	Set Standard Open-End Wrenches (1/4" - 1 1/4")
1	1/2" Drive Socket Set
2	Pry Bars
1	Set (3) Rolling Pry Bars
2	10" Vise Grips
1	12" Chain Vise Grip
3	10" Pliers
2	7" Pliers
2	7" Needle Nose Pliers
1	7" Wire Cutter
1	Tin Snip
1	Set Internal and External Snap Ring Pliers
4	Phillips Screwdrivers
3	Robertson Screwdrivers
5	Flat Screwdrivers
2	Sets Folding Allan Wrenches
1	Set Regular Allan Wrenches
1	15" Crescent Wrench
1	12" Crescent Wrench
1	10" Crescent Wrench
1	8" Crescent Wrench
1	6" Crescent Wrench
1	Hack Saw (2 spare Blades)
4	Half Bastard Round Files

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**GRETNA UNIT A351 cont.**

QTY	DESCRIPTION
3	Flat Files
3	Rat Tail Files
Assortment of:	Banana Knives    Electrical Tape    Teflon Tape
	Wire Brushes    Tape Measures    Awls
	Utility Knives    Tube Pipe Sealant
1	Roll Chalk-line
1	Battery Posi Cleaner
1	Utility Magnet
1	Utility Claw
1	5 Gal. Gas Can    1 - 5-Gal. Diesel Can
1	12 # Sledge
2	Spades
1	District 2 System Map Atlas
1	District 2 Route Map
1	District 2 Landowners Book
1	Emergency Preparedness Book
1	Local Pipeline Information Book
1	Telephone Book
4	Safety Shields
2	Safety Shields
2	Safety Shields Hardware
1	Box CAA Survival Kit
1	Full Body Harness
2	Shock Absorbers
2	Lanyards
2	Tag Line
2	Lock-out Locks
2	Lock-out Clevises
2	Lengths Lock-out Chain
1	Pair Gloves
1	Snap-in Tool Box
4	Pressure Gauges
	Assortment of Air Fittings
1	Micro Cassette Recorder
2	Reflective Vests
1	Skid Pick
1	Pick
1	Probe
1	Tag Line
1	3/8" Tie-down Chain
1	3/4" Load Boomer



**GRETNA UNIT A351 cont.**

<b>QTY</b>	<b>DESCRIPTION</b>
1	2' Level
1	5" Vent Hose
	Rags
2	Liters Motor Oil
2	Cans Penetrating Oil
1	2 Gal. - Antifreeze
2	2" Ratchet Tie-downs
2	Hydraulic Journal Jacks
1	Emerpac Hydraulic Jack with 4" Head
1	3/4" Socket Set
2	Pig Tails
2	Probe Lite Stands
2	Flood Lights
4	Clear Deck Lights
1	1 1/2- Ton Come-Along
1	Rear Deck Box (Assorted Pipe Fittings)
1	Rear Deck Box (Tow Rope and Booster Cables)
1	Wisk Broom
1	100' Tapes
1	Ice Scraper
2	Explosion Proof Flashlights
1	First-Aid Kit
2	6' x 5' Fire Blanket
1	Spotlight
1	Box of Emergency Road Flares
1	Safe Work Permit Book
1	Flange Installation Quality Control Form
<b>GRETNA EMERGENCY RESPONSE INVENTORY- UNIT 35203</b>	
1	2004 Kenworth T 800 Tandem (VIN # 1NKDLUOX74J973128)
1	2003 Fassi F530 XP Hydraulic Crane with Wireless Remote Control.
1	Motorola 2- Way Radio / Accessories
1	Motorola 650 Flip Cell Phone/ Accessories
1	Industrial Scientific Gas Detector (Serial # 9407075-292)
1	Windsock
1	Set of Roadside Flares
4	RED 30 minute Emergency Flares
4	Wheel Chocks
1	Full Body Harness
1	Fall Arrest Lanyard

