

Mississippi Marine Debris Emergency Response Guide: Field Reference Guide

NOAA Marine Debris Program National Oceanic and Atmospheric Administration U.S. Department of Commerce October 2024

Photo: NOAA

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1 Introduction

1.1 Purpose

This Field Reference Guide condenses information contained in the Mississippi Marine Debris Emergency Response Guide: Comprehensive Guidance Document (Guide) to facilitate use during emergency response operations. While the Comprehensive Guidance Document serves as a complete reference for marine debris response in Mississippi, the Field Reference Guide includes the most pertinent information for quick reference in the field and during times of crisis. Both documents and subsequent versions will be posted on the NOAA Marine Debris Program website at https://marinedebris.noaa.gov/our-work/emergency-response.

The purpose of these documents is to improve preparedness for response and recovery operations following a marine debris incident in coastal Mississippi. The *Comprehensive Guidance Document* and complementary *Field Reference Guide* outline existing response structures at the local, state, and federal levels to facilitate a coordinated, well-managed, and immediate response to marine debris incidents impacting the state of Mississippi. Organization roles and responsibilities are presented in a consolidated one-page <u>flowchart</u> which functions as a decision tree for marine debris response. Additionally, organization jurisdictions are presented in a <u>map</u>, which is also available <u>online</u>. The document also includes an overview of permitting and compliance requirements that must be met before debris removal work begins. This information is synthesized in a one-page reference <u>handout</u>.

1.2 Scope of Guide

The *Guide* addresses both natural and anthropogenic marine debris incidents affecting Mississippi's coastal areas with a focus on Hancock, Harrison, and Jackson counties. In 33 U.S.C. § 1956(3), marine debris is defined as any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or Great Lakes. Although vegetative debris is not included in the legal definition for marine debris, stakeholders have identified it as a common debris stream of concern following

natural disasters. Therefore, in this document, the term marine debris is used more generally and also includes vegetative material and debris that could be exposed to or release oil, hazardous substances, pollutants, or contaminants that enters a waterway following an acute incident and poses a threat to the natural or built environment. This also includes shoreline and wetland debris and debris in some inland, non-tidal waterways.

2 Mississippi Marine Debris Response Flowchart

The "Mississippi Marine Debris Response Flowchart" on the following page provides a visual one-page representation of organization roles and responsibilities. The flowchart functions as a decision tree for marine debris response with color-coded endpoints. Yellow endpoints represent response to marine debris that is exposed to or has the potential to release oil, hazardous substances, pollutants, or contaminants. Blue endpoints represent response to marine debris that is not exposed to and does not have the potential to release oil, hazardous substances, pollutants, or contaminants. Endpoints within the green shaded area indicate that response may occur under Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act) authorities and/or funding.

The intent of the flowchart is to outline the most likely response structure with the understanding that flexibility is an inherent component of an effective response.

Purpose

This flowchart functions as a decision tree for marine debris response with color-code endpoints. It is designed to inform response to debris that enters a waterway following a natural or anthropogenic incident and poses a threat to the natural or built environment. This may include shoreline debris and debris in some inland, nontidal waterways.

During Stafford Act declarations, USCG/EPA retain

from local, state, or tribal governments

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authority to respond under the NCP without a request

Mississippi Marine Debris Response Flowchart

MDEQ - MS Department of Environmental Quality

ACP - Area Contingency Plan

then to eligible applicant

MDEQ leads response

If state is eligible applicant,

DoD – Department of Defense EPA – U.S. Environmental Protection Agency

ESF – Emergency Support Function EWP - Emergency Watershed Protection

FEMA – Federal Emergency Management Agency

NPS - National Park Service

MDMR - MS Department of Marine Resources MEMA – MS Emergency Management Agency NCP - National Oil & Hazardous Substances Contingency Plan

NRC - National Response Center

NRCS - Natural Resources Conservation Service RP – Responsible Party (Owner, Operator, Lessee) USACE – U.S. Army Corps of Engineers USCG - U.S. Coast Guard USFWS - U.S. Fish and Wildlife Service

Response to marine debris that is exposed to or has the potential to release oil, hazardous substances, pollutants, or contaminants

