



Review of Oil Pollution Combat at Kayangan Ferry Port West Nusa Tenggara Province

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Abstract. Kayangan Ferry Port is one of the ferry ports located in West Nusa Tenggara Province. This ferry port has the activity of directly filling fuel into ships which is distributed through the pipes that have been provided. This creates a high potential for environmental pollution in the Kayangan ferry port area, therefore the Ministry of Transportation has issued Regulation of the Minister of Transportation of the Republic of Indonesia Number PM 39 of 2021 for readiness to overcome pollution in waters and ferry ports. Based on research that has been conducted at the Port, it was found that pollution occurred when filling fuel into ships but there was no readiness to overcome pollution such as tools and materials for overcoming environmental pollution, tier-1 pollution control procedures, Port personnel competency. The purpose of writing this mandatory working paper is to determine the suitability of conditions at the Port with applicable regulations. The method used in the analysis is gap analysis where researchers compare conditions in the field with the expected conditions in accordance with applicable regulations. Based on the results of the analysis carried out. It can be concluded that the conditions at the Kayangan Ferry Port are still not in accordance with the Regulation of the Minister of Transportation of the Republic of Indonesia Number PM 39 of 2021, so it is necessary to procure tools and materials for pollution control, create tier-1 pollution control procedures and improve the competence of port personnel.

Keywords: Pollution, Countermeasures, Competence, Procedure

1. INTRODUCTION

Ferry transportation activities at the port often cause environmental pollution, both due to routine shipping activities and ship accidents. Pollution due to ship activities can occur, for example, due to leaks when refueling through hoses, while pollution due to ship accidents is usually caused by leaks in fuel tanks that result in oil spills in the waters, which of course have a negative impact on the marine ecosystem, REDHA, D. (2023). Pollution of the marine environment in Indonesian waters can result in losses for the nation and state, because it will reduce the quality of the environment in the waters and threaten the survival of living things, Lambonan, JE (2020). Kayangan Ferry Port managed by PT ASDP Indonesia Ferry (Persero) Kayangan branch, Juliana

Aisyah, IN A (2021). Kayangan Ferry Port has a storage and fuel filling activity for ships operating in the Kayangan Ferry Port area, this also greatly influences the risk of oil spills at any time which can pollute the marine environment. Handling oil spills A requires careful initial planning to minimize its impact, Juajir (2017). Therefore, the Port Authority and Port Business Entity must be prepared to deal with pollution to deal with the potential for pollution, Prayanto (2022).

Port Business Entities are required to provide facilities for the prevention and handling of pollution, RIZALDI AIDIL PUTRA, SIREGAR (2022).

2. METHOD

The research to be conducted will use a qualitative descriptive approach. The purpose of the descriptive analysis approach is to examine, characterize, and condense various conditions and circumstances of various data, such as observations or interviews, related to the problem being studied in the field.

3. RESULT AND DISCUSSION

Based on the results of observations conducted by the author at the Kayangan Ferry Port, several problems were found regarding pollution control that need to be followed up and several problem solving, including:

3.1. Equipment and materials for pollution control

Tools and materials	Picture	Conditions according to the rules	Condition In the field	GAP
Oil localizer (oil boom)		According to Minister of Transportation Regulation No. 58 of 2013 Article 9 Ports are required to have oil localization equipment (oil boom)	This tool is not available at Kayangan ferry port	Not in accordance with applicable regulations

Tools and materials	Picture	Conditions according to the rules	Condition In the field	GAP
suction tool (skimmer)		According to Minister of Transportation Regulation No. 58 of 2013 Article 9, ports are required to have suction devices (Skimmers).	This tool is not available at Kayangan ferry port	Not in accordance with applicable regulations
Temporary storage device		According to Minister of Transportation Regulation No. 58 of 2013 Article 9, ports are required to have temporary storage equipment (Temporary Storage).	This tool is not available at Kayangan ferry port	Not in accordance with applicable regulations

Tools and materials	Picture	Conditions according to the rules	Condition In the field	GAP
Absorbent material		According to the Minister of Transportation Regulation No. 58 of 2013, Article 9, ports are required to have absorbent materials. (Sorbent)	This tool is not available at Kayangan ferry port	Not in accordance with applicable regulations
Dispersant		According to the Minister of Transportation Regulation No. 58 of 2013, Article 9, ports are required to have dispersants.	This tool is not available at Kayangan ferry port	Not in accordance with applicable regulations

3.2. Pollution control procedures

Conditions According to Rules	Conditions in the field	GAP
According to the Minister of Transportation Regulation	The port has no pollution procedures	Not in accordance with applicable regulations

No. 58 of 2013 Article 5 paragraph 2 states that ports are required to have procedures for controlling pollution.		
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3.2. Pollution control personnel

Competence	Conditions according to the rules	Conditions in the field	GAP
Operator or executor	According to Minister of Transportation Regulation No. 58 of 2013 Article 8 paragraph 1 Ports must have at least 6 operators or implementers	At Kayangan ferry port there are no personnel who have this competence	Not in accordance with applicable regulations
Supervisor or on scene commander	According to Minister of Transportation Regulation No. 58 of 2013 Article 8 paragraph 1 Ports must have at least 1 supervisor or field commander. (on scene commander)	At Kayangan ferry port there are no personnel who have this competence	Not in accordance with applicable regulations
Manager or administrator	According to Minister of Transportation Regulation No. 58 of 2013 Article 8 paragraph 1 Ports must have at least 1 manager or administrator.	At Kayangan ferry port there are no personnel who have this competence	Not in accordance with applicable regulations

4. CONCLUSION

1. Condition of Equipment Pollution control equipment and materials at Kayangan Ferry Port do not comply with the Regulation of the Minister of

Transportation Number 58 of 2013.

2. The pollution control procedures at Kayangan Ferry Port are not in accordance with the Minister of Transportation Regulation Number 58 of 2013.
3. Pollution control personnel at Kayangan Ferry Port are not yet in accordance with the Minister of Transportation Regulation Number 58 of 2013.

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