**ENBRIDGE**

**GRETNA UNIT 35203 cont.**

QTY	DESCRIPTION
1	Shock Absorber
1	Survival Kit
1	Flare Gun (Serial # 66816)
1	Box Flares (10)
1	6 Volt Flashlight
1	Fire Blanket
2	Fire Extinguishers 30 # (Ansul ) (Serial # KW 514283 . Serial # KW 514284)
1	First-Aid Kit (Safety Center)
2	30' Tag Lines
1	Hardhat Mounted Face-Shield (Clear)
1	Lardal Pocket Mask
2	CPR Protectors
4	Dust Masks
4	Pair Latex Disposable Gloves
1	Reflective Vest
2	Beacon Lights
1	Nut Driver Set of 7, ¼" to ½"
1	¾" Drive Air Impact Wrench Ingersol Rand (Serial A01J13264)
1	Set of 10, ¾" Impact Sockets 3/16" to 1 5/16"
2	12" Rigid Pipe Wrench
1	18" Rigid Pipe Wrench
2	24" Rigid Pipe Wrench
1	36" Rigid Pipe Wrench
1	Set of 16, SK Flat Wrenches ¼" To 1 ¼"
1	Set of 16, Westward Metric Flat Wrenches 7mm to mm
1	Westward ¼" DR Socket Set
1	Proto ⅜" DR Socket Set
1	Proto ½" DR Socket Set
1	Westward ½" DR Deep Socket Set
1	6" Proto Crescent Wrench
1	8" Proto Crescent Wrench
1	10" Proto Crescent Wrench
1	12" Proto Crescent Wrench
1	15" Proto Crescent Wrench
3	Ball Peen Hammers
3	Pairs of Channel Lock Pliers
1	Set of 9, SK ½" DR Allen Head Wrenches 5/32" to ⅝"
1	Proto Hex Key Set of 11, ¼" to ⅜"
1	Hex Key Set of 9, 5/64" to ¼"
1	Hex Key Set of 7, 2mm to 8mm
1	½" DR to ¾" DR Adaptor



**GRETNA UNIT 35203 cont.**

QTY	DESCRIPTION
1	½" DR to ¾" Dr Adaptor
2	Wire Brushes
9	Assorted Steel Files
1	Battery Post Cleaner
	Assortment of Punches and Chisels
2	Pinch Bars
1	6" Vise Grip Pliers
2	8" Vise Grip Pliers
3	10" Vise Grip Pliers
2	6" Pliers
2	8" Pliers
4	Side Cutter Pliers
1	6" Needle Nose Pliers
1	8" Needle Nose Pliers
1	Hacksaw with 4 Spare Blades
	Assorted Screw Drivers
2	Pair Tin Snips
1	Pair External Retaining Ring Pliers
1	Pair Internal Retaining Ring Pliers
3	Utility Knives
4	Scrapers
1	Magnetic Stick
1	100' Tape Measure
1	Chalk Line
1	2' Carpenter Level
1	Torpedo Level
1	Carpenter Square
2	Sets of ¾" Chain Spreaders
1	2"- 6' Lift-all Sling
2	2" -10' Lift-all Slings
2	2" - 4' Lift-all Slings
2	3" -10' Lift-all Slings
4	8' Tuflex Slings
4	6' Tuflex Slings
4	10' Tuflex Slings
2	14' Tuflex Slings
2	26"x 26" Wooden Outrigger Pads
2	22"x 22" Wooden Outrigger Pads
2	20" Aluminum Outrigger Pads
1	Plastic Tool Box With 2 - Danger Wide Load Signs & 4 Orange Flags
1	Pin On Steel Push Pole Receiver
1	Plastic Tool Box with an Assortment of Eye Bolts ¼" to 1 ¼"

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**GRETNA UNIT 35203 cont.**

QTY	DESCRIPTION
1	Plastic Tool Box with an Assortment of Shackles 3/4" to 1"
2	16' Lengths System 7 3/8" Load Chain with Hooks
4	11' Lengths System 7 3/8" Load Chain with Hooks
6	Load Binders
2	Spare 3/4" Load Chain Hooks
1	3' Steel Snipe
2	3" Ratchet Tie-Down Straps
6	2" Ratchet Tie-Down Straps
1	1 1/2 -Ton Columbus McKinnon Com-a-long
1	8-Ton Hydraulic Jack
1	15-Ton Journal Jack
1	30-Ton Enerpac Hydraulic Pump with Jack Head
2	Detachable Tow Hooks
1	50' Rapid Reel of 3/8" Air Hose
2	Spare 1/2" THOR Couplers
2	Spare 1/4" by 3/8" Male Air Fittings
2	Spare 1/4" by 3/8" Female Air Fittings
1	1/2" Air Chuck
1	1/2" Air Gun
1	Tire Pressure Gauge
1	3/4" Thor Coupler to 1/2" Male Air Fitting Adaptor
1	3/4" Thor Coupler to 1/2" Female Air Fitting Adaptor
4	3/4" Aero-Quip HYD Quick Couplers
1	3/4" Drill Adapter
1	7/8" Drill Adapter
1	1" Drill Adapter
2	Valve Stem Shear Pins
	Assortment of Roll Pins, Cotter Pins, Snap Rings, Electrical Crimp Fittings
8	3/8" Latch Kits
1	O-Ring Kit
1	O-Ring Repair Kit
2	Spade Shovels
1	8 # Sledge Hammer
1	10 # Sledge Hammer
1	Skid Pick
1	Long Pry Bar
2	Short Pry Bars
1	Fiber Glass Probe
1	Set of Booster Cables
2	20' Power Cords
1	25 # Propane Bottle with Hose, Regulator, Torch, & Striker



