

PCA note on garbage and used gears management

Alexey Buglak, July 7th, 2023

The Russian Federation is a signatory of The Convention for the Prevention of Marine Pollution from ships (MARPOL), and has ratified a number of relevant annexes, in particular, Annex IV – sewage from ships and Annex V - garbage from ships.

There are set of management measures on board of the vessels to address these issues. For example, the pipelines used to deliver sewage to reception facilities are equipped with standard drain connections. The vessels are audited, and are found to comply satisfactorily regarding construction, equipment, systems, devices and materials. At sea, sewage is discharged at a distance of at least 12 nautical miles from the shore and at vessel's speed of at least 4 knots (Annex IV).

Regarding Annex V, garbage is separated into various categories (plastic, food waste, domestic waste, etc.) and stored in separate special containers and delivered to the onshore receiving facilities or at sea to transport vessels for further delivery to a port. The onshore receiving facilities or transport vessels issue receipts.

All operations with the garbage are registered at the log. The Ministry of Natural Resources through its Agency for Monitoring of Natural Resources (*Rosprirodnadzor*) assesses the environmental impact of fisheries and is responsible for the protection of habitats and protected, endangered or threatened species. This includes compliance with MARPOL and pollution regulations.

MARPOL logs are checked by State Port Control. All vessels logs are also checked and enforced by coastguard during inspection.

All vessels must have:

- 1) **Shipboard Garbage Management Plan.** The plan contains guidelines for the prevention of marine pollution by garbage, mandatory for implementation by all crew members, determines the general structure and procedure for the collection and storage of garbage on board, includes a list of devices and equipment for the collection and processing of garbage. See sample on pic.1.
- 2) **Garbage Record Book.** The log registers all operations with garbage including dates, coordinates, type of garbage, its volume transhiped to another vessel or burned (depends of garbage type). See sample on pic.2.

Mid-water (pelagic) trawl is a gear that is designed to fish in a pelagic layer. It is not designated to contact with the bottom, so the risk of damaging or even less of losing the gear is minimum. PCA has commissioned a special study to analyze trawling depths and overlay them on the SOO depth map to identify any potential risk of an impact.

According to the Fishing Rules, all gears are mandatory marked with information of the fishing company that uses the gear and an individual fishing permit number. Gear labeling is also checked during inspections by the coastguard. In the event of the loss of a gear, as it is prescribed by the Fishing rules, the captain must make all the necessary actions to find a lost

gear. The loss of a trawl is also indicated in the vessel's documents (inventory report) and sent to the company. Trawl master is responsible for the fishing gear inventory aboard. Mid-water trawl is cost up to \$200 000, so the crew make all possible actions not to make it happen.

Management measures on lost gears are regularly reviewed. For instance, at the DVNPS meeting in October 2020, adoptions to the Fishing rules were discussed. It was proposed to adopt the Fishing rules (section 17 on gear lost regulations) to specify captain's obligations in case of gear lost. It was suggested to add captain's action with obligation to inform the FFA territorial department about gear lost, taken search actions, and details of the situation (date, time, coordinates) within 24 hours. The adoption was supported by the DVNPS and will be included into next revised version of the Fishing rules.

It shows that benthos impact management is reviewed, and additional measures are being taken.

PCA interviewed client group member companies and requested to provide information on cases of gear lost and damage during target pollock fishery in the Western Bering Sea in 2019-2020. Majority of the companies confirmed that they did not have cases of gear lost or damage during WBS pollock fishery in 2019-2020. However, one company reported one case of gear damage due to wire break, they confirmed that all parts of damaged gear were found and taken aboard. It was reported at the vessel log. It is expected that the actual situation with gear lose in the pollock fishery in the Sea of Okhotsk is very similar to the WBS.

Companies also explain that they usually use the mid-water trawl during 3-6 years. Crew can make easy repair work onboard if necessary. After usage all space parts of the gear are deliver depleted gears to special facilities for re-processing. See attached samples of such receipt documents.

Pic. 1 – Shipboard Garbage Management Plan sample
(vessel MRKT Erofeiy of Mintay DV company)

ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ
«МИНТАЙ ДВ»
"MINTAY DV", Co. Ltd

"УТВЕРЖДАЮ"

"STATE BY"

Технический директор

Technical director

Тайнов С.В.



СУДОВОЙ ПЛАН УПРАВЛЕНИЯ ЛИКВИДАЦИЕЙ МУСОРА
SHIPBOARD GARBAGE MANAGEMENT PLAN

в соответствии с пересмотренным Приложением V МАРПОЛ 73/78

Правило 10

in accordance with the revised Annex V of MARPOL 73/78

Regulation 10

Т/Х "ЕРОФЕЙ" (БЫВШ. КАИ YU)
ИМО № 8907072

M/V "EROFEY" (EX. KAI YU)
IMO № 8907072

1305/501Л-000-001

Одобрено Российским морским регистром судоходства
по поручению Правительства Российской Федерации

Approved by the Russian maritime register of shipping under
authority of the Government of the Russian Federation

174 ПОДРАЗДЕЛЕНИЕ BRANCH OFFICE	
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ОДОБРЕНО	APPROVED
Российским морским регистром судоходства по поручению Морской администрации Российской Федерации	by the Russian Maritime Register of Shipping under the authority of Maritime Administration of Russian Federation
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2021 г.

