

OIC - NW: COMPETENCE 12

Ensure Compliance with Pollution Prevention Requirements

1	Emissions over open seas are spread out and effects moderate, but on certain routes the emissions create environmental problems, including the following areas such as:			
	English Channel, South China Sea, Strait of Malacca.	English Channel, Strait of Malacca.	GOA, Indian Sea and Strait of Malacca	Panama, Suez canal and China sea
2	Annex IV of Marpol, deals with sewage. How does it affect shipboard operations concerning processing and treatment of sewage?			
	Only a collecting tank is required for all countries for the time being	It is required by the United States only and an approved sewage plant must be installed on board	Discharge is for the time being allowed anywhere as long a sewage plant is on board	All vessels must have a sewage system which is approved by the Flag Administration.
3	As per Regulation 20 of Annex I of Marpol 73/78, Oil Record Book shall be provided to oil tanker of:			
	150 GT	100 GRT	120 GRT	300 GRT
4	A tank specifically used for the collection of tank draining, tank washing and other oily mixture is called:			
	Slop tank	Ballast tank	cofferdam	void space
5	By reporting an oil spill to the authorities immediately, you will be:			
	fined \$ 10,000	safe from the criminal prosecution	put in jail for one year	not able to leave the ship
6	Each operation as specified in the Regulation shall be duly noted in the Oil Record Book without delay and:			
	The entries match operations completed after which is signed by the Master	Will be signed by the Officer or OIC of the operation and each completed page will be signed by the Master	Will be signed by the Chief Engineer of the operation and each completed page will be signed by the Master	The entries match operations completed after which is signed by the CSO

7	How many bolts are required in a temporarily connected standard ANSI (American National Standards Institute) coupling?			
	8	2	6	4
8	In recording in the Oil Record Book of your ship as to Accidental Discharge or escape of oil from your ship, the approximate quantity and type of oil is to be entered. Quantity should be expressly expressed. Which of the following terms is not acceptable?			
	Liters	Gallons	tons	None of the above
9	Spills of persistent oils with greater than 1.0 specific gravity:			
	do not readily evaporate and are difficult to recover	should be easily dispersed with dispersants	easy to recover	None of the above
10	The pre-wash procedure for ships carrying non-solidifying substances which have a viscosity equal to or greater than 25 hPa at 20 degrees Celsius in hot water wash of at least:			
	60 deg C	80 deg C	100 deg C	120 deg C
11	A shipboard oil pollution emergency plan (SOPEP) is required to which of the following?			
	an oil tanker of 400 gross tons and above, or other ships of 150 gross tons and above	all vessels, regardless of size and commercial application	any barge or other ship which is constructed or operated in such a manner that no oil in any form can be carried aboard	an oil tanker of 150 gross tons or above, or other ship of 400 gross tons or above
12	According to Pollution Prevention Regulations (33 CFR), when may a person serve as the person-in-charge of both a vessel and a facility during oil transfer operations?			
	When licensed as a certified refueling officer	Whenever the vessel is short of manpower	Whenever the facility is unmanned	When authorized by the Captain of the Port
13	After survey in accordance with Regulation 4 of Annex I of MARPOL 73/78 to any tanker of and IOPP should be issued.			
	150 GRT or more	400 GRT or more	Ro-Ro vessel	fishing vessel

14	Annex I of MARPOL 73/78 was enforced on which date?			
	October 02, 1983	April 6, 1987	March 3, 1983	May 6, 1987
15	As per Regulation 4 of Annex I, IOPP shall be issued after survey to any oil tanker of or more.			
	300 GRT	150 GRT	400 GRT	500 GRT
16	Existing oil tankers satisfying the requirements for COW should only be designated to:			
	crude oil tanker	product tanker	VLCC	ULCC
17	Fueling results in the collection of waste oil in drip pans and containers. Which is an approved method of disposing of the waste oil?			
	Draining it overboard when the vessel gets underway	Mixing it with dispersants before draining it overboard	Adding sinking agents and discharging it into the water	Placing it in proper disposal facilities
18	How is the Master or operator of a vessel required to keep the crew informed of the regulations concerning the discharging of garbage overboard?			
	Give each crewmember a copy of ANNEX V of MARPOL.	Call an all hands meeting before sailing.	Have each person read and sign a copy of the regulations.	Keep placards prominently posted.
19	International Oil Pollution Prevention certificate on a vessel is valid for a period of:			
	two years from the date of issue	three years from the date of issue	five years from the date of issue	one year from the date of issue
20	Oil Pollution Regulations (33 CFR) require any transfer or discharge of oil or oily mixtures to be recorded in the:			
	bridge log	Master's log	engine room log	oil record book
21	The most common type of containment device for spilled oil on the water is the use of:			
	straw	booms	skimmers	chemical dispersants

