

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

2. Operational Period:
Starting: February 9, 2018, 0830
End: February 9, 2018, 1900

IAP
Cover
Sheet

3. Approved by Incident Commander(s):

Ralph Dollhopf **Ralph Dollhopf, U.S. EPA** *2/8/18 1400*

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

Rich Baron **Rich Baron, Kenan Advantage Group**

Cathryn Beer **Cathryn Beer, WUPHD**

Chris Van Arsdale **Chris Van Arsdale, Houghton County EM**

Incident Action Plan

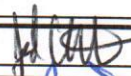

The items below are included in this Incident Action Plan:

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

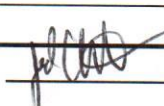


7. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature: *Jed Chrestensen*

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Date From: 2-9-18 Time From: 08:30	Date To: 2-9-18 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. Develop Work Plan for all elements of long-term recovery phase.					
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. Recovery of product accumulation below the bridge. Begin consideration of intermediate engineering controls for dual phase containment and recovery of spilled product around and under the bridge.					
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: 34%; 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: Jed Chrestensen Position/Title: Planning Section Chief Signature: 					
8. Approved by Incident Commander: Name: OSC Ralph Dollhopf Signature: 					
ICS 202	IAP Page <u>2</u>	Date/Time: <u>2/8/17 1400</u>			

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-9-18 Time From: 08:30		Date To: 2-9-18 Time To: 19:00	
3. Incident Commander(s)/ Agency Incident Coordinator and Command Staff: (include location)			7. Operations Section:		
<input type="checkbox"/> IMT IC/UCs	Unified Command	Chief	Tom Anthos	906-360-1545	
<input type="checkbox"/> IMG AIC		Deputy	Dan Capone	517-881-8837	
Deputy		Staging Area			
Safety Officer	Tom Anthos 906-360-1545	Branch	River Assessment and Recovery		
Public Info. Officer		Branch Director	Mylan Koski	906-360-4027	
Liaison Officer		Deputy	Brandon Ray	269-719-5541	
4. Agency/Organization Representatives:		Division/Group	Assessment	906-360-4027	
Agency/Organization	Name	Division/Group	Recovery	269-719-5541	
USEPA	Ralph Dollhopf 231-301-0559	Division/Group			
MDEQ	Amy Keranen 906-231-6060	Division/Group			
TriMedia	Tom Anthos 906-360-1545	Division/Group			
Kenan Advantage Group	Richard Baron 248-310-9720	Branch	B a n k R e c o v e r y		
WUPHD	Cathryn Beer 906-201-2342	Branch Director	James Deliefde	734-277-7103	
Houghton County EM	Chris Van Arsdale 906-281-8170	Deputy			
5. Planning Section:		Division/Group			
Chief	Dan Capone 517-881-8837	Division/Group			
Deputy		Division/Group			
Resources Unit		Division/Group			
Situation Unit		Division/Group			
Documentation Unit		Branch	Air Monitoring and Sampling		
Demobilization Unit		Branch Director	Ashley Miller	330-646-7870	
Technical Specialists		Deputy			
		Division/Group	TriMedia	906-360-0024	
		Division/Group	EPA START	330-646-7870	
		Division/Group			
6. Logistics Section:		Division/Group			
Chief	Tom Anthos 906-360-1545	Division/Group			
Deputy		Branch			
Support Branch		Branch Director			
Director					
Supply Unit					
Facilities Unit	Traffic Control-Hans Haapala	8. Finance/Administration Section:			
Ground Support Unit		Chief	Marlin Zechman 610-968-9500		
Service Branch		Deputy			
Director		Time Unit			
Communications Unit		Procurement Unit			
Medical Unit		Comp/Claims Unit			
Food 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>2-8-18</u> <u>19:00</u>			

