

1. Incident Name:
Sturgeon River US-41 Gasoline Spill

2. Operational Period:
Starting: February 8, 2018, 0830
End: February 8, 2018, 1900

IAP
Cover
Sheet

3. Approved by Incident Commander(s):

 **Ralph Dollhopf, U.S. EPA**

 **Amy Keranen, Michigan Department of Environmental Quality**

 **Rich Baron, Legal Counsel for Klemm**

 **Cathryn Beer, WUPHD**

 **Chris Van Arsdale, Houghton County EM**

Incident Action Plan


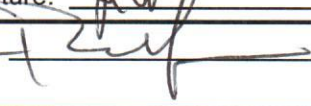
The items below are included in this Incident Action Plan:

- ICS 202 (Response Objectives)
- ICS 203 (Organization Assignment List)
- ICS 204 (Assignment List)



7. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature: 

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Date From: 2-8-18 Time From: 08:30	Date To: 2-8-18 Time To: 19:00			
3. Objective(s): Protect public safety. Protect worker safety. Recover product from the river. Remove product spilled onto the land. Assess potential down river impacts.					
4. Operational Period Command Emphasis: Continue additional air monitoring in residential areas. Continue assessment of river for gasoline below the ice. Monitor for gasoline on the ice or outside of the sheet piling. Continue hauling impacted soil. Continue to evolve ICS.					
General Situational Awareness Product recovery from the banks continues. Public health considerations are ongoing. River assessment is underway.					
5. Site Safety Plan Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Approved Site Safety Plan(s) Located at: Command center trailer					
6. Incident Action Plan (the items checked below are included in this Incident Action Plan): <table style="width: 100%; border: none;"><tr><td style="width: 33%; vertical-align: top;"><input checked="" type="checkbox"/> ICS 202 <input checked="" type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 <input type="checkbox"/> ICS 205 <input type="checkbox"/> ICS 205A</td><td style="width: 33%; vertical-align: top;"><input type="checkbox"/> ICS 206 <input type="checkbox"/> ICS 207 <input type="checkbox"/> ICS 208 <input checked="" type="checkbox"/> Map/Chart <input type="checkbox"/> Weather Forecast/Tides/Currents</td><td style="width: 33%; vertical-align: top;">Other Attachments: <input checked="" type="checkbox"/> Traffic Control Plan <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></td></tr></table>			<input checked="" type="checkbox"/> ICS 202 <input checked="" type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 <input type="checkbox"/> ICS 205 <input type="checkbox"/> ICS 205A	<input type="checkbox"/> ICS 206 <input type="checkbox"/> ICS 207 <input type="checkbox"/> ICS 208 <input checked="" type="checkbox"/> Map/Chart <input type="checkbox"/> Weather Forecast/Tides/Currents	Other Attachments: <input checked="" type="checkbox"/> Traffic Control Plan <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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7. Prepared by: Name: <u>Jed Chrestensen</u> Position/Title: <u>Planning Section Chief</u> Signature: 					
8. Approved by Incident Commander: Name: <u>OSC Ralph Dollhopf</u> Signature: 					
ICS 202	IAP Page <u>2</u>	Date/Time: <u>2-9-18 1335</u>			