Pic. 2 – Garbage Record Bool sample
(vessel MRKT Petr 1 of Traflet company)

ЖУРНАЛ ОПЕРАЦИЙ С МУСОРОМ GARBAGE RECORD BOOK

Название судна MRKT ПЕТР 1
 Name of ship

Регистровый номер или позывной сигнал UBGP 8
 Distinctive number or letters

Номер ИМО 3907113
 IMO No

Период Начато 16.08.2022 Закончено 23.11.2022
 From To

«Первая Чукотская Типография»
 т. (423) 26-14-805, 26-14-806
 E-mail: drtc@mail.ru
 www.v-chume.ru

2018 г.

Эксплуатационные сбросы согласно правилам 4 (за пределами особых районов), 5 (стационарные и плавучие платформы) или 6 (особые районы)
 Приложения V к Конвенции MARPOL или положениям главы 5 части II-A Полярного Кодекса
 Operational discharges under MARPOL Annex V regulations 4 (outside special areas), 5 (fixed and floating platforms) or 6 (special areas) or chapter 5 of part II-A of the Polar Code

Дата/ время Date/ Time	Местонахождение судна (широта/долгота) или порт, если мусор выгружается на берег, или название судна, если мусор выгружается на другое судно Position of the ship (latitude/longitude) or port if disposed of ashore or name of ship if discharged to another ship	Категория Category	Приблизительное количество мусора Estimated amount discharged		Приблизительное количество сожженного мусора (м³) Estimated amount incinerated (m³)	Замечания (например: время начала/окончания и место сжигания; общие замечания) Remarks (e.g. start/stop time and position of incineration; general remarks)	Подтверждение/ подпись Certification/ Signature
			сброшенного в море (м³) Into the sea (m³)	выгруженного в приёмные сооружения или на другое судно (м³) to reception facilities or to another ship (m³)			
05.02.21 02:00	$\varphi = 58^{\circ}24'4''N, \lambda = 155^{\circ}36'0''E$	B	0,4	—	—	—	СПК А.Ф.И. Пегаров
05.02.21 07:00	$\varphi = 58^{\circ}21'8''N, \lambda = 155^{\circ}24'4''E$	C, F	—	—	3,1	07.00 $\varphi = 58^{\circ}21'8''N, \lambda = 155^{\circ}24'4''E$ 16.30 $\varphi = 58^{\circ}24'14''N, \lambda = 155^{\circ}30'12''E$	СПК А.Ф.И. Пегаров
06.02.21 02:00	$\varphi = 58^{\circ}22'5''N, \lambda = 155^{\circ}48'9''E$	B	0,4	—	—	—	СПК А.Ф.И. Пегаров
07.02.21 02:00	$\varphi = 58^{\circ}25'7''N, \lambda = 155^{\circ}18'2''E$	B	0,4	—	—	—	СПК А.Ф.И. Пегаров
08.02.21 02:00	$\varphi = 58^{\circ}49'9''N, \lambda = 154^{\circ}56'7''E$	B	0,4	—	—	—	СПК А.Ф.И. Пегаров
09.02.21 02:00	$\varphi = 58^{\circ}21'9''N, \lambda = 155^{\circ}01'8''E$	B	0,4	—	—	—	СПК А.Ф.И. Пегаров
10.02.21 02:00	$\varphi = 58^{\circ}22'4''N, \lambda = 155^{\circ}06'6''E$	B	0,4	—	—	—	СПК А.Ф.И. Пегаров
10.02.21 02:00	$\varphi = 58^{\circ}47'3''N, \lambda = 154^{\circ}41'2''E$	C, F	—	—	3,1	02.00 $\varphi = 58^{\circ}47'3''N, \lambda = 154^{\circ}41'2''E$ 19.40 $\varphi = 58^{\circ}20'1''N, \lambda = 155^{\circ}02'5''E$	СПК А.Ф.И. Пегаров
11.02.21 02:00	$\varphi = 58^{\circ}21'2''N, \lambda = 155^{\circ}07'9''E$	B	0,4	—	—	—	СПК А.Ф.И. Пегаров

Сброс или потеря мусора в исключительных обстоятельствах согласно правилу 7
 Exceptional discharge or loss of garbage under regulation 7 (Exceptions)

Дата/ время Date/ Time	Порт или местоположение судна (широта/долгота и глубина воды, если она известна) Port or position of the ship (latitude/longitude and water depth if known)	Категория Category	Приблизительное количество сожженного мусора (м³) Estimated amount incinerated (m³)	Замечания о причине сброса или потери и общие замечания (например: сведения о разумных мерах, принятых для предотвращения или сведения к минимуму такого сброса или случайной потери и общие замечания). Remarks on the reason for the discharge or loss and general remarks (e.g. reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks).	Подтверждение/ подпись Certification/ Signature
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

Подпись капитана: [Подпись]
 Master's signature

Дата: 11.02.2021 г.
 Date

Pic. 3 – Receipts of used trawl disposal
(from vessel BMRT Admiral Kolchak of SOFCO company)

TRAWL DISPOSAL

15TH DEC. 2022

MESSRS: THE OWNER OF "A.KOLCHAK"

C/O: GLOBAL STAR CO.,LTD BUSAN, KOREA

B/L NO

1. UN18030W08041300078
-Трап "POSEIDON-2"

We completed disposal of the above items.

GLOBAL STAR SHIPPING CO.,LTD / ARTEM KIM