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-9-18 Date To: 2-9-18 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:				Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information											
Resource Identifier	Leader	# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)												
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 (if needed) Remove impacted soils at release area North and South 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) 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%; border-collapse: collapse;"> <tr> <td style="width: 35%; border-bottom: 1px solid black;">Name/Function</td> <td style="width: 65%; border-bottom: 1px solid black;">Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</td> </tr> <tr> <td style="border-bottom: 1px solid black;">all parties /</td> <td style="border-bottom: 1px solid black;">contact at numbers listed above</td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"></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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all parties /	contact at numbers listed above														
/															
/															
/															
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>2/8/18 14:26</u>													

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-9-18 Date To: 2-9-18 Time From: 08:30 Time To: 19:00		3. Branch: Rv Assess & Rec Division: Assessment 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>Mylan Koski 906-360-4027</u> Division/Group Supervisor: <u>Mylan Koski 906-360-4027</u>				Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)		
Resource Identifier	Leader				
Ken Decker	SWAT		269/209-2359		
Dan Capone	EPA START		517-881-8837		
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 collecting water column samples (upriver and downriver)
 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

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Date/Time: 2/8/18 14:26

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-9-18 Date To: 2-9-18 Time From: 08:30 Time To: 19:00		3. Branch: Rv Assess & Rec Division: River Recovery 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>Mylan Koski 906-360-4027</u> Division/Group Supervisor: <u>Brandon Ray 269-719-5541</u>				Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)		
Resource Identifier	Leader				
Ken Decker	SWAT		269/209-2359		
Brandon Ray	SWAT		269-719-5541		
Mark Brown	SWAT				
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:
 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

7. Special Instructions:
 Discuss water evacuation and warming plan in the event of ice rescue

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

Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)

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

ICS 204

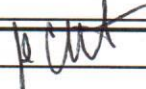
IAP Page 6

Date/Time: 2/8/2018 14:26

ASSIGNMENT LIST (ICS 204)

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ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-9-18 Time From: 08:30		Date To: 2-9-18 Time To: 19:00	3. Branch: Air Mon & Sample Division: Group: EPA-START Staging Area:										
4. Operations Personnel: <u>Name</u> _____ <u>Contact Number(s)</u> _____ Operations Section Chief: Tom Anthos 906-360-1545 Branch Director: Ashley Miller 330-646-7870 Division/Group Supervisor: Ashley Miller 330-646-7870															
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														
Ashley Miller	EPA START		330-646-7870		Spill site										
Cordell Renner	EPA START		847-913-2904		Spill Site										
Evan Birkett	EPA		734-536-3292		Spill Site										
6. Work Assignments: Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Perimeter Monitoring using Area RAEs, Multi-RAE, and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Area RAEs, Multi-RAE, and Ultra-RAE (VOCs and Benzene) see map for locations Residences Air Monitoring using Multi RAE and Ultra-RAE (VOCs and Benzene) 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.															
8. Communications (radio and/or phone contact numbers needed for this assignment): <table border="0"><tr><td><u>Name/Function</u></td><td><u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u></td></tr><tr><td>all parties /</td><td>contact through numbers listed above</td></tr><tr><td>/</td><td></td></tr><tr><td>/</td><td></td></tr><tr><td>/</td><td></td></tr></table>						<u>Name/Function</u>	<u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u>	all parties /	contact through numbers listed above	/		/		/	
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/															
/															
9. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature:  ICS 204 IAP Page 8 Date/Time: 2-8-18 14:00															

Traffic Control Plan
Sturgeon River US-41 Gasoline Spill
2-9-18

- Truck drivers, flaggers, box-lining staff, and operators will attend an 08:00 (or earlier) 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 and potentially radio 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.