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-8-18 Time From: 08:30		Date To: 2-8-18 Time To: 19:00															
3. Incident Commander(s)/ Agency Incident Coordinator and Command Staff: (include location) <input type="checkbox"/> IMT IC/UCs Unified Command <input type="checkbox"/> IMG AIC Deputy Safety Officer Tom Anthos 906-360-1545 Public Info. Officer Liaison Officer			7. Operations Section: Chief Tom Anthos 906-360-1545 Deputy Jed Chrestensen 906-281-4726 Staging Area Branch River Assessment and Recovery Branch Director Mylan Koski 906-360-4027 Deputy Brandon Ray 269-719-5541 Division/Group Assessment 906-360-4027 Division/Group Recovery 269-719-5541 Division/Group Division/Group Branch B a n k R e c o v e r y Branch Director James Deliefde 734-277-7103 Deputy Division/Group Division/Group Division/Group Division/Group Branch Air Monitoring and Sampling Branch Director Ashley Miller 330-646-7870 Deputy Division/Group TriMedia 906-360-0024 Division/Group EPA START 330-646-7870 Division/Group Division/Group Division/Group																
4. Agency/Organization Representatives: <table style="width: 100%;"> <tr> <th style="width: 30%;">Agency/Organization</th> <th style="width: 70%;">Name</th> </tr> <tr> <td>USEPA</td> <td>Ralph Dollhopf 231-301-0559</td> </tr> <tr> <td>MDEQ</td> <td>Amy Keranen 906-231-6060</td> </tr> <tr> <td>TriMedia</td> <td>Tom Anthos 906-360-1545</td> </tr> <tr> <td>Klem Counsel</td> <td>Richard Baron 248-310-9720</td> </tr> <tr> <td>WUPHD</td> <td>Kate Beer 906-201-2342</td> </tr> <tr> <td>Houghton County EM</td> <td>Chris Van Arsdale 906-281-8170</td> </tr> </table>			Agency/Organization	Name	USEPA	Ralph Dollhopf 231-301-0559	MDEQ	Amy Keranen 906-231-6060	TriMedia	Tom Anthos 906-360-1545	Klem Counsel	Richard Baron 248-310-9720	WUPHD	Kate Beer 906-201-2342	Houghton County EM	Chris Van Arsdale 906-281-8170			
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Houghton County EM	Chris Van Arsdale 906-281-8170																		
5. Planning Section: Chief Jed Chrestensen 906-281-4726 Deputy Resources Unit Situation Unit Documentation Unit Demobilization Unit Technical Specialists 																			
6. Logistics Section: Chief Tom Anthos 906-360-1545 Deputy Support Branch Director Supply Unit Facilities Unit Traffic Control-Hans Haapala Ground Support Unit Service Branch Director Communications Unit Medical Unit Food Unit																			
			8. Finance/Administration Section: Chief Marlin Zechman 610-968-9500 Deputy Time Unit Procurement Unit Comp/Claims Unit Cost Unit																
9. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature:																			
ICS 203		IAP Page <u> 3 </u>		Date/Time: <u> 2-7-18 </u> <u> 13:39 </u>															

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-8-18 Date To: 2-8-18 Time From: 08:30 Time To: 19:00		3. Branch: Bank Recovery Division: Group: Staging Area:											
4. Operations Personnel: <u>Name</u> <u>Contact Number(s)</u> Operations Section Chief: <u>Tom Anthos 906-360-1545</u> Branch Director: <u>James Deliefde 734-277-7103</u> Division/Group Supervisor: _____															
5. Resources Assigned:			# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information										
Resource Identifier	Leader														
Matt Stenberg	UPE				spill site										
Mark Stenberg	UPE				spill site										
Rob Bloniaiz	UPE				spill site										
Ray Coovim	UPE				spill Site										
Mylan Koski	TriMedia Field Ops		906/360-4027		spill site										
Brian Bonen	B&B		906/281-2587		Spill site										
Hans Haapala	B&B Traffic Control		906/281-6908		Trucking and loading areas										
Mitch Large	B&B				Spill Site										
Joe Lamponin	B&B														
Adam Kiddle	TriMedia		235-3755		Staging Area Waste ticketing										
6. Work Assignments: Meet with all Truck Drivers and Traffic Control Personnel to discuss traffic and loading control plan Prep equipment for excavation loading hauling and backfill/restoration Line trucks with poly to support waste hauling activities Remove surface impacted materials and impacted ice with long stick excavator Remove Impacted soils at release area East and West locations Perform soil impact delineation at rivers edge back to main spill area during excavation Load and truck Impacted materials to Waste Management Landfill (site and stockpile) Maintain Sump collection Area Manage waste ticketing/manifest Traffic Control															
7. Special Instructions: Traffic Control and personnel safety must be a focus during this period of significantly increased heavy equipment activity. Air monitoring and the high potential for increased VOC vapors during excavation and loading activities will be a concern and will be monitored															
8. Communications (radio and/or phone contact numbers needed for this assignment): <table style="width: 100%;"> <tr> <td style="width: 35%;">Name/Function</td> <td style="width: 65%;">Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</td> </tr> <tr> <td>all parties /</td> <td>contact at numbers listed above</td> </tr> <tr><td>/</td><td></td></tr> <tr><td>/</td><td></td></tr> <tr><td>/</td><td></td></tr> </table>						Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)	all parties /	contact at numbers listed above	/		/		/	
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9. Prepared by: Name: <u>Tom Anthos</u> Position/Title: <u>Ops Section Chief</u> Signature:															
ICS 204	IAP Page <u>4</u>	Date/Time: <u>2/7/18 1339</u>													

