

# GÜZELENERJİ ALİAĞA FUEL TERMINAL DANGEROUS GOODS HANDLING GUIDE



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(See Revision Page for Revisions)

TUNA AKSOYLU

(FACILITY AUTHORITY)

# SIGNATURE

SEAL

# **REVISION PAGE**

Desk No.	Revision No.	Revision Content	Revision Date	Revision by the doer	
				First Name	signature
1	1	Revision was made due to logo change		T.AKSOYLU	
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# ABBREVIATIONS

# ASTM

American Society for Testing and Materials (ASTM International, 100 Barr Harbor Drive, PO BoxC700, West Conshohocken, PA, 19428-2959, USA)

# CGA

Compressed Gas Association (CGA, 14501 George Carter Way, Suite 103, Chantilly, VA 20151, USA)

## ccc

IMO Cargo and Container Transport Subcommittee

#### CSC

International Convention on Safe Containers, as amended, 1972

## DSC

IMO Dangerous Goods, Solid Cargoes and Containers Subcommittee

# ECOSOC

Economic and Social Council (UN)

# emS

EmS Guide: Revised Emergency Response Procedures for Ships Carrying Dangerous Goods **EN (standard)** 

European standard published by the European Committee for Standardization (CEN, AvenueMarnix 36,B-1050 Brussels, Belgium)

# FAO

Food and Agriculture Organization (FAO, Viale delle Terme di Caracalla, 00100 Rome, Italy)

# **HNS Convention**

International Convention on Liability and Indemnity for Damage Related to the Carriage of Dangerousand Harmful Substances (IMO)

## IAEA

International Atomic Energy Agency (IAEA), (IAEA, PO Box 100 - A - 1400 Vienna, Austria) ICAO

# ICAU

International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

# IEC

International Electrotechnical Commission (IEC, 3 rue de Varembe, PO Box 131, CH-1211 Geneva 20, Switzerland)

# ILO

International Labor Organization/Office (ILO, 4 route des Morillons, CH-1211 Geneva 22, Switzerland)

# IMGS

International Medical Guide for Ships

# IMO

International Maritime Organization (IMO, 4 Albert Embankment, London SE1 7SR, United Kingdom)

# IMDG Code

International Code for Dangerous Goods Transported by Sea

#### **IMSBC Code**

International Maritime Solid Bulk Cargo Code

International Code for Solid Bulk Cargo Transported by Sea

# **INF Code**

International Code for the Safe Carriage of Packaged Radiated Nuclear Fuel, Plutonium and High LevelRadioactive Wastes on Ships

# ABBREVIATIONS

# ISO (standard)

An international standard published by the International Organization for Standardization (ISO, 1, ch dela Voie-Creuse, CH-1211 Geneva 20, Switzerland)

# MARPOL

International Convention for the Prevention of Pollution of the Seas by Ships, 1973, as amended by therelevant 1978 and 1997 protocols

# MAWP

Maximum allowable working pressure

# MEPC

Marine Environment Protection Committee (IMO)

# MFAG

Medical First Aid Guide for Use in Accidents Containing Hazardous Substances

# MSC

Maritime Safety Committee (IMO)

# BBB

not otherwise specified

# SADT

self-accelerating decomposition temperature

# SAPT

Self-accelerating polymerization temperature

# SOLAS

International Convention for the Safety of Life at Sea, 1974, as amended,

# UNECE

United Nations Economic Commission for Europe (UNECE, Palaisdes Nations, 8-14 avenue de la Paix,CH-1211 Geneva 10, Switzerland)

# **UN number**

Frequently transported hazardous and harmful substances, materials, and items are assigned a four-digitUnited Nations Number.

# UNEP

United Nations Environment Program (United Nations Avenue, Gigiri, PO Box 30552, 00100, Nairobi,Kenya)

# UNESCO/IOC

UN Educational, Scientific and Cultural Organization/Intergovernmental Oceanographic Commission(UNESCO/IOC, 1 rue MioIlis, 75732 Paris Cedex 15, France)

# WHO

World Health Organization (Avenue Appia 20, CH-1211 Geneva 27, Switzerland)

# WMO

World Meteorological Organization (WMO, 7bis, avenue de la Paix, Case postale No 2300, CH-1211Geneva 2, Switzerland)

# TΥ

Dangerous Cargo

a) Buyer: Real and legal persons who will take delivery of the dangerous cargo in accordance with the transportation contract,

b) Packaging: The transport container in which the dangerous cargo is placed, as defined in IMDG CodeChapter 6,

c) Packing (packaging) Group: It means a group to which certain substances are assigned according to their degree of danger for packaging purposes. There are 3 types of packaging groups.

d) Packer: Natural and legal persons who place dangerous goods in large packaging containers and make the packages ready for transport when necessary, package dangerous goods or change the packages and labels of these goods, label them for transportation, carry out these operations with the instructions of thesender or his or her de facto land and shore facility personnel performing the operation,

e) Ministry: The Ministry of Transport and Infrastructure,

f) Unloader: Unloading dangerous cargo container, multi-element gas container, tank-container, portabletank from a vehicle; Unloading packed Dangerous goods, small containers and portable tanks from a vehicle or container; An enterprise that unloads dangerous goods from a tank (tank, demountable tank,portable tank or tank-container), a battery-vehicle, MEMU or multi-element gas container, a vehicle or abulk container"

g) Handling: Loading the cargo on ships without changing its essential qualities, discharging from ships, relocating, stacking, separating, degassing and/or cleaning in the cargo transport unit and similar operations for transportation,

h) Handler: Real and legal persons who carry out the handling operation,

i) Fumigation: The process of giving a certain amount of fumigant acting in gaseous form to a closed environment at a certain temperature in order to destroy harmful organisms and keeping it in the environment for a certain period of time,

j) Gas measurement: Determining the gases and required amounts determined by the Administration within the scope of the relevant regulation in cargo transport units and/or closed areas by authorized institutions and persons using special devices and apparatus,

k) Degassing: Works and processes performed with active or passive ventilation, in case it is determined that the cargo transport units, which are within the scope of fumigation and not within the scope of fumigation, but contain gases that may be harmful to life, property and the environment, are above the values in the relevant directive as a result of the risk assessment,

1) Ship: Any boat capable of navigating at sea with an instrument other than an oar, regardless of its name,tonnage and intended use,

m) Ship-related: Owner, operator, charterer, master or agents and natural or legal persons authorized torepresent the ship,

n) Sender: Natural and legal persons who send dangerous goods on their own behalf or on behalf of a thirdparty, or who are specified as the sender in the carriage contract,

o) Safety Data Sheet (GFB): A document containing detailed information on the characteristics of dangerous goods, the safety measures to be taken in the facilities where they are located, the necessaryinformation on the protection of human health and the environment from the negative effects of dangerouscargoes,

p) IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk,

q) IGC Code: International Code on the Construction and Equipment of Ships Carrying Bulk LiquefiedGases,

r) IMDG Code: Safe way of shipping and shipment of dangerous goods by sea.

It is an internationally accepted guide for

s) IMO: International Maritime Organization,

t) IMSBC Code: International Maritime Solid Bulk Cargoes Code,

- u) ISPS Code: International Ship and Port Facility Security Code,
- v) Administration: General Directorate of Maritime Affairs,

w) Captain: Person who directs and manages the ship,

x) Shore facility: A port, quay, pier, berth, fuel oil, liquefied gas or chemical pipeline buoy or platform, including storage areas, where ships or marine vehicles can safely take their cargo or take shelter,

y) Person in charge of the coastal facility: Real persons or legal entities operating the coastal facilities by obtaining permission from the Administration, and the managers and responsible of the coastal facilities,

z) Container: A cargo transport unit that has a certificate in compliance with the applicable standards within the scope of the International Convention for Safe Containers (CSC Convention), plant, dolfen, fuel oil orliquefied gas pipeline buoy or platform,

aa) MARPOL 73/78: International Convention for the Prevention of Pollution of the Seas by Ships,

bb) Final consignee: The buyer who physically receives the cargo unloaded from the ship at the coastalfacility, or the client in case the receiver of the cargo physically acts as a proxy on behalf of another real/legal person during the purchase, or the consignee specified in the transport contract if the transport iscarried out under a contract of carriage.

cc) Packing & Packaging: A receptacle or multiple receptacles means the materials or other components required for the receptacles to perform containment and other safety functions

dd) Hot work: done by persons certified by the relevant authority; the use of open fires and flames, powertools or hot rivets, grinding, soldering, burning, cutting, welding, or any work involving heat or generating sparks,

ee) Classification: It is the distinction made by the International Maritime Organization, taking into account the chemical properties of dangerous goods.

ff) SOLAS: International Convention for the Safety of Life at Sea dated 1974,

gg) Carrier: Actual carrier, broker, ship owner, freight forwarder, freight forwarder, shipping agent, whoreceives, submits, and accepts offers for the transportation of all kinds of dangerous goods on his own behalf or on behalf of third parties. Natural and legal persons who carry out the transportation by road orrailway with or without a contract,

hh) Danger Label: It defines the label containing letters, numbers and figures expressing the characteristics such as class, danger level and content of the loads in the packages used in the transportation of dangerous goods.

ii) Danger Sign: It is the sign that must be kept on the container for the purpose of informing according to the nature of the dangerous cargo in the container.

jj) Hazardous waste: Reprocessing, throwing into garbage, incineration or otherwise disposal of the cargoor dangerous cargo or the packaging and cargo transport units carrying dangerous goods, which are classified as specified in the Basel Convention and whose transport class and conditions are determined within the scope of SOLAS. parts, solutions, mixtures and used packaging and cargo transport units,

kk) Dangerous cargo:

1. International Convention for the Prevention of Pollution of the Seas by

Ships (MARPOL) 73/78 Annex I, Annex 1, petroleum and petroleum

products,

2. Packaged goods and objects given in Part 3 of the IMDG Code,

3. Among the cargoes given in IMSBC Code Attachment 1, the bulk cargoes with "B" and "A and B"inscriptions in the group box in the characteristic table,

4. Liquid substances with the phrase "S" or "S/P" in the "d" column titled "hazards" of the table given inChapter 17 of the IBC Code,

5. Gaseous substances given in Chapter 19 of the IGC Code,

II) TMGD: Dangerous goods safety consultants authorized by the Ministry,

mm) TYUB: Coastal Facility Dangerous Goods Conformity Certificate, which is issued by the Administration and must be obtained by the coastal facilities that handle packaged or bulk dangerous goods,

nn) UN number: The four-digit identification number of dangerous goods or parts taken from the UnitedNations sample regulations,

oo) Transport Electronic Transport Document System (U-ETES): The system in which the data determined by the Ministry regarding the activities of real and legal persons operating in accordance with this Regulation are kept and can/can be open to data sharing with relevant public institutions and organizationswhen necessary,

pp) New coastal facility: "Operation to Coastal Facilities" published in the Official Gazette No. 26438dated 18/2/2017

Within the scope of the "Regulation on Procedures and Principles Regarding Granting Permits", the coastal facility operation permit / coastal facility that has not received a temporary operation permit

qq) Regulation: Regulation on the Transport of Dangerous Goods by Sea, published in the Official Gazettedated 03.03.2015 and numbered 29284,

rr) Loader: Loads dangerous cargoes and cargoes that pose a danger in terms of loading safety to the shipor sea vehicle, vehicle or cargo transport unit in accordance with the instructions of the sender, labels and plates the cargo transport unit, handles and stacks the cargoes including the dangerous cargoes in the shipor cargo transport unit, natural or legal persons who vacated,

ss) Loading safety: Safe tying and stacking of the cargo transport unit or cargo loaded into the ship's holdor on the ship's deck, and the safe fastening and stacking of the loads to be loaded into the cargo transportunit,

tt) Shipper: The real or legal person specified as the "shipper" in the bill of lading, maritime transport document or multimodal transport document, and the real or legal person on whose behalf or on behalf of a maritime transport contract has been concluded,

uu) Person in charge of cargo: The sender, receiver, representative or organizer of transportation works of the dangerous cargo,

vv) Cargo transport unit (CTU): It is designed and produced for the transport of packaged or bulk dangerous goods; refers to road trailer, semi-trailer and tanker, portable tank and multi-element gas container, railway car and tank wagon, container and tank container.

## 1. INTRODUCTION

The entry and possession of dangerous goods in the coastal facility, the subsequent handling, the generalsafety and protection of the area, the protection of the cargo, the safety of everyone at or near the coastalfacility and the protection of the environment should be controlled.

Life safety at sea is also related to the safety and protection of a ship, its cargoes and crew at the coastalfacility, and the precautions taken regarding dangerous cargoes before they are directly loaded/discharged and during handling.

The recommendations in this guide are limited to dangerous goods in the port area as part of the transport chain. The recommendations in this guide do not apply to dangerous goods that are generally kept in the port area or used in the port area, but the Administration may wish to check whether the saiduse and storage procedures comply with legal national requirements.

