



TRABZON PORT MANAGEMENT INC.

HAZARDOUS GOODS GUIDE



PREPARATION DATE: 10.05.2016

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Emin BİLGİN





Deputy General Manager


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REVISION PAGE

No	Revision Number	Content of Revision	Date of Revision	Filled by	
				Name Surname	Signature
1	1	Updating, Addition of additional procedures	08.12.2016	Atakan KARABAKI	
2	2	Updating	01.09.2017	Atakan KARABAKI	
3	3	Addition of dangerous liquid bulk cargoes	31.08.2018	Atakan KARABAKI	
4	4	Updated based on date 29.04.2022 and no 331485 Port Authority's letter	25.05.2022	Atakan KARABAKI	
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1. INTRODUCTION

1.2 FACILITY INFORMATIONS FORM

1	Facility Manager Name	TRABZON PORT MANAGEMENT INC.		
2	Communication Informations	Adress: İskenderpaşa Mah. Rıhtım Sokak No:13 61100 Ortahisar/TRABZON Tel: 04623776050-60 Fax: 04623221004 email: atakan.karabaki@trabzonport.com.tr web: www.trabzonport.com.tr		
3	Facility Name	PORT OF TRABZON		
4	City	TRABZON		
5	Communication Informations	Adress: İskenderpaşa Mah. Rıhtım Sokak No:13 61100 Ortahisar/TRABZON Tel: 04623776050-60 Fax: 04623221004 email: atakan.karabaki@trabzonport.com.tr web: www.trabzonport.com.tr		
6	Geographical Region	East Blacksea Region		
7	Headquarter of the port and Communication Informations	Trabzon Headquarter of the port İskenderpaşa Mah. İskele Cad. Liman İçi 61100 TRABZON (0 462) 321 10 73		
8	Municipality and Communication Informations	Ortahisar Belediyesi Gülbaharhatun Mahallesi Kahramanmaraş Caddesi No:201 (Nearby Varlıbaş Mall) Tel : +90 462 233 61 00		
9	Free Zone or <u>organized industrial site</u>	-		
10	Validity Date of Working Permit	28.09.2022		
11	Statute of Facility Activity (X)	Own load and addition 3rd party	Own load	3rd party (X)
12	Name Surname Communication Details of Facility Manager	H. Muzaffer ERMIŞ General Manager Tel: 0462 377 60 50 – 60 Fax: 0462 322 10 04		
13	Hazardous Good Manager's Name Surname and Communication Details	Emin BİLGİN Deputy General Manager Tel: 0462 377 60 50 – 60 Fax: 0462 322 10 04		
14	Hazardous Good Security Consultant's Name Surname and Communication Details	Kutay KARANİS Gsm: 0544 946 85 31 kutaykaranis@outlook.com		
15	Facility Sea Coordinates	41°00'29"N - 39°45'00"E 41°00'18"N - 39°44'53"E		

16	Types of Hazardous Goods which is handling (MARPOL Ek-1, IMDG Kod, IBC Kod, IGC Kod, IMSCB Kod, Grain Kod, TDC Kod kapsamındaki yükler ile asfalt/bitüm ve hurda yükleri)	All packaged dangerous goods excluding Class 1, Class 6,2, Class 7 Bulk Cargo Scrap Loads Fumigated Loads Dangerous Liquid Bulk Cargoes
17	Dangerous goods	Some of them; SODIUM CYNAIDE SOLID UN: 1689 (6.1) (Packaged Dangerous Cargo) SODIUM CYNAIDE SOLUTION UN: 3414 (6.1) (Packaged Dangerous Cargo) FISHMEAL UN: 1374 (4.2) (Dangerous solid bulk Cargo) Asphalt Fish Oil 6.1, 4.2, 4.3, 3
18	Classes	Coal B (and A) Lead Concentrate A Zinc Concentrate A
19	Groups	Ferryboat/Passenger, Ro-Ro, General Cargo, Bulk, Container, Bulk barge, Vessel(not ship), Special purpose ship(not radiation and chemical), Chemical tanker Oil Product Tanker
20	Types of the vessels which comes to the port	
21	Distance to main road (km)	0
22	Distance to railway (km) or connection (There is/not)	There is no connection with railway
23	Closest airport's name and distance to the port (km)	AIRPORT OF TRABZON 3,9 km
24	Capacity of handling (Tone/year; TEU/Year; Vehicle/yaer)	10 millions/year 350.000 TEU/yıl 200.000 vehicle/year
25	Is there scrap handling?	Yes
26	Is there border crossing? (Yes/No)	Yes
27	Is there bonded area? (Yes/No)	Yes
28	Handling Equipments and Capacities	10 pcs dock crane, 2 pcs kont mobile crane, 7 pcs mobile Crane with tire,