**GRETNA UNIT 35203 cont.**

QTY	DESCRIPTION
1	5 Gal. Gas Can
1	5 Gal. Diesel Can
1	3 Gal. Rubberized Pail
1	6" Nylon Tow Rope
1	Waterloo Tool Chest
1	Proto Tool Chest
1	Large Frame Mounted Tool Locker
2	Custom Made Deck Tool Boxes
1	Electrical Pig Tail Adapter
	Assortment of Plastic Ties
	Assortment of Fuses
1	Bug Screen
1	Winter Front
1	Box of Assorted Drill Bits
1	Grease Gun & 2 Tubes of Grease
1	4 Liter Jug of Motor Oil
1	Box of Rags
	Assortment of Spray Cans, Penetrating Oil, WD-40, Cleaners
	Pipe Thread Sealant
	Assortment Of Pipeline Info Books, Manuals & Maps
	Teflon Tape & Emery Cloth
2	2000-PSI Pressure Gauges
1	½" Ball Valve
1	¾" Ball Valve
1	1" Ball Valve
1	2" Ball Valve
	Assortment of 2" & 3" Male & Female Kamlock Fittings
	Assortment of Threaded Fittings, Pipe Nipples, Bushings ¼" to 2"
<b>GRETNA EMERGENCY RESPONSE INVENTORY</b>	
<b>UNIT 319</b>	
1	Fire Extinguishers 30# (Ansul & Redline)
1	Miller Pipe Pro-Welder
1	Motorola Radio
1	Motorola Flip -- Cell Phone. Hands Free
1	Motorola Receiver Type
1	Flare Pistol
1	Box of Flares
1	Revolving Amber Light
1	Industrial Scientific Gas Monitor TMX412
1	Industrial Scientific Personal Gas Monitor (Serial #0207492-261)
2	Safe Work Permit Books

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**GRETNA UNIT 319 cont.**

<b>QTY</b>	<b>DESCRIPTION</b>
1	Enbridge Welding Manual
2	Greenlee Volt/Amp meters
1	F.N. Bell Gauss/Tesla Meter 4048
1	Bushnell Binoculars
1	Spare Motorcraft Fuel Filter
1	Orange Flashlight
1	Hydraulic Jack
1	3' x 8' Sheet x 1/2" Plywood
1	Aluminum Deck
2	5" Makita Angle Grinders
1	7 Drawers International Toolbox
5	Blue Plastic Rod Guard Containers
1	2' Aluminum Level
1	2' Magnetic Level (Yellow)
1	4' Magnetic Level (Yellow)
2	Large Oxygen Bottles
3	2' Carpenter Squares
1	Large Acetylene Bottle
1	Set of Oxygen - Acetylene Regulators
1	Hack Saw
1	25' Brica Tape Measure
1	16' Brica Tape Measure
1	100' Stanley Tape Measure
1	Aluminum spool with 50' Oxygen-Acetylene Hose
1	Welding Helmet
1	Leather Welding Coat
1	12 # Sledge Hammer
1	Face Shield
1	Piece Screwdriver Set (Fuller)
1	21 Piece Flat Wrench Set (S - K) Standard
1	8" Crescent (Proto)
1	10" Crescent (Proto)
1	15 Piece Set of Punches (Proto)
1	22 Piece Set Flat Wrenches (Westward) Metric
1	24 Piece Set Westward Sockets 3/8" Drive
1	24 Piece Set Westward Sockets 1/2" Drive
6	Vise Grips
1	Stanley Line Level
13	Pipeline Wedges - Brass
3	Pliers
1	Stanley 100' Tape Measure