Flowchart

FEMA provides funding but does not conduct debris removal work

* FEMA eliaible applicants must have legal responsibility to remove debris and

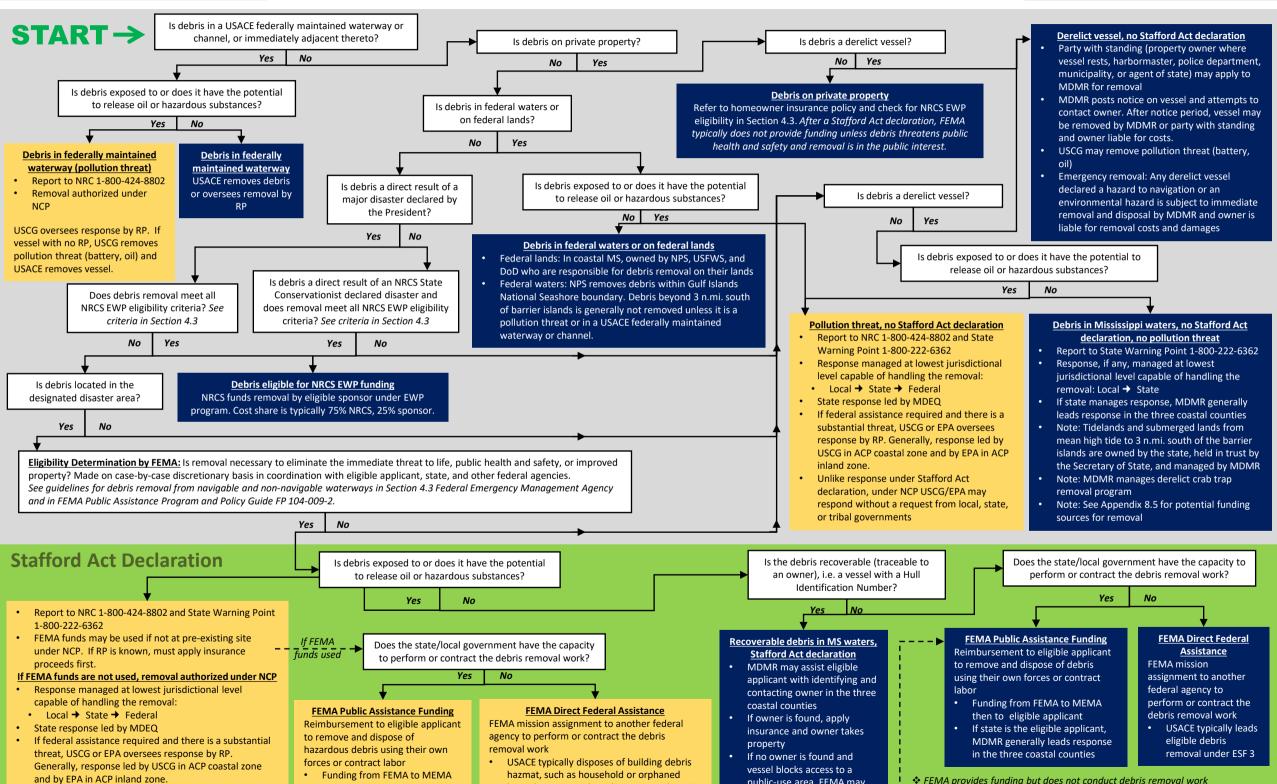
include state and territorial governments. Indian Tribal Governments. local

governments, and private nonprofit organizations that serve a public function.

❖ Public Assistance cost share is typically 75% FEMA, 12.5% state, 12.5% applicant

Response to marine debris that is not exposed to and does not have the potential to release oil, nazardous substances, pollutants, or contaminants