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5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader			
Ken Decker	SWAT		269/209-2359	
Jed Chrestensen	EPA START		906-281-4726	
Kodi Harkins	SWAT			
Chris Tiede	TriMedia Safety		906-235-8148	
Bootjack Fire Dept	Mark Serotzke		815-739-5193	
Mylan Koski	TriMedia Field Ops		906-360-4027	

6. Work Assignments:
 Prep air boat
 Coordinate with Bootjack Fire Dept with recovery craft in the event of a rescue
 Lead recon team downriver to assess plume leading edge - Start where previous work left off
 Auger holes down river and perform visual and PID monitoring to assess migration path
 Document all assessment locations with GPS to populate GIS Figure

7. Special Instructions:
 Discuss water evacuation and warming plan in the event of ice rescue
 Appropriate dress and PPE for the task

8. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)
all parties /	contact at numbers listed above

9. Prepared by: Name: Tom Anthos Position/Title: Ops Section Chief Signature:

ICS 204

IAP Page 5

Date/Time: 2/7/18 1339

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6. Work Assignments: Discuss sequencing with Team and Excavator operator Maintain boom curtain at western edge and northern edge of surface ice impact area Continue to remove impacted water with Vac Truck, if present Work with landward operators to remove impacted materials																																																										
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6. Work Assignments: Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Perimeter Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Sampling (Summa cans at both residential dwellings) see map for locations Record all readings and locations for delivery to GIS for updates to daily air monitoring figures																																																																	
7. Special Instructions: Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm.																																																																	
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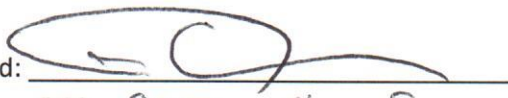
ASSIGNMENT LIST (ICS 204)

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Traffic Control Plan
Sturgeon River US-41 Gasoline Spill
2-8-18

