

Salvage and Marine Firefighting Core Geographic Specific Appendices

D11 - San Francisco

Donjon-SMIT, LLC

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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
i) Assessment & Survey:		REGULATORY REQUIREMENT			COMPANY AND CONTRACTED CAPABILITY		
MAX							
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, S12	RSA, PRONAV, S12
D.) Assessment of structural stability	1		12	18		R1, S17, S6, S42	R1, S17, S6, S42
E.) Hull and bottom survey	2		12	18		S12 S29	S12 S29
ii) Stabilization:							
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 S1 S28 S5	R1 S1 S28 S5
D.) Emergency lightering	N/A		18	24		R1 S1 S28 S5	R1 S1 S28 S5
E.) Other refloating methods	3		18	24		R1 S12 S29	R1 S12 S29
F.) Making temporary repairs	3		18	24		R1 S12 S29	R1 S12 S29
G.) Diving services support	3		18	24		S12 S29 S3	S12 S29 S3
iii) Specialized Salvage Operations:							
A.) Special salvage operations plan	5		18	24		R1	R1
B.) Subsurface product removal	5		72	84		R1 S12	R1 S12
C.) Heavy Lift	N/A		ESTIMATE	ESTIMATE		R1 / 23 Days	R1 / 23 Days
2.) Marine Firefighting							
i.) Assessment & Planning							
A.) Remote assess & consult	N/A		1	1		R1	R1
B.) On-site fire assessment	1		2	6		RSA, PRONAV, S12	R1, RSA, S12
ii.) Fire Suppression:							
A.) External firefighting teams	4		4	8		R1, PRONAV	PRONAV, R1, S8
B.) External VSL firefighting systems	4		4	12		R1 S5 S1 S28	R1 S5 S1 S28

D11 - San Francisco 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		

D11 - San Francisco 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
Shore Terminals, Selby Marine Terminal, Tanker Wharf.	Receipt and shipment of petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
Tosco Refining Co., San Francisco Area Refinery at Avon, Tanker Wharf.	Occasional receipt of crude oil; receipt and shipment of petroleum products by tanker and barge.	RSA, PRONAV	RSA, PRONAV	N/A
Shore Terminals, Martinez Wharf.	Receipt and shipment of crude oil and petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
Tosco Refining Co., San Francisco Area Refinery at Avon, Amorco Upper Wharf.	Receipt of crude oil; shipment of petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
Tosco Refining Co., San Francisco Area Refinery at Avon, Barge Wharf.	Shipment of petroleum products by barge.	RSA, PRONAV	RSA, PRONAV	N/A
ARCO Products Co., Richmond Tanker Port of Richmond, Terminal No. 2, Upper	Receipt and occasional shipment of petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
Tosco Refining Co., Richmond Barge Wharf.	Receipt and occasional receipt of petroleum products; loading barges for bunkering vessels at berth.	RSA, PRONAV	RSA, PRONAV	N/A
Port of Richmond, Terminal No. 4 Wharf.	Receipt and shipment of liquid bulk products, including petroleum products, petrochemicals, chemicals, and vegetable oils.	RSA, PRONAV	RSA, PRONAV	N/A
ExxonMobil Corp., Benicia Refinery Wharf.	Receipt and shipment of petroleum products; receipt of crude oil.	RSA, PRONAV	RSA, PRONAV	N/A
Chevron Products Co., Richmond Long Wharf.	Receipt of crude oil; receipt and shipment of petroleum products; bunkering vessels; loading bunkering barges.	RSA, PRONAV	RSA, PRONAV	N/A
Port of San Francisco Pier No. 92.	Shipment of tallow; receipt of sand.	RSA, PRONAV	RSA, PRONAV	N/A
Pacific Gas and Electric Co., Delta Power Plant Wharf.	Occasional receipt of fuel oil by tanker; occasional shipment by barge.	RSA, PRONAV	RSA, PRONAV	N/A
Port of Stockton, Wharf No. 8.	Receipt and shipment of conventional general cargo in foreign and domestic trade; receipt of molasses and anhydrous ammonia; mooring company-owned tugboats.	RSA, PRONAV	RSA, PRONAV	N/A
Martinez Refining Co., Martinez Refinery	Receipt and shipment of crude oil and petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
IMTT-Richmond-CA, Richmond Wharf.	Receipt and shipment of petroleum products; receipt of caustic soda and paraffin wax.	RSA, PRONAV	RSA, PRONAV	N/A
Chevron Products Co., Eureka Terminal	Receipt of petroleum products by barge.	RSA, PRONAV	RSA, PRONAV	N/A

