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Location/Site:MM-391-1 Wolf Creek Nearest City: Bridgewater, South Dakota

Latitude/Longitude:

43° 27′ 52" N, 97° 33′ 40" W

Upstream CP: Pipeline

Downstream CP: CP2

Landowner: Hutchinson County

Olivet, SD

605-387-4217 Phone:

EQUIPMENT AND PERSONNEL Quantity Equipment/Personnel Personnel 9 1,000' 18" Containment Boom 1 Response Trailer Skimming System - Drum 1 Vacuum Truck 1 2 Response Boat - Jon Boat

RESPONSE OBJECTIVES

Establish perimeter to control access.

Establish Staging Area and Personnel DECON.

Deploy multiple layers of deflection boom bank, angle dependent on river current speed.

Use land based oil recovery systems as needed.

SAFETY

Develop a Site Safety Plan, brief all response personnel accordingly before and after the shifts.

Require the wearing of Personal Floatation Device (PFD) within 6' of the water's edge.

When Air and Water temperatures collectively are equal or less then 100 degrees Fahrenheit, Cold Weather Gear shall be worn.

RESPONSE STRATEGY

Nearest Response Equipment:

To Be Determined.

Access to Area:

Hwy 81 North, left on Hwy 44, right on CR-14, left on CR-22 (272 Ave). Right on 432nd Ave to bridge.

Location of Staging Area / Boat Launch:

Establish Very Small 10' X 10' Staging area.

No boat ramp, hand carry only.

Description of Watercourse:

Small creek, 30' across.

Bank Characteristics:

North/South Shore- Exposed eroding river banks, low vegetation, gently sloping banks.

Intermittent riprap and exposed bed rocks, mid stream sand bars, width: <100 ft; depth: <4ft; Flow: South, 0.5-5 knots.

Environmental Sensitivities:

Critical distance to Environmental Sensitive Areas.

Decontamination Areas:

Establish Small 10' X 10' Personnel DECON next to Staging Area per Spill Mangement Guide.

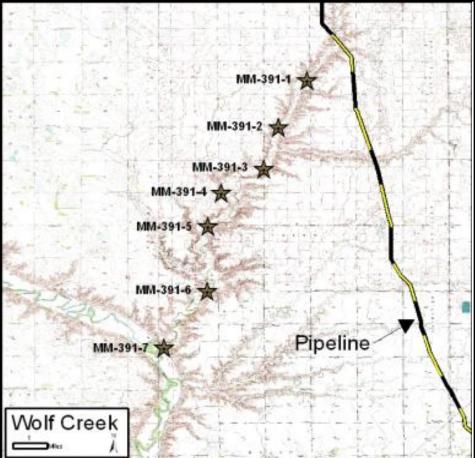
Comments:

1.5 miles downstream from pipeline.

Note: This Tactical Control Plan is provided as a general guidance tool for response to an incident emanating from this location. The selection of response strategy equipment, manpower and deployment site may vary based on actual field conditions (e.g. terrain, weather conditions, product type/volume) and incident details.







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Location/Site:MM-391-2 Wolf Creek Nearest City: Bridgewater, South Dakota

Latitude/Longitude: 43° 26′ 37″ N, 97° 34′ 25″ W

Downstream CP: CP3

Upstream CP: CP1

Landowner: Hutchinson County

Olivet, SD 605-387-4217 Phone:

EQUIPMENT AND PERSONNEL				
Equipment/Personnel	Quantity			
Personnel	9			
18" Containment Boom	1,000'			
Response Trailer	1			
Skimming System - Drum	1			
Vacuum Truck	1			

RESPONSE OBJECTIVES

Establish perimeter to control access.

Establish Staging Area and Personnel DECON.

Deploy deflection boom from bank upcurrent of bridge, angle dependent river current speed.

Use land based oil recovery systems as needed.

SAFETY

Develop a Site Safety Plan, brief all response personnel accordingly before and after the shifts.

Require the wearing of Personal Floatation Device (PFD) within 6' of the water's edge.

When Air and Water temperatures collectively are equal or less then 100 degrees Fahrenheit, Cold Weather Gear shall be worn.