**GRETNA UNIT 319 cont.**

<b>QTY</b>	<b>DESCRIPTION</b>
2	Clipping Hammers
3	Wing Wraps for Line Level
4	Ball Peen Hammers
4	Large Pliers
1	Tin Snips
1	Snap ring Pliers
1	Needle nose Pliers
2	Side Cutters
6	Pipeline Files
1	Claw Hammer
1	Piece Rigid Pipe Wrench Set
1	Pipe Line-up Dogs
1	Victor Cutting Torch
1	6' Aluminum Step Ladder
1	4' Mud Board
1	8" Vise
1	Magnetic Grinder Stand
1	30 # Propane Bottle
1	Hiab 130 Picker
1	Tiger Torch
1	Galvanized Milk Pail
6	Beveling Bands (10" - 48" CRC-Evens)
2	Victor Beveling Torches
1	Beveling Machine (Cranler & Remote)
3	Aluminum Spools (Lead, Ground & Remote Cables)
1	CAA First-Aid Kit
1	Set of Fire Blankets
1	Set of Booster Cables
1	Spare Stinger & Whip
1	1 Ton Strap
1	25' - 220 amps. Extension Cord
1	Enbridge Right-of-Way Maps Package
1	Halogen Portable Work Lamp
1	Arc-Air Stinger
4	110 Amps. Extension Cords
1	6' x 1" Sling
1	Set of Spreader Chains
16	11 # Boxes of Liquid Air Welding Rods
1	50 # Box of Lincoln Welding Rods
1	Plate Clamp
1	Large Shackle
1	Set of Drill Bits (29 Piece)
4	Spare Face Shield Lenses



**GRETNA UNIT 319 cont.**

QTY	DESCRIPTION
3	Pairs of Spare Work Gloves
1	O-ring Kit
1	Black & Decker 1 1/2" Die Grinder
6	Valve Adapters
1	Spare Tweco Stinger
2	Spare Tweco Connectors
2	20' Chains
1	15 Ton Sleeve Jack
1	5 Ton Hydraulic Jack
2	4' Aluminum Yard Sticks
3	Wire Brushes
4	Utility Knives
3	Scrapers
1	Ridged Laser Level (Torpedo)
2	Torpedo Levels
1	0 - 6 Calipers
1	Compass
2	Combination Squares
2	12" Square
1	Curve-O-Mark Center Finder
2	Boxes of clear welding Helmet Lenses
1	20 Piece Set of 1/4" Letter Stamps
7	Piece Pry Bar Set
5	1" Ratchet Straps
1	2" Ratchet Straps
1	2' Pro Smart Level
1	20 Piece Set of 3/4" Drive Sockets (Proto)
1	Box of Walter Zip Cuts
1	Box of Walter Pipeline Wheels
2	Walter Buffing Wheels
1	Emergency Road Flare Kit
1	Set of Welding Gloves
2	Curve-O-Mark Wrap-Around
1	3/8" Makita Drill
1	1/2" Makita Drill
1	Portable Halogen Work Lamp
1	Heat Demon (Portable Heater)
1	6 Drawers International Tool Box
1	In Cab First-Aid Kit
1	50 # Pioneer Rod Oven
4	Boomers



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### Qualified Individuals Notification

As per the National Preparedness for Response Exercise Program (PREP) guidelines, a Qualified Individual (QI) notification drill is performed four times per year (quarterly). During these quarterly drills, contact is made from the Control Center via telephone, radio, or pager to the Qualified Individual or their designate in the Superior Region to ensure they can be reached to carry out their duties in the event of a spill response emergency. Confirmation of receipt of the contact must be made by the QI back to the Control Center to validate the drill.

Documentation for these drills is filed in the Control Center and in the Superior Region Office.

M. J. Willoughby  
Superior Region General Manager, Enbridge (U.S.) Inc.  
119 North 25<sup>th</sup> Street East,  
Superior, WI 54880  
Business: 715-394-1410  
Business FAX: 715-394-1405  
**24 hr contact: 800-858-5253 via Edmonton Control Center**



### Emergency Response Trained Personnel

Enbridge employees are trained for emergency response according to the OSHA 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) standard. Depending on their job classification, employees receive training in first responder awareness, first responder operations, hazardous material technicians, hazardous material specialists, incident commander, support and clerical staff. Employees receive an 8 hour annual refresher as required by the standard.

As per the National Preparedness for Response Exercise Program (PREP) guidelines, company initiated tabletop exercises, equipment deployment exercises, and unannounced deployment exercises are performed and documented annually. Company personnel also participate in industry led emergency response exercises as well as local exercises throughout our system.

The following chart reflects the number of annually HAZWOPER trained Enbridge employees by response zone:

<b>Superior Region Response Zone</b>	<b>Chicago Region Response Zone</b>	<b>Cushing Region Response Zone</b>	<b>Enbridge Pipelines North Dakota Response Zone</b>
110	112	52	40

In addition, internal response resources are supplemented by contract staff supplied by pre determined agreements with Oil Spill Response Organizations (OSRO's) and other local contractors. In many instances these resources are response zone specific and contact information is listed in the Enbridge Emergency Response Directory.