22	A sewage system shall be fitted with facilities to the satisfaction and approved by the Administration, for the temporary storage of sewage when the ship is less than 3 nautical miles from the nearest land. What do you call this system?			
	disinfecting system	treatment plant	storage system	comminuting and disinfecting system
23	A vessel which is required to carry an Oil Record Book must log in the book:			
	discharge of ballast or cleaning water from fuel tanks	sounding levels of all fuel tanks on a daily basis	the grade and specific gravity of all fuel oil carried	fuel consumption rates on a weekly basis
24	According to Annex II of MARPOL 73/78, Liquid Substance are those having a temperature of:			
	37.8 degrees Centigrade	36.4 degrees Centigrade	37.6 degrees centigrade	38.4degrees centigrade
25	After making the required notification that a large oil spill into the water has occurred, the FIRST action should be to:			
	apply straw or sawdust on the oil	contain the spread of the oil	throw grains of sand into the oil	have the vessel move out of the spill area
26	An IOPP Certificate on an inspected vessel is valid for what period of time?			
	18 months	6 months	12 months	5 years
27	An oil mixture is defined by Regulation 1 para. 2 of Marpol 73/78 as mixture:			
	with any oil content	fuel oil mixture used by the main engines and other machineries of a ship	oil and water	bilge water and sludge
28	Annex VI prescribed regulation for capping of _____ in bunker fuels and limit the emission of _____, an ozone depleting substances and volatile organic compounds.			
	sulfur; nitrogen oxide	sludge; Generator	sulfur; carbon dioxide	sludge; Incinerator
29	Each pressure gauge used in an oil transfer operation must be accurate to within:			
	1 percent	3 percent	5 percent	10 percent

30	For the purpose of MARPOL Annex III, "harmful substances" are those substances which are identified as _____ in the IMDG Code.			
	Toxic substances	Marine pollutants	non-toxic	Slightly toxic
31	Heavy fuel oils when spilled are:			
	more harmful to sea life than lighter oils	easier to clean up than lighter refined oils	less harmful to sea life than lighter oils	not a real threat to marine life
32	If you must swim through an oil fire, you should NOT:			
	wear as much clothing as possible	enter the water feet first	swim with the wind	cover eyes with one hand when entering the water
33	In cleaning up an oil spill, straw is an example of a:			
	chemical agent	blocker	sorbent	None of the above
34	The Oil Record Book is required to be carried on board by:			
	all vessels exceeding 150 GRT and using fuel oil	passenger vessels	fishing vessel	50 GRT
35	When bunkering operations are completed, the hoses should be:			
	Cleaned internally with a degreaser	Washed out with hot soapy water	Drained, blanked off and stored securely	Stowed vertically and allowed to drain
36	A method NOT usually allowed in cleaning up oil spills in the US waters is:			
	Sawdust	dispersant	skimmers	straw
37	A noxious liquid substance which, if discharged into the sea from tank cleaning or deballasting operations, are deemed to present a minor hazard to either marine resources or human health. What is this category?			
	Category Y	Category A	Category X	Category Z

38	A ship of 400 gross tonnage or more than an oil tanker may discharge oily machinery space bilge provided she is enroute, more than 12 miles from shore and has in operation a/an:			
	oil discharge monitoring and control equipment and oily- water separator	COW facility	anode protection equipment	cathode protection equipment
39	A dry cargo vessel is required to record in the Oil Record Book of the ship the discharge of dirty ballast or cleaning water from fuel oil tanks. Three of the following is essential and must be recorded. Which one is not?			
	the distance of the ship from the nearest land if not more than 50 miles	method of discharge (whether separator was used)	the distance of the ship from the nearest land if not less than 100 miles	the distance of the ship from the nearest land if not less than 50 miles
40	A source of potential harm or damage or a situation with a potential for harm or damage is called:			
	Hazard	Incident	accident	any of these options
41	As per MARPOL 73/78, what is the difference between SBT-system and CBT-system?			
	CBT-system can utilize cargo pumps/lines for ballast handling	SBT-system can utilize cargo pumps/lines for ballast handling	GBT-system can utilize cargo pumps/lines for ballast handling	SSBT-system can utilize cargo pumps/lines for ballast handling
42	As per Regulation 4 of Annex I, initial survey, periodical survey and a minimum of one intermediate survey are required to any oil tanker of _____ or more.			
	150 GRT	75 GRT	300 GRT	100 GRT
43	During oil transfer operations, who is responsible for ensuring that the posted transfer procedures are followed?			
	The designated person in charge	The tankerman	The senior able seaman	The oiler