An important prerequisite for the safe transportation and loading of dangerous goods is the proper identification, protection, packaging, packaging, securing, marking, labeling, placarding and documentation of these cargoes. This will apply regardless of whether the transactions take place at theonshore facility or at facilities away from the onshore facility.

Although land, port and sea elements are included in the general transport chain, it is very important that persons responsible for the matters specified in 1.4 take all kinds of precautions and that all relevant information is given to the persons involved in the transport chain, also on the final consignment.

Consideration should be given to the possible different requirements for different modes of transport.

The safe transportation and loading of dangerous goods is based on the correct and precise application of the regulations for the transportation and loading of such cargoes, and depends on the judgment of everyone who knows the regulations fully and in detail and is aware of the current risks related to these issues. This can only be achieved by properly planned and conducted training and retraining of the persons concerned.

Laws, regulations and related publications are under constant review and are regularly revised. It is veryimportant to use only current versions. The contents of these Laws, regulations and related publications are reproduced in the recommendations in this guide only to the extent necessary.

# 1.1 General information about the facility is given in the Facility Information Form below.

	Facility Information Form				
1	Facility Operator Name/Title	Tuna AKSOYLU / Facility Authority			
2	Facility Of The Operator Contact Information (Address, Telephone, Fax, E-Mail And The Web Page)	GüzelEnerji Akaryakıt A.Ş. / Atatürk Neighbourhood, Karaağaç Street, No: 9 35800, Aliağa , İzmir / TÜRKİYE Telephone: (0232) 618 20 44 – 618 20 55 – 618 20 56 Fax: (0232) 618 20 45			
3	Facility First Name	GüzelEnerji Akaryakıt A.Ş. Aliaga Terminal Directorate.			
4	Facility Located Province	İzmir			
5	Facility Contact Information (Address, Telephone, Fax, Email And Web Page)	GüzelEnerji Akaryakıt A.Ş. / Atatürk Neighbourhood, Karaağaç Street, No: 9 35800, Aliağa , İzmir / TÜRKİYE Telephone: (0232) 618 20 44 – 618 20 55 – 618 20 56 Fax: (0232) 618 20 45			
6	Facility Located Geographical Region	In The Aegean Region; Aliağa Is Located In The Southern Part Of Çandarlı Bay, Approximately 60 Km In The North-Northwest Of İzmir.			
7	Facility Connected Is Port Presidency And Contact Details				
8	Facility Connected Is Council PresidencyAnd Contact Details	Aliağa Municipality Telephone: (0232) 616 19 80			
9	Free Zone Where The Facility Is Located Or Organized Industry Of The Region First Name	İzmir Province, Aliağa District, Arapçiftliği Town, Atatürk Mh. Karaagac Cd. There Is A Closed Area Of 11960 M2, An Open Area Of 91.480 M2 And A Closed Area Of 1.235 M2 (Administrative Building) On An Area Of 92.715 M2, Registered In The Title Deed K17.B3.1C Map, Block 892, Parcel Nu 1.			
10	Coast Plant Business Permit/Temporary Business Permission Of Your Document Validity Date	21.04.2024			
11	Facility Activity Status	Own Burden Own 3rd And Burden Party Additional ()			
12	Facility Of The Person In Charge First Name And Last Name, Contact Detail (Telephone, Fax, Email) H2 (Telephone, Fax, Email) H2 (Telephone, Fax, Email) H2 (Telephone, Fax, Email) H3 (Tuna AKSOYLU Atatürk Neighbourhood, Karaağaç Street, No: 9 35800, Aliağa , İzmir / TÜRKİYE Telephone: (0232) 618 20 44 – 618 20 55 – 618 20 56				

13	Facility Dangerous Load Operations Of The Person In Charge First Name And Last Name, Contact Detail (Telephone, Fax, Email)	
14	Facility Dangerous Matter Security Of Your Advisor First Name And Last Name, Contact Detail (Telephone, Fax, Email)	
15	Facility Sea Coordinates	LattLongitude38*49' 32.14" N26* 55' 03.45" E38* 49' 43.21" N26* 55' 09.60" E
16	On Site Handled Dangerous Load Breeds (MARPOL Annex I, IMDG Code, IBC Code, IGC Code, IMSBC Code, Grain Code, TDC Code Covered By With Loads Asphalt/Bitumen And Scrap Loads)	Diesel, Gasoline, Mineral Oil, Performance Additives
17	On Site Handled Dangerous Loads (In Article 16) Load Types IMDG Code Other Than Loads Separate Separate Will Be Written. AdditionalLoad Request Annex 1 Form With Connected Port Will Be Forwarded To The Chairman Appropriate To TYER	Diesel, Gasoline.
18	IMDG Coda Subject To, Handled Loads ForClasses	
19	IMSBC Coda Subject To, Handled LoadsFor Characteristic In The Table Groups	-
20	To The Facility Able To Approach Ship Types	Oil/Product Tanker,Liquefied Gas Ship.
21	Facility To The Highway Distance (Kilometers)	5 Km
22	Facility To The Railway Distance (Kilometer) OrIron Way Connection (Yes/No)	5 Km / No
23	Most Near Your Airport First Name And To The Facility The One Which Distance (Kilometer)	Adnan Menderes Airport; 80 Km
24	Facility Load Handling Its Capacity (Ton/Year; TEU/Year; Vehicle/Year)	1.377.000 M <sup>3</sup> /Year
25	On Site Scrap Handling Done And Not Done	Not Done
26	Border Gate There Is Is It? (Yes No)	No
27	Bonded Field There Is Is It? (Yes No)	No
28	Load Handling Equipment And Capacities	1.377.000 M <sup>3</sup> / Year
29	Storage Tank Its Capacity (M <sup>3</sup> )	135.000 M <sup>3</sup>
30	Open Storage Area (M <sup>2</sup> )	91.480 M <sup>2</sup>

31	Half Close	Half Closed Storage Area (M <sup>2</sup> ) 1,235 M <sup>2</sup> Closed Area (Administrative Building/							
00		A	(1 42)			Warehouse)			
32	Closed Storage Area (M <sup>2</sup> )			11.960 M <sup>2</sup>					
33	Determined Fumigation And/Or From GasDecontamination Area (M <sup>2</sup> )				Not Av	/aila	ble.		
34	Guidance And Tugboat Services Of The CounterFirst Name, Title, Contact Details				Uzmar Pilotaj Tel: (0232) 445 76 00 Guidance: (0533) 275 96 13 Chief Inspector: 0530 311 07 18				
35	Security P	lan Creat	ted Does	It? (Yes No)	Yes				
36		ode The	Facility	acity Accept To The arate Will Be	Wast	te	Capacity (M <sup>3</sup>	)	
	Arranged.				Slop		2700 M3 +150	)m3 + 1	50 M3
					Sludge	e	40 M <sup>3</sup> Tempo	orary St	torage Tank
					Dirty Water			Capa	nt Unit With 300 city, 45 M3/Day t Plant
							40 M³ Temp 800 M³ Temp		Storage Space
					Waste			, er ar y	
37	Quay/Pier	Etc. Of F	ields Pro	perties			1		
-	ck/ ck No.	Size Metre	Top Meter	Maximum Depth (Metre)	This				
Trali	-0003	650		34			4		00 Dwt
	Pipe Of The Line Name (On Site IfAvailable)		Numt	per (Pcs)	)	Length (Me	tre)	Diameter Of(Inch)	
Diesel			1		650		12		
Gas	Gasoline				1		650		10
Mine	Mineral Oil				1		650		10
Diesel				1		650		6	
Slop				1		650		6	
Mine	eral Oil				1		650		6

#### 2. **RESPONSIBILITIES**

#### 2.1 General Responsibilities

They are obliged to take all necessary precautions to make the transportation safe, secure and harmless to the environment, to prevent accidents and to minimize the damage in case of an accident.

In emergency situations such as fire, leakage, spillage that occur during thetransportation of dangerous goods, they benefit from the EmS Guide, which includes Emergency Response Methods and Emergency Schedules for Ships Carrying DangerousGoods.

They benefit from the Medical First Aid Guide (MFAG) in the IMDG Code annexin order to provide the necessary medical first aid for the people affected by the damages of the dangerous goods and the health problems caused by the accidents involving these loads.

#### 2.2 Responsibilities of the cargo person

It prepares and has the mandatory documents, information and documents related to dangerous goods prepared and ensures that these documents are present with the cargo during the transportation activity.

It provides classification, packaging, marking, labeling and placarding of dangerous goods in accordance with their type.

It ensures that dangerous goods are loaded, stacked and securely fastened to approved packaging and cargo transport units in accordance with the rules and safely.

Ensuring that all relevant personnel are trained on the risks of dangerous goods transported by sea, safety precautions, safe working, emergency measures, security and similar issues, and keeping training records.

To ensure that the necessary safety measures are taken for dangerous goods that donot comply with the rules, are unsafe or pose a risk to people or the environment.

To provide necessary information and support to those concerned in case of emergency or accident

Notifying the administration of dangerous goods accidents in the area of responsibility

Provides the requested information and documents in the controls made by the official authorities and provides the necessary cooperation.

#### 2.3 Carrier's responsibilities

It requests mandatory documents, information and documents related to dangerousgoods from the cargo person and ensures that they are present with the cargo during the transportation activity.

It checks the compliance of the dangerous goods classified, packaged, marked, labeled and plated by the cargo person with the legislation.

It checks that the dangerous goods are packaged in accordance with the rules by using approved packaging and load transport units, they are safely loaded and securely fastened to the cargo transport unit.

#### 2.4 Responsibilities of the coastal facility operator

It cannot dock the ships carrying TY to its facility without the permission of theport authority.

It gives written information to the ship that will dock at its facility within thescope of facility rules, cargo handling rules and relevant legislation.

It does not handle dangerous goods for which it has not received a handling permit from the administration, and it does not harm the ships that will dock by planning in thiscontext.

It requests mandatory documents, information and documents related to dangerous goods from the cargo person and ensures that they are found with the cargo. If the relevant documents, information and documents cannot be provided by the cargo person, it isnot obliged to accept or handle the dangerous cargo at its facility.

It carries out the loading or unloading operation according to the agreement to bereached, by sharing all the data that may be required according to the characteristics of the cargo with the ship's person. The ship does not make any changes in the operation without the knowledge of the person concerned.

It determines the working limits by taking into account the safe working capacity of the facility and the weather forecasts, and takes the necessary measures for the ship to be safely anchored at the pier and for handling.

It controls the transport documents containing information that the dangerous goods coming to the facility are classified, packaged, marked, labeled, plated and loaded safelyto the cargo transport unit.

It ensures that the personnel involved in the handling of dangerous goods and theplanning of this handling are documented by receiving the necessary training, and does not assign personnel without documents to these operations.

It ensures that the FM handling equipment in its facility is operational and that therelevant personnel are trained and documented on the use of these equipment.

By taking occupational safety measures at the coastal facility, it ensures that thepersonnel use personal protective equipment suitable for the physical and chemical characteristics of the dangerous cargo.

It carries out the activities related to TY at the appropriately established quays, piers and warehouses.

Equips the piers and piers reserved for ships that will load or unload dangerous liquid bulk cargoes with appropriate installations and equipment for this work.

It keeps an up-to-date list of all dangerous cargoes on the ships berthed and in the closed and open areas of its facility and gives this information to the relevant parties upon request.

It notifies the port authority of the instant risk posed by the dangerous goods it handles or temporarily stores in its facility and the measures it takes for it.

It notifies the port authority of the accidents related to dangerous goods, including the accidents at the entrance to the closed areas.

It provides the necessary support and cooperation in the controls and inspectionscarried out by the administration and the port authority.

It stores the cargo transport units where dangerous goods are transported in accordance with the separation and stacking rules, and takes fire, environment and other safety

measures in accordance with the class of the dangerous cargo in the storage area. It keeps fire extinguishing systems and first aid units ready for use at any time in the areas where dangerous

cargoes are handled and makes the necessary controls periodically.

It takes permission from the port authority before the hot work and operations tobe carried out in the areas where dangerous cargoes are handled and temporarily stored.

Prepares an emergency evacuation plan for the evacuation of ships from coastalfacilities in case of emergency and submits it to the port authority and informs the relevant people about the plan approved by the port authority.

It ensures the internal loading of cargo transport units in accordance with the loading safety rules in its facility.

#### 2.5 Responsibilities of the ship owner

It ensures that the cargo to be carried by the ship is documented as suitable for transportation and that the cargo holds, cargo tanks and cargo handling equipment are suitable for cargo transportation.

It requests all mandatory documents, information and documents related to dangerous goods from the cargo person and ensures that they are present with the cargo during the transportation activity.

It ensures that the documents, information and documents required to be found on the ship regarding dangerous goods within the scope of legislation and international conventions are appropriate and up-to-date.

It checks the transport documents containing information that the cargo transport units loaded on the ship are appropriately marked, plated and loaded safely.