		4 pcs crawler mobile Crane, Handling Capacity: 10.000.000 tones/year	
29	Storage Tank Capacities (m ³)	6.000 m ³	
30	Outside storage area (m ²)	250.000 m ²	
31	Semi closed storage area (m ²)	-	
32	Closed storage area (m ²)	23.585 m ²	
33	Dedicated Fumigation area	Yes	
34	Marine towing and Pilotage Provider's name	Trabzon Port Management Inc.	
35	Is there security plan?	Yes	
6	Waste Receiving Facility Capacity	Waste Type	Capacity (m ³)
		Bilge water	65 m ³
		Waste oil-Sludge	100 m ³
		Garbage	15 m ³
		Sewage	12,5 m ³
37	Quay Speciality		

Number	Quays	Lenght (m)	Width (m)	Min. Water Depth (m)	Max. Water Depth (m)	Max. Vessel Tonnage (DWT or GRT)
1	1st quay	30	35	9.30	10.00	300 GT
2	2st quay	400	15-30	9.30	10.30	25.000 GT
3	3rd quay	580	120-170	9.30	10.30	26.000 GT
4	Ro-ro quay	25	142	9.30	10.30	25.000 GT
5	4th quay	290	133-142	11.30	12.30	52.000 GT
6	5th quay	200	25	2.50	4.50	1.000 GT
7	6 th quay	120	23	2.00	2.50	500 GT
8	7 th quay	300	15-140	5.00	6.00	5.000 GT
9	8 th quay	290	30-40	5.00	6.00	5.000 GT

CLARIFICATION:

- 4- It can be increase or decrease on GRT according to vessel type.
- 5- Generally 2nd quay is used for Cruise ships but 3 and 4th quays is used for extraordinary situations till 90.000 GRT
- 6- Bulk animal oil is handled on 2nd, 4th and 7th quays.

1.2. HANDLING AND STORAGE PROSEDURE

The Dangerous Loads Procedure regarding to the dangerous goods which is handled at the port is at attached (Attachment-21).

2. RESPONSIBILITIES

According to Transporting Hazardous Goods On Seaway Regulation's 11. Item;

Vessels is berthed and moored proper, secured.

It's proper and secured the enter-exit system which is between vessel and quay

The staff which is working on handle hazardous goods is took necessary trainings. (IMDG Code Training and HSE Training)

Hazardous goods is handled and carried by staff who is proper and trained staff.

Load owner provide all documents, informations about hazardous loads.

All hazardous loads on port site is registered.

Port staff is trained for hazardous loads risks, health&safety preventions, safe working, emergency precautions and similar issues.

Hazardous loads which comes to the port is controlled.

If there is a hazardous load accident port authority will be informed.

On oficial authorities's checks we assist them.

The vessels which carry hazardous loads can't berth without Port Authority's permit.