44	During transfer operations, ethyl chloride spills into the water. According to the Chemical Data Guide, the ethyl chloride will boil off if the water temperature is above:			
	46deg. F	54deg. F	60deg. F	68deg. F
45	A noxious liquid substance which is not a solidifying substance is:			
	solidifying substance	Liquefying substance	Non-solidifying substance	flammable substance
46	A number of dangerous substances in various IMDG Code classes have been identified as a substance harmful to the:			
	living animals	marine environment	plants	humans
47	A oil tanker may not discharge an oily mixture into the sea from a cargo tank, slop tank, or cargo pump room bilge unless which of the following conditions is present?			
	more than 12 nautical miles from the nearest land	is within "Special Areas" defined in Regulation 1(10) of Annex I to MARPOL 73/78	at anchor or stopped	discharging at an instantaneous rate of oil content not exceeding 30 liters per nautical mile
48	A solidifying noxious substance with a melting point of less than 15 degrees Centigrade and a temperature of above its melting point at the time of unloading.			
	not less than 5 degrees Centigrade	not more than 5 degrees Centigrade	not less than 3 degrees Centigrade	not more than 3 degrees Centigrade
49	A vessel required to carry an Oil Record Book must maintain the book on board for:			
	one year	two years	three years	four years
50	According to 33 CFR's, an oceangoing ship of over 400 gross tons must be fitted with a standard discharge shore connection. What size bolt circle diameter is required for this shore connection to transfer oily ballast to a shore side reception facility?			
	125 mm	183 mm	215 mm	250 mm
51	According to Marpol, what is the meaning of the term "Oily Mixture"?			
	a mixture with Oil content above 100 ppm	a mixture with Oil content above 15 ppm	a mixture with Oil content above 50 ppm	a mixture with any oil content

52	According to the U.S. regulations, what must be agreed upon by the person-in-charge of transfer operations, both ashore and on the vessel?			
	the size of the slop tank required under 155.330	the status of the oily water separator	whether or not the transferring ship is a "Public Vessel of the United States"	the identity of the product to be transferred
53	After an IOPP Certificate is issued to an inspected vessel, how many other surveys of the vessel's pollution prevention equipment are conducted during the period of validity of the certificate?			
	Two	None	One	Three
54	After survey in accordance with Regulation 4 of Annex I of MARPOL 73/78 to any cargo ship of _____ and IOPP should be issued:			
	400 GRT or more	300 GRT or more	500 GRT or more	fishing vessel
55	An individual must be which of the following to serve as the person in charge of oil cargo transfer operations onboard a self-propelled tank vessel?			
	have a letter from the company stating his qualification	be licensed only	be 30 years old	be a certified tankerman (PIC)
56	An IOPP shall be issued after survey in accordance with Regulation 4 of Annex I of Marpol 73/78 to any tanker of _____ or more.			
	150 GRT	100 GRT	200 GRT	250 GRT
57	An oil tanker must have an NLS Certificate when carrying:			
	noxious substance in bulk	hazardous liquid substance	Dangerous Cargo substances	Ballasting Operation
58	An oil water monitor is required in order to measure:			
	the oil content in water	the water content in fuel oil	the water content in lube oil	the water content in oil
59	Animal and vegetable oils under Marpol 73/78 fall under the category of which of the following?			
	oil	noxious liquid substance	Garbage	sewage

60	Annex I of MARPOL defines NEAREST LAND as from the _____ from which the territorial sea of the territory in question is established in accordance with international law.			
	High water mark	Baseline	Freeboard	draft
61	Annex II of Marpol 73/78 applies to regulations for the:			
	prevention of pollution by harmful substance	control of pollution by noxious liquid substances	prevention of pollution by oil	prevention of pollution by sewage
62	Annex V to MARPOL 73/78 contains requirements pertaining to the discharge into the marine environment of:			
	None of the above	noxious liquid substances	oil	garbage
63	Any release of substances subject to control by Annex VI from ship into the atmosphere or sea is called:			
	emission	incineration	SOX	sulfur content
64	As provided in international laws, what do you call the accidental introduction of a substance by ships to estuaries which result as harm to living resources or hazard to human health?			
	Pollution	Disposal	Dumping	Sewage
65	As per Regulation 20 of Annex I of Marpol 73/78, Oil Record Book shall be provided to any ship other than oil tanker of:			
	400 GRT	150 GRT	350 GRT	450 GRT
66	As per Regulation 26 of Annex I of Marpol 73/78, SOPEP shall be carried to every oil tanker of _____ or more.			
	400 GRT	150 GRT	300 GRT	350 GRT
67	As per Regulation 26, Annex I of Marpol 73/78, SOPEP shall be carried to every ship other than oil tanker of _____ or more.			
	300 GRT	400 GRT	350 GRT	450 GRT