It informs the relevant ship personnel about the risks of dangerous cargoes, safety procedures, safety and emergency measures, response methods and similar issues.

It keeps up-to-date lists of all dangerous goods on board and declares them to the relevant parties upon request.

It ensures that the loading program, if any, is approved and documented and kept in working condition.

It notifies the port authority and the coastal facility about the instant risk posed by the dangerous cargoes on the ship berthing to the coastal facility and the measures taken for it.

In case of leakage in the dangerous cargo or if there is such a possibility, it does not accept to carry the dangerous cargo.

He notifies the port authority of the dangerous cargo accidents that occur on his ship while navigating or at the coastal facility.

It provides the necessary support and cooperation in the controls and inspectionscarried out by the administration and the port authority.

It does not accept to carry dangerous goods that are not included in the shipcertificates issued by the relevant institutions and organizations.

It ensures that the people of the ship involved in the handling of dangerous goodsuse personal protective equipment suitable for the physical and chemical properties of the cargo.

It provides the requirements for the loading safety of the loads loaded on the ships.

#### 3. RULES AND MEASURES TO BE IMPLEMENTED BY THE COASTAL FACILITY

The rules and precautions outlined in this section are the same as in chapters 1,4,6,7,8,9,10 of this guide. Chapters, Hazardous Material Emergency Plan and Accident Prevention Policy are detailed. Infrastructural requirements are provided by our Shore Facility.

#### 3.1 Pilotage, Guidance

While entering the port and leaving the pier, Turkish flagged ships of 1000 dwt and above and foreign-flagged ships of 250 dwt and above are subject to piloting, so they have to take a guide.

When the ship is ready to berth, it will be able to communicate with the pilot via VHF radio on channel 16 or 13. The pilot departs from Aliağa Pilot Station, which is 2 to 3 miles west of Taşlı Burnu lighthouse, and returns to the same place when the ship leaves. If the ship is to dock, the pilot sends his request to this place and leaves it at the same place when leaving.

#### 3.2 Tugboat and Mooring Services

Tugboat and mooring services in Aliağa port are provided by the contracted company, Uzmar Pilot, upon request, depending on weather conditions and safety conditions.

The number of tugboats is determined by the request of Güzel Enerji, Uzmar Pilot or the ship's captain, depending on the weather conditions and for safety reasons.

The distance between Uzmar Pilot and Aliağa Terminal Pier is approximately 2.5 miles. Under normal conditions, the arrival time of tugboats is between 12 and 15 minutes.

The ship, which is in the situation of requesting a tugboat, firstly agrees with the Terminal on the berthing place (inner or outer part of the pier); then he requests as many tugs as he needs.

Special arrangement, if there is a ship at the LNG facility pier adjacent to Aliağa Terminal, it is obligatory to have a tugboat at the Aliağa Terminal pier as stated below. (Undersecretaitat for Maritime Affairs 24.08.2002)

 2.000 - 5.000 GRT
 : 1 Tugboat - 16 Tonne

 5.000 - 15.000 GRT
 : 1 Tugboat - 24 Tonne

 15.000 - 30.000 GRT
 : 1 Tugboat - 30 Tonne

 30.000 - Over GRT
 : 1 Tugboat - 40 Tonne

#### 3.3. Berthing Procedures

Estimated Time of Arrival (ETA) must be communicated to the GüzelEnerji terminal at least 3 days prior to arrival, followed by notifications confirming or correcting the previous notification. Radio messages are forwarded by Türk Radyo. Its call sign is "TÜRK RADYO" and its frequency is 2760 kHz. The ETA message should contain the following information:

- Ship's name and callsign
- Subordination
- Agency

- Length, draft and gross tonnage
- Type and amount of dirty ballast
- Ballast discharge capacity (ton/hour)

The vessel can maintain 24-hour communication with the Uzmar Guidance Station on VHF Channel 16 or 13 while within 10-15 miles approximately 3 hours before its arrival. Call sign: "Expert Pilot".

Ships arriving for loading and/or unloading must report their time of arrival and issue a Ready Letter when they dock or the pilot embarks. The lining up period generally starts 6 hours after receipt of the Ready Letter unless otherwise agreed.

The tanker should ask for the mooring time and act according to the instructions given by the port.

The captain is asked if there are any problems. If the mooring place is not busy and there is no problem in terms of both the pier and the ship, mooring permission is granted. If the ship does not evacuate the mooring place at the first request, Güzel Enerji terminal Port Control has the right to delay the berthing time of the ship (or shift it) or to prevent the ship from berthing at the ship's expense and risk. If there is a problem in terms of the ship or the pier, the ship is asked to anchor.

The Port Loading Captain or the Uzmar Pilot makes the mooring decision taking into account the weather conditions. If the ship is unable to clarify its berthing upon the first request of the Güzel Enerji Aliağa Terminal Loading Captain, the loading captain may take the ship out (have it taken off) at the ship's expense and risk.

# 3.4 Anchorage

If a tanker is ordered to moor, it will anchor at the anchorage area whose coordinates are given in Annex 2 (For vessels carrying liquid hydrocarbon product cargo, it is obligatory to anchor at the outer port). If requested, the Uzmar Pilot will show the anchor location.

1	It is mandatory to use the following personal protective equipment at the pier. - Helmet - Work gloves - Work glasses - Flame Resistant Long Sleeve Work Wear - Antistatic Safety Shoes	
2	Life jackets will be worn from the pier entrance and it is mandatory to use a life jacket on the pier.	
3	It is forbidden to wait in the manifold area while The waiting will be done on the platform.	the ship is making a berthing maneuver.

# 3.5 Rules to be Followed on the Pier

4	It is forbidden to pass under the ladder installed between the pier and the ship.
5	The hydraulic crane on the scaffolding platform will only be used by personnel with valid license and authorized by the terminal manager. Preliminary checks of the hydraulic winch will be made before each use.
6	It is forbidden to pass under the lifted load. It is obligatory to use slings and saddles while lifting the hoses.
	The following rules will be followed during the use of the Fuel Filling Hose;
	- Do not forget to close the filling hose with the blind flange after use.
7	<ul> <li>There will be at least 3 Facility personnel (two of whom will manage the operation of the hose) at the pier during the work of extending the nozzle of the filling hose to the ship or removing it from the ship.</li> </ul>
	The filling hose will be fixed with a saddle to prevent the hose from swinging and moving fast.
	<ul> <li>It is forbidden to work and pass under the hose and crane boom.</li> <li>Only the crane operator will use the pier crane.</li> </ul>
8	It is forbidden to pass under the hose lifted by the ship's crane during ship loading/unloading operations. It will be kept at a safe distance during the crane lifting operation.
9	Equipment such as tape measure and diver will be brought to equivalent potential by contacting the sounding pipe once before being immersed in slop drums or ship cargo tanks. (In inert gas ships, the closed system is made with mmc.)
10	While taking samples from the ship's cargo tank, attention will be paid to the wind blowing from behind. Sample bottles maximum 950 ml. will be filled. The equivalent potential connection cable connected to the MMC device will be connected to the appropriate place before starting the measurement.
11	It is obligatory to use a yellow tool in all operations on the fuel lines at the pier
12	For the use, control and maintenance of fire monitors, there will be no material at hand during the ascents to the tower. It is mandatory to use a double lanyard parachute type seat belt while climbing to the tower.
13	Necessary work permits will be obtained before the maintenance and control of fire monitors. It is obligatory to use a parachute type seat belt in these works at height.
14	It is forbidden for non-swimmers to check the fender.

# 3.6 Berthing

Provides adequate and safe fastening facilities,

Provides adequate and safe access between the ship and the shore.

Ensures that the areas where the cargo transport units are held are properly inspected andthat the package or cargo transport units are regularly checked for leaks or damage. The necessary treatment of cargo transport units with leaks or damage is carried out only under the supervision of a responsible person.

Ensures that the person concerned is aware of the possible dangers arising from the presence of dangerous goods.

Power operated or non-powered equipment used in handling and stacking operations is inspected and inspected prior to use to ensure that they are maintained in accordance with the manufacturer's maintenance instructions, are in good working condition and are of appropriate standards.

#### 3.7 Safe loading and segregation

Appoints at least one responsible person who has sufficient knowledge about transportation and national or international legal requirements for the transportation of dangerousgoods, including the separation of incompatible cargoes. (January 1, 2018)

#### 3.8 Emergency procedures

**Ensures** that appropriate emergency arrangements are made and notified to thoseconcerned. These regulations include the following;

Providing appropriate emergency alarm operating points;

Notification of an event or an emergency to the relevant emergency services inside and outside the port area,

Notification of an event or an emergency to the port authority and port area usersat sea and on land,

**Provision** of emergency vehicles suitable for the dangers of dangerous goods to behandled,

Coordinated arrangements for the departure of a ship in the event of an emergency;

Arrangements to ensure adequate access/exit at all times.

Considering the nature of the dangerous goods and all their special conditions, thenecessity of a safe and fast emergency escape plan is taken into consideration.

The "Medical First Aid Guide (MFAG)" in the IMDG Code annex is used in order toprovide the necessary medical first aid for the people affected by the damages of dangerous cargoes and the health problems caused by the accidents involving these cargoes.

For emergency situations involving dangerous goods, the "Emergency Plans (EmS)" in the IMDG Code annex is used.

In case of emergencies or accidents, first aid materials to be used for intervention are keptin places that are known and easily accessible by the personnel.

#### 3.9 Emergency information

Shore Facility, including quantities, proper shipping names, correct technical names (if any) UN numbers, classes or, when assigned, division of goods, compatibility group letter, adverse hazard classes (if assigned) packing group (if assigned) and provides a list of all dangerous goods in warehouses and other areas, including the exact location kept ready foremergency services.

The person responsible for the warehouses and areas where dangerous cargo handling iscarried out is aware of the occupancy status of the dangerous goods in his area and has the information ready for use in case of emergency. Ensures that the person responsible for cargo loading operations involving dangerous goods has the necessary information about the measures to be taken to deal with theaccidents related to dangerous cargoes and that this information is available for use in emergencies.

Uses electronic or other automated information processing or transmission techniques toprovide access to information.

Hazardous materials data sheets are normally available from manufacturers of chemicals. Electronic databases with emergency response information are also available and are used when direct access to data is provided.

Ensures that port emergency response operations and port emergency telephonenumbers are located within or in important locations of warehouses and dangerous goods transport and operations.

Ensure that fire-fighting and pollution-fighting equipment and equipment are clearly marked and notices highlighting them are placed in all appropriate places in a clearly visiblemanner.

Provides the information of the emergency operations in force and the services available in its interface to the captain of the ship loading or carrying dangerous goods.

#### 3.10 Fire precautions

Make sure that:

Make sure that berths at the interface where ships dock are always available foremergency services access.

Make sure audible or visual alarms for emergency use are located within the area and communication means are available for emergency services.

Keeping all areas used for the transport of dangerous goods clean and tidy,

Make sure that the ship captain is informed of the location of the nearest vehicles tocall the emergency services before the dangerous goods are loaded.

Availability of lighting and other electrical equipment that is safe to use inflammable or explosive atmospheres in areas where dangerous loads are located.

Since the places where smoking is prohibited are determined

Warnings in the form of symbols prohibiting smoking are clearly visible at allpoints and are kept at a safe distance from places where smoking areas would pose a hazard.

Since the equipment used in a flammable or explosive environment or in an environment where such conditions may develop, is safe to be used in a flammable or explosive environment, does not cause any fire or explosion and is suitable for use in this way.

Considering the fire and explosion hazards that may occur as a result of the transportation of dangerous goods, it should be noted that the cargo transport units kept emptymay still contain residues and flammable vapors and will pose a hazard.

Makes sure that the electrical appliances plugged into portable plugs with extensioncords are not used in areas or places that can create a flammable atmosphere.

#### 3.11 Firefighting

Ensures that adequate and correctly tested fire extinguishing equipment and facilities areavailable on board in accordance with the requirements of the Administration in areas where dangerous goods are transported or loaded. Provides training for the personnel involved in the transportation or loading of dangerousgoods on the use of fire extinguishing equipment in accordance with the requirements of the Administration and makes fire drills.

#### 3.12 Environmental precautions

It ensures that dangerous goods are only transported in areas that comply with therequirements of the Administration.

Necessary measures are taken to prevent the dangerous goods handled in the coastal facility from contaminating the soil, water or areas where water is discharged. These measures are also applied for areas with pipelines and conveyor systems used in the handling of hazardousmaterials.

It is possible to take from the ship for contaminated bilge water, dirty ballast, sludge, slopand cargo waste.

#### 3.13 Fighting pollution

Provides sufficient equipment to minimize the damage that may occur in case of spillage of dangerous goods.

Equipment includes oil spill fences, condensate caps, absorbent and neutralizing agents, as well as cleaning supplies and portable catchments.