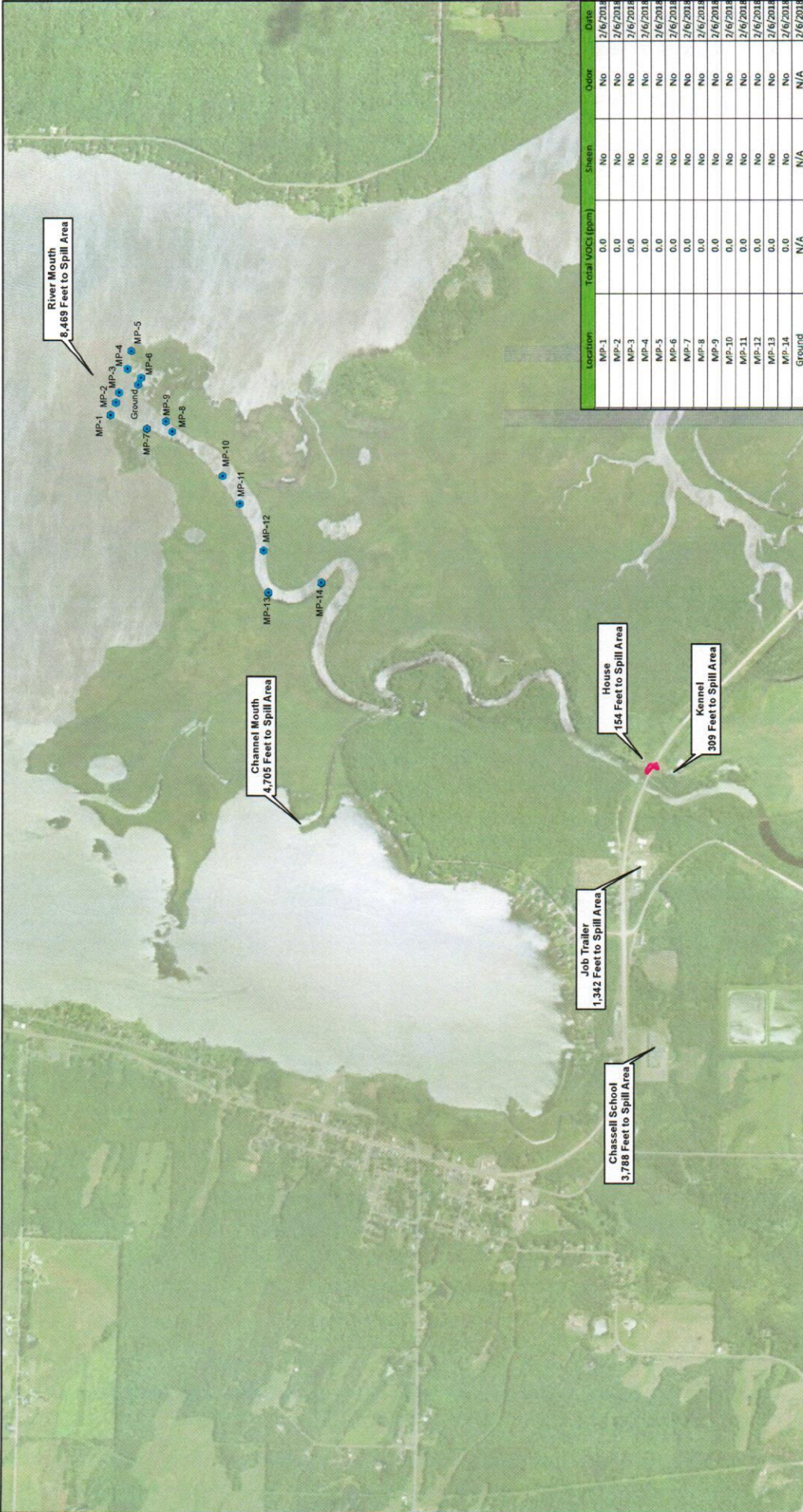
- Truck drivers, flaggers, box-lining staff, and operators attended an 08:00 safety meeting to go over the haul route, traffic flow, and safety.
- The west driveway will be inbound traffic and the east driveway will be outbound traffic.
- All trucks will stage on the east side of DP Construction's shop.
- Trucks will be going past the office trailer so use caution when entering/exiting the office trailer area.
- Trucks drivers are to stay in their trucks unless they need to use the sanitary facilities adjacent to the office trailer.
- Hans Haapala of B&B Contracting or his designee will direct trucks on when to leave staging and where to go to load.
- Communications will be via cell phone from the staging area to the work site.
- Chassell Township School was notified of the expected traffic increase. The school will send a notice to parents.
- Busses load at the school at approximately 3:20 pm and there are several students who walk home from school during that time period. Hans Haapala will notify all drivers of the school schedule.
- No smoking.
- Last load will leave the site at 3pm.

Signed: _____


ops Section Chief
Tom ANTROS

Date: _____

2/7/18



Drawn: ESN 2/6/2018

Approved: MAK 2/6/2018

Project #: 2018-024

Map Location

Legend

Spill Area
 On River Product Assessment Locations

0 625 1,250 2,500 Feet

FIGURE 2

STURGEON RIVER US 41 GASOLINE SPILL

SPILL AREA DISTANCES & RIVER ASSESSMENT

SHEET 1 OF 1