68	During loading operations of your vessel, some gasoline spilled overboard is causing a sheen in water all around your vessel and the berth. How should the spill be dealt with while you are on watch?			
	ignore it since gasoline evaporates quickly	prevent the spread of the gasoline	ignore it, gasoline will float at sea	none of the above
69	During transfer operations, a quantity of propylamine spills on deck. According to the Chemical Data Guide, the correct procedure would be to:			
	immediately flush the spill with large quantities of fresh water	cover the contaminated surface with soda-ash-soaked lime solution	add sodium bisulfate on the contaminated surface and spray it down with water	move to a position upwind of the spill and allow the product to boil off
70	Emulsification of oil will occur when mixed with:			
	water	gasoline	crude	Petroleum
71	For how long time must the printout from the Oil Discharge Monitoring Equipment (ODME) be retained onboard?			
	3 years	5 years	4 years	2 years
72	For the purpose of determining the capacity of CBT, which of the following tanks is allowed under MARPOL?			
	Segregated ballast tanks	Cargo tanks after washing	clear ballast	oily water
73	Harmful substances shall be properly stowed and secured so as to _____ without impairing the safety of the ship and persons on board.			
	Prevent the possibility of cargo shifting	Minimize the hazard to the marine environment	Minimize the hazard of cargo handling	none of the above
74	Hoses used for cargo transfer operations must be tested and inspected at specified intervals by:			
	a representative of the National Cargo Bureau	a representative of the Captain of the Port	a representative of the American Bureau of Shipping	the operator of the vessel or facility
75	How long shall the operator of a vessel employed in the transferring of oil to other vessels keep the Declaration of Inspection of those transfers?			
	1 week from date of signature	2 weeks from date of signature	1 month from date of signature	6 months from date of signature

76	If Annex V to MARPOL 73/78 applies to your vessel, which of the following cannot be discharged anywhere at sea?			
	paper	metal	glass	plastic
77	If you use chemicals for cleaning up an oil-spill on the water, what would the chemicals do?			
	disperse or dissolve the oil into the water	absorb the oil for easy removal	remove the oil from the water	contain the oil within a small area
78	In Marpol 73/78, a tank used for the collection and storage of sewage of the ship is called:			
79	In Marpol Annex II, what is soluble with water in all proportions at washwater temperatures?			
	miscible	solidifying	aqueous	liquefying
80	In the event of a small bunker oil spill on deck occurring while fueling, you should:			
	wash down the area immediately with a fire hose	cover the area with absorbent material	put a chemical on the oil spill point	leave it, it is just small leakage
81	It is defined as the deliberate disposal at sea of waste or other matter from vessels, aircrafts, platforms or other man-made structures:			
	pollution	dumping	jettisoning	all of these choices
82	MARPOL defines _____ as a ship constructed or adapted primarily to carry a cargo of noxious substances in bulk.			
	Chemical tanker	NLS tanker	Either A or B	Neither A nor B
83	Slop tank is specially designated for the collection of:			
	All of these	tank draining	cow excess	tank excess
84	The most frequent incidents of tanker pollution during tanker operations is:			
	due to collisions	loading and discharging	oil spill	human error

85	The Oil Record Book must be maintained on board the vessel for:			
	an annual inspection	not less than 3 years after the last entry	5 years	4 years
86	The term "oily mixture", as defined in the Pollution Prevention Regulations (33 CFR) includes:			
	sludge	oily ballast water	bilge slops	all of the above
87	The use of sinking and dispersing agents for removal of surface oil is:			
	generally harmful to sea life	too expensive for common use	generally harmful to environment	limited only to use
88	Which method of oil clean up is NOT usually allowed?			
	Using skimmers	Using sinking agents	use of saw dusts	Use of non sparking materials such as plastic shovels

Seamankow's Ship