Shore Terminals, Richmond Wharf.	Receipt and shipment of petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
Tosco Refining Co., San Francisco Area Refinery at Rodeo Wharf.	Receipt and shipment of crude oil and petroleum products; occasional bunkering of vessels.	RSA, PRONAV	RSA, PRONAV	N/A
Benicia Industries, Wharf No. 95.	Receipt of automobiles and crude oil; receipt and shipment of general cargo; shipment of bagged rice, petroleum coke and petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
Tosco Refining Co., Richmond Tanker Wharf.	Receipt and shipment of petroleum products and liquid bulk products including solvents, vegetable oils, coconut oil, and caustic soda.	RSA, PRONAV	RSA, PRONAV	N/A
Castrol North America, Richmond Wharf.	Receipt and shipment of petroleum products by barge and vessel.	RSA, PRONAV	RSA, PRONAV	N/A
Koch Materials Co., Savannah Dock.	Receipt of asphalt.	RSA, PRONAV	RSA, PRONAV	N/A
ST Services, Savannah Terminal East Tank Farm Dock No. 1.	Receipt of petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
ST Services, Savannah Terminal West Tank Farm Dock No. 2.	Receipt and shipment of petroleum products.	RSA, PRONAV	RSA, PRONAV	N/A
Colonial Terminals, Savannah Plant Dock No. 3.	Receipt and shipment of petroleum products, petrochemicals, and chemicals.	RSA, PRONAV	RSA, PRONAV	N/A
Colonial Terminals, Savannah Plant Dock No. 1.	Receipt and shipment of petroleum products, petrochemicals, and chemicals; loading harbor-bunkering barges with Bunker C and marine diesel fuel.	RSA, PRONAV	RSA, PRONAV	N/A
ST Services, Brunswick Lanier Terminal, Petroleum- Products Barge Dock.	Receipt and shipment of petroleum products; bunkering vessels.	RSA, PRONAV	RSA, PRONAV	N/A
Citgo Asphalt Refining Co., Savannah Refinery Wharf.	Receipt of crude oil; shipment of petroleum products; shipment and occasional receipt of asphalt.	RSA, PRONAV	RSA, PRONAV	N/A
Georgia Power Co., McManus Electric Generating Plant Oil Dock.	Receipt of fuel oil for plant consumption.	RSA, PRONAV	RSA, PRONAV	N/A
Tosco Refining Co., Richmond Tanker Wharf.	Receipt and shipment of petroleum products and liquid bulk products including solvents, vegetable oils, coconut oil, and caustic soda.	RSA, PRONAV	RSA, PRONAV	N/A
Castrol North America, Richmond Wharf.	Receipt and shipment of petroleum products by barge and vessel.	RSA, PRONAV	RSA, PRONAV	N/A

