

# **Delaware Marine Debris Emergency Response Guide: Field Reference Guide**

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

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## 1 Introduction

### 1.1 Purpose

This *Field Reference Guide* condenses information contained in the *Delaware 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 incident waterway debris response in Delaware, the *Field Reference Guide* includes agency contact information and 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 National Oceanic and Atmospheric Administration's (NOAA) Marine Debris Program website at https://marinedebris.noaa.gov/.

The purpose of this document is to improve preparedness for response and recovery operations following a disaster that generates marine debris in Delaware. 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 Delaware. Individual organization roles and responsibilities are presented in a consolidated one-page flowchart, which functions as a decision tree for marine debris response. Organization jurisdictions are presented in a map in this document. A dynamic version of the jurisdiction map is also available <u>online</u>. Additionally, permitting and compliance requirements for marine debris removal have been synthesized in a one-page reference handout.

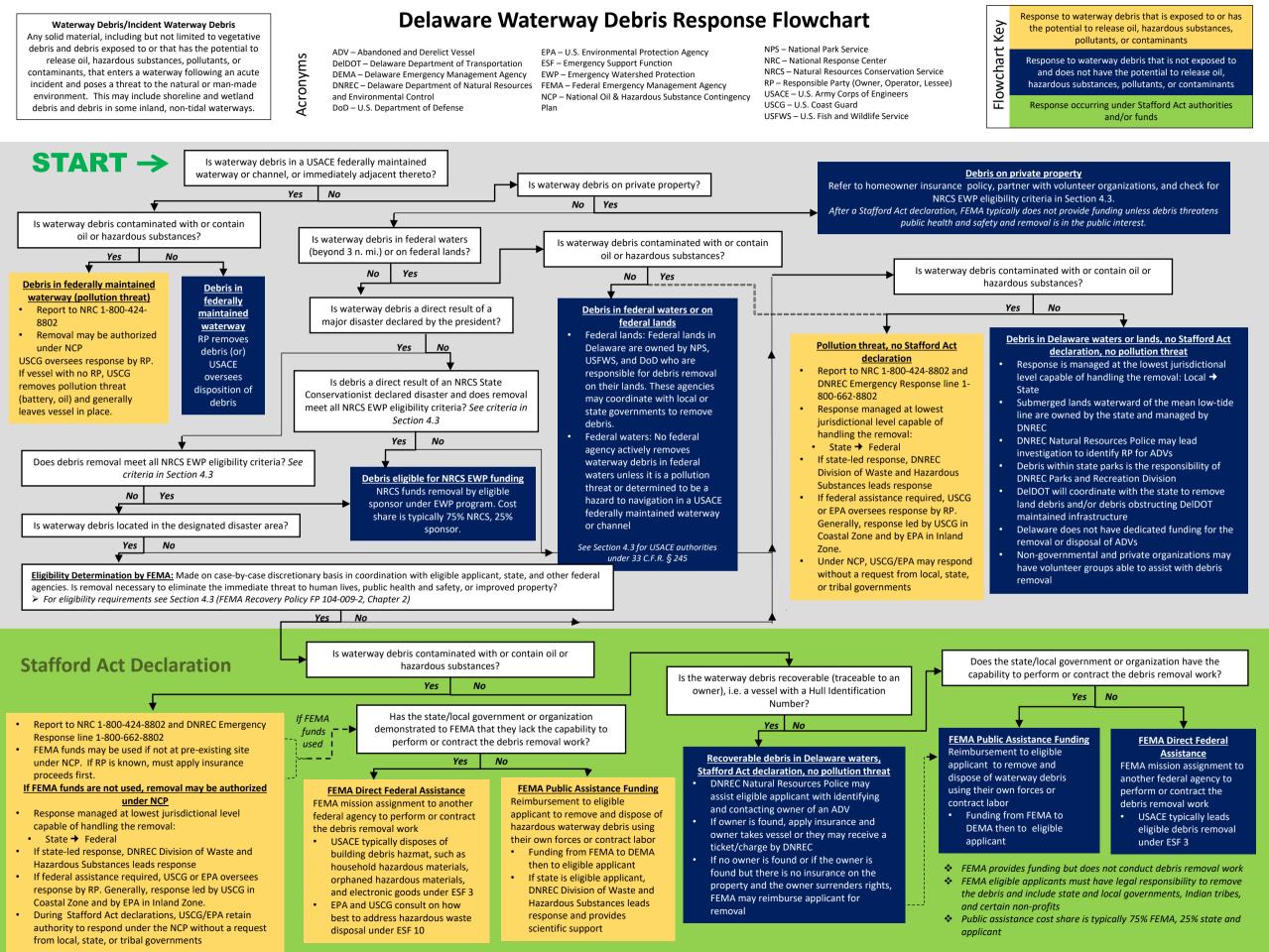
### 1.2 Scope of Guide

The *Guide* addresses both natural and anthropogenic marine debris incidents affecting Delaware's coastline. 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, Delaware 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 Delaware Marine Debris Response Flowchart

The "Delaware Marine Debris Response Flowchart" included in this section provides a visual onepage representation of organization roles and responsibilities. The flowchart functions as a decision tree for waterway 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.



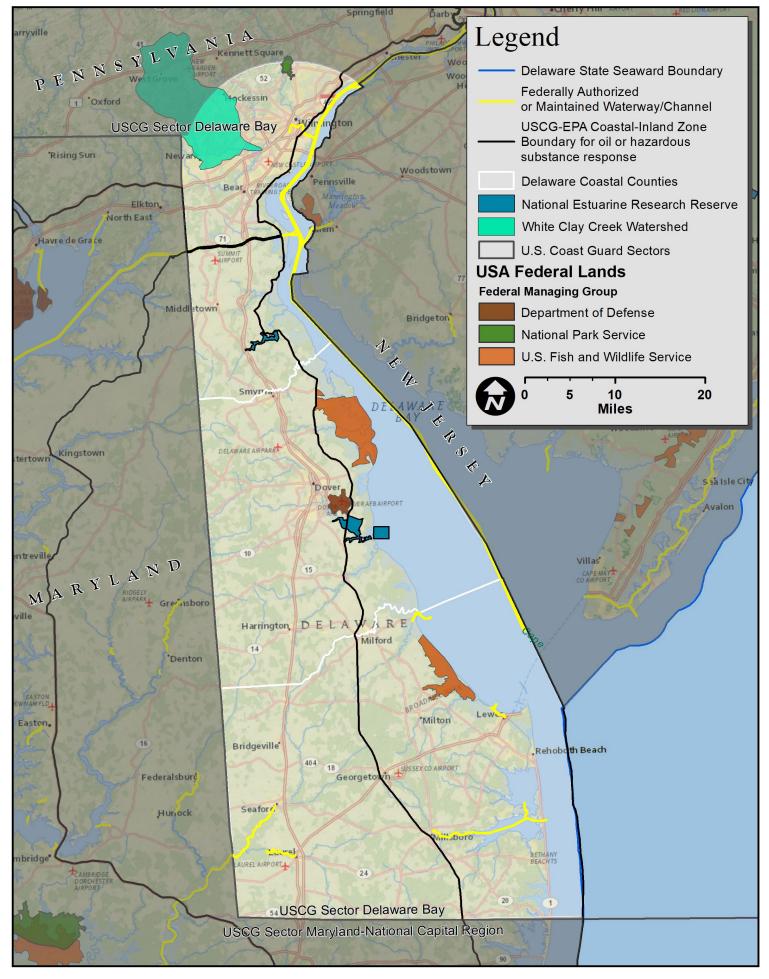
# **3 Agency Jurisdictions and Capabilities**

### 3.1 Agency Jurisdiction Map

The "Delaware Marine Debris Response Map" on the following page displays relevant agency jurisdiction boundaries in Delaware. After an acute marine debris incident, the agency (or agencies) responsible 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 this map is also available <u>online</u> through the Environmental Response Management Application (ERMA).