> Indicates response may occur under Stafford Act authorities and/or funds



hazardous materials and e-waste under ESF

EPA or USCG typically lead hazardous waste

disposal under ESF 10

public-use area, FEMA may

reimburse applicant for

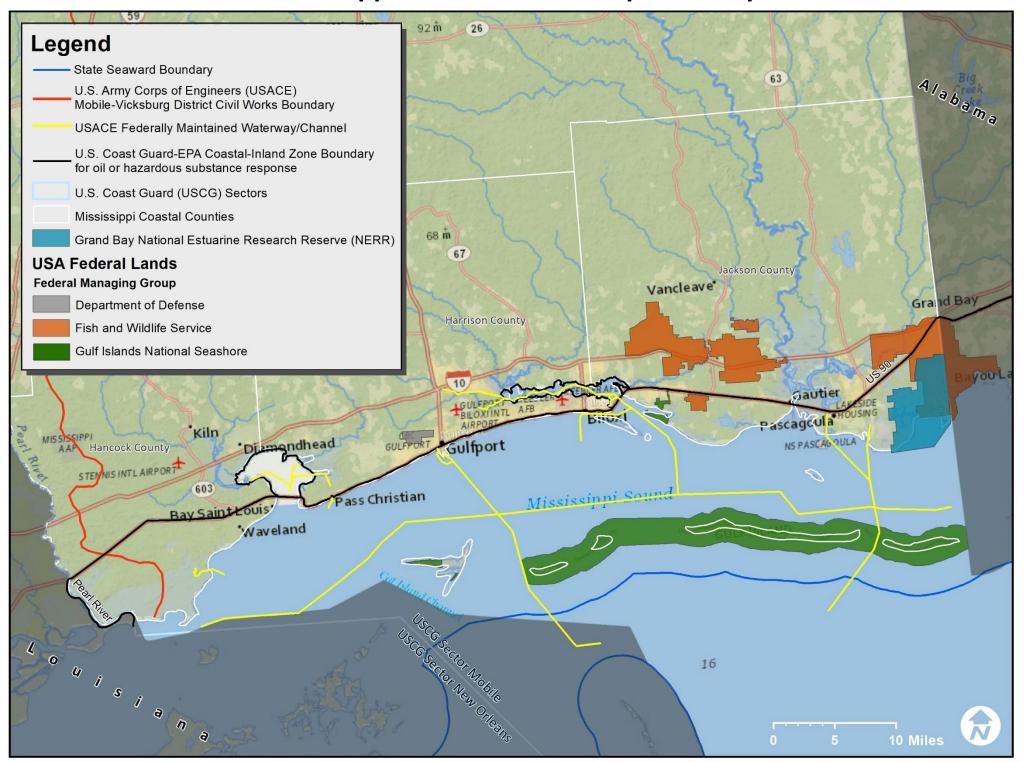
removal

3 Organization Jurisdictions and Capabilities

3.1 Mississippi Marine Debris Response Map

The "Mississippi Marine Debris Response Map" on the following page displays relevant agency jurisdiction boundaries in Mississippi's three coastal counties. After a marine debris incident, the agency (or agencies) with jurisdiction and authority for removing debris will vary depending on where the debris is located. This map includes information that stakeholders identified as important in determining jurisdiction within the state. A dynamic version of the response map is also available online in NOAA's Environmental Response Management Application (ERMA).

Mississippi Marine Debris Response Map



3.2 Response Capabilities

	Yes - Verified In-house Capability Contract - Contracted capability	MDEQ	MDMR	MSU-ES /MS- AL Sea Grant Consortium	BSEE ¹	FEMA Region IV ²	NOAA	NRCS	USACE	USCG Sector Mobile	U.S. EPA Region IV ¹¹	USFWS
	Aerial photography and video	-	-	-	-	-	Yes	-	-	Yes	Contract	-
Te ch	IT support during response (server/storage space for data and information sharing)	-	-	-	-	-	Yes	-	Yes	-	Yes	-
nol og	Remote sensing (LIDAR)	-	-	-	-	-	Yes	-	Contract	-	Contract	-
у	Sub-Surface Detection: Multi-beam, side scan, and side scan sonar	-	Yes	-	ı	-	Yes	-	Contract	-	Contract	-
	Aircraft	ı	•	1	ı	-	Yes	-	-	Yes	Contract	-
	Boom	ı	•	1	ı	-	1	-	Contract	Contract	Contract	-
Eq	Heavy equipment: Barge, Self-loading barge, Crane, Knuckleboom Crane, Environmental clamshell dredge, Excavator	-	-	-	-	-	-	-	Contract	Contract	Contract	-
uip	Remotely Operated Vehicle (ROV)	-	-	-	-	-	-	-	Yes	-	Contract	-
me nt	Unmanned Aerial Vehicle (UAV)/Surveillance drones with FAA trained operator	1	-	-	1	-	Yes	-	Yes ⁵	-	Contract	-
	Vessels	-	Yes	-	-	-	Yes	-	Contract	Yes	Contract	Yes
	Other specialized equipment that cannot be readily procured immediately following a debris incident (from heavy equipment to electronics)	-	-	-	-	-	-	-	Contract	Yes	Contract	Yes
	Communication/public information expertise (dedicated spokesperson/Public Information Officer)	-	-	-	-	-	-	-	Yes	Yes	Yes	-
	Compliance and permitting expertise	Yes	Yes	-	-	Yes	Yes	Yes	Yes	-	Yes	Yes
W or	Data/information management capabilities	ı	ı	Yes	ı	-	ı	-	Yes	ı	Yes	-
kfo rce	Debris modeling expertise (volume, transport, hindcasting, etc.)	-	-	-	-	-	Yes	-	Yes	-	Contract	-
/E xp ert	Dedicated waterway/marine debris staff (responders, response team, regional coordination, etc.)	ı	-	-	1	-	Yes	1	Yes	Yes	-	-
ise	Dive support (scientific, technical, commercial, etc.)	-	Yes	-	-	-	Yes	-	-	Contract	Contract	-
	Environmental or cultural resource expertise (location of sensitive areas, endangered species present, etc.)	Yes	Yes	Yes	Yes	Yes	Yes³	Yes	Yes	Yes	Yes	Yes