Ensures that the personnel involved in the transportation and handling of dangerousgoods are trained and experienced in the use of pollution-fighting equipment and facilities in accordance with the Administration's requirements.

#### 3.14 Reporting of Incidents

If an accident occurs during the transportation of dangerous goods within its area of responsibility that may endanger the safety and security of the port, the ships in the port, anotherproperty, the environment or the persons responsible for the transportation task, immediately stop the operation and do not restart the operation until appropriate safety measures are taken. In case of an accident during the transportation of dangerous goods, all personnel must report it to the person responsible for the operation.

In order to give a quick and effective response; A brief and accurate description of the incident should be sent to the emergency center as quickly as possible to treat injured personnel and reduce damage.

If an accident occurs during the transportation of dangerous goods that may endanger thesafety and security of the port, the ships in the port, another property, the environment or the persons responsible for transportation, the situation shall be reported to the port administration immediately.

A damaged or leaking package containing dangerous cargoes is immediately reported to the port authority of the unit load or cargo transport unit.

#### 3.15 Audits

The Port Officer, where appropriate:

Controls the documents and certificates related to the safe transportation, handling,packaging and stacking of dangerous goods upon arrival at the port

It checks that they are marked, labeled or placarded in accordance with the provisions of the IMDG Code and the national and international legal requirements applicable to the mode of transport.

Inspects the physical condition of every vehicle containing dangerous goods by externalinspection for any visible damage or any indication of leakage of its contents.

Ensures that the relevant security measures are taken in the port area and regularlychecks this process for a safe transport operation.

If the above-mentioned controls reveal that there are deficiencies that may affect the safetransport or transportation of dangerous goods, the Port Operator immediately informs all relevant parties and requests that the deficiencies are corrected before the transport or transportation of dangerous goods.

Provides all necessary support to the port administration or other persons or institutions authorized to inspect dangerous cargoes.

#### 3.16 Hot work and other repair or maintenance work

Ensures that any repair or maintenance work resulting from the absence of an emergency/fire equipment is not carried out without the prior authorization of the port authority.

Hot works that are planned to be carried out on board are not allowed.

#### 3.17 Contaminated waste

It ensures that wastes contaminated with dangerous goods are immediately collected and disposed of in accordance with the requirements of the Administration.

#### 3.18 Alcohol and drug use

Controls the non-participation of a person under the influence of alcohol or drugs in an operation involving the transportation of dangerous goods within its area of responsibility.

These persons are always kept away from the areas where dangerous goods aretransported or transported.

#### 3.19 Weather conditions

It does not allow dangerous goods to be transported in weather conditions that canincrease the risk significantly within its area of responsibility.

Dangerous liquid bulk cargoes shall not be transported during thunderstorms, storms andrainy weather.

#### 3.20 Lighting

Ensures that the areas where dangerous goods are handled and prepared for handling and their entrances are adequately illuminated within the scope of his/her responsibility.

#### 3.21 Handling Equipment

Ensures that all equipment used in the transport of dangerous goods within its area of responsibility are suitable for their intended use and used only by experienced persons.

Ensures that all load handling equipment within its area of responsibility is of anapproved type, properly maintained and tested in accordance with national and international legal requirements.

#### 3.22 Protective equipment

It ensures that all personnel involved in the transport of dangerous goods within its area of responsibility are provided with adequate protective equipment when necessary.

It is checked that these equipments provide adequate protection against the hazardsspecific to the transported dangerous goods and that they are of an approved type.

#### 3.23 Communication

The port authority should ensure that every ship carrying dangerous goods maintains effective communication with port authority officials. In the implementation of such communication /communications, it should be done with VHF radio devices in accordance with the provisions of the SOLAS IV/7 Regulation and in accordance with theperformance standards determined in the IMO Session A.609(15) decision and the conditions of the Administration.

#### 3.24 Areas Dangerous cargo areas

Necessary monitoring and alarm systems are installed in order to keep the hazardousmaterial handling areas under constant surveillance by the relevant facility personnel and/or security guards.

In areas where dangerous goods are temporarily stored, segregation and stackingrequirements are met.

In order to make the necessary intervention in case of emergency, adequate entrance andexit opportunities are provided to the areas where dangerous goods are handled, or if dangerous goods are stacked or stored in the whole area, the access roads to the cargo transport units containing dangerous goods are kept open and emergency facilities and facilities that can be intervened in a short time in the field are provided. equipment is available to provide capability.

Procurement activities It is exempt from purchasing activities such as slop, bilge, sludge, waste oil, domesticwastewater and garbage.

#### 3.25 Education

IMDG Code, emergency situations (fire, explosion, leakage, etc.) and response, occupational health and safety, ISPS code security awareness training in accordance with the jobdescriptions and working areas of the personnel involved in the loading / evacuation of dangerous goods at the Coastal Facility . and safety issues will be provided.

# 4 CLASSES OF DANGEROUS LOADS, TRANSPORTATION, LOADING/UNLOADING, HANDLING, SEPARATION, STACKING AND STORAGE

4.1 Classes of Dangerous Goods

 Table 4.1 Dangerous Goods Handled at the Port

PRODUCT NAME	CLASS	UN NO
MOTORINE	CLASS 3	UN 1202
GASOLINE	CLASS 3	UN1203

#### 4.2 Packages and Packages of Dangerous Goods

Dangerous goods are handled as bulk cargo at the facility.

#### 4.3 Placards, Plates, Brands and Labels for Dangerous Goods Handled at the Port



# 4.4 Signs of Dangerous Goods and Packing Groups

NAME OF THE PRODUCT	UN CODE	CLASS	Marking	Packagin gGroup
Gasoline	UN 1203	3		II
Diesel	UN 1202	3		111
		substances cla must bear the should be plac goods. The dir a minimum of	d cargo transport units containing assified as "Marine pollutants" by the e markings shown here and be d ced close to the risk labels or risk p mensions of marine pollutant mark 10 cm per side ofpackages and 2 and equipment used in that line.	he IMDG Code lurable. These blacards of the ings should be

# 4.5 Separation Tables on Ship and Shore Facility According to Classes of Dangerous Goods

CLASS			1.3 1.6	1.4	2.1	2.2	2.3	3	4.1	4.2	4.3	5.1	5.2	6.1	6.2	7	8	9
Explosives	1.1, 1.2, 1.5	*	*	*	4	2	2	4	4	4	4	4	4	2	4	2	4	х
Explosives	1.3, 1.6	*	*	*	4	2	2	4	3	3	4	4	4	2	4	2	2	х
Explosives	1.4	*	*	*	2	1	1	2	2	2	2	2	2	Х	4	2	2	X
Flammable gases	2.1	4	4	2	х	Х	х	2	1	2	2	2	2	Х	4	2	1	х
Non-toxic, non-flammable gases	2.2	2	2	1	Х	Х	Х	1	X	1	Х	X	1	Х	2	1	х	х
Toxic gases	2.3	2	2	1	х	Х	х	2	Х	2	х	X	2	Х	2	1	х	х
Flammable liquids	3	4	4	2	2	1	2	х	X	2	2	2	2	Х	3	2	х	x
Flammable solids (including self-reactive substances and solid desensitized explosives)	4.1	4	3	2	1	x	x	x	x	1	x	1	2	x	3	2	1	X
Substances liable to spontaneous combustion	4.2	4	3	2	2	1	2	2	1	Х	1	2	2	1	3	2	1	х
Substances which. in contact with water, emit flammable gases	4.3	4	4	2	2	x	x	2	x	1	x	2	2	x	2	2	1	x
Oxidizing substances (agents)	5.1	4	4	2	2	х	х	2	1	2	2	Х	2	1	3	1	2	x
Organic peroxides	5.2	4	4	2	2	1	2	2	2	2	2	2	х	1	3	2	2	х
Toxic substances	6.1	2	2	х	х	х	х	х	Х	1	х	1	1	Х	1	х	х	x
Infectious substances	6.2	4	4	4	4	2	2	3	3	3	2	3	3	1	Х	3	3	х
Radioactive material	7	2	2	2	2	1	1	2	2	2	2	1	2	Х	3	х	2	x
Corrosive substances	8	4	2	2	1	х	х	х	1	1	1	2	2	х	3	2	х	х
Miscellaneous dangerous substances and articles	9	x	x	x	x	x	x	х	x	x	x	x	x	x	x	x	x	x

The numbers and symbols in the table have the following meanings:

1- "away"

2- "divided"

3- "separated by a complete partition or hatch"

4- "separated longitudinally by a complete partition or warehouse in between"

X- Dangerous Goods List should be consulted to verify if there are specific separation provisions

\*- See IMDG article 7.2.7.1 for separation provisions between substances or products in Class1.

#### 4.6 Separation distances and terms of dangerous goods in warehouses

#### **Separation terms**

The following separation terms used throughout this Code are defined elsewhere in this section; they apply to the packaging of cargo transport units and the sorting of different types of ships:

- .1 "away";
- .2 "divided";
- .3 "separated by a complete partition or warehouse";
- .4 "separated longitudinally by a complete partition or warehouse in between".

Separation terms such as "out of class ..." used in the Dangerous Goods List, "class ..." are deemed to include the following items:

- .1 "class ." all ingredients and
- .2 "class ." All substances that have a secondary hazard label required.

#### 5 HANDBOOK ON DANGEROUS LOADS HANDLED ON THE COASTAL FACILITY

A copy of the dangerous goods handbook has been prepared and distributed to all relevant personnel is attached. (Annex 1)

#### **6 OPERATIONAL MATTERS**

LATT

38\* 49' 32.14" N

38\* 49' 43.21" N

6.1 Procedures for safe berthing, mooring, loading/discharging, sheltering oranchoring of ships carrying dangerous goods day and night.

#### 6.1.1 Scaffolding Conditions Location And Coordinates Of Aliaga Port On The Map

LONGITUDE

26\* 55' 03.45" E

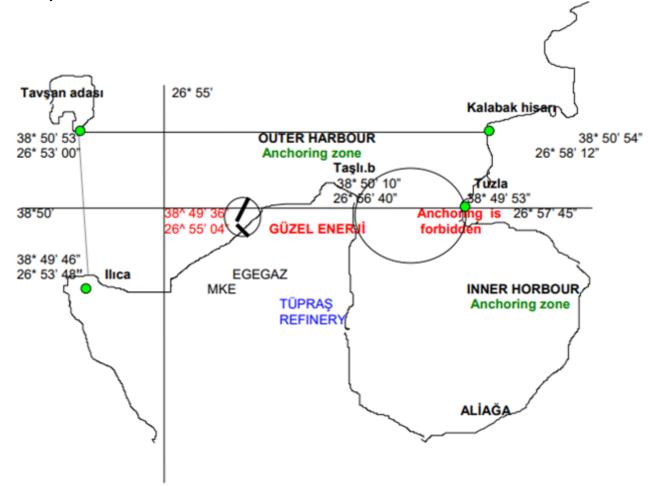
26\* 55' 09.60" E

Aliağa is located in the Southern part of Çandarlı Bay, approximately 60 km in the North North-West of İzmir.

The coordinates of the pier belonging to GüzelEnerji Akaryakıt A.Ş. Aliağa Terminal are given below:



Figure1: Location of the facility on the map



In Figure 1, the pier coordinates, anchorage areas and the prohibited area are indicated on the map.

Figure 2: Geographic Coordinates of the Facility

It is the responsibility of the Port Authority to direct where and when a ship withany dangerous cargo on board can anchor, moor, berth and stay in the port area, taking into account the nature and amount of dangerous cargoes, the environment, population and weatherconditions.

In an emergency, directing a ship with any dangerous cargo on board to be transported in the port area or to be removed from the port area for the safety of the ship and rew can be done with the approval of the ship's captain, the port operator's decision and the Port Authority.

It is the responsibility of the Port Authority to determine any additional requirements in accordance with the local conditions and the amount and nature of the dangerous cargoes exposed.

The Shore Facility makes sure that the following are provided;

- Ensuring adequate and secure lashing facilities,
- Ensuring adequate and safe access between the ship and the shore.

# 6.2 Procedures regarding additional measures to be taken according to seasonal conditions for the loading and unloading of dangerous goods.

The loading operations of bulk liquid cargoes are not carried out either instormy weather or in an open case that will react dangerously during rain if it comes into contact with water.

# 6.3 Procedures for keeping flammable, combustible and explosive loads away from processes that create/can create sparks and not to operate vehicles, equipment or tools that create/can create sparks in dangerous goods handling, stacking and storage areas.

Before performing a hot job in our facility, the responsible company officer who will perform the hot job has a written authorization issued by the port administration to perform this hot job. This type of authorization includes the details of the hot workplace as well as the safety measures to be followed.

In addition to the security measures required by the port administration, additional security measures required by the ship and/or interface are taken, togetherwith the ship and/or interface responsible(s) responsible for the hot work, before starting the hot work.

