

Salvage and Marine Firefighting Core Geographic Specific Appendices							
D8 - Houston							
Donjon-SMIT, LLC							
24 HOUR PHONE: +1 703-299-0081							
REVISION: 2020-26; 1 January 2020							
1.) 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
<u>i) Assessment &amp; Survey:</u>		MAX	<u>REGULATORY REQUIREMENT</u>		<u>COMPANY AND CONTRACTED CAPABILITY</u>		
A.) Remote assessment and	N/A		1	1		R1	R1
B.) Begin assessment of structural	1		3	3		R1, S17, S6, S42	R1, S17, S6, S42
C.) On-site salvage assessment	1		6	12		RSA, PRONAV	RSA, PRONAV
D.) Assessment of structural stability	1		12	18		R1, S17, S6, S42	R1, S17, S6, S42
E.) Hull and bottom survey	2		12	18		R1 S3 S9 S43 S12	R1 S3 S9 S43 S12
<u>ii) Stabilization:</u>							
A.) Emergency towing (See towing & firefighting vessel table "33 CFR 155.4030(e)")	3		12	18		SEE BELOW TOWING VESSELS LIST	SEE BELOW TOWING VESSELS LIST
B.) Salvage plan	3		16	22		R1	R1
C.) External emergency transfer operations	3		18	24		R1 S5 S14	R1 S5 S14
D.) Emergency lightering	N/A		18	24		R1 S5 S14	R1 S5 S14
E.) Other refloating methods	3		18	24		R1	R1
F.) Making temporary repairs	3		18	24		R1	R1
G.) Diving services support	3		18	24		R1 S3 S9 S43 S12	R1 S3 S9 S43 S12
<u>iii) Specialized Salvage Operations:</u>							
A.) Special salvage operations plan	5		18	24		R1	R1
B.) Subsurface product removal	5		72	84		R1	R1
C.) Heavy Lift	N/A		ESTIMATE	ESTIMATE		R1 / 12 Days	R1 / 12 Days
2.) Marine Firefighting							
<u>i.) Assessment &amp; Planning</u>							
A.) Remote assess & consult	N/A		1	1		R1	R1
B.) On-site fire assessment	1		2	6		R1, RSA, PRONAV	R1, RSA
<u>ii.) Fire Suppression:</u>							
A.) External firefighting teams	4		4	8		R1, PRONAV	PRONAV, R1, S8
B.) External VSL firefighting systems	4		4	12		R1 S5 S8 S2 S18 S21 S23 S38	R1 S5 S8 S2 S18 S21 S23 S38

D8 - Houston KEY						
CONTRACTED - AVAILABLE		COVERED & EXPLAINED		NOT COVERED		
R xx	Primary Resource Provider	xx	Further Description Provided	DATE	GAP - Corrected soon	
S xx	Subcontractor - Private	W xx	Waiver Information Provided		GAP - No coverage anticipated	
P xx	Consent - Public Resources	APC xx	APC Information Provided			