### 3.2 **Response Capabilities**

# **Delaware Incident Waterway Debris Response Map**



## 3.2 **Response Capabilities**

	Yes - In-house Capability Contract - Contracted capability		MA	NOAA <sup>2</sup>	USACE	U.S. EPA <sup>7</sup>	USCG	DEMA <sup>8</sup>	DNREC Fish &	DNREC Parks &	DE	DSWA
			on III <sup>1</sup>	NOAA	USACE	0.3. EPA	0300	DEIVIA	Wildlife	Recreation	SHPO	DSWA
То	Aerial photography and video	Ye s	Cont	Yes	Yes	Yes		Ye Cont s .				Yes
Te ch	Data Processing Software			Yes		Yes						
nol	Remote Sensing	Con	ntract	Yes		Yes						
og	Multi-beam sonar	Con	ntract	Yes	Yes				Yes			
У	Side-scan sonar	Con	ntract	Yes	Yes				Yes			
	Single-beam sonar	Con	tract	Yes	Yes				Yes			
	Academic expertise/science & technology liaison				Yes	Yes					Yes	
	Compliance and permitting expertise	Yes		Yes	Yes	Yes					Yes	
	Dive support	Contract		Yes <sup>3</sup>	Yes	Yes			Yes			
Ma np	Environmental expertise (location of sensitive areas and endangered species present, etc.)	Ye s	Cont	Yes	Yes	Yes			Yes	Yes	Yes	
ow er	Geographic Information System (GIS) mapping and plotting of imagery	Ye s	Cont	Yes	Yes	Yes		Yes		Yes		
	Public Affairs trained staff	Ye s	Cont	Yes	Yes	Yes		Yes	Yes	Yes	Yes	
	State tribal representative				Yes	Yes					Yes	
	Volunteer manpower	Ye s	Cont		Yes						Contrac t	
	Absorbents and solvents for oil cleanup					Contract						
	Aircraft	Con	ntract	Yes		Yes						
Eq uip	All-terrain vehicles or other vehicles for difficult terrain	Con	itract			Ye Cont s .		Yes <sup>9</sup>	Yes			
me	Autonomous Underwater Vehicle											
nt	Barge/Self-loading barge	Con	tract									
	Ocean Boom											

Oil Boom	Contract			Contract						
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	Yes - In-house Capability	FEMA Region	NOAA <sup>2</sup>	USACE	U.S.	USCG	DEMA <sup>8</sup>	DNREC Fish	DNREC Parks &	DE	DSWA
	Contract - Contracted capability	III <sup>1</sup>	_		EPA <sup>7</sup>			& Wildlife	Recreation	SHPO	Ē
	Crane/knuckleboom crane	Contract			Contract						
Eq	Dredge			Ye Cont s .	Contract						
uip	Excavator	Contract		Yes	Contract						
me nt	Ground Penetrating Radar				Contract				Yes		
(Co	In-situ burning										
nt.	Remotely Operated Vehicle	Contract	Yes								
)	Unmanned Aerial Vehicle	Contract	Yes	Yes			Yes <sup>10</sup>	Yes			
	Vessels	Contract	Yes	Yes⁵	Yes			Yes			
	Contract authority and oversight capabilities	Ye s	Yes	Yes	Yes		Contrac t			Yes	
	Disposal location for oiled debris										
	Docks for wet storage of vessels	Contract						Yes	Yes		
	Facility suitable for establishing an Emergency Operations Center (EOC)	Ye Cont.					Yes				
	Funding for marine debris removal	Yes	Yes <sup>4</sup>	Yes⁵							
Lo gis	Pre-approved marine debris removal contractors	Contract									
tic	Pre-designated landfill/disposal sites	Contract									Yes
S	Pre-event contracts and staged agreements in place	Contract									
	Staging/Off-Loading: Land with water access to stage, offload debris	Contract									
	Staging/Off-Loading: Pre-designated staging, off-loading and special handling areas	Contract									
	Staging area for dry storage of vessels	Ye s Cont.							Yes		

Other logistical support including fuel, housing,	Ye	Cont.			Contrac	Yes		ł
food, etc.	S	Cont.			t	res		ł

Note: Capabilities which could be used during waterway debris response in Delaware were self-reported by organizations. 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.