	Yes - In-house Capability	MDEQ	MDMR	MSU-ES/MS- AL Sea Grant Consortium	BSEE ¹	FEMA Region IV ²	NOAA	NRCS	USACE	USCG Sector Mobile	U.S. EPA Region	USFWS
	Contract - Contracted capability			Consortium		.,				WOODIIC	10	
W ork	Geographic Information System (GIS) mapping and plotting of imagery	-	Yes	Yes	-	Yes	Yes	-	Yes ⁶	-	Yes	-
for	Hazardous substance and/or oiled debris expertise	Yes	-	-	-	-	Yes	-	Yes	Yes	Yes	-
ce/	Incident Command System (ICS) trained staff	Yes	-	-	-	Yes	Yes	-	Yes	Yes	Yes	-
Ex	Local expertise	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes
pe rtis	Post-storm damage assessment teams	-	-	Yes	-	Yes	-	-	-	Yes	Yes	-
e co	Technical expertise for removal operations (techniques, best management practices, etc.)	-	-	Yes	-	Yes	Yes	Yes	Yes ⁷	Yes	Yes	-
nti	Volunteer manpower/Volunteer coordination	-	-	Yes	-	-	-	-	-	Yes	-	Yes
nu ed	Waterway management authority (law enforcement officers)	-	Yes	-	-	-	-	-	-	Yes	-	-
	Contracting: Contract authority and oversight capabilities	Yes	Yes	-	-	-	Yes	-	Yes	Yes ⁹	Yes	-
	Contracting: Pre-approved removal contractors	Yes	-	-	-	-	-	-	Yes	Yes ⁹	-	-
	Contracting: Pre-event contracts and staged agreements in place	-	-	-	-	-	-	-	Yes	Yes ⁹	Yes	-
	Docks for wet storage of vessels	-	Yes	-	-	-	-	-	-	Yes ¹⁰	-	-
	Facility suitable for establishing an emergency operations center	-	-	-	-	-	Yes	-	Yes	Yes	-	-
	Funding for marine debris removal	-	Yes	-	-	-	Yes ⁴	Yes	Yes ⁸	Yes	Yes	-
Lo	Pre-designated landfill/disposal sites	Yes	-	-	-	-	-	-	-	-	-	-
gis tic	Research program established to analyze long-term trends, impacts, etc.	-	-	Yes	-	-	Yes	-	Yes	-	-	-
S	Staging/Off-Loading: Land with water access to stage, offload debris (has not been evaluated for suitability or officially pre-designated)	-	Yes	-	-	-	-	-	-	-	-	-
	Staging/Off-Loading: Pre-designated staging, off- loading and special handling areas (already evaluated for suitability)	-	-	-	-	-	-	-	-	Yes	-	-
	Staging area for dry storage of vessels	-	Yes	-	-	-	Yes	-	Yes	Yes ¹⁰	-	Yes
	Other logistical support, including fuel, housing, food, dumpsters, roll-off containers, trucks to haul debris, etc.	-	Yes	-	-	-	-	-	-	-	Contract	-

Note: Capabilities which could be used during marine debris response in Mississippi were either identified through research or were self-reported by an organization. Organizations were asked to indicate whether capabilities were in-house or were contracted through a third party. Footnotes refer to additional information provided for a particular capability. While not included in this table, local jurisdictions may also possess capabilities listed above and should be included in all phases of response to maximize utilization of local expertise and resources.