3. RULES AND PRECAUTIONS CARRIED OUT BY THE PORT

- i) Hazardous Goods comes and stocked according to regulations. There is site which is necessary to stock hazardous goods in the port.
- j) Hazardous Goods be packed and includes sticker which describes hazardous goods. Port of Trabzon doesn't make any labelling.
- k) The staff who works on handling use protective equipments. Personal Protective Equipments (PPE) is explained at Personal Protective Equipment Map (Attachment-15)
- l) Emergency Evacuation Plan is explained in Emergency Plan (Attachment-7)
- m) Fire, security and health&safety preventions is done at the port. It's explained at Emergency Plan (Attachment-7)
- n) Hazardous Goods Guide was submitted to The Port Authority
- o) Port of Trabzon is checked by Port Authority.
- p) IMDG Code Trainings and Health&Safety trainings was given to the staff.

4. THE CLASSES, TRANSPORTATION, HANDLING AND STORAGE OF DANGEROUS GOODS

Class 4.2 Flammable Solids: Fishmeal UN:1374

Class 6.1 Toxic and Infectious Substances: Sodium Cyanide Solid UN: 1689

Class 6.1 Toxic and Infectious Substances: Sodium Cyanide Solution UN: 3414

SCRAP

ASPHALT

Sodium Cyanide comes to the port which was packed and stickered according to the regulations and is transported to out of the port, isn't stocked at the port.

Fishmeal is stocked at the warehouses. Lead and Zinc wait at 7th berth which is covered.

CLASS 1 EXPLOSIVES

This kind of loads which is regarding to IMO MSC 1216 doesn't stocked at the port site and directly send to out of the port site. Also the staff who handle this kind of loads wear proper safety equipment. This kind of loads have 6 different types;

Item 1.1; This kind of explosives have grand effects

Item 1.2; This kind of explosives haven't grand effects but have fragmentation.

Item 1.3; This kind of explosives haven't grand effects but have partial or fire effects.

Item 1.4; This kind of explosives don't cause a damage.

Item 1.5; This kind of explosives have grand effects but not sensitive.

Item 1.6; This kind of explosives haven't grand effects and not sensitive.

PREVENTIONS

Need to put Warning Signs and fire extinguisher cylinder closer where you stock this kind of loads and need to use much water to extinguish. Should to stock explosive wastes separate and quickly need to send to remove.

CLASS 2 GASES

Under normal heat these are gas form but transportation form is generally liquid and flammable, toxic. For example Carbone Dioxide is normally not dangerous but it transported under pressure so it's called Dangerous.

Class 2.1 Flammables are with red sticker, Class 2.2, Class 2.1, Class 2.3 (For example LPG)

Class 2.2 Not flammable under pressure gases which one are with green sticker (For example Helium)

Class 2.3 Toxic Gases which one are with white sticker (For example Carbene Dioxide)

PREVENTIONS

Need to put Warning Signs and fire extinguisher cylinder closer where you stock this kind of loads and need to use much water to extinguish. There is a explode risk after cooling with water so remove them to a safe place.

CLASS 3 FLAMMABLE LIQUIDS

For example; gasolin or diesel

- Giving flammable steam Under 61 °C
- Reduced liquid sensitive explosives, for example nitrogliserin
- Flash point under 61 °C and boiling point equal with 35 °C
- Flash point under 23 °C and boiling point more then 35 °C

PREVENTIONS

Easy flammable and inflammable liquids (For example gasoline). If blow at first should ventilate the environment. If it burns shouldn't use water, should use bioversal foam. To extinguish; Foam, Dry chemical powder and carbene dioxide.

CLASS 4 FLAMMABLE SOLIDS

4.1 Flammable Solids

4.2 Inflammable solids

4.3 Giving flammable gas if it touchs to the water

Category Class 4.1; Flammable solids. For example Sulphure

Category Class 4.2; This kind of loads flammable by itself no need a spark for burn.

Category Class 4.3; This knd of loads dangerous when these are wet

STICKER DEFINITION

All have flame Picture on it and should to have class number. Red-White sticker is flammable solid loads. (For example coaldust)

Class 4.2 sticker's top is White and bottom is red colour, words are black colour. There is "SPONTANEOUSLY COMBUSTIBLE".