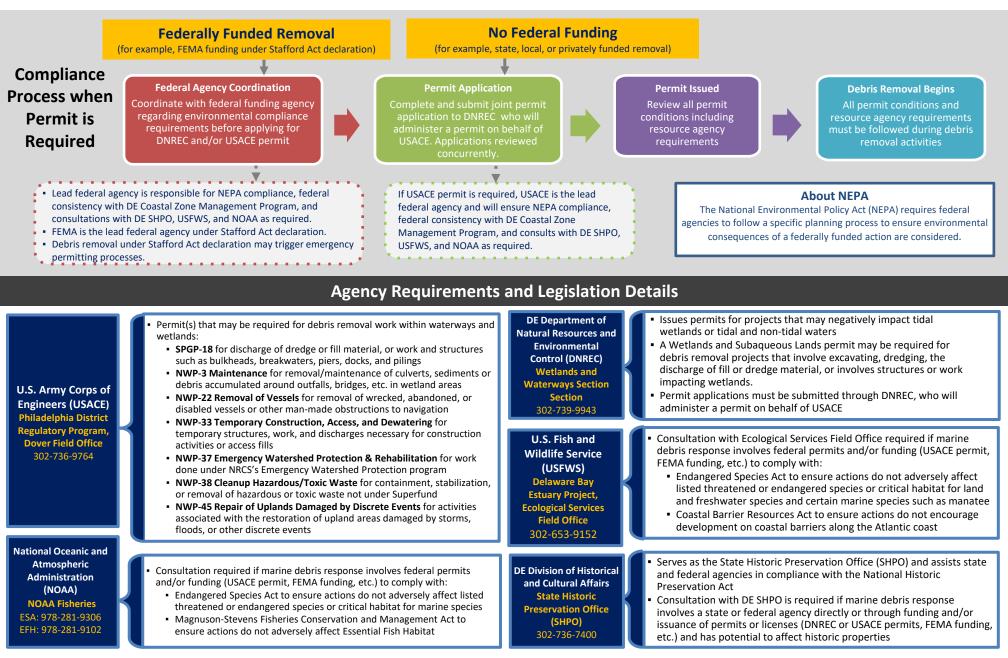
- <sup>1</sup>FEMA Capabilities reported 'Contract' may be contracted out or mission assigned to another federal agency
- <sup>2</sup>NOAA Some capabilities require contract support for staffing
- <sup>3</sup>NOAA Dive capabilities do not include sites with oil or hazardous pollutants
- <sup>4</sup>NOAA Funding through grant program and possible Congressional supplemental funding
- <sup>5</sup>USACE Funding available during federally declared disasters via FEMA mission assignment
- <sup>6</sup>USACE Survey vessels and one airboat available
- <sup>7</sup>U.S. EPA EPA does not have statutory authority to respond to debris. EPA has authority to respond to oil and hazardous materials pursuant to and consistent with the National Contingency Plan in the inland zone of the U.S.
- <sup>8</sup>DEMA DEMA is the lead/primary coordinating agency following a disaster. Resources will be coordinated through the state EOC.
- <sup>9</sup>DEMA DEMA has one all-terrain vehicle
- <sup>10</sup>DEMA DEMA has three operational, licensed drone pilots on staff and two drones

### **Permitting and Compliance Requirements in Delaware**

The "Permitting and Compliance for Marine Debris Removal in Delaware" 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 one-pager 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 Delaware

- In Delaware, a Delaware Department Natural Resources and Environmental Control (DNREC) Wetlands and Subaqueous Lands permit and/or a U.S. Army Corps of Engineers (USACE) permit
  may be required if debris removal involves excavating, dredging, the discharge of fill or dredge material, or involves structures or work impacting navigable waterways or wetlands.
- DNREC and USACE have a joint permit application process. Applicants must apply through DNREC and review will occur concurrently.
- The <u>lead federal agency</u> is responsible for compliance with National Environmental Policy Act (NEPA), federal coastal consistency, and consulting with resource agencies including Delaware State Historic Preservation Office (SHPO), U.S. Fish and Wildlife Service (USFWS), and National Oceanic and Atmospheric Administration (NOAA) Fisheries as required.