¹ BSEE	BSEE may have other capabilities, but agency mission does not directly support debris response.
² FEMA	Capabilities contingent upon a Presidential major disaster declaration. FEMA capable of mission-assigning other federal
	support to increase capabilities. FEMA has interactive live collection and mapping capabilities and a template wet debris
	collector map for Region IV.
3NOAA	Coordinates marine mammal and sea turtle stranding response and reviews proposed debris removal activities for compliance
	with ESA and Magnuson-Stevens Fisheries Conservation and Management Act
⁴ NOAA	Funding through grant program and possible Congressional supplemental funding
5USACE	Surveillance drone housed at USACE District, Jacksonville
⁶ USACE	Have GIS cadre for response
⁷ USACE	Have planning response teams
8USACE	Funding in place for federal projects only
9USCG	USCG contracts only
¹⁰ USCG	Limited space
¹¹ EPA	EPA routinely conducts removal operations of hazardous substances and oil, including debris. EPA resources would be tasked
	by the EPA personnel operating in the Unified Command or by EPA's FOSC/Duty Officer in Region IV.

4 Permitting and Compliance Requirements in Mississippi

The "Permitting and Compliance for Marine Debris Removal in Mississippi" handout on the following page synthesizes permitting and compliance requirements that must be met before marine debris removal operations begin. The top portion of the handout outlines the process to follow to stay in compliance, while the bottom portion highlights specific state and federal agency requirements with general contact information.

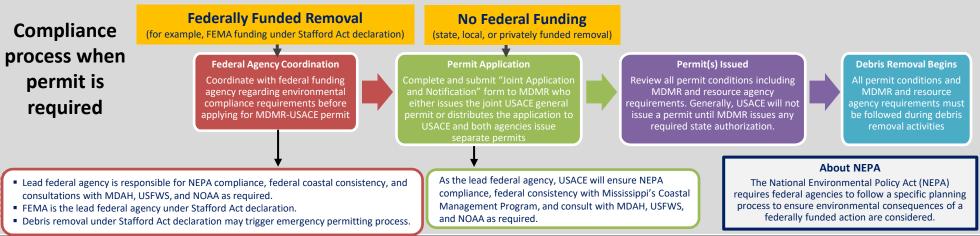
Permitting and Compliance for Marine Debris Removal in Mississippi

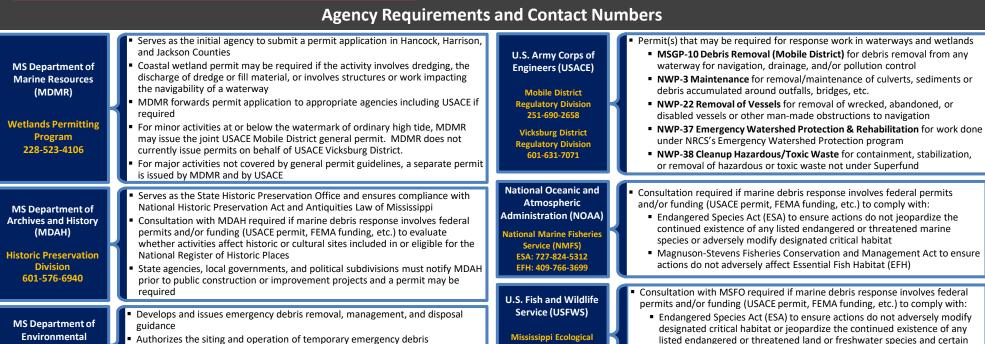
- In Mississippi's coastal zone (Hancock, Harrison, and Jackson Counties), a MS Department of Marine Resources (MDMR) coastal wetland permit and/or U.S. Army Corps of Engineers (USACE) permit may be required if debris removal involves dredging, the discharge of dredge or fill material, or involves structures or work impacting the navigability of a waterway.
- MDMR and USACE have a joint permit application process.

