



Prevention of pollution from ships

Third Workshop with Ship Operators

4 October 2023

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INTRODUCTION



Introduction

International/National Regulations & Compliance

Understanding Marine Pollution

Reporting/Monitoring

Summary & Recommendations

INTERNATIONAL & NATIONAL MARINE POLLUTION REGULATION AND COMPLIANCE

MARPOL Annex I	MARPOL Annex II	MARPOL Annex III	MARPOL Annex IV	MARPOL Annex V	MARPOL Annex VI
Prevention of Pollution by Oil	Control of Pollution by Noxious Liquid Substances in Bulk	Prevention of Pollution by Harmful Substances in Packaged Form	Prevention of Pollution by Sewage from Ships	Prevention of Pollution by Garbage from Ships	Prevention of Air Pollution from Ships
Oil Tankers >150GT and all Vessel >400GT	Bulk carrier vessels	Applicable to all Vessels	>400GT & All passenger Vessels	Applicable to All vessels	Energy Efficient Measures is applicable to >400GT Vessel
Shipping Act 1998 Shipping (Marine Pollution) Regulations 2011	Shipping Act 1998 Shipping (Marine Pollution) Regulations 2011	Shipping Act 1998 Shipping (Dangerous Goods & IMDG code) Regulations 2011	Shipping Act 1998 Shipping (Marine Pollution) Regulations 2011	Shipping Act 1998 Shipping (Marine Pollution) Regulations 2011	No domestic laws

The MARPOL Convention is enforced through international cooperation, port state control inspections, and flag state regulations to ensure that ships comply with these pollution prevention measures.

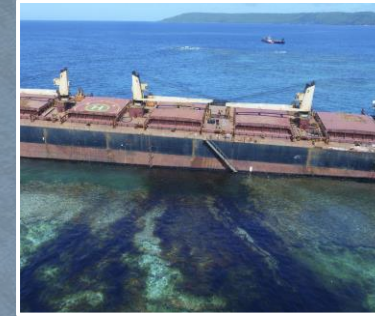
UNDERSTANDING MARINE POLLUTION

- Air & Marine Pollution from ships include any deliberate discharge of pollutants into the sea either by negligence or intentionally.

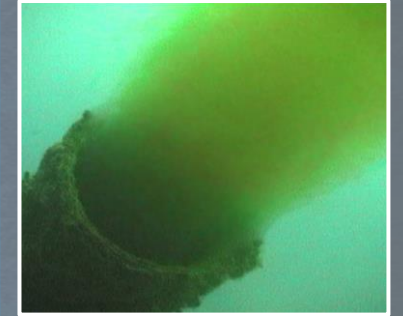
SIMA has the responsibility of preventing and responding to marine pollution