# 5 Organization Contact Information

### Local Agencies/Organizations

Agency	Division	Торіс	Point of Contact	Phone	Email
	Office of Emergency Management	Emergency Management	Willie J. Patrick, Jr., Director	-	willie.patrick@cj.state.de.us
City of Wilmington	Public Works	Debris Management	Rae'nita Shazier, Special Assistant to Commissioner Kelly A. Williams & Public Works Coordinator	302-576-3869 (o) 302-540-1827 (c)	rshazier@wilmingtonde.gov
		Street Cleaning	Preston Foster, Street Cleaning Supervisor	-	pfoster@wilmingtonde.gov
	Emergency Management	Emergency Management	Colin T. Faulkner, Chief	302-735-2200	colin.faulkner@co.kent.de.us
Kent County			Brandon Olenik, Administrative Officer	-	brandon.olenik@co.kent.de.us
New Castle County	Department of Public Safety	Emergency Management	David Carpenter, Director	302-395-2700	david.carpenter@newcastlede.gov
Sussex County	Public Safety	Emergency Operations	Joe Thomas, Director	302-855-7801	jthomas@sussexcountyde.gov
Sussex County	rubiic Salety	Center	24hr. line	302-855-7803	sussexeoc@sussexcountyde.gov

### State Agencies

Agency	Division	Торіс	Point of Contact	Phone	Email
Delaware Department of Agriculture	Animal Health	Emergency Operations			
	Climate, Coastal, &	Coastal Management Program	Bob Scarborough, Program Manager II	302-739-9283	bob.scarborough@delaware.gov
Delaware Department	Energy	St. Jones National Estuarine Research Reserve	Rachael Phillos, Manager	302-735-3411	rachael.phillos@delaware.gov
of Natural Resources and Environmental	Fish & Wildlife	Natural Resources Police	Nicholas Couch	302-739-6139 ex 110	nicholas.couch@delaware.gov
Control (DNREC)		Cultural Resources	Taylor Reynolds, Cultural Resources Unit Manager	302-739-9186	taylor.reynolds@delaware.gov
Continued on next			Rachel Perash, Archaeologist	302-739-9188	Rachel.perash@delaware.gov
page	Parks & Recreation	State Parks	James Wagner, Operations Administrator	302-650-3073	james.wagner@delaware.gov
			Michael Krumrine, Planner IV	302-739-9243	michael.krumrine@delaware.gov
			Grant Melville, Operations	302-379-9008	grant.melville@delaware.gov

#### **State Agencies Continued**

Agency	Division	Торіс	Point of Contact	Phone	Email
Continued from		Emergency Prevention and	24-hr Line	1-800-662-8802	-
Continued from previous page	Waste & Hazardous	Response	Matt Higgins	302-739-9404	matthew.higgins@delaware.gov
Delaware Department	Substances	Environmental Compliance	David Perrego, Senior Environmental Compliance Specialist	302-739-9403	david.perrego@delaware.gov
of Natural Resources and Environmental	Wetlands and Waterways	Permitting and Compliance	Matt Jones	302-739-9943	matthew.jones@delaware.gov
Control (DNREC)	Watershed Stewardship	Shoreline and Waterway Management	Kathleen Bergin	-	kathleen.bergin@delaware.gov
Delaware Department of Transportation	Traffic Operations	Debris Management	Dwayne Day, Homeland Security Planner	302-659-4604	dwayne.day@delaware.gov
(DelDOT)	and Management		Jeff VanHorn, Asst. Director	302-659-4606	jeffrey.vanhorn@delaware.gov
			Main Line	302-736-7400	-
Delaware Division of Historical and Cultural	State Historic Preservation Office (SHPO)	Historic and Cultural Preservation	Gwenyth A. Davis, Deputy State Historic Preservation Officer	302-736-7410	gwen.davis@delaware.gov
Affairs			Stephanie Soder, RPA, Cultural Preservation Specialist	302-736-7437	stephanie.soder@delaware.gov
Delaware Emergency			DEMA Operations/Duty Officer Line	302-734-6040	ops2.dema@delaware.gov
Management Agency (DEMA)	Planning	Recovery	Leanne VanDerveer, Principal Planner	302-222-6584	leanne.vanderveer@delaware.gov
Delaware Solid Waste Authority (DSWA)	Facility Management	Debris Disposal	Justin Wagner, Facility Manager	302-604-2222	jww@dswa.com
Liniversity of Delawara	Delaware Sea Grant		Brittany Haywood, Coastal Ecology Specialist		haywoodbl@udel.edu
University of Delaware	Delaware Sea Grant	-	Christopher Petrone, Marine Advisory Service Director	302-645-4308	petrone@udel.edu

