



**Lake Michigan
CONUS**

SMFF PROVIDER COMPANY & CONTRACTED RESOURCES
Updated quarterly or as changes occur.

SALVAGE

Temporary Timeframe Waiver	Location of incident response activity / timeframe			Resource provider status / response activity timeframe			
	Time (Years) OR Waiver End Date	Pier (hours)	CONUS: nearshore area; inland waters; Great Lakes (hours)	CONUS: offshore area (hours)	PIER	NEARSHORE	OFFSHORE
Assessment & Survey:	MAX	REGULATORY REQUIREMENT			COMPANY AND CONTRACTED CAPABILITY		
1. Remote assessment and consultation	N/A	--	1	1	--	R1, S3	
2. Begin assessment of structural stability	1	--	3	3	--	R1, S3	
3. On-site salvage assessment	1	--	6	12	--	R1, S3	
4. Assessment of structural stability	1	--	12	18	--	R1, S3	
5. Hull and bottom survey	2	--	12	18	--	R1, S3	
Stabilization:		REGULATORY REQUIREMENT			COMPANY AND CONTRACTED CAPABILITY		
6. Emergency towing (See towing vessel table)	NOTE	--	12	18	--	see towing vessel table	
7. Salvage plan	3	--	16	22	--	R1, S3	
8. External emergency transfer operations	3	--	18	24	--	R1, S3	
9. Emergency lightering	N/A	--	18	24	--	R1, S3	
10. Other refloating methods	3	--	18	24	--	R1, S3	
11. Making temporary repairs	3	--	18	24	--	R1, S3	
12. Diving services support	3	--	18	24	--	R1, S3	
Specialized Salvage Operations:		REGULATORY REQUIREMENT			COMPANY AND CONTRACTED CAPABILITY		
13. Special salvage operations plan	5	--	18	24	--	R1, S3	
14. Subsurface product removal	5	--	72	84	--	R1, S3	
15. Heavy lift/1/ (See description 1.)	N/A	--	Estimate 1	Estimate 2	--	R1 (24- 72hrs)	

MARINE FIREFIGHTING

Assessment & Planning:		REGULATORY REQUIREMENT			COMPANY AND CONTRACTED CAPABILITY		
16. Remote assessment and consultation	N/A	1	1	1	R1, S3	R1, S3	
17. On-site fire assessment	1	2	6	12	R1, S1, S3	R1, S1, S3	
Fire Suppression:		REGULATORY REQUIREMENT			COMPANY AND CONTRACTED CAPABILITY		
18. External firefighting teams	4	4	8	12	R1, S1, S3	R1, S1, S3	
19. External vessel firefighting systems	4	4	12	18	R1, S1, S3	R1, S1, S3	

1/1 Heavy lift services are not required to have definite hours for a response time. The planholder must still contract for heavy lift services, provide a description of the heavy lift response and an estimated response time when these services are required. However, none of the timeframes listed in the table §155.4030(b) will apply to these services.

SMFF PROVIDER

155.4030(a) required, Lake Michigan

T&T Salvage, LLC
24 Hour Emergency Response 713-534-0700
www.ttsalvage.com

**Lake Michigan - 33 CFR 155.4030(f)
SMFF PROVIDER - TRANSFER EQUIPMENT**

Largest tank -this zone	*246,960	gallons
Heaviest Oil	COI Grade A and lower	
Required pumping capacity	*10,920	g/p/h
Sources:	R1	

**Lake Michigan
KEY
CONUS**

CONTRACTED-AVAILABLE

R1	Primary Resource Provider
	Subcontractor - Private
	Consent - Public Resources
	COVERED & EXPLAINED
	Further Description Provided
	Waiver Information Provided

**Lake Michigan - 33 CFR 155.4030(g)
SMFF PROVIDER - EXTINGUISHING AGENT
QUANTITY / TYPE**

**Lake Michigan 33 CFR 155.4030(g)
SMFF PROVIDER - EXTERNAL FIRE PUMPS
23213 S Young Road Channahon, IL 60410 (1) Hale 1500 GPM**

156 gallons / 3% foam concentrate*	Largest deck -this zone	*19,200	sq ft
	Lgst calculated qty/20 min	*6,144	gallons
	Required pumping capacity	*18,432	g/p/h
Sources: R1, S1	Sources:	R1, S1	

NOT COVERED

DATE	GAP - Corrected soon
	GAP

**Lake Michigan - 33 CFR 155.4030(h)
SMFF PROVIDER - SUBSURFACE EXTERNAL PUMPS**

Resources to remove cargo and fuel in waters
40 to 150 feet deep are available in this zone:
Sources: R1