Quality (MDEQ)

601-961-5171

The <u>lead federal agency</u> is responsible for compliance with National Environmental Policy Act (NEPA), federal coastal consistency, and consulting with tribal and resource agencies including Mississippi Department of Archives and History (MDAH), U.S. Fish and Wildlife Service (USFWS), and the National Oceanic and Atmospheric Administration (NOAA) as required.





management sites by agencies and organizations that manage disaster debris

Reviews and evaluates debris removal permit applications for impacts to

wetlands, streams, and open waters

Services Field Office

(MSFO)

601-965-4900

marine species such as manatee

Coastal Barrier Resources Act to ensure actions do not encourage

development on coastal barriers along Mississippi's coast

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5 Contact Information

Note: Contact information is only included for organizations who have provided and/or approved information in the following tables.

Local/State Agencies

Agency	Division	Topic	Point of Contact	Phone	Email
County Emergency Management Agencies	-	-	See https://www.msema.org/county-ema/ for a complete list of county emergency management contacts	-	-
MC December of		Netto dell'esto de Bosso della della	Main Number	601-576-6940	-
MS Department of Archives and History (MDAH)	Historic Preservation Division	National Historic Preservation Act and Antiquities Law of Mississippi compliance	Barry White, Deputy State Historic Preservation Officer	601-576-6953	bwhite@mdah.ms.gov
(MDAII)		compliance	Cindy Carter-Davis, Chief Archaeologist	601-576-6945	ccarterdavis@mdah.ms.gov
	-	-	Main Number	601-961-5171	-
	Office of Pollution Control,	ESF 10 Oil and Hazardous	Nick Hatten	601-961-5171	nhatten@mdeq.ms.gov
MS Department of	Emergency Services Division	Material Response lead	Cody Fisher, Chief, Emergency Services Division	601-961-5065	cfisher@mdeq.ms.gov
Environmental Quality (MDEQ)	Office of Pollution Control, Field Services Division, South Regional Office	Planning and coordination	Kim Lawrence, Supervisor	228-432-3453	klawrence@mdeq.ms.gov
	Office of Pollution Control, Waste Division	Debris management and disposal	Ethan Mayeu, Solid Waste Compliance Branch Chief	601-961-5726	emayeu@mdeq.ms.gov
			Trent Jones, Chief, Waste Division	601-961-5726	tjones@mdeq.ms.gov
	Office of Coastal Resources Management	Coastal Preserves Bureau – response in MS Coastal Preserves	James Davis, Coastal Preserves Bureau Director	228-523-4115	james.davis@dmr.ms.gov
		Wetlands and Permitting Bureau – permitting and compliance	Front Desk	228-523-4106	jennifer.stout@dmr.ms.gov
			Laura Moncrief, Director Bureau of Wetlands Permitting	228-523-4149	laura.moncrief@dmr.ms.gov
MS Department of	Office of Finance and	Derelict Vessel Program	Russell Weatherly, Derelict Vessel Removal Coordinator	228-374-5000	russell.weatherly@dmr.ms.gov
Marine Resources (MDMR)	Administration	Grand Bay NERR – response in Grand Bay NERR	Dr. Ayesha Gray, Manager	228-475-7047	ayesha.gray@dmr.ms.gov
(WEWAY)		Tidelands Program	Sonja Slater, Tidelands Coordinator	228-523-4138	sonja.slater@dmr.ms.gov
	Office of Market Pickards	Mississippi Derelict Crab Trap	Jason Saucier, Director Shrimp and Crab Bureau	228-523-4038	jason.saucier@dmr.ms.gov
	Office of Marine Fisheries	Removal Program	Traci Floyd, Director Marine Fisheries	228-523-4068	traci.floyd@dmr.ms.gov
	Office of Marine Patrol	Report boating emergencies	Marine Patrol Dispatch	1-844-WE-R-DMR (1-844-937-6367) or 228-523-4134	-