D8 - Houston PIERS (ID'ed by City or Facility)	DESCRIPTION, IF ANY	FIREFIGHTERS RESPONDING IN 2 HOURS OR LESS	FIREFIGHTERS RESPONDING IN 4 HOURS OR LESS	WITHIN PUBLIC FIREFIGHTER JURISDICTIONAL LIMITS
Solutia, Chocolate Bayou Plant, Dock No. 2.	Receipt of methanol and paraffin; shipment of acrylonitrile and alkylates; receipt and shipment of light fuel oil and tar.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Solutia, Chocolate Bayou Plant, Dock No. 4.	Shipment of heavy-aromatic oil and pyrolytic gasoline; receipt and shipment of liquefied petroleum gas.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Port of Bay City, Petroleum Terminal Wharf.	Receipt of petroleum products; shipment of crude oil condensate.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Exxon Co. U.S.A., Baytown Refinery Pier No. 4.	Receipt and shipment of petroleum products and petrochemicals by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Exxon Co. U.S.A., Baytown Refinery Pier No. 5.	Receipt and shipment of crude oil and petroleum products, including fuel oils; receipt of ballast water.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Exxon Co. U.S.A., Baytown Refinery Pier No. 6.	Shipment of hot coker feed (asphalt); and liquid sulphur by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Exxon Co. U.S.A., Baytown Refinery Pier No. 7.	Receipt and shipment of petroleum products; receipt of naphtha, all by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Exxon Co., Baytown Refinery Pier No. 1.	Receipt and shipment of petroleum products and petrochemicals; receipt of ballast water.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Exxon Co., Baytown Refinery Pier No. 2.	Receipt of crude oil and ballast water; receipt and shipment of petroleum products, chemicals, and petrochemicals.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Lyondell Petrochemical Co., North Pier, Barge Docks Nos. 3 and 4.	Receipt of petroleum-feed stocks; receipt and shipment of petrochemicals, all by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Lyondell Petrochemical Co., South Pier Barge Docks Nos. 1 and 2.	Receipt of petroleum-feed stocks; receipt and shipment of petrochemicals, all by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
OME Corp., Houston International Terminal Wharf.	Receipt of reclaimed oil by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Specified: Fuels & Chemicals Wharf.	Receipt of chemicals and fuels; shipment of naphtha, heavy-fuel oil, and wastewater, all by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Trumbull Asphalt, Channelview Plant Slip.	Receipt of asphalt by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Aimcor Deer Park Coke Wharf.	Shipment of petroleum coke by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Intercontinental Terminals Co., Houston Barge Dock No. 4 Wharf	Receipt and shipment of miscellaneous bulk liquids by barge, including liquefied petroleum gases and petrochemicals; receipt of sulfuric acid and bunker fuel.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Intercontinental Terminals Co., Houston Barge Docks Nos. 5 and 6 Pier	Receipt and shipment of miscellaneous bulk liquids by barge, including liquefied petroleum gases and petrochemicals; receipt of bunker fuel. Transient mooring of	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A
Intercontinental Terminals Co., Houston Bunker Dock Wharf	Loading barges for bunkering vessels at berth in harbor.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV	N/A