#### These additional security measures include:

Frequency of inspection and re-inspection of local areas and adjacent areas, including testing by approved testing organizations to ensure that areas will remain free and free of flammable and/or explosive atmospheres and that there is nooxygen deficiency;

Removal of dangerous cargoes and other combustible materials from work areas and adjacent areas. Substances to be removed from the said areas; including lime,sludge, sediment and other potentially flammable materials,

Effective protection of combustible building materials (eg beams, woodpartitions, floors, doors, wall and ceiling linings) against accidental ignition;

In order to prevent the spread of flames, sparks and hot particles from workareas to adjacent or other areas; sealing and sealing open pipes, pipe passages, valves, joints, cavities and open parts,

A copy of the hot work authorization and safety precautions is posted in the area adjacent to the work area, as well as at the entrance to each work area. Authorization and security measures to be taken are posted in a place that can be seenby all employees who will take part in the hot work, and these are clearly understood by the employees.

#### While performing hot work:

Checks are made to ensure that the conditions have not changed,

At least one suitable fire extinguisher or other suitable fire extinguishingequipment is available for immediate use in the hot workplace,

With reference to the completion of this work during the hot work and for a sufficient period of time after its completion, an effective fire control is carried out in the hot work area as well as in the adjacent areas where a hazard from heat transfer may occur.

For additional more detailed information and procedures regarding hot works and processes, the document "International Safety Guidelines for Oil Tankers and Terminals (ISGOTT)" is referred to. In accordance with ISGOTT and Work PermitProcedure, permission is granted for the works to be carried out at the facility and the pier.

Shore Facility, Occupational Safety Procedure is also applied.

## 7 DOCUMENTATION, CONTROL AND REGISTRATION

# 7.1 All mandatory documents, information and documents related to dangerous goods, procedures for their supply and control by those concerned.

The following documents regarding Dangerous Goods are kept up-to-date.

- IMDG Code International Code of Dangerous Goods Transported at Sea
- MARPOL 73/78 International Convention for the Prevention of Pollution fromShips, 1973/78 as amended
- **SOLAS 74** International Convention for the Safety of Life at Sea 1974 as amended
- **ISGOTT** Oil Tankers and Terminals

Operations Department regarding Dangerous Goods handled at the port;

- arriving at the port,
- sent from the port,
- stored in the terminal,
- temporarily stored in the port
- It maintains all records related to dangerous cargoes in a way that they can fully createand show when requested.

# 7.2 Procedures for keeping up-to-date list of all dangerous goods and other relevant information in the coastal facility area regularly and completely

Dangerous goods inventories are kept up-to-date by the Operations department, including the following information, for the records of dangerous goods handled at our port.

- UN Number,
- PSN name (Proper Post Name,
- Class, (with sub-hazards)
- Whether it is a Marine Pollutant,
- Buyer,
- Sender,
- seal number,
- Additional Information (Ignition degree, viscosity, etc.)
- Where it is stored in the Port Area
- Length of stay in port

This information is kept in a computer environment or in a file order so that onlyauthorized personnel can access it and is displayed when requested.

7.3 Procedures for controlling that the dangerous goods arriving at the facility are properly defined, the correct shipping names of the dangerous goods are used, certified, packaged/packaged, labeled and declared, and that they are safelyloaded and transported in the packaging, container or cargo transport unit inaccordance with the rules, and reporting the control results.

Dangerous goods to be accepted to the Port in coordination with Planning and Operation checks the accuracy of the following information on the Dangerous cargo documents by the Shipper.

- UN Number,
- PSN name (Proper Post Name,
- Class, (with sub-hazards)
- Whether it is a Marine Pollutant,
- Additional Information (Ignition degree, viscosity, etc.)
- Where it will be stored in the Port Area

This information is controlled by the Coastal Facility officers.

#### 7.4 Procedures for obtaining and maintaining a safety data sheet (SDS).

- As of January 1, 2014, by the laws of our country, it is ensured that a DangerousGoods Safety Data Sheet (SDS) containing the following information is available along with the dangerous goods to be transported in all modes of transport (Road, Railroad, Airway and Seaway).
- UN Number,
- PSN name (Proper Shipping Name,) (Required for sea freight)
- Class, (with sub-hazards)
- Packing Group (Class 3)
- Whether it is a Marine Pollutant,
- Tunnel Restriction Code (Required for road transport.)

For all Dangerous Goods to be accepted into the port, it is checked that thisdocument is included with the Dangerous Goods.

#### 7.5 **Procedures for keeping records and statistics of dangerous goods.**

The Administration requested a report containing information about the dangerousgoods handled at our Port Facility to be reported to the Port Authority in quarterly periods. Control Results Notification Form for Cargo Transport Units (CTUs) issued by the Operations Department is attached.

Statistical evaluations from the records of Dangerous Goods handled annually inour port are made by the Departments of Commerce, Operations.

The monthly counting and control reports of dangerous goods stored in our PortArea are prepared by the operations department and presented to the Management. Records and reports are archived by the departments in 5-year periods.

## 7.6 Information about the Quality Management System .

The company has ISO 9001:2015 Quality Management Certificate and it has a certificate authorized by Bureau Veritas valid until 28.03.2025.

## 8 EMERGENCIES, EMERGENCY PREPAREDNESS AND RESPONSE

## 8.1 Intervention procedures for dangerous goods that pose/may create risks to life, property and/or the environment and dangerous situations involving dangerous goods.

## **Decision making**

The preventive action options for a given situation depend on a number of factors. In some cases, evacuation may be the best option. In other cases, shelter in place may be the best option.

Sometimes, these two actions can be used together. In any emergency, authorities need to quickly issue instructions to the victims. Subjects will need to constantly hear information and instructions while being protected at the scene or being evacuated.

Proper evacuation in the following elements will determine the degree of effectiveness of evacuation or on-scene protection. The degree of importance of these factors may vary depending on the emergency conditions. In emergencies, other factors may need to be identified and considered. This list shows what information might be needed to make the initial decision.

Dangerous materials

Degree of harm to health

Chemical and physical properties

Amount included

Control of hold/release

Rate of steam movement

## Population Exposed to Threat

where they are found

Number of people

Time available to evacuate or contain them where they are

Possibility to control evacuation or on-site protection

Types and availability of buildings

Private organizations and populations

#### Weather conditions

Effect on steam and cloud motion

The potential for change

Impact on evacuation or on-site protection

## 8.2 Information on the capability, capability and capacity of the coastal facility to respond to emergencies.

The facility has an approved fire plan. Fire fighting teams have been formed for each shift. In planned and unplanned times, training, drills and exercises are carried out within thescope of various scenarios and reports and records are created. Fire-fighting equipment stipulated in the approved plan is kept in full, maintenance controls and tests are carried out.

The facility has an approved plan for combating Environmental and Marine Pollution. Pollution fighting teams have been formed for each shift. Training and exercises are carried out

twice a year within the scope of a planned scenario, and reports and records are created. Equipment related to Environmental and Marine Pollution is stored in the facility and counted and checked. The facility also has a protocol for material stored in the area to receive support incase of unsatisfactory conditions.

Response teams are assigned against the spillage of dangerous materials in line with this guideline and in accordance with the IMDG CODE.

## 8.3 Arrangements for first response to accidents involving dangerous goods

(First aid procedures, first aid possibilities and capabilities, etc.).

From the "Medical First Aid Guide (MFAG)" in the IMDG Code annex and

It is used from the "Emergency Plans (EmS)" in the IMDG Code annex for emergencysituations involving dangerous cargoes. It is in clause 10.10.

At the same time, Emergency Response tables are used in ANNEX-5 of the Hazardous Material Emergency Plan.

## 8.4 Notifications to be made inside and outside the facility in case of emergency.

- a) When the accident occurred,
- b) If the accident is known, how it occurred and the reason,

c) The place where the accident occurred (Coastal facility and/or ship), its position and areaof influence,

d) Information, if any, of the ship involved in the accident (Name, flag, IMO number, owner, operator, cargo and quantity, captain's name and similar information),

d) Meteorological conditions,

e) UN number of the dangerous substance, proper transport name (based on the legislation specified in the definition of dangerous substance) and amount,

- f) Hazard class of the dangerous substance or sub-hazard division, if any,
- g) Packing group of the dangerous substance, if any,
- ğ) Additional risks of the dangerous substance, such as marine pollutants, if any,
- h) Sign and label details of the dangerous substance,

I) The characteristics and number of the package, cargo transport unit and container in which the dangerous substance is transported, if any,

- i) Manufacturer, sender, carrier and receiver of dangerous goods,
- j) The extent of the damage/pollution,
- k) Number of injured, dead and missing, if any,

Emergency response applications made by the coastal facility for the accident.

## 8.5 Procedures for reporting accidents.

Dangerous cargo accidents must be reported to the Port Authority and relevant institutions. The report format will be the form specified in APPENDIX-11.16, and will fully cover the following information about the accident.

a) When the accident occurred,

b) If the accident is known, how it occurred and the reason,

c) The place where the accident occurred (coastal facility and/or ship), its position and area of influence,

ç) Information, if any, of the ship involved in the accident (name, flag, IMO number, owner, operator, cargo and quantity, name of the captain and similar information),

d) Meteorological conditions,

e) UN number of the dangerous substance, proper transport name (based on the legislation specified in the definition of dangerous substance) and amount,

f) Hazard class of the dangerous substance or sub-hazard division, if any,

g) Packing group of the dangerous substance, if any,

ğ) Additional risks of the dangerous substance, such as marine pollutants, if any,

h) Sign and label details of the dangerous substance,

I) The characteristics and number of the package, cargo transport unit and container in which the dangerous substance is transported, if any,

- i) Manufacturer, sender, carrier and receiver of dangerous goods,
- j) The extent of the damage/pollution,
- k) Number of injured, dead and missing, if any,
- 1) Emergency response applications made by the coastal facility for the accident.

## 8.6 Coordination, support and cooperation method with official authorities.

All accidents related to Dangerous Goods are primarily coordinated with the Port Authority. By informing the Port Authority, support and cooperation are provided with the Provincial / District Fire Brigade, AFAD and the aid units of the neighboring facilities.

In case of a possible explosion, fire or emergency in the adjacent facility; First of all, measures are increased in the facility,

It is ensured that the teams are prepared to assist the neighboring facility,

Considering the urgency of the situation and the extent of the danger, when it is evaluated that there is no opportunity or time to seek help, aid and support teams will be assigned to respond to the incident.

The dangerous cargo area and the class, quantity and danger risk of the loads in the area will be evaluated and preparations will be made for measures such as evacuation, dilution of theloads, and lifting the ship to the anchorage if there is a ship at the interface.

## 8.7 Emergency evacuation plan for emergency removal of ships and vessels from shore facility.

## **Emergency Disconnect System Preparation**

All emergencies should be reported to the Port Authority authorities. If it is decided to leave the ship urgently, the safe places where the ship can be transported under controlled conditions should be specified by the Port Authority.

The master of the ship and the Coastal Facility will initiate the emergency separation process by mutual agreement in cases where urgent separation is required and will notify the Port Authority as soon as possible. In cases where the severity of the emergency and time permits, a representative from the Port Authority or the Harbor Master, Port Manager/Operation Officer, Ship Captain, Guide Captain will agree on the time and manner of the separation process before the emergency separation is made.

The ship's machinery, steering gear and off-road gear will be made ready for immediate use.All

cargo unloading, ballast operations should be stopped and ready for separation.

The ship's fire circuit will be flooded and water mist will be used for strategic sections.

If venting to the atmosphere is required, engine room personnel should be available, all nonessential receiving inputs should be closed, all safety precautions related to normal operationshould be followed, and a warning notice should be issued.

In all emergencies, if the required response exceeds the terminal facilities, the local police orfire department will be notified immediately.

The decision that the ship will be lifted under control is based on the principle of life safety and will also cover the following conditions.

- 1. Qualification of tugs
- 2. The ability of the ship to take off under its own power

- 3. Availability of safe places to proceed or tow a Ship in an emergency
- 4. Firefighting competence
- 5. Proximity of other ships
- 6. Fire Ropes

As long as the ship is in the coastal facility, fire ropes will be kept on the bow and shoulder of the ship on the sea side. (In Bulk Liquid Cargo Ships) The eye of the ropes should be lowered to the sea level and the part above the side will be tightened by wrapping the bollard for at leastfive turns. The part of the rope above the side will be taut from the father. A rope that can carrythe rope will be tied just before the eye of the rope and the eye of the rope will be positioned three meters above sea level. While the ship is at the Shore facility, the eye of the rope will be kept at this level at all times.

## **Realization of Emergency Separation**

When all preparations are deemed appropriate, the ship will be started to be removed immediately.

Emergency Separation procedures will be provided by performing the following procedures in order.

A close coordination and cooperation is required between the Coastal Facility, Ship and Port Authority at each stage.

Emergency Separation Procedures are below.