State Agencies Continued

Agency	Division	Topic	Point of Contact	Phone	Email
		Report emergencies including hazardous	State Warning Point	1-800-222-6362	-
	-	material, marine, petroleum or weather incidents	MEMA Watch Desk	601-933-6671	watchdesk@mema.ms.gov
	Office of Preparedness		Thomas Harris, Preparedness Office Director	601-933-6601	tharris@mema.ms.gov
MS Emergency	Office of Preparedness		Ramous Austin, Southern District Bureau Director	601-933-6360	raustin@mema.ms.gov
Management	Office of Public Assistance	Planning and coordination	Mike Siler, Public Assistance Office Director	601-933-6886	msiler@mema.ms.gov
Agency (MEMA)			Diane Sager, Public Assistance Bureau Director	228-432-3001	dsager@mema.ms.gov
	Office of Response and Radiological Emergency Preparedness		Bobby Hobson, Operations Section Chief	601-933-6675	rhobson@mema.ms.gov
MS Secretary of State's Office	-	Trustee of tidelands and submerged lands	Raymond Carter, Assistant Secretary of State - Gulf Coast	228-432-0541	raymond.carter@sos.ms.gov
MS State University Extension Service (MSU-ES)	Coastal Research and Extension Center	Mississippi Coastal Cleanup Program	Eric Sparks	228-388-4710	eric.sparks@msstate.edu

Federal Agencies

Agency	Division	Topic	Point of Contact	Phone	Email
Bureau of Safety and Environmental Enforcement (BSEE)	Marine Trash and Debris Program	Planning and coordination	James Sinclair, Marine Ecologist	504-736-2789	james.sinclair@bsee.gov
Cadaval Consumer	Region IV	Funding following presidential disaster declaration	Contact local emergency management agency. See https://www.msema.org/county-ema/ for a complete list of contacts.	-	-
Federal Emergency Management Agency (FEMA)		Technical expertise for removal operations and environmental, compliance, and permitting expertise	Scott Fletcher, Sr. Environmental Protection Specialist	202-322-3924 (C)	scott.fletcher@fema.dhs.gov
		Environmental and historic preservation	Kari Elkins, Regional Unified Federal Review Coordinator	256-343-3570 (C)	kari.elkins@fema.dhs.gov
		Emergency ESA/EFH consultation	-	-	nmfs.ser.emergency.consult@noaa.go v
National Oceanic and Atmospheric			David Dale	727-551-5736	david.dale@noaa.gov
Administration	National Marine	EFH information	January Murray	601-890-1504	january.murray@noaa.gov
(NOAA) continued on next	Fisheries Service (NMFS or NOAA Fisheries)		Rusty Swafford	409-766-3699	rusty.swafford@noaa.gov
	,		General Contact, Routine ESA Consultation	727-824-5312	-
page		ESA information	Joe Cavanaugh, Section 7 Routine and Emergency Consultation Biologist	-	joseph.cavanaugh@noaa.gov