ATTACH DESCRIPTION 1

1. Description of Heavy Lift capability for this zone:

Portable and/or floating heavy lift assets could be dispatched
to this COTP zone arriving at the following estimated
timeframes: AIR / LAND / SEA 24-72 HRS

NOTE: Temporary Waiver from Timeframe

NOTE: Alternative Planning Compliance

*Calculations based upon GREAT LAKES / IMO # 8641111

SMFF PROVIDER and Subcontracted Resource Providers					
PRIMARY RESOURCE PROVIDER	NAME	LOCATION	24-HR PHONE	FAX	WEBSITE URL
R1	T&T Salvage, LLC	DeeAnn Ebanks	Panama City, FL/ Houston, TX	713-534-0700	www.ttsalvage.com
R1	T&T Salvage, LLC	JoAnn Henzel	Ft Lauderdale, FL	713-534-0700	www.ttsalvage.com
R1	T&T Salvage, LLC	Mauricio Garrido	Houston, TX	713-534-0700	www.ttsalvage.com
R1	T&T Salvage, LLC	Jim Elliott	Houston, TX	713-534-0700	www.ttsalvage.com
R1	T&T Salvage, LLC	Mike Popa	Detroit, MI	713-534-0700	www.ttsalvage.com
R1	T&T Salvage, LLC	Rebecca Garcia-Malone	Jacksonville, FL/ Houston, TX	713-534-0700	www.ttsalvage.com
	Subcontractors				
S1	Resolve Salvage & Fire (Americas) Inc	Bryan Alonso	Fort Lauderdale, FL	954-764-8700	954-764-8724 www.resolvemarine.com
S3	T&T Marine Salvage, Inc.		Galveston, TX	409-744-1222	www.tandtmarine.com
OTHER CONTRACTED PROVIDERS	NAME	LOCATION	24-HR PHONE	FAX	WEBSITE URL
O1					
	Public Resources				
P1					
P2					

DESCRIPTION: Resource provider status / response activity timeframe

Use this notation to describe estimated response time when it is longer than required, or outside required area

N/A Time Estimate Response Description

LIST OF ATTACHMENTS

Description of Coverage

N/A

Lake Michigan SMFF PROVIDER & CONTRACTED RESOURCES CITY	Description	PIER RESPONSE Firefighters able to respond in 2 hours OR WAIVER	PIER RESPONSE Firefighters able to respond in 4 hours OR WAIVER	Public Firefighter Jurisdiction Limits
Argo, IL		R1, S1	R1, S1	
Channahon, IL		R1, S1	R1, S1	
Chicago, IL		R1, S1	R1, S1	
Charlevoix, MI		R1, S1	R1, S1	
Frankfort, MI		R1, S1	R1, S1	
Gary, IN		R1, S1	R1, S1	
Gladstohe, MI		R1, S1	R1, S1	
Grand Haven, MI		R1, S1	R1, S1	
Green Bay, WI		R1, S1	R1, S1	
Hennepin		R1, S1	R1, S1	
Holland, MI		R1, S1	R1, S1	
Lemont, IL		R1, S1	R1, S1	
Ludington, MI		R1, S1	R1, S1	
Manistee, MI		R1, S1	R1, S1	
Manitowoc, WI		R1, S1	R1, S1	
Menominee, WI		R1, S1	R1, S1	
Meredosia		R1, S1	R1, S1	
Milwaukee, WI		R1, S1	R1, S1	
Muskegon, MI		R1, S1	R1, S1	
Northport, WI		R1, S1	R1, S1	
Pentwater, MI		R1, S1	R1, S1	
Perkin, IL		R1, S1	R1, S1	
Port Washington, WI		R1, S1	R1, S1	
Racine, WI		R1, S1	R1, S1	
Roxanna, IL		R1, S1	R1, S1	
Sheyboygan, WI		R1, S1	R1, S1	
St James, MI		R1, S1	R1, S1	
St Joseph, MI		R1, S1	R1, S1	
Stergeon Bay, WI		R1, S1	R1, S1	
Traverse City, MI		R1, S1	R1, S1	
Utica, IL		R1, S1	R1, S1	
Waukegan, IL		R1, S1	R1, S1	
Willow Springs, IL		R1, S1	R1, S1	
Wood River, IL		R1, S1	R1, S1	

The information contained herein is for planning purposes only. No warranty, expressed or implied, is made regarding the accuracy, adequacy, completeness, reliability or usefulness of the information. During a drill or actual emergency, the preservation of life and the environment will always take precedence; therefore, T&T Salvage reserves the right to utilize subcontracted resources that will lead to the most expeditious and effective response.