- 1. Alarming
- 2. Vhf, giving information about the emergency via telephone

3. Making the first situation assessment between the ship's captain and the Coastal Facility officer

- 4. Stopping the operation
- 5. Implementation of coastal facility and ship emergency plan measures

6. The worsening of the current situation and the existence of the above emergency separation conditions.

7. Evaluation of the situation between the ship's master, the Coastal Facility officer, the port authority or the Harbor Master, the pilot

- 8 Deciding on an emergency separation
- 9 Notification of environmental facilities and other ships

10. The tugboats are deployed for emergency separation around the ship, complete their preparations and indicate their readiness

11. The captain of the ship completes the preparations for the ship and states that it is ready.

12. Approval of the opening of the release hooks by the authorized person

## CAUTION !

## APPLICATION OF THE SHIP EMERGENCY SEPARATION PROCESS AS A LAST REMEDY

## NOT RELEASE THE SEPARATION HOOKS UNLESS ALL PRECAUTIONS ARETAKEN AND THE ABOVE CONDITIONS Fulfilled.

## **Post Emergency Separation**

After the ship separation process, the ship is towed and the place to be taken is decided and declared,

Transfer / mooring of the ship to the allocated area, accompanied by tugboats or with its own machinery,

Detection of a possible damage or deficiency by examining the Coastal Facility,

Evaluation of the time when the ship and shore facility will be ready for cargo handling again,

Sharing the negativities, if any, that occurred during the emergency departure,

An agreement has been made between the pilotage and tugboat organization and the coastal facility authorities for fire, explosion and similar emergencies that may occur during loading/evacuation.

In accordance with the protocol signed with the authorized company, tugboats with sufficient towing power and number equipped to fight fires according to the weather and sea conditions reach the scene as soon as possible in case of emergency in order to quickly move the ship away from the facility and tow it to a safe point.

## 8.8 Procedures for the handling and disposal of damaged dangerous cargoes and waste contaminated by dangerous cargoes.

#### Waste Collection and Transport

The wastes generated are collected separately in waste bins according to theirtypes, transported and stored appropriately. Wastes generated as a result of maintenance activities are also considered within this scope.

If an additional waste class is determined to the existing waste classes, it isintegrated into the system.

#### **Disposal of Waste**

According to whether the collected wastes are non-hazardous or hazardous wastes, the wastes are sold and removed from the facility with contracted organizations in accordance with legal recovery/disposal methods.

The possibilities of all contractors and carriers within the scope of waste management to transport and/or dispose of wastes with appropriate methods are examined.

If contracting services are received for the transportation, sale and/or disposal/recovery of wastes, it is evaluated in terms of whether they fulfill their legal obligations and the methods of performing waste recycling and disposal operations withoutharming the environment.

It is mandatory to keep all records of waste disposal.

#### **Contaminated Packages;**

These wastes are empty drums. When it occurs, it is left in the contaminated packaging area at the waste site and within the period specified in the legislation, the Environmental Consultancy Firm and the Environmental Management System Officer contact contracted and licensed company and a request is created through the Motat system, by thewaste producer, carrier, and disposal and recycling company. is confirmed. Approved records are stored on the system.

Contaminated Waste; These wastes are used gloves, oakum and workpieces. When it is formed, it is collected in the barrel with the name of the waste at the exit of the production-warehouse and taken to the waste area. Within the period specified in the legislation, the Environmental Consultancy Firm and the Environmental Management System Officer contact the contracted and licensed firm and a request is created through the Motat system, and it is approved by the waste producer, carrier, and disposal and recycling company. Approved records are stored on the system.

#### 8.9 Emergency drills and their records.

#### **Practice Practices;**

In order to be prepared for emergencies within the facility, the personnel in the emergency organization are prepared for their duties with various trainings. Trainings are carried out with the support of specialist organizations when necessary. In this context, the relevant personnel atthe port received IMDG CODE training on Dangerous Goods and was certified. It is planned tocarry out and implement the drills in order to test the adequacy of the emergency plans and to be prepared for real situations, according to the worst scenarios that may occur at the facility.

#### Training Scenarios;

In the exercise planning, the worst scenario is foreseen as a single event or a combination of events that the port may encounter. In line with the prepared scenarios, exercises are implemented in the fastest and most effective way.

## Emergency Drills to be held within the Port's Coastal Facility;

The port is specified in the annual training plans .

It can be planned as a local or general intervention,

Safety, spill etc. can be combined into exercise scenarios,

Drills can be made with or without notice.

The drills are based on various emergency scenarios.

Desserts can be made in practice, as well as in desk, seminar style,

Different time, day, season and event scenarios are prepared for each drill.

## 8.10 Information on fire protection systems.

Emergency and fire equipment are as follows:

Fire Hydrants, Fire Extinguishers, Fire Cabinets and Fire Hoses, Field Fire Alarm Detectors, Electric and Diesel Fire Pumps

The fire inventory is the same as in the emergency plan.

# 8.11 Procedures for the approval, inspection, testing, maintenance and availability of fire protection systems.

## Fire Water Tanks and Fire Water

In order to prevent algae and sludge formed at the bottom or sides of the tank from creating a

hazard during a fire, it should be emptied and cleaned at least once a year. During the emptying of the pools, the intake valve, check valve and filters are maintained.

In case of rapid drops in the water level, the leak location should be investigated and the malfunction, if any, should be corrected due to the possibility of leakage.

As a result of the annual checks to be made, if necessary, internal cleaning andmaintenance should be carried out in closed warehouses.

## **Fire Water Pumps**

**In** addition to the planned maintenance, the issues to be considered regarding theoperation of the fire pumps and the elimination of possible malfunctions are listed below.

It should be checked that the thrust bolts of the shaft seal bearings of the pumps are mutually tight so that the pump can be easily turned by hand. It is normal for water to drip from the packing bearings during the operation of the pump. In order to prevent this water from flowing to the floor, it should be connected to the drainage with a thin pipe from the threaded mouth under the bearing console.

Fire water pumps are operated for at least 1 hour a week and recorded.

It must be ensured that the pump and suction pipe are completely filled with water. If this is suspected, water should be filled by opening the water filling plug and the air intake taps, until the water overflows from the air intake taps, and the plug should be tightened when the water stops at the plug level.

Pump motors will draw more than normal current due to inrush current at the first moment of operation. When all pumps start working at the same time, due to the high current tobe drawn, disjunctors may trip or major malfunctions may occur in the diesel generator. For this reason, the time relays that regulate the transition from star to delta in the protective switches that drive the pump motors should be adjusted according to different and appropriate time intervals according to the number of pumps and the amount of pumps to be activated at thesame time, and the pumps should be activated sequentially.

After the above preparation and controls are done, the pumps are started by pressing the drive switches. During operation, the electric motor voltage and the amperage itdraws should be checked from time to time. If the amp draw is high in normal operation, thecauses should be investigated and rectified. There may be a fault or mechanical stress in the pump or motor. Voltages below normal can pose a danger to the motor.

Manometers should be kept under constant control and one or more of the pumpsshould be stopped in case of excessive pressure rises.

The discharge pipes of the pumps must be equipped with a valve first and acheck valve after the valve.

Check valve in the discharge pipe of the pump that does not work; If the materialssuch as paper, garbage, stone pieces, moss and slime are jammed and prevent the check valve from closing completely, some of the water pumped by the other pumps passes through these inoperative pumps and suction pipes, and is pushed back into the pool. This fault, which restricts the required water flow in the event of a fire, must be eliminated. If a rotation is observed in the couplings of some of the non-operating pumps during the operation of some pumps, it should be considered as an indication of the existence of the above-described fault in these pumps.

It should be ensured that the pump and motor rotate in the right direction duringoperation. For this reason, the direction of rotation must be drawn on the couplings and the control must be done accordingly.

During the operation of the pumps, the temperature of the pump and motor bearings can be hot enough to withstand the hand. If the temperature is high, it may be due to internal mechanical stress or coupling misalignment. In such cases, the pump must be stoppedimmediately and the fault must be corrected.

In pumps driven by a diesel engine, the engine must be started in accordance with the special instructions.

If any deficiencies or malfunctions are detected as a result of the control, they arecorrected by the responsible persons.

#### **Sprinkler Installation**

The most important point to be considered and the maintenance to be done in the sprinkler installation is to prevent the sprinkler heads from clogging. To ensure this, the sprinkler must be operated in accordance with the standards/legislation and it must be ensuredthat it is in working order. Sufficient sprinkler heads should be kept as spares in each facility, and in case of a failure, they should be replaced with new ones, and the defective ones should be repaired and backed up.

#### **Fire Hydrant Installation**

Rain water should be prevented from entering the fire hydrant hose cabinets, the hoses should be intact, strong and tightened sufficiently. At least one of the hoses should alwaysbe kept connected to the fire valve.

Fire valves must be fault-free and leak-proof. Defective nozzles, valves, hoses will be promptly replaced with new ones, and faults should be repaired and backed up. For this reason, a sufficient amount of hoses, nozzles, fire valves, clamps, couplings and spare materials should be available in each facility. In the fire installation, it is not allowed to wait for the fault for any reason.

While the malfunctions detected following the drills are eliminated, the working fire hoses should not be placed in the cabinets when they are wet and contain water. Facilities should provide suitable hose hanger assemblies to completely drain and dry the water inside thehoses and should not put them back in place without making sure that the hose is thoroughly dried. If sea water has been pumped with hoses, they must first be washed with fresh water and dried in a cool-windy place.

All pipes of the fire hydrant and sprinkler installation should be inspected every three months, rusted parts must be painted, rotten parts must be replaced with new ones, valvesand check valves must be checked and faults must be corrected.

If any deficiencies or malfunctions are detected as a result of the inspection of allfire hydrants, hoses and nozzles, they are repaired by the relevant responsible persons.

#### **Portable Fire Extinguishers**

Sufficient spare devices should always be available in plant warehouses for malfunction, control or maintenance. For the above-mentioned purposes, spares should be put in place of the extinguishers taken from their place in order.

All fire extinguishers are eye-examined and checked on a monthly basis. After thecontrol, the extinguishers are marked. During the control, especially dry powder extinguishers are turned upside down and tapped lightly on the base, thus allowing the powder in the tube to move. Otherwise, the powder inside the extinguishers, which remain in the same position for a long time, may settle to the bottom and solidify. If any deficiencies or malfunctions are detected as a result of the control, they are corrected by the relevant responsible persons.

Fire extinguishers are subject to a general control once a year, according to the TSISO 11602-2

Fire Protection: Portable and Wheeled Fire Extinguishers standard. Fire extinguishers are tested by the relevant company at intervals not exceeding 1 year, and chemicalpowder is checked at the end of the 1st year.

## **Frost Protection**

#### **Protection of Generators**

**When** the outside temperature drops below +4C in winter, the water may start tofreeze. For this reason, the radiators of generators with water-cooled engines should be secured with antifreeze.

#### Protection of Fire Water Pumps

Fire water pumps and suction pipes are always filled with water. Therefore, the ambient temperature should not fall below +4C.

#### **Protection of Fire Water Distribution Pipes**

The exposed main and branch pipes must be protected against freezing up to the hydrant taps. Therefore, the lines are protected against freezing either by means of insulation orby laying them underground.

#### 8.12 Precautions to be taken in cases where fire protection systems do not work.

Facility fire fighting equipments are systems that back up each other and are installed as alternatives to the other.

In cases where the facility's own fire fighting equipment does not work or isinsufficient, the support of neighboring facilities, Fire Brigades and AFAD Units will be requested.

It is ensured that other dangerous and flammable materials/vehicles that are likelyto be affected by fire are removed from the area, if possible.

The conditions under which assistance and support will be provided, and It may be necessary to

make a protocol that determines the scope.

Marine firefighting tugboats or marine vehicles in the Regioncapabilities should also be taken into account.

## 9. OCCUPATIONAL HEALTH AND SAFETY

#### 9.1 Occupational health and safety measures.

The Port Facility Management is obliged to take all necessary measures to prevent the employees from being affected by these substances when working with hazardous chemical substances, to minimize this if it is not possible, and to protect the employees from the dangersof these substances.

#### Risk assessment

The Port Facility Management, in order to determine whether there is dangerous chemical substance in the port facility and to determine the negative effects in terms of health and safety of the employees, in case of dangerous chemical substance, published in the OfficialGazette dated 29/12/2012 and numbered 28512. It is responsible for making a risk assessment in accordance with the provisions of the Safety Risk Assessment Regulation.

In the risk assessment to be made in working with chemical substances, thefollowing points are

particularly taken into account:

Hazards and damages of the chemical substance in terms of health and safety.

Turkish material safety data sheet (SDS) to be obtained from the manufacturer, importer or seller.

Type, level and duration of exposure.

Amount of chemical substance, conditions of use and frequency of use.

Occupational exposure limit values and biological limit values given in the annexes of this Regulation.

The effect of preventive measures taken or to be taken.

Results of previous health surveillance, if any.

In works with more than one chemical substance, each of these substances and their interactions with each other .