If blue sticker loads touch with water it can flammable. (For example metal peroxides). For class 4.3 it's blue and there is 'DANGEROUS WHEN WET' if it's burns need to extinguish with water. All kinds of extinguish tubes can be used. For Alimunium and Magnesium fires shouldn't be used water. Shouldn't be used water to blue sticker. For half White and half red stickers shouldn't be used corbone dioxide tubes. Dangerous Wastes should be stocked at dangerous wastes container and send to dispose.

CLASS 5 OXIDIERS AND ORGANIC PEROXIDES

CLASS 5.1

CLASS 5.1 Category, couldn't flammable by itself if it's heated it cause some oxidising material it may cause fire of closer materials

CLASS 5.2

It includes organic peroxides and These are generally hazardous for the eyes.

STICKER DEFINITION

For 5.1 materials there are 'OXIDIZING AGENT' and 'OXIDIZER' with black colour. For 5.2 class it' writing ORGANIC PEROXIDE with black colour.

5. DANGEROUS GOODS HANDBOOK

Dangerous Goods Handbook is at attached (Attachment-10)

6. OPERATIONAL ISSUES

Berthing, handling, harbouring and mooring of the vessels which transport dangerous goods is explained at Trabzonport Vessel Operation Procedure (Attachment-19) with details.

7. DOCUMENTATION, CHECH AND REGISTRATION

Trabzonport Documentation, Check and Registration Prosedure (Attachment-20) explains that how can ask Dangerous Goods Documentations from load owner, agent, suppliers and how can be registered at the port.

8. EMERGENCY CASES, READINESS FOR EMERGENCY CASES AND RESPONSE

- 8.1. Hazardous Goods which comes to the port be packed, stickered, in the container. Trabzon Port Management Inc. is going to interfere to a possible emergency case urgently.
- 8.2. There are 1 pcs Emergency Interfere Container, 1 pcs vacuum truck, 1 pcs skimmer, 1 pcs barrier and sorbent sucker peds in the port for emergency cases.
- 8.3. Emergency Interfere Team will interfere to a possible emergencu case.
- 8.4. In a emergency case Trabzon Port Management Inc. General Manager H.Muzaffer ERMIŞ and Port Authority will be informed urgently.
- 8.5 Port Authority will be informed.
- 8.6 Port Authority will be informed.
- 8.7 There is a fire truck in port site permanently and it's ready to interfere. If there is a fire Trabzon Municipality will be called urgently. There are fire tubes in all buildings and the site, fire tubes' check is done regularly.
- 8.8 Fire tubes' check is done and fillings and manintenance's is done regularly

9. HEALTH & SAFETY

Hazardous Goods which comes to the port be packed, and stickered before. IMDG Code trainings and health&safety trainings is done to staff who works on handling. Staff use their protective equipment. Port is checked by Health&Safety Manager and the Doctor.

The staff who work at handling or transportation of dangerous goods must to use Personal Protective Equipment (PPE) and Personal Protective Equipment (PPE) using map is at attached (Attachment 15).

10. OTHER ISSUES

REGULATION ABOUT TRANSPORTATION OF DANGEROUS GOODS BY SEAWAY;

ITEM 9: The ports which is handling dangerous goods must to take "Dangerous Goods Certifate of Conformity".

REGULATION ABOUT TRANSPORTATION OF DANGEROUS GOODS BY SEAWAY;