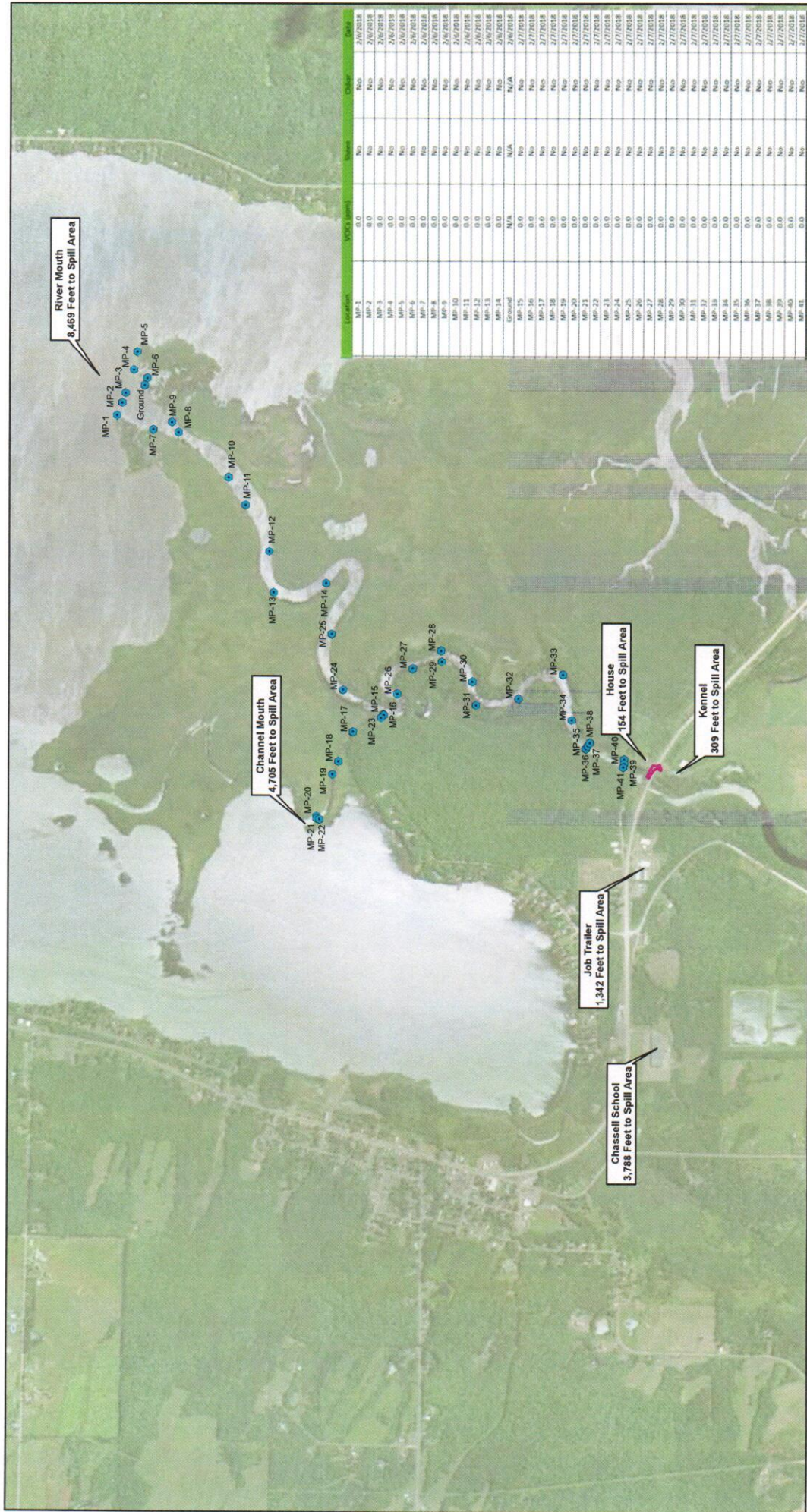
Signed: _____


TOM AHTOS

Date: 2-8-2018

Title: _____

OPS SECTION CHIEF



Map Location

Legend

- Spill Area
- On River Product Assessment Locations

Scale

0 625 1,250 2,500 Feet

Figure 2

STURGEON RIVER US 41 GASOLINE SPILL

SPILL AREA DISTANCES & RIVER ASSESSMENT

SHEET 1 OF 1

TRIMEDIA
ENVIRONMENTAL & ENGINEERING

Drawn: ESN 2/7/2018

Approved: MAK 2/7/2018

Project #: 2018-024