Port Facility Management obtains additional information required for risk assessment from the supplier or other sources. This information also includes special riskassessments of chemicals, if any, included in the current legislation for users.

A new activity involving dangerous chemicals can only be started after taking all kinds of precautions determined by risk assessment .

Precautions to be taken when working with dangerous chemical substances

- Risks in terms of health and safety of employees working with hazardous chemical substances are eliminated or minimized by the following measures:

- Appropriate arrangement and work organization is made at the port facility.

- Working with dangerous chemicals is done with a minimum number of employees.

- It is ensured that the amount of substances that the workers will be exposed to and the exposure times are at the minimum level possible.

- The amount of chemicals to be used in the port is kept to a minimum.

- Workplace buildings and annexes are kept neat and clean at all times.

- Appropriate and sufficient conditions are provided for the personal cleaning of the employees.

 Necessary arrangements are made for the most appropriate processing, use, transportation and storage of hazardous chemicals, waste and residues at the Port facility.

By applying the substitution method, a non-hazardous or less dangerous chemical substance is used in terms of the health and safety of the employees instead of the dangerous chemical substance. If the substitution method cannot be used due to the nature of the work, therisk is reduced by taking the following measures according to the result of the risk assessment and in order of priority:

– Appropriate process and engineering control systems are selected and appropriate machinery, materials and equipment are used in working with hazardous chemicals, including maintenance and repair works that may pose a risk to the health and safety of employees, and taking into account technological developments.

- In order to prevent the risk at its source; Collective protection measures such as proper work organization and establishment of adequate ventilation systems are implemented.

- In cases where the measures taken for the collective protection of employees from the negative effects of hazardous chemicals are not sufficient, personal protection methods are applied together with these measures.

Adequate control, supervision and surveillance is provided to ensure the effectiveness and continuity of the measures taken.

The Port Facility Management ensures that the chemical substances that may posea risk to the health of the employees are regularly measured and analyzed. These measurements are repeated when there is any change in the conditions that may affect the exposure of the workers to the chemical substances in the port facility. The measurement results are evaluated by taking into account the occupational exposure limit values specified in the annexes of this Regulation.

The Port Facility Management also considers the specified measurement results. In every case where occupational exposure limit values are exceeded, the Port Facility Management takes protective and preventive measures to eliminate this situation as soon as possible.

- Without prejudice to the provisions of the Regulation on the Protection of Employees from the Dangers of Explosive Environments published in the Official Gazette dated 30/4/2013 and numbered 28633, the Port Facility Management, based on the risk assessment results and risk prevention principles, In order to protect it from dangers, it takes technical measures and makes administrative arrangements in accordance with the following priority order, in accordance with the nature of the work performed, including the processing, storage, transportation of these substances and the prevention of contact of chemical substancesthat may affect each other:
- In the port facility, dangerous concentrations of flammable and explosive substances and chemically unstable substances are prevented from being present in dangerous quantities. If this is not possible,
- The presence of ignition sources that may cause fire or explosion in the portfacility is prevented. Conditions that may cause harmful effects of chemically unstable substances and mixtures are eliminated. If this is not possible,
- Necessary measures shall be taken to prevent or minimize the harm to employeesfrom the harmful physical effects of fire or explosion caused by flammable and/or explosive materials or chemically unstable substances and their mixtures.

The design, manufacture and supply of protective systems provided for the protection of work equipment and employees are carried out in accordance with the legislation in force in terms of health and safety. The Port Facility Management ensures that all equipment and protective systems to be used in explosive atmospheres comply with the provisions of the Regulation on Equipment and Protective Systems Used in Possible Explosive Environments (94/9/AT) published in the Official Gazette dated 30/12/2006 and numbered 26392 4 repeated.

Arrangements are made to reduce the effect of burst pressure.

It is ensured that the facility, machinery and equipment are kept under constant control.

Minimum safety distances are observed in the placement of storage tanks withliquid oxygen, liquid argon and liquid nitrogen in workplaces.

#### **Emergency situations**

Port Facility Management, without prejudice to the issues stated in the Regulationon Emergency Situations at Workplaces published in the Official Gazette dated 18/6/2013 and numbered 28681, in emergency situations that may arise from dangerous chemicals in the port facility, the following issues are particularly taken into account:

Preventive measures to reduce the negative effects of emergencies are taken immediately and employees are informed of the situation. Necessary work is carried out to ensure that the emergency situation returns to normal as soon as possible, and only employees assigned in emergencies for maintenance, repair and mandatory works and teams from outside the workplace are allowed to enter the scene. Persons who are allowed to enter the affected area are given appropriate personal protective equipment and special safety equipment and are provided to use them as long as the emergency continues. Persons without appropriate personal protective equipment and special safety equipment are not allowed to enter the affected area.

Information on hazardous chemicals and emergency response and evacuation procedures are available for use. Employees assigned in emergencies at the port facility and organizations operating in areas such as first aid, emergency medical intervention, rescue and firefighting outside the workplace are provided with easy access to this information and procedures. This information;

- The hazards, precautions to be taken and the work to be done so that the employees assigned in emergencies at the port facility and the organizations operating outside the workplace such as first aid, emergency medical intervention, rescue and fire fighting can beready in advance and make appropriate interventions,
- Information about the special hazards and the work to be done in an emergency,

## Training and informing of employees

The Port Facility Management provides the training and informing of the employees and representatives, without prejudice to the issues specified in the Regulation on the Procedures and Principles of Occupational Health and Safety Training of Employees dated15/5/2013 and numbered 28648. These trainings and briefings include in particular the following:

Information obtained as a result of risk assessment.

- Information on the identification of dangerous chemical substances present orthat may arise in the port facility, health and safety risks, occupational diseases, occupational exposure limit values and other legal regulations.
- Necessary measures and actions to be taken so that employees do not endangerthemselves and other employees.
- Information on material safety data sheets in Turkish provided from the supplier for hazardous chemicals.
- Information on labeling/locking in accordance with the legislation on sections, containers, piping and similar installations containing hazardous chemicals.

The training and information to be given to the employees or their representatives in working with hazardous chemicals will be in the form of training supported by verbal instructions and written information, depending on the degree and nature of the risk arising as aresult of the risk assessment. This information is updated according to changing conditions.

## 9.2 Information on personal protective clothing and procedures for using them.

## Level A

Area of use : Events requiring high level of protection of skin, respiratory, eye etc. - Gas-tight.

Positive pressure Scuba Breathing apparatus – SCBA

Fully protective clothing against chemicals

Gloves, chemical resistant inside

Glove, outside chemical resistant

Boots, chemical resistant, steel heels

Underwear, cotton, long sleeves and long legs

Hard Head

long sleeve

Two-way radio communication (Non-Sparking)

## Level B

Minimum level required for entry and exit to the scene, but rather for spillage of liquids.

Positive pressure Scuba Breathing apparatus - SCBA

Chemical protective clothing

Gloves, chemical resistant inside

Glove, outside chemical resistant

Boots, chemical resistant, steel heelsHard Head

Two-way radio communication (Non-Sparking)

Face mask

## Level C

It is used when the chemical in the environment is known, the concentration is determined, and it is decided that the skin and eyes will not be harmed. However, continuous measurement should be made.

→Full mask, air-purifying filter

- $\rightarrow$  Protective clothing against chemicals
- $\rightarrow$ Gloves, chemical resistant inside
- $\rightarrow$ Gloves, chemical resistant on the outside
- $\rightarrow$ Boots or boots, chemical resistant, steel heels
- $\rightarrow$ Hard Head
- $\rightarrow$ Two-way radio communication (Non-Sparking)
- $\rightarrow$ Face Mask

## Level D

Work clothes (emergency responders). Requires long sleeves and safety shoes/boots. Other Personal protective equipment varies according to the situation. If there will be a problem incontact with the skin, such clothes should not be entered into the scene.

#### 9.3 Confined space entry clearance measures and procedures.

Areas with a limited volume that are completely or partially enclosed, with a limited amount of air and designed as a workplace are called "closed environments". Areas with restricted entrances and exits that are not designed for continuous operation are considered closed areas.

The places listed below are defined as closed areas.

- Wells
- Manholes
- Tunnels
- Silos
- Channels
- Open Pits and Pools
- Cold Storage Areas and Warehouses
- Warehouses and Tanks

Generally, confined spaces are not designed for continuous work by employees. There are not enough working areas large enough for employees to enter and work in these areas. Therefore, in these places where the movement area is restricted, natural air movements cannot be ensured, and dangerous atmospheric environments are formed.

Hazards in confined spaces; It is caused by the changes in the atmospheric conditions of the environment, the emergence of gases and poisons in dangerous amounts or concentrations, the formation of explosions and fires, the occurrence of dents and collapses.

Hazards can generally arise from the following sources:

- · Gases or vapors that can cause fires or explosions,
- Oxygen deficiency that may cause suffocation,

• Hazard to health by contact, absorption through the skin or ingestion, inhalation or leakage through open wounds,

- Potentially toxic, corrosive, irritating, flammable or hot substances,
- Increase in water flow or level (for example, after heavy rain or flood),
- Microorganisms or their metabolic products that can cause infections,
- Radioactive materials

#### **Oxygen Deficient Environment**

Oxygen deficiency in a closed space can occur either as a result of consumption or as a result of the replacement of oxygen with another gas. Oxygen consumption occurs during the combustion of flammable materials (such as heating, welding, cutting, etc.). The most important oxygen consumption is in bacterial formations. The most striking example of this is fermentation. The second source of oxygen deficiency is the replacement of O2 gas with another gas, as mentioned before. Such gases are helium, argon, and nitrogen. In addition, CO2 gas, which can naturally occur in sewer channels, stock silos, wells and tunnels, also shows the same feature.

#### **Toxic Environment**

The most common gases encountered in toxic environments are carbon monoxide (CO),

Hydrogen sulfide (H2S), Hydrogen cyanide (HCN), Nitrogen Oxide (NOx), Sulfur dioxide SO2, etc. can be listed as. Such gases generally arise as a result of the chemical reactions of the substances in the environment and at the same time make the oxygen insufficient. We can call these gases, which emerge in closed environments and affect employees, as chemical suffocating gases.

#### **Explosive and Flammable Environment**

The mixture of gas, vapor, fog and dust of flammable materials with air under atmospheric conditions and which can burn completely in contact with any ignition source is called explosive atmosphere.

For fire to occur, three elements must come together. These are Oxygen, Combustible substance (fuel), Triggering source (static electricity, spark, etc.). However, in order to distinguish the possible explosion from fire in closed areas, the combustible material must be in powder form, there must be a suspended substance-dust cloud and it must have a closed environment.

#### Measures to be Taken in Closed Areas

The first of the measures to be taken in closed areas is to avoid the work to be done if possible. However, if the necessity of working in closed areas has become mandatory, there are many precautions before starting the work, during and after the work. When these measures are applied holistically, a safe working environment is established for the employees.

#### **Entry-Permission System in Closed Areas**

Written work permit should be requested for the works that will seriously endanger the health and safety of the employees in the working places. These include entry to the closed environment and the work done here, the work done under electrical voltage, etc. We can think of it as

The work permit system is often an important part of safe work systems for many maintenance activities. When work permit forms are used, it is ensured that the work is carried out under the necessary safety precautions, and a clear record is kept that all foreseeable hazards related to the work to be done have been taken into account, thanks to the forms. The work permit system also helps to establish communication between the relevant persons.

A system of procedures and precautions should be established and followed before any employee enters a confined space requiring a permit. It is imperative to know the characteristics of this place well for supervisors, supervisors (observers) and those who will work in the field. Having the right equipment on hand to ensure worker safety is also critical. The following procedure must be followed to enter the confined space:

In order to provide a safe working environment in closed areas, the business manager/chief who approves the entrance permit should determine such a need by making the necessary examination for the work to be performed. If the work is absolutely necessary, it should give permission to work in a closed environment. Persons authorized to enter should be equipped with "gas measurement", "appropriate ventilation", "removing and lowering the equipment of the employees", "communication" and control, the use and reliability of which are approved.

After the work is finished, it should be checked and, as a result, the work entry permit in closed areas should be terminated.

#### **Ambient Air Precautions**

Fatal occupational accidents occurring in closed environments are mostly caused by the inconvenience of atmospheric conditions. It is essential to provide suitable ambient air for the working areas. First of all, it is necessary to identify the risks that cause non-compliance.

Atmospheric measurements must be made before entering the working areas. Gases and vapors in the environment should be detected. These measurements should be carried out by a trained person with a properly calibrated appropriate gas detection device. First of all, measurements should be made as indicated in the following order.

- The amount of oxygen gas in the environment should be measured
- Detection of flammable-explosive gases and vapors in the environment,
- · Measurement of toxic gases in the environment

#### **Precautions Regarding Oxygen Level**

The normal level of oxygen in the environment we breathe is 20.9%. Regarding this concentration, the allowable lower limit accepted by the whole world is 19.5% and the upper limit is 23.5%. It should be determined whether the amount of oxygen gas is between the lowest safe level (19.5%) and the highest safe level (23.5%).