Intercontinental Terminals Co., Houston Ship Docks No. 1 Wharf and Nos. 2 and 3 Pier.	Receipt and shipment of miscellaneous bulk liquids, including liquefied petroleum gases and petrochemicals; receipt of ballast water.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Intercontinental Terminals Co., Houston Ship Docks Nos. 7 and 8 and Barge Dock No. 9 Pier.	Receipt and shipment of miscellaneous bulk liquids including liquefied petroleum gases, petroleum products, and petrochemicals; receipt of ballast water; bunkering vessels at berths.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Paktank Corp., Deer Park Terminal, Barge Dock No. 2 Pier	Receipt of wastewater; receipt and shipment of petroleum products and chemicals; transient mooring of barges.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Paktank Corp., Deer Park Terminal, Barge Dock No. 3 Pier	Receipt of wastewater; receipt and shipment of petroleum products and chemicals; transient mooring of barges.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Paktank Corp., Deer Park Terminal, Barge Dock No. 4 Wharf	Receipt and shipment of petroleum products and caustic soda by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Paktank Corp., Deer Park Terminal, Ship Dock No. 1 and Barge Dock No. 1 Wharf	Receipt and shipment of petroleum products and petrochemicals.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Paktank Corp., Deer Park Terminal, Ship Dock No. 2 Wharf	Receipt and shipment of petroleum products and petrochemicals.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Paktank Corp., Deer Park Terminal, Ship Dock No. 3 and Barge Docks Nos. 5 and 6	Receipt and shipment of petroleum products and petrochemicals.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Shell Oil Co., Deer Park Refinery, Barge Dock Slip.	Receipt and shipment of petroleum products, petrochemicals, and chemicals by barge; loading barges for bunkering vessels at berth in harbor.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Shell Oil Co., Deer Park Refinery, Center Dock Wharf.	Receipt of crude oil; receipt and shipment of petroleum products, petrochemicals, and chemicals; bunkering vessels at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Shell Oil Co., Deer Park Refinery, Crude Oil Dock Wharf.	Receipt of crude oil; receipt and shipment of fuel oils.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Shell Oil Co., Deer Park Refinery, East Dock Wharf.	Receipt and shipment of petroleum products, petrochemicals, and chemicals; bunkering vessels at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Shell Oil Co., Deer Park Refinery, West Dock Wharf.	Receipt and shipment of petroleum products, petrochemicals, and chemicals; bunkering vessels at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Engineered Carbons, Echo Carbon-Black Plant Wharf.	Receipt of petroleum-feed stock for manufacturing carbon black, by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Buccaneer Pipeline Co., Barge Dock.	Shipment of plant condensate; mooring barges.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Dow Chemical U.S.A., Texas Operations, A-9 Dock.	Receipt and shipment of petroleum products by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Petroleum Fuel & Terminal Co., Freeport Barge Dock.	Receipt and shipment of No. 6 fuel oil.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Phillips 66 Co., Freeport Terminal Barge Dock.	Receipt and shipment of crude oil and petroleum products by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Phillips 66 Co., Freeport Terminal, Ship Dock No. 2	Receipt and shipment of crude oil and petroleum products.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Phillips 66 Co., Freeport Terminal, Ship Dock No. 3	Receipt and shipment of crude oil and petroleum products.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Seaway Crude Pipeline Co., Freeport Terminal, Berths Nos. 2 and 3.	Receipt of crude oil.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Amerada Hess Corp., Houston Terminal, Barge Dock No. 1 Wharf.	Receipt and shipment of petroleum products and coal tar, and occasionally chemicals; loading barges for bunkering vessels at berth in harbor.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Amerada Hess Corp., Houston Terminal, Barge Dock No. 2 Wharf.	Receipt and shipment of petroleum products and coal tar, and occasionally chemicals; loading barges for bunkering vessels at berth in harbor.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Amerada Hess Corp., Houston Terminal, Barge Dock No. 3 Wharf.	Receipt and shipment of petroleum products and coal tar, and occasionally crude oil and chemicals; loading barges for bunkering vessels at berth in harbor.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Amerada Hess Corp., Houston Terminal, Ship Dock No. a1 Wharf.	Receipt and shipment of petroleum products, acids, caustic soda, and occasionally other chemicals; bunkering vessels at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Amerada Hess Corp., Houston Terminal, Ship Dock No. a2 Wharf.	Receipt and shipment of petroleum products, acids, caustic soda, and occasionally other chemicals; bunkering vessels at berth; and loading barges for bunkering vessels at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Basis Petroleum, Barge Dock No. 2 Wharf.	Receipt and shipment of petroleum products by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Basis Petroleum, Ship Dock No. 1 Wharf.	Receipt of crude oil; receipt and shipment of petroleum products; mooring barges.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
GATX Terminals Corp., Galena Park Terminal, Barge Dock No. 2 Wharf.	Receipt and shipment of petroleum products, chemicals, petrochemicals, vegetable oils, and other bulk liquids by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
GATX Terminals Corp., Galena Park Terminal, Ship Dock No. 1 Wharf.	Receipt and shipment of petroleum products, chemicals, petrochemicals, vegetable oils, and other bulk liquids.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
GATX Terminals Corp., Galena Park Terminal, Ship Dock No. 2 Wharf.	Receipt and shipment of petroleum products, chemicals, petrochemicals, vegetable oils, and other bulk liquids; receipt of ballast water.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
GATX Terminals Corp., Galena Park Terminal, Ship Dock No. 3 Wharf.	Receipt and shipment of petroleum products, chemicals, petrochemicals, vegetable oils, and other bulk liquids; receipt of ballast water.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Paktank Corp., Galena Park Terminal Wharf.	Receipt and shipment of miscellaneous bulk liquids, including petroleum products, petrochemicals, and vegetable oils.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Port of Houston Authority, Woodhouse Terminal Berths Nos. 2 and 3 Wharf.	Receipt and shipment of conventional, containerized, and roll-on roll-off general cargo, and of project cargo in foreign and domestic trade; shipment of used motor oil and cutter.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Warren Petroleum Co., Warrengas Terminal, Dock No. 1 Wharf.	Receipt and shipment of liquefied petroleum gas and ethylene; receipt of natural gasoline.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Warren Petroleum Co., Warrengas Terminal, Dock No. 2 Wharf.	Receipt and shipment of liquefied petroleum gas and natural gasoline; occasional receipt of petroleum products.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Warren Petroleum Co., Warrengas Terminal, Dock No. 3 Wharf.	Receipt and shipment of liquefied petroleum gas and natural gasoline; occasional receipt of petroleum products.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Warren Petroleum Co., Warrengas Terminal, Dock No. 5 Wharf.	Receipt and shipment of liquefied petroleum gas; receipt of natural gasoline.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Warren Petroleum Co., Warrengas Terminal, Dock No. a2A Wharf.	Receipt and shipment of liquefied petroleum gas and natural gasoline.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Warren Petroleum Co., Warrengas Terminal, Dock No. a1-A Wharf.	Receipt and shipment of liquefied petroleum gas; receipt of natural gasoline.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Galveston Terminals, Pelican Island Storage Terminals Barge Dock.	Receipt and shipment of petroleum products.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Galveston Terminals, Pelican Island Storage Terminals Seabee Dock.	Receipt and shipment of petroleum products.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Port of Galveston, Navy Wharf.	Mooring vessels.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Basis Petroleum, Barge Dock No. 4. Wharf	Receipt and shipment of liquefied petroleum gas, asphalt, petroleum products, methanol, and sulfuric acid.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Basis Petroleum, Barge Dock No. 5 Wharf.	Receipt and shipment of crude oil and petroleum products.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Basis Petroleum, Traweek Dock Wharf	Receipt of crude oil; receipt and shipment of petroleum products and methanol.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Channel Refining Corp. Wharf.	Receipt of reclaimed oil and acetone; shipment of fuel oils and base oil.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Coastal Fuels Marketing, Houston Asphalt Terminal Wharf.	Receipt of asphalt by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Econo-Rail Corp., Port of Houston Bulk-Materials Handling Plant Wharf.	Shipment of various dry-bulk commodities, including potash, petroleum coke, and fertilizer, and occasionally barite and ammonium sulfate.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Halter Marine Group, Bludworth Bond Shipyard, Houston Yard, Brays Bayou Repair	Mooring barges, small vessels, and offshore drilling rig modules for repair, conversion, and construction; mooring floating drydocks.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Halter Marine Group, Bludworth Bond Shipyard, Houston Yard, Harrisburg Bend	Mooring barges, small vessels, and offshore drilling rig modules for repair, conversion, and construction; mooring floating drydocks.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Houston Fuel Oil Terminal Co., Barge Dock No. 1.	Receipt and shipment of No. 2 and No. 6 fuel oil.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Houston Fuel Oil Terminal Co., Barge Dock No. 2.	Receipt and shipment of No. 2 and No. 6 fuel oil; handling ballast water.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Houston Fuel Oil Terminal Co., Ship Dock No. 1.	Receipt of crude oil; receipt and shipment of No. 2 and No. 6 fuel oil; bunkering vessel at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A