Below calculations based on ULCC tank vessel of approximately 442,000 dwt and 339 meters in length									
Donjon-SMIT, LLC - local contact 155.4030(a) required, D11 - San Francisco LOCAL CONTACT John Travers (Donjon)		D11 - San Francisco 33 CFR 155.4030(g) Donjon-SMIT, LLC - EXTERNAL FIRE PUMPS		33 CFR 155.4030(f) Donjon-SMIT, LLC - TRANSFER EQUIPMENT					
24 HOUR PHONE +1 703-299-0081		Largest deck -this zone: 218,905 sq ft Lgst calculated qty/20 min: 70,050 gallons Required pumping capacity 3,502 GPM		Largest tank -this zone: 12,680,379 gallons Heaviest Oil Group IV Oil					
WEB LINK: www.donjon-smit.com REFER TO COMPANY INFORMATION ELSEWHERE IN VRP		Sources: R1 S5 S1 S28 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).		Required pumping capacity: 8,806 GPM Rain for Rent (S5) - Standard Minimum Equipment					
D11 - San Francisco - 33 CFR 155.4030(g) Donjon-SMIT, LLC - EXTINGUISHING QUANTITY / TYPE 10,000 gallons AR-AFFF / Los Angeles, CA 20,000 gals AFFF / Rancho Cucamonga, CA (3) 180 gal AFFF / Los Angeles, Costa Mesa, and El Cajon, CA (HELO) 330 gal Novacool .4% / Richmond, CA 1100 gallons AFFF 3% - Alameda, CA Source: National Foam; Red Alert Service 610-363-1401; S53, S52, R1, S45		D11 - San Francisco 33 CFR 155.4030(h) Donjon-SMIT, LLC - SUBSURFACE EXTERNAL PUMPS Resources to remove cargo and fuel in waters 40 to 150 feet deep are available in this zone: Sources: R1 S12		Available at Each Location					
Towing and Firefighting Capable Vessels		D11 - San Francisco - 33 CFR 155.4030(e) Donjon-SMIT, LLC - TOWING VESSELS Capable of operating in 40kt wind		Type of Pump* DV Series Trash Pumps		Water Flow Rate (GPM)	Quantity		
				6"x4" DV-100c		834	10		
				6"x6" DV-150i		1601	10		
				8"x6" DV175c		1868	4		
				12"x8" DV-200c		3002	4		
				12"x12" DV-300i		4336	3		
				14"x14" DV-350c		8004	2**		
				18"x16" DV-400		10005	2**		
				HH Series High Head Pumps					
				3"x3" HH-80		283	2		
				6"x4" HH-125c		967	2		
				8"x6" HH-150		1401	1		
				8"x8" HH-200i		2468	2**		
				12"x8" HH-225c		3402	2**		
				HD Series Hydraulic Submersible Pumps					
				6" Hydra Tech		1600	1		
				30"x24" HD-600		12673	1**		
				Electric Submersible					
				3" - 6"		200 - 867	2 Each Size		
				Larger sizes at some locations					
				*Hose Pipe and Accessories for above pumps will be stocked at each location					
				** Available Regionally					
				Additional Info on specifications can be found here: https://www.rainforrent.com/pump-rentals/					
				R1, S14, S47					
				Quantity		Type of Pump*	Oil Flow Rate (GPM)	Location(s)	
				2		6" DESMI	500	Hillside, NJ Hillside, NJ; Linwood, PA; Alameda, CA; Palmas Ward, PR	
				5		TK150	1321		
11		HSP17/16 6 inch	1277	Houston, TX; Singapore					
14		HSP12 3 inch	705	Houston, TX; Singapore					
2		TK80	308	Ingleside, IX; Bayonne, NJ					
2		LN150	660	Morgan City, LA; Terminal Island, CA					
2		4" DESMI DOP 160	132	Singapore					
2		HSP4 6 inch	1277	Singapore					

<p>Description 1: Heavy Lift Assets. Heavy lift assets owned by Donjon-SMIT are located in Newark, NJ and are routinely on jobs throughout the East Coast and Gulf States. In the event of a heavylift requirement, these assets would be mobilized from their current location. If closer assets owned by a third party were available, they would be contracted but for planning purposes, these asset are identified. Chesapeake 1000: 1000 ton derrick barge; Columbia: 750 ton fully revolving crane barge; Ferrel 256: 250 ton fully revolving crane. Times listed on the heavy lift row are approximate mob times but will vary considerably. Times listed on the heavy lift row are approximate mob times but will vary considerably.</p>
<p>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.</p>