ITEM 8: All ports must to have Safety Consultant of Dangerous Goods

REGULATION ABOUT SAFETY CONSULTANT OF DANGEROUS GOODS

- (1) Safety Consultant of Dangerous Goods' liability is choosing the proper equipment for safety and make the handling&transportation of dangerous goods safe.
- (2) A consultant's main liability is;
 - a) To check the International Contracts (ADR/RID) are carried out or not
 - b) Advise to the port about carry out the International Contracts (ADR/RID)
 - c) To submit anual dangerous Goods report of the port to the Authority. This report include;
 - 1) Dangerous Goods contents (class and spesifications)
 - 2) Total quantity of dangerous goods regarding to their classes
 - 3) Regarding to ADR/RID Part 1.8.3.6 reports of old accidents
 - 4) Which way is using for transportaion of dangerous Goods.
 - 5) Is there a exemption of transportation of dangerous Goods.
 - 6) Is there a additional Safety assesment
 - ç) To specify the obligations
 - d) To help for buying the CTU's to the port.
 - e) To specify the prosedures of handling&transportation
 - f) To give trainings to the staff
 - g) To specify the Emergency Prosedures for handling&transportation of dangerous Goods
 - ğ) To prevent the accidents
 - h) To consider the special conditions of transportation of dangerous Goods.
 - ı) To give trainings about handling&transportation of dangerous Goods to the staff.
 - i) To prevent the risks regarding to transportation and handling of dangerous goods.
 - j) To provide the documentations at the vessel regarding to transportation and handling
 - k) To prepare Safety Plan of the port and carry out the plan regarding to ADR/RID Part 1.10.3.2
 - l) To register the trainings,checks,... and keep them for 5 years.
 - m) To register the check's dates
 - n) To stop the work if there is a danger
 - o) To specify the procedures regarding to package, handling, labelling.
- 3) If there is an accident Consultant of Dangerous Goods will report this event to the Authority
- 4) Consultant of Dangerous Goods will have a training biennially.
- 5) A Consultant of Dangerous Goods can just work with 5 company.

REGULATION ABOUT TRANSPORTATION OF DANGEROUS GOODS BY SEAWAY;

ITEM 6

- 1) The vessel which carries dangerous goods should inform the Port Authority 24hrs in advance.
- 2) Owner of the load which comes by the road or railway will inform the port 3hrs in advance.
- 3) If the port wasn't informed then the owner of the load will be punnished.
- 4) The speed limit is 20km/hr

ITEM 7

- 1) The other public bodies liabilities are kept The dangerous goods which is Class 1, Class 6.2 and Class 7

APPENDIX:

- 1- Location Plan
- 2- Photos
- 3- Emergency Numbers
- 4- The Location Plan of Dangerous Goods Handling Site
- 5- The Fire Plan of Dangerous Goods Handling Site
- 6- General Fire Plan of the Port
- 7- Emergency Response Plan
- 8- Emergency Muster Station
- 9- Emergency Management Diagram
- 10- Dangerous Goods Handbook
- 11- Leaking Places of CTU and Packages and Equipments
- 12- Inventory of Port Service Vessels
- 13- Port Authority's Management Borders and Maritime Pilot's Get on/Get off Place's Sea Coordinates
- 14- Equipments of Emergency Response to Prevent Marine Pollution
- 15- Map of Personal Protective Equipment (ppe)
- 16- Declaration Form of Dangerous Goods Events
- 17- Check Declaration Form of Container Transportation Unites
- 18- Trabzonport Fumigation Procedure
- 19- Trabzonport Vessel Operation Procedure
- 20- Documentation, Check and Registration Procedure
- 21- Trabzonport Dangerous Goods Procedure
- 22- Trabzonport Scrap Safe Handling Procedure
- 23- Trabzonport Maintenance Procedure
- 24- Trabzonport Work Permit Procedure
- 25- Trabzonport EMS and MFAG Procedure
- 26- Trabzonport Hot Works Procedure
- 27- Trabzonport Accident Prevention Policy
- 28- Trabzonport Safe Handling of Packaged Dangerous Loads Procedure
- 29- Trabzonport Safe Handling of Dangerous Solid Bulk Loads Procedure
- 30- Trabzonport Emergency Guidance and Pilotage Procedure
- 31- Trabzonport Container/Vehicle Loading Certificate
- 32- Trabzonport Dangerous Liquid Bulk Cargoes Operation Procedure
- 33- Vessel / Cost Safety Check List

ANADOLU TR TMDGK
TEHLİKELİ MADDELERİN DENETİMİ
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