Houston Fuel Oil Terminal Co., Ship Dock No. 2.	Receipt of crude oil; receipt and shipment of No. 2 and No. 6 fuel oil; bunkering vessel at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Lyondell-Citgo Refining Co., Houston Refinery Dock "A" Wharf.	Receipt and shipment of petroleum products and petrochemicals; receipt of crude oil, all by barge.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Lyondell-Citgo Refining Co., Houston Refinery Dock "B" Wharf.	Receipt and shipment of petrochemicals and petroleum products; receipt of crude oil.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Lyondell-Citgo Refining Co., Houston Refinery Dock "C" Wharf.	Receipt and shipment of petrochemicals and petroleum products; receipt of crude oil.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Oiltanking Houston, Barge Dock D Wharf.	Receipt of petroleum products; receipt and shipment of methanol by barge; loading barges for bunkering vessels at berth in harbor.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Oiltanking Houston, Barge Docks A and B Wharf.	Berth B: receipt and shipment of crude oil and petroleum products by barge; loading barges for bunkering vessels at berth in harbor. Berth A: transient mooring of barges.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Oiltanking Houston, Ship Dock No. 1 Wharf.	Receipt and shipment of crude oil, petroleum products, and liquefied petroleum gas; bunkering vessel at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Oiltanking Houston, Ship Dock No. 6 Wharf.	Receipt of petroleum products and liquefied petroleum gas.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A
Oiltanking Houston, Ship Docks Nos. 4 and 5 Pier.	Receipt and shipment of liquefied petroleum gas and methanol; receipt of crude oil and petroleum products; bunkering vessels at berth.	R1, S8, RSA, PRONAV	R1, S8, RSA, PRONAV		N/A

*Below calculations based on ULCC tank vessel of approximately 442,000 dwt and 339 meters in length*