### **Federal Agencies**

Agency	Division	Торіс	Point of Contact	Phone	Email
Bureau of Safety and Environmental Enforcement	Marine Trash and Debris Program	Planning and Coordination	Tarice Taylor, Marine Ecologist	504-736-2551	tarice.taylor@bsee.gov
		Recovery Division	Kevin Sheridan, Project Manager	202-445-5061	kevin.sheridan@fema.dhs.gov
		Response and	Alicia Welch, Field Deployment Section Supervisor, Public Assistance Operations	256-283-2267	alicia.welch@fema.dhs.gov
Federal Emergency Management Agency (FEMA)	Region III	Recovery Division	Cassondra Newman, Project Manager Section Supervisor, Public Assistance Deployment Operations	202-655-8796	cassondra.newman@fema.dhs.gov
		Requests for Assistance for Capabilities	Region III Watch Center	215-931-5757	FEMA-R03-RRCC- WATCH@fema.dhs.gov
	National Marine Fisheries Service or NOAA Fisheries		General Contact	978-281-9102	-
		EFH Consultation	Jessie Murray, Marine Resource Management Specialist		jessie.murray@noaa.gov
		ESA Consultation	General Contact	978-281-9306	nmfs.gar.esa.section7@noaa.gov
		LSA COnsultation	William Barnhill, Fishery Biologist	978-282-8460	william.barnhill@noaa.gov
	National Ocean Service (NOS) Office of Response and Restoration (ORR)	Emergency Response	Spill Emergency Phone (24-hour)	206-526-4911	
National Oceanic			Frank Csulak, USCG District 5 Scientific Support Coordinator	732-371-1005	frank.csulak@noaa.gov
and Atmospheric Administration	Emergency Response Division		John Tarpley, Regional Operations Branch Chief	206-526-6338 (o) 206-459-8638 (c)	john.tarpley@noaa.gov
(NOAA)	National Ocean Service	Marine debris	Katie Morgan, Mid-Atlantic Regional Coordinator	240-215-7047	katie.morgan@noaa.gov
	(NOS) Office of Response and Restoration (ORR)	response capabilities and	Jason Rolfe, Response Coordinator	240-533-6338 (O) 301-461-3236 (C)	jason.rolfe@noaa.gov
	Marine Debris Division	coordination	Jessica Conway, Response Specialist	410-570-4375	jessica.conway@noaa.gov
	NOS, Office of Coast Survey	Navigation and Preparation Response	Ryan Wartick, Navigation and Response Team Regional Manager	571-305-0995	ryan.wartick@noaa.gov

### Federal Agencies Continued

Agency	Division	Торіс	Point of Contact	Phone	Email
Natural Resources Conservation Service (NRCS)	Emergency Watershed Protection (EWP) Program	EWP Information	Shawn Anderson, Acting EWP Program Manager	202-720-5795	shawn.anderson@wdc.usda.gov
U.S. Army Corps	Emergency Management Office	Emergency Management	James V. Monsu, Chief	215-656-6757	james.v.monsu@usace.army.mil
of Engineers (USACE)			Robert B. Eckhardt, Emergency Management Specialist	215-656-6756	robert.b.eckhardt@usace.army.mi I
Philadelphia District	Operations	Operations	Timothy J. Kelly, P.E., Deputy Chief	215-656-6721	timothy.j.kelly@usace.army.mil
District	Regulatory Program	Permitting and Compliance	Michael Yost, Biologist	267-240-5278	michael.d.yost@usace.army.mil
U.S. Coast Guard	Sector Delaware Bay	Potential to Release Oil or Hazardous Material	National Response Center (NRC)	1-800-424-8802	-
(USCG) District 5	Sector Belaware Bay		24-hr Local Emergency Line	215-271-4940	-
U.S.		Environmental Protection	Bill Steuteville	215-814-3264	steuteville.william@epa.gov
Environmental Protection	Region III	Potential to release oil or	National Response Center (NRC)	800-424-8802	-
Agency (EPA)		hazardous substance	24-hr Local Emergency Line	215-814-3255	-
U.S. Fish and Wildlife Service (USFWS)	Ecological Services Office	Delaware Bay Estuary Project	Main Line	302-653-9152	R5ES_DPEP@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