

Superior Region

Lines 1-4, 13, 67

Tactical Control Point

Template version 2.8.2

REDACTED SUBMITTAL - PUBLIC COPY

SPILL CONTINGENCY PLAN
SURCP0472

GPS (NAD 83) Decimal/Degree:	Latitude:		Upstream Control Point:		Upstream Valve Site /s:	
	Longitude:					
Distance to POE:	Upstream:		Downstream Control Point:		Downstream Valve Site /s:	
Objective: Control Point						

Watercourse Information

Name: **Mississippi River**

Watercourse Depth: 6' Varies Seasonally Watercourse Width: 100' Varies Seasonally

Watercourse Description:

This Control Point is located downstream of the Knutson Dam on the Mississippi River off Rivers Edge Road SE. Here the water body flows east on its way to Lake Winnibigoshish before eventually working its way south. At the Control Point the river width is 100' with some areas reaching depths of 6'. The surface flow speed was less than 2 mph upon site inspection. The river velocity and overall width varies considerably depending on the season, or after a rain event. The banks at the recovery site have thick marshland vegetation with tree growth along the over-banks. The sediment at this location is sand over gravel. Above the dam is Cass Lake and downstream the river winds through large densely wooded marshlands before eventually emptying out into Lake Winnibigoshish.

For current flow velocity, view the USGS website. (<http://waterdata.usgs.gov/mn/nwis/current/?type=flow>)

Resources at Risk / Environmental Sensitive Areas

Pending a release event size and unforeseen characteristics, the resources at risk can be any, all or none of the following; the immediate area around release location, the community, Mississippi River, Lake Winnibigoshish, and the surrounding wetlands. Other operators, Beltrami County, Cass and Itasca County, fish, wildlife and waterfowl. The towns of Deer River, Grand Rapids, and Blackberry. Contact Enbridge Environment Department for further details.

Safety Concerns

Utilize flaggers to direct traffic away from site. Security is needed at the staging area entrance to keep out all nonessential personnel and direct deliveries of needed supplies to their prospective areas. Ground leveling and planking will need to be done to ease access down to the control point. Utilize matting for creating steps down to the water way and to allow vac trucks to pull up to collection area. Road is potentially very busy, ensure flagging and signage is in place.

Product pending, screen for LEL, O2, Benzene and Toluene and wear proper PPE. Ensure a small decontamination area is created to prevent cross contamination.

Implementation

Logistical Information

Site Access
Requirements: Dry Conditions: Truck, UTVs
Wet Conditions: 200' of matting

Staging Area
Location: A staging area of greater than 130' x 130' can be built within a park to the northeast at the intersection of Rivers Edge Rd, and Scenic HWY SE. The staging area can house needed supplies, offices, and port-a-johns. Land Owner permissions may be required.

Work Area
Location/
Comments: A work area of 50' x 50' can be constructed adjacent to the collection point and be utilized for the extraction and recovery process. Pending levels of soil saturation, matting may be required to prevent rutting and aid in accessing the control point.

Boat Launch
Access: A boat launch is available for use on Knutson Dam Road SE that services Cass Lake. Consider installing a small launch site (to the west) below where the control point is to be installed, or use small punt boats to gain access. Small punt boats will aid in the boom deployment process, and can also be used for the reco

Site
Comments/
Restrictions: Notify all local and state officials, contact Beltrami County, as well as the surrounding communities. A direct route of entry should be established so as to minimize the response traffic traveling through the neighboring Community. Utilize flaggers to direct traffic around work site entrance. Security is needed to keep out all nonessential personnel and direct deliveries of needed supplies to their prospective areas. Additionally, a direction and pattern for traffic flow through the staging area should be established with inventory check in and site sign out. Establish a deacon station near the removal site. Document all equipment entering the area and utilize a person to keep track of personnel and equipment. Ensure a safety inspection is performed prior to launch in order to help ensure all vessels are equipped with any and all safety and communication devices required.

Seasonal Considerations

The surface flow rates will vary seasonally, or during times of regional rain events. Due to the localized characteristics of the Upper Mississippi River basin, water speeds can experience a measurable influx which can significantly expand the footprint of a release event during these times.

Closest Equipment Cache to CP

Business / Landowner Contact Information

Knutson Dam Campground Chippewa National Forest
(218-835-4291).

Contact the Superior Region land agent for additional information.

Strategy Site Visited:

Strategy Updated:

11-Jun-2017

14-Jun-2017



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Recommended Equipment	
Quantity	Description
800'	6x6 Boom
2400'	1/2" Rope
2	Jet Work Boat
7	Hand Bridals
20	Pin Anchors
4	Wing Anchors
1	Vacuum Truck
1	Skimmer
25	T-posts
3/3/3	Rakes, Shovels, Sheers
1 plt	Debris bags
1	Air-boat (during low flow)

Recommended Personnel	
Number	Description
1	Supervisor
1	Safety Inspector
6	Shoreline Crew
2	Boat Operator
1	Vacuum Truck Operator
1	Security Officer
2	Flaggers

Equipment Notes

This is an abbreviated list of site specific supplies that will be needed in order to help establish containment. The total quantity of resources required will depend on the overall quantity of the release, and the total extent of the impact footprint. Equipment requirements will also vary depending on the sites weather conditions. Consider all available options prior to installation in order to best utilize available resources. Implementation tactics may change with water speeds exceeding 3 mph in flood stage. Alter containment configurations and recovery equipment accordingly.

Directions



Strategy Site Visited:
11-Jun-2017

Strategy Updated:
14-Jun-2017



AREA PHOTO 1

Water level control for Cass Lake upstream of Control Point.

AREA PHOTO 2

Boat launch located at Knutson Dam Campground just upstream of the Control Point.

AREA PHOTO 3

Large staging north of the Control Point on Road 424.

AREA PHOTO 4

Secondary implantation point just downstream of Scenic HWY SE.

Additional Comments

Immediately Contact: Edmonton Control Center Liquids US. – (888) 838-4545
NRC 800-424-8802 within 1 hour of spill
Notify Regional Enbridge On Call Manager

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