<div>Donjon-SMIT, LLC - local contact</div> <div>155.4030(a) required, D8 - Houston</div> <div>LOCAL CONTACT Doug Martin</div> <div>24 HOUR PHONE</div> <div>+1 703-299-0081</div> <div>WEB LINK: www.donjon-smit.com</div> <div>REFER TO COMPANY INFORMATION ELSEWHERE IN VRP</div>		<div>D8 - Houston</div> <div>33 CFR 155.4030(g)</div> <div>Donjon-SMIT, LLC - EXTERNAL FIRE PUMPS</div> <div>Largest deck -this zone: 218,905 sq ft</div> <div>Lgst calculated qty/20 min: 70,050 gallons</div> <div>Required pumping capacity: 3,502 GPM</div> <div>Sources: R1 S5 S8 S2 S18 S21 S23 S38 S53</div> <div>Also see Rain for Rent (S5) - Standard Minimum Equipment under 33 CFR 155.4030(f) and firefighting capable tugs under 33 CFR 155.4030(e). Aerial firefighting also available via helicopter bucket and foam (S52).</div>		<div>33 CFR 155.4030(f)</div> <div>Donjon-SMIT, LLC - TRANSFER EQUIPMENT</div> <div>Largest tank -this zone: 12,680,379 gallons</div> <div>Heaviest Oil: Group IV Oil</div> <div>Required pumping capacity: 8,806 GPM</div> <div>Rain for Rent (S5) - Standard Minimum Equipment</div> <div>Available at Each Location</div>																																																																																																																																																																																																																																																																					
<div>D8 - Houston - 33 CFR 155.4030(g)</div> <div>Donjon-SMIT, LLC - EXTINGUISHING QUANTITY / TYPE</div> <div>180 gal AFFF / Temple, TX (HELO)</div> <div>10,000 Gallons AFFF / Houston, TX</div> <div>20,000 Gallons AFFF / Houston, TX</div> <div>Sources: S52, S53, National Foam - Red Alert Service 610-363-1401</div>		<div>D8 - Houston</div> <div>33 CFR 155.4030(h)</div> <div>Donjon-SMIT, LLC - SUBSURFACE EXTERNAL PUMPS</div> <div>Resources to remove cargo and fuel in waters 40 to 150 feet deep are available in this zone:</div> <div>Sources: R1</div>		<div>Type of Pump*</div> <div>DV Series Trash Pumps</div> <div>6"x4" DV-100c 834 10</div> <div>6"x6" DV-150i 1601 10</div> <div>8"x6" DV175c 1868 4</div> <div>12"x8" DV-200c 3002 4</div> <div>12"x12" DV-300i 4336 3</div> <div>14"x14" DV-350c 8004 2**</div> <div>18"x16" DV-400 10005 2**</div> <div>HH Series High Head Pumps</div> <div>3"x3" HH-80 283 2</div> <div>6"x4" HH-125c 967 2</div> <div>8"x6" HH-150 1401 1</div> <div>8"x8" HH-200i 2468 2**</div> <div>12"x8" HH-225c 3402 2**</div> <div>HD Series Hydraulic Submersible Pumps</div> <div>6" Hydra Tech 1600 1</div> <div>30"x24" HD-600 12673 1**</div> <div>Electric Submersible</div> <div>3" - 6" 200 - 867 2 Each Size</div> <div>Larger sizes at some locations</div> <div>*Hose Pipe and Accessories for above pumps will be stocked at each location</div> <div>** Available Regionally</div> <div>Additional Info on specifications can be found here:</div> <div>https://www.rainforrent.com/pump-rentals/</div>																																																																																																																																																																																																																																																																					
		<div>D8 - Houston - 33 CFR 155.4030(e)</div> <div>Donjon-SMIT, LLC - TOWING VESSELS Capable of operating in 40kt wind</div>																																																																																																																																																																																																																																																																							
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Towing and Firefighting Capable Vessels

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**Description 2: Public Firefighting Assets.** Public firefighting assets are identified for on-land firefighting assistance within their jurisdictional boundaries only. They are not planned for use as onboard firefighting assets, which would come from identified private resources.

**FOR PRIMARY PROVIDER'S SUBCONTRACTORS, SEE BELOW ATTACHED SHEET**

**REVISION: 2020-26; 1 January 2020**