Federal Agencies Continued

Agency	Division	Topic	Point of Contact	Phone	Email
continued from previous page	NOS, Office of Coast Survey	Navigation preparation and response	Tim Osborn, Regional Navigation Manager – Central Gulf Coast	337-291-2111	tim.osborn@noaa.gov
National Oceanic and	NOS, Office of Response and Restoration, Emergency Response Division	Potential to release oil or hazardous substance	Adam Davis, Scientific Support Coordinator for USCG District 8 and backup for RRT IV	206-549-7759 (C) 206-526-4911 (24hr)	adam.davis@noaa.gov
Atmospheric Administration (NOAA)	NOS, Office of Response and Restoration, Marine Debris Program	Planning and coordination for marine debris issues	Jessi James-Barry, Gulf of Mexico Regional Coordinator	251-544-5013 (O) 251-222-0276 (C)	jessi.james-barry@noaa.gov
	C. If tale and a Martin and	Barrage is C. Wilder de National	Darrell Echols, Superintendent	850-934-2600	darrell_echols@nps.gov
National Park	Gulf Islands National Seashore	Response in Gulf Islands National Seashore	Biologist	-	-
Service (NPS)			Environmental Protection Specialist	-	-
	-	Response on NPS-owned lands	C. Anna Toline, Marine Scientist, Oceans Program Coordinator	843-333-3707	catherine_toline@nps.gov
Natural	Hancock County Soil and Water Conservation District	EWP information – Hancock County	-	601-255-3225 ext. 3	-
Resource Conservation	Harrison County Field Office	EWP information – Harrison County	-	228-831-0881 ext. 3	-
Service (NRCS)	Jackson County Soil and Water Conservation District	EWP information – Jackson County	-	228-826-2482 ext. 3	-
	Emergency Operations	Mississippi Valley Division	Matt Tate, Debris Program Manager	251-802-2011	jacob.m.tate@usace.army.mil
		Vicksburg District – Primary District following Stafford Act Declaration	Kristina Hall, Regulatory Division Chief	601-631-5853	kristina.w.hall@usace.army.mil
		Mobile District – Support	Ashley Leflore, Chief Emergency Management	251-694-3760	ashley.leflore@usace.army.mil
U.S. Army Corps	Navigation	Mobile District – Federally maintained waterway or channel	Nate Lovelace, Operations Division	251-694-3713	nathan.d.lovelace@usace.army.mil
of Engineers		Walah as Bist fat - Fada all	Chad Bounds, Chief of Navigation Section	601-631-5267	chad.r.bounds2@usace.army.mil
(USACE)		Vicksburg District – Federally maintained waterway or channel	Joel Brown, Chief of River Operations	601-631-5600	joel.t.brown@usace.army.mil
		,	John Mark Henderson	601-631-7222	john.m.henderson@usace.army.mil
	Regulatory Program	Mobile District – Compliance and permitting	-	251-690-2658	cesam-rd@sam.usace.army.mil
	negulatory Frogram	Vicksburg District – Compliance and permitting	-	601-631-7071	regulatory@usace.army.mil
U.S. Coast Guard	-	Report potential to release oil or hazardous substance	National Response Center (NRC)	800-424-8802	-
(USCG)			Dee Oos, Area Contingency Plan Program Manager	571-607-4593	damara.a.oos@uscg.mil
continued on	District 8	Planning and coordination	Mike Sams, Incident Management Preparedness Advisor	571-607-5403	michael.k.sams@uscg.mil
next page			Adam Tyndale, Response Equipment Coordinator	504-671-2063	adam.j.tyndale@uscg.mil

Federal Agencies Continued

Agency	Division	Topic	Point of Contact	Phone	Email
continued from previous page	District 8	Planning and coordination	Dr. Keyth Pankau, District Response Advisory Team (DRAT) Supervisor	206-815-1056	keyth.a.pankau2@uscg.mil
			CWO Brandon Todd, DRAT	504-460-5002	brandon.l.todd@uscg.mil
			USCG Sector Mobile Command Center	251-441-5976	-
		Capability contact	Station Gulfport	228-868-3743	-
U.S. Coast Guard			Station Pascagoula	228-769-5601	-
(USCG)	District 8, Sector Mobile	Planning and coordination	LCDR Erica Brewton, Emergency Management Force Readiness Chief	251-441-5694	erica.m.brewton@uscg.mil
			Management Division Chief	-	-
			LT Andrew Anderson, Waterways Management	251-382-8653	andrew.s.anderson@uscg.mil
			LTJG Nina Lennon, Emergency Management Specialist	251-441-6698	nina.j.lennon@uscg.mil
U.S.		Report potential to release oil or hazardous substance	National Response Center (NRC)	800-424-8802	-
Environmental	Region IV	Planning and coordination	Gary Andrew, RRT IV and ESF 10 Coordinator	678-733-1621	andrew.gary@epa.gov
Protection Agency (EPA)			Jordan Garrard	404-562-8642	-
7.86.167 (2.7.7)		Capability contact	EPA Region IV Duty Officer	404-562-8700	-
	Coastal Program	Northern Gulf Coastal Program	Patric Harper, Coastal Program Coordinator	251-802-3154	patric_harper@fws.gov
U.S. Fish and Wildlife Service	Gulf Coast National Wildlife Refuge (NWR) Complex	Response in Mississippi Sandhill Crane and Grand Bay NWRs	Jeremy Edwardson, Project Leader	228-933-2585	jeremy_edwardson@fws.gov
(USFWS)	Mississippi Ecological	Compliance and permitting	Main Number	601-965-4900	-
	Services Field Office	Compliance and permitting	Paul Necaise	228-493-6631	paul_necaise@fws.gov





Gina M. Raimondo United States Secretary of Commerce

Dr. Richard W. Spinrad
Under Secretary of Commerce for Oceans and Atmosphere
and NOAA Administrator

Nicole R. LeBoeuf Assistant Administrator for Ocean Services and Coastal Zone Management