If the oxygen concentration rises above 23.5% by volume, this atmosphere is considered to be enriched in oxygen and tends to behave unstable. As a result of the enrichment of oxygen, the probability and severity of ignition or explosion increase significantly. If there is no safe oxygen level in the closed area where we will work, adequate and appropriate mechanical ventilation systems must be installed (Figure 7). Since ventilating the environment with pure oxygen will significantly increase the risk of fire or explosion, if the ventilation system is to be used, it should be done with atmospheric air. In addition, in the Regulation on Health and Safety Measures to be Taken in Workplace Buildings and Attachments, the ventilation of indoor workplaces is specified as follows:

- It is ensured that there is sufficient fresh air to be needed by the employees in closed workplaces. In determining the sufficient air volume, the working method, the number of employees and the work done by the employees are taken into account.
- It is ensured that wastes and residues that can harm the health of the employees by polluting the working environment air are immediately thrown out. A mechanical (forced) ventilation system is installed separately from the general ventilation system in a form and quality that will remove suffocating, poisonous or irritating gas, dust, mist, smoke and bad odors from the environment.
- When the mechanical ventilation system is used, it is ensured that the system is always operational. If the ventilation system does not work and is dangerous in terms of occupational health and safety, a control system is established to notify the malfunction. The maintenance and repairs of mechanical and general ventilation systems, as well as the use and replacement of appropriate filters, are made annually by authorized persons.
- In passive (artificial) ventilation systems, it is ensured that the air flow does not disturb the employees, does not adversely affect the physical and psychological conditions of the employees, and does not create a sudden and high temperature difference.

The physical conditions and conditions of the work, if ventilation is not possible or the ventilation is insufficient, the employees authorized to enter must be provided to enter closed areas by using self-contained breathing apparatus.

#### Measures Regarding the Level of Flammable-Explosive Gases and Vapors

Flammable gases and vapors in closed areas pose a risk of explosion or fire. Although these gases or vapors do not pose a risk on their own, they can create an explosive atmosphere if combined with sufficient oxygen and ignition source. In order for such gases and vapors to cause explosion, they must have a value between the lower and upper explosion limits.

The ideal situation for indoor work is that the LEL value is zero. In this case, hot and/or hot work permits may be granted inside. Before the entry permit is granted, ventilation must be done and flammable materials must be removed from the environment.

If explosive gases, vapours, mists or combustible dusts that may cause an explosion hazard arise, whether intentionally or unintentionally, they must be properly diverted or removed to a safe location, and if this is not practicable, other appropriate measures must be taken to prevent their spread.

Concentrations around the facility can be monitored with gas detection and alarm devices. The following are key priorities for the use of these alarms:

- In the possible presence of substances, the location of the weld, the maximum weld strength and dispersion conditions should be sufficiently known.

- Features of the device such as response time, alarm level and cross-sensitivity should be suitable for the conditions of use.

- The location and number of prevention points should be chosen so that the expected mixtures can be detected quickly and reliably.

- With the device being effective, it should be known which areas are risky until protective measures are taken. In these emergency areas - depending on the above - ignition sources should be avoided.

If it is not possible to prevent the formation of a dangerous explosive atmosphere, its ignition must be prevented. This can be achieved by protective measures to reduce possible sources of ignition or prevent combination with explosive atmosphere.

If there is a potential risk of explosion in a workplace, it indicates the necessity of the work organization to meet certain needs. Organizational measures must be taken in places where technical measures alone are not sufficient and in the workplace where explosion protection cannot be maintained.

The following organizational measures should be implemented:

- A comprehensive risk assessment should be made about the place where the work will be done.
- An explosion protection document should be created;
- Employees should be trained in explosion protection;
- Ensure that employees are sufficiently qualified;

• Work entry permit system should be applied in hazardous works specified in the explosion protection document;

- There should be ongoing maintenance and inspection in the working environment;
- Hazardous areas should be marked where necessary.

## **Precautions Regarding Toxic Gas Level**

Toxic gases can cause damage from simple injuries to death if ingested, swallowed, inhaled or absorbed through the skin. While working in closed areas, hazards related to gases may be present in the environment before the work starts, or may occur later on through the materials, machinery and equipment used during the work. Especially in the cleaning works carried out in sewers and tanks, the possibility of hydrogen sulfide gas is very high due to the displacement of sediments and masses. In addition, as the grains in the silos are fermented, it is possible that the oxygen ratio in the environment will decrease and toxic gas may be released.

In order to combat toxic gas in closed environments, the exposure values of the gases and vapors that may occur should be known.

#### **Precautions During Working and Use of Personal Protective**

It should never be worked alone in closed areas, and second persons must be present as assistants outside the closed area. These people, whom we can call supervisors or supervisors, must control security at every stage.

Employees who will enter the closed area must have received occupational health and safety training appropriate for the job they will do. Employees who know the risks they will face and understand what to do in an emergency can overcome the dangers during working in closed environments.

Before starting to work in closed areas, wastes from current or previous work must be cleaned. In order to take precautions against the risks related to the ambient air, first of all, the ambient air should be measured and if necessary, the ventilation system should be established.

A device that can cut off the entry of power, gas and other substances into the closed environment should be available.

Personal Protective Equipment groups that can be used in closed areas are listed below;

- Head Protectors
  - Protective helmets
- Ear Protectors
  - Full Acoustic Helmet
- Eye and Face Protectors
- Respiratory System Protectors
  - Air-supplied Breathing Devices
  - Self Fresh Air Supply Breathing Devices (SCBA)
- Body Protectors
  - Fall arrest equipment (with all necessary accessories)
  - Equipment that can hold the body in space (paratrooper belt)
  - Dustproof clothing

Gas-tight clothing

Apart from these, oxygen self-rescuer (OFK) and multiple gas measuring devices can also be used in the works in the closed areas of the employees. Air-supplied respirators should be used when it is determined in gas measurements and evaluations that the harmful gases and vapors in the ambient air are above the Maximum Permissible Concentration (MAK) value for employees.

## 10. OTHER MATTERS

## **10.1** Validity of Dangerous Goods Conformity Certificate.

## **10.2** Duties defined for Dangerous Goods Safety Advisor.

The main duty of the consultant, under the responsibility of the business manager, is to assist in the execution of these activities in the safest way, in accordance with the applicable obligations, with appropriate tools and actions within the relevant activity limits of the business in question.

## In terms of activities within the business, the specific duties of a consultant are:

- Monitoring compliance with the requirements for the carriage of dangerous goods;

- Providing suggestions to the business regarding the transportation of dangerous goods;

- Preparing an annual report to the management of the enterprise, or to a local public institution, on the activities of the business within the scope of the transportation of dangerous goods.

Preparing quarterly reports to be submitted to Port Authorities.

- Accompanying DGCC Audits.

# The duties of the consultant also include monitoring the following practices and methods related to the relevant activities of the enterprise;

- Compliance procedures with the requirements governing the identification of dangerous goods transported;

- Whether the entity has taken into account the special requirements regarding the dangerous goods transported when purchasing means of transport;

- Used in the transport, packaging, filling, loading and unloading of dangerous goodsequipment control procedures;

- Appropriate training of employees of the enterprise, including changes in legislation, andkeeping records of such training;

- In the event of an accident or an event affecting safety during the transport, packaging, filling, loading or unloading of dangerous goods, appropriate emergency

implementation of procedures;

- During the transport, packaging, filling, loading or unloading of dangerous goods investigating serious accidents, incidents, or serious violations that occurred; and preparation of reports when necessary;

- Take the necessary measures against the reoccurrence of accidents, incidents or serious violations.

its implementation;

- Dangerous in the selection and use of subcontractors or third parties

the extent to which legal rules and special requirements regarding the transport of goods aretaken into account;

- Sending, transporting, packaging, filling, loading or unloading dangerous goods

Detailed information on operational procedures and instructions of employees involved in the evacuation

verifying that they have the information;

- Taking measures to be better prepared for the risks involved in the transport, packaging, filling, loading or unloading of dangerous goods;

- Documents and safety equipment required during transportation, implementation of verification procedures to ensure that compliance of equipment with regulations;

- Implementation of verification procedures to ensure compliance with the requirements governing packaging, filling, loading and unloading;

- Availability of the security plan specified in 1.10.3.2.

## 10.3 Issues regarding those carrying dangerous goods that will arrive/leave the coastal facility by road

(Documents required to be kept by road vehicles carrying dangerous goods when entering/exiting the port or coastal facility area, equipment and equipment these vehicles must have, speed limits in the port area, etc.).

#### **Documents required**

Dangerous Goods Declaration, Dangerous Goods Transport Waybill, Multi-Mode Dangerous Cargo Form, Dangerous Cargo Manifest, Packaging and Container/Vehicle Loading Certificate

#### Safety Data Sheet,

Transport document showing exemption for transports within the scope of ADR/RID/IMDGCode 3.4 and 3.5, transport document showing exemption for transports within the scope of ADR 1.1.3.6,

Valid and suitable SRC 5 certificate for transport within the scope of ADR, ADR written instruction, Vehicle Conformity Certificate suitable for transport and valid, Transport document

#### **Speed Limit in Coastal Facility**

The speed limit in our Coastal Facility is 20 Km.

10.4 Issues regarding those carrying dangerous goods that will arrive/leave the coastal facility by sea (Day/nightsigns to be displayed by ships and sea vehicles carrying dangerous goods at the port or coastal facility, cold and hot working procedures on ships, etc.).

#### Arrival by Sea

Dangerous Liquid Bulk Cargoes:

Ship's name and ship's IMO number, agency and ETA are normally notified to the Shore Facility no later than 24 hours prior to arrival.

A list showing the product name of the dangerous goods and other information required by the relevant IMO Rules is notified to the Coastal Facility by the agency.

For the cargo, a valid International Certificate of Conformity for the Bulk Transport of Hazardous Chemicals or a valid Certificate of Conformity for the Transport of Hazardous Bulk Chemicals, as appropriate, the International Pollution Prevention Certificate for the Carriage of Liquid Bulk Substances Harmful to Health (NLS Certificate), and / or theInternational Fuel Pollution Prevention Certificate must be kept on board;

Dangerous cargoes to remain on board should be indicated by referring to theirnumbers in the list;

Any known defect that may affect the safety of the port area or the ship isreported. Additional information that can be submitted to the port administration before dangerous goods are brought to or removed from the port area are specified in ISPS Code PartB.

## Movement by Sea

#### Dangerous Liquid cargoes:

As required by regulatory committees, the name of the ship and the IMO number of the ship, the agency and the estimated time of departure (ETD) should be reported to the Port Authority by the agency.

A list showing the product name of dangerous liquid cargoes and other information required by the relevant IMO rules should be submitted to the Port Authority by theagency.

For the cargo, an International Certificate of Conformity for the Transport of Hazardous Bulk Chemicals or a valid Certificate of Conformity for the Carriage of Hazardous Bulk Chemicals, whichever is appropriate, the International Pollution Prevention Certificate for the Carriage of Liquid Bulk Substances Harmful to Health (NLS Certificate) and/ or the International Fuel Pollution Prevention Certificate must be on board;

Stacking or location of dangerous goods on the ship should be kept on boardwithin the plan.

## 10.5 Additional matters to be added by the coastal facility.

## **ATTACHMENTS:**

- 1- General site plan of the coastal facility
- 2- General view photograph of the coastal facility
- 3- Emergency Contact Points and Contact Information
- 4- General Layout of Areas where Dangerous Goods are Handled5- Fire Plan of the Areas where

#### Dangerous Goods are Handled

- 6- General Fire Plan of the Facility
- 7- Emergency Plan
- 8- Emergency Assembly Places Plan
- 9- Emergency Management Chart
- 10- Dangerous Goods Handbook

11- Inventory of Port Service Ships

12- Sea coordinates of the administrative borders of the Port Authority, anchorage areas and the pilot's disembarkation/embarkation points

- 13- Emergency response equipment against marine pollution in the coastal facility
- 14- Personal protective equipment (PPE) usage map
- 15- Dangerous cargo events notification form
- 16- Other required annexes
  - 16-1 MFAG Chart
  - 16-2 EmS
- 17- Dangerous Goods Handling Guide Additional Cargo Notification (When necessary)

This guide is the Dangerous Cargo Handling Guide Implementation Instruction No. E- 63137251-010.07.01-281879 dated 20.04.2022, Directive on the Arrangement of the Coastal Facility Dangerous Cargo Conformity Certificate published with the Minister's Approval dated31/5/2022 and numbered 330837, IMDG CODE, MSC.1/Circ.1216 and ERG 2012 documents were consulted and prepared using the information.

Hazardous Substance Security Consultant Coastal Facility Officials

Facility Dangerous Matter Security Of Your Advisor Facility Authority