RESPONSE STRATEGY

Nearest Response Equipment:

To Be Determined.

Access to Area:

Hwy 81 North, left on Hwy. 44, right on CR-14, left on CR-22 (272 Ave.) to bridge.

Location of Staging Area / Boat Launch:

Establish Very Small 10' X 10' Staging area.

No boat ramp, hand carry only.

Description of Watercourse:

Meandering stream (rocky, shallow).

Bank Characteristics:

East/West Shore- Exposed eroding river banks, low vegetation, gently sloping banks.

Intermittent riprap and exposed bed rocks, mid stream sand bars, width: <100 ft; depth: <4ft; Flow: South, 0.5-5 knots.

Environmental Sensitivities:

Critical distance to Environmental Sensitive Areas.

Decontamination Areas:

Establish Small 10' X 10' Personnel DECON next to Staging Area per Spill Mangement Guide.

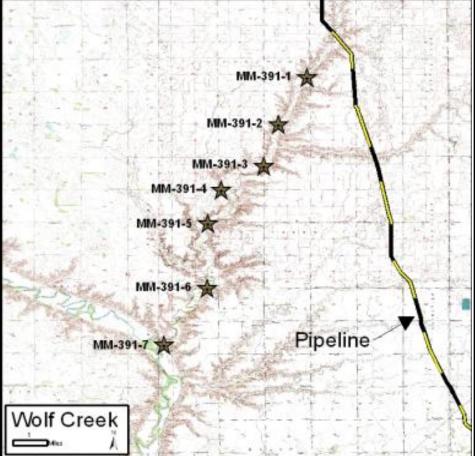
Comments:

3 miles downstream from pipeline.

Note: This Tactical Control Plan is provided as a general guidance tool for response to an incident emanating from this location. The selection of response strategy equipment, manpower and deployment site may vary based on actual field conditions (e.g. terrain, weather conditions, product type/volume) and incident details.







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Location/Site:MM-391-3 Wolf Creek Nearest City: Bridgewater, South Dakota

Latitude/Longitude: 43° 25′ 31″ N, 97° 34′ 47″ W

Upstream CP: CP2

Downstream CP: CP4

Landowner: Hutchinson County

Phone:

Olivet, SD

605-387-4217

EQUIPMENT AND PERSONNEL				
Equipment/Personnel	Quantity			
Personnel	9			
18" Containment Boom	1,000'			
Response Trailer	1			
Skimming System - Drum	1			
Vacuum Trucks	1			

RESPONSE OBJECTIVES

Establish perimeter to control access.

Establish Staging Area and Personnel DECON.

Deploy deflection boom from bank upcurrent of bridge, angle dependent river current speed.

Use land based oil recovery systems as needed.

SAFETY

Develop a Site Safety Plan, brief all response personnel accordingly before and after the shifts.

Require the wearing of Personal Floatation Device (PFD) within 6' of the water's edge.

When Air and Water temperatures collectively are equal or less then 100 degrees Fahrenheit, Cold Weather Gear shall be worn.

RESPONSE STRATEGY

Nearest Response Equipment:

To Be Determined.

Access to Area:

Hwy 81 North, left on Hwy. 44, right on 431st Ave. to bridge.

Location of Staging Area / Boat Launch:

Establish Very Small 10' X 10' Staging area.

No boat ramp, hand carry only.

Description of Watercourse:

Meandering stream (rocky, shallow).

Bank Characteristics:

East/ West Shore- Exposed eroding river banks, low vegetation, gently sloping banks.

Intermittent riprap and exposed bed rocks, mid stream sand bars, width: <100 ft; depth: <4ft; Flow: South, 0.5-5 knots.

Environmental Sensitivities:

Critical distance to Environmental Sensitive Areas.

Decontamination Areas:

Establish Small 10' X 10' Personnel DECON next to Staging Area per Spill Mangement Guide.

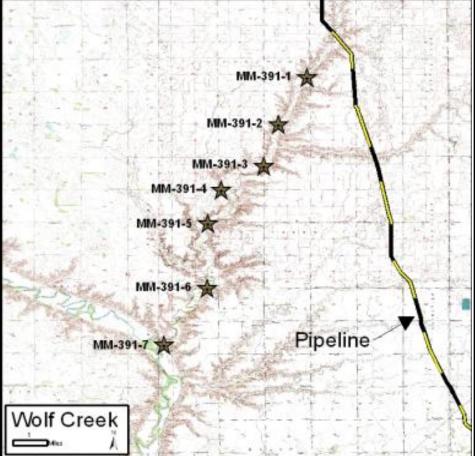
Comments:

4.5 miles downstream from pipeline.

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Location/Site:MM-391-4 Wolf Creek Nearest City: Bridgewater, South Dakota

Latitude/Longitude: 43° 24′ 52" N, 97° 35′ 53" W Landowner: Hutchinson County

Olivet, SD

605-387-4217

Upstream CP: CP3 Phone:

Downstream CP: CP5

RESPONSE OBJECTIVES

Establish perimeter to control access.

Establish Staging Area and Personnel DECON.

Deploy deflection boom from bank upcurrent of bridge, angle dependent river current speed.

Use land based oil recovery systems as needed.

EQUIPMENT AND PERSONNEL

Equipment/Personnel	Quantity
Personnel	9
18" Containment Boom	1,000'
Response Trailer	1
Skimming System - Drum	1
Vacuum Truck	1

SAFETY

Develop a Site Safety Plan, brief all response personnel accordingly before and after the shifts.

Require the wearing of Personal Floatation Device (PFD) within 6' of the water's edge.

When Air and Water temperatures collectively are equal or less then 100 degrees Fahrenheit, Cold Weather Gear shall be worn.

RESPONSE STRATEGY

Nearest Response Equipment:

To Be Determined.

Access to Area:

Hwy 81 North, left on Hwy. 44, right on 431st Ave, left on 274th St. to bridge.

Location of Staging Area / Boat Launch:

Establish Very Small 10' X 10' Staging area.

No boat ramp, hand carry only.

Description of Watercourse:

Meandering stream (rocky, shallow).

Bank Characteristics:

East/West Shore- Exposed eroding river banks, low vegetation, gently sloping banks.

Intermittent riprap and exposed bed rocks, mid stream sand bars, width: <100 ft; depth: <4ft; Flow: South, 0.5-5 knots.

Environmental Sensitivities:

Critical distance to Environmental Sensitive Areas.

Decontamination Areas:

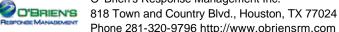
Establish Small 10' X 10' Personnel DECON next to Staging Area per Spill Mangement Guide.

Comments:

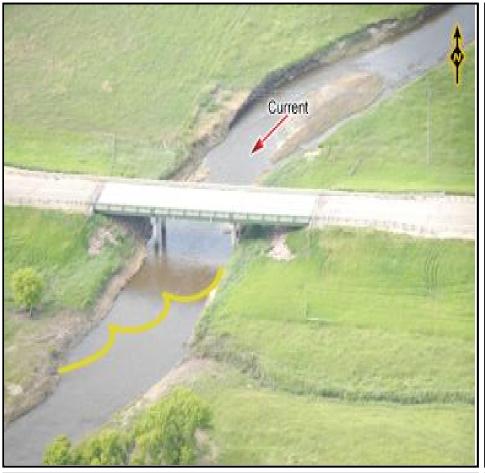
5.75 miles downstream from pipeline.

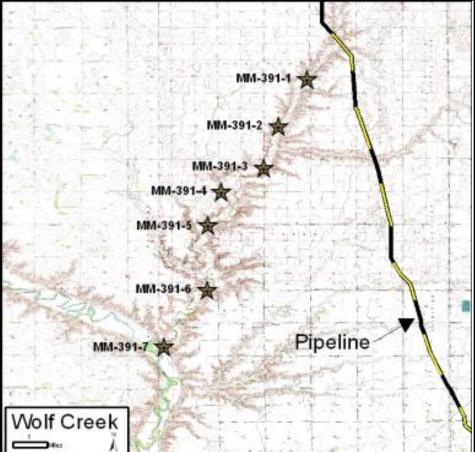
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O' Brien's Response Management Inc. Phone 281-320-9796 http://www.obriensrm.com









INFORMATION

Location/Site:MM-391-5 Wolf Creek Nearest City: Bridgewater, South Dakota

Latitude/Longitude: 43° 24' 0" N, 97° 36' 13" W

Landowner: Hutchinson County

605-387-4217

Olivet, SD

Upstream CP: CP4

Phone:

Downstream CP: CP6

RESPONSE	ORIFCLIAES

Establish perimeter to control access.

Establish Staging Area and Personnel DECON.

Deploy deflection boom from bank upcurrent of bridge, angle dependent river current speed.

Use land based oil recovery systems as needed.

EQUIPMENT AND PERSONNEL

Equipment/Personnel	Quantity
Personnel	9
18" Containment Boom	1,000'
Response Trailer	1
Skimming System - Drum	1
Vacuum Truck	1

SAFETY

Develop a Site Safety Plan, brief all response personnel accordingly before and after the shifts.

Require the wearing of Personal Floatation Device (PFD) within 6' of the water's edge.

When Air and Water temperatures collectively are equal or less then 100 degrees Fahrenheit, Cold Weather Gear shall be worn.

RESPONSE STRATEGY

Nearest Response Equipment:

To Be Determined.

Access to Area:

Hwy. 81 North, left on Hwy. 44 to bridge.

Location of Staging Area / Boat Launch:

Establish Very Small 10' X 10' Staging area.

No boat ramp, hand carry only.

Description of Watercourse:

Meandering stream (rocky, shallow).

Bank Characteristics:

East/West Shore- Exposed eroding river banks, low vegetation, gently sloping banks.

Intermittent riprap and exposed bed rocks, mid stream sand bars, width: <100 ft; depth: <4ft; Flow: South, 0.5-5 knots.

Environmental Sensitivities:

Critical distance to Environmental Sensitive Areas.

Decontamination Areas:

Establish Small 10' X 10' Personnel DECON next to Staging Area per Spill Mangement Guide.

Comments:

7.25 miles downstream from pipeline.

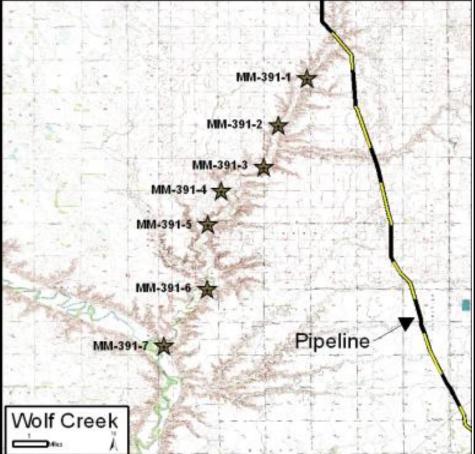
Note: This Tactical Control Plan is provided as a general guidance tool for response to an incident emanating from this location. The selection of response strategy equipment, manpower and deployment site may vary based on actual field conditions (e.g. terrain, weather conditions, product type/volume) and incident details.

O' Brien's Response Management Inc. 818 Town and Country Blvd., Houston, TX 77024 Phone 281-320-9796 http://www.obriensrm.com









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Location/Site:MM-391-6 Wolf Creek Nearest City: Bridgewater, South Dakota

Latitude/Longitude: 43° 22' 17" N, 97° 36' 16" W

Landowner. Hutchinst

Upstream CP: CP5

Downstream CP: CP7

Phone:

Landowner: Hutchinson County

Olivet, SD 605-387-4217

EQUIPMENT AND PERSONNEL				
Equipment/Personnel	Quantity			
Personnel	9			
18" Containment Boom	1,000'			
Response Trailer	1			
Skimming System - Drum	1			
Vacuum Trucks	1			

RESPONSE OBJECTIVES

Establish perimeter to control access.

Establish Staging Area and Personnel DECON.

Deploy deflection boom from bank upcurrent of bridge, angle dependent river current speed.

Use land based oil recovery systems as needed.

SAFETY

Develop a Site Safety Plan, brief all response personnel accordingly before and after the shifts.

Require the wearing of Personal Floatation Device (PFD) within 6' of the water's edge.

When Air and Water temperatures collectively are equal or less then 100 degrees Fahrenheit, Cold Weather Gear shall be worn.

RESPONSE STRATEGY

Nearest Response Equipment:

To Be Determined.

Access to Area:

Hwy 81 North, left on CR-28, right on 430th Ave., continue to 277th bridge.

Location of Staging Area / Boat Launch:

Establish Very Small 10' X 10' Staging area.

No boat ramp, hand carry only.

Description of Watercourse:

Meandering stream (rocky, shallow).

Bank Characteristics:

East/West Shore- exposed eroding river banks, low vegetation, gently sloping banks.

Intermittent riprap and exposed bed rocks, mid stream sand bars, width: <100 ft; depth: <4ft; Flow: South, 0.5-5 knots.

Environmental Sensitivities:

Critical distance to Environmental Sensitive Areas.

Decontamination Areas:

Establish Small 10' X 10' Personnel DECON next to Staging Area per Spill Mangement Guide.

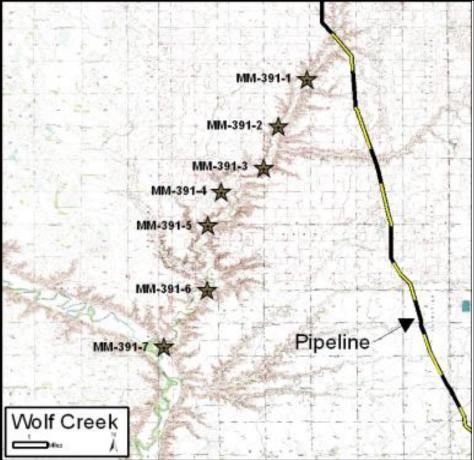
Comments:

9.25 miles downstream from pipeline.

Note: This Tactical Control Plan is provided as a general guidance tool for response to an incident emanating from this location. The selection of response strategy equipment, manpower and deployment site may vary based on actual field conditions (e.g. terrain, weather conditions, product type/volume) and incident details.







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Location/Site:MM-391-7 Wolf Creek Nearest City: Bridgewater, South Dakota

Latitude/Longitude:

43° 20′ 46″ N, 97° 37′ 22″ W

Upstream CP: CP6

Downstream CP: N/A

Landowner: Hutchinson County

Olivet, SD

Phone: 605-387-4217

EQUIPMENT AND PERSONNEL	
Equipment/Personnel	Quantity
Personnel	9
18" Containment Boom	1,000'
Response Trailer	1
Skimming System - Drum	1
Vacuum Truck	1

RESPONSE OBJECTIVES

Establish perimeter to control access.

Establish Staging Area and Personnel DECON.

Deploy deflection boom from bank upcurrent of bridge, angle dependent river current speed.

Use land based oil recovery systems as needed.

SAFETY

Develop a Site Safety Plan, brief all response personnel accordingly before and after the shifts.

Require the wearing of Personal Floatation Device (PFD) within 6' of the water's edge.

When Air and Water temperatures collectively are equal or less then 100 degrees Fahrenheit, Cold Weather Gear shall be worn.

RESPONSE STRATEGY

Nearest Response Equipment:

To Be Determined.

Access to Area:

Hwy 81 North, left on CR-28, right on CR-11.

Location of Staging Area / Boat Launch:

Establish Very Small 10' X 10' Staging area.

No boat ramp, hand carry only.

Description of Watercourse:

Meandering stream (rocky, shallow).

Bank Characteristics:

East/West Shore- exposed eroding river banks, low vegetation, gently sloping banks.

Intermittent riprap and exposed bed rocks, mid stream sand bars, width: <100 ft; depth: <4ft; Flow: South, 0.5-5 knots.

Environmental Sensitivities:

Critical distance to Environmental Sensitive Areas.

Decontamination Areas:

Establish Small 10' X 10' Personnel DECON next to Staging Area per Spill Mangement Guide.

Comments:

11 miles downstream from pipeline.

Note: This Tactical Control Plan is provided as a general guidance tool for response to an incident emanating from this location. The selection of response strategy equipment, manpower and deployment site may vary based on actual field conditions (e.g. terrain, weather conditions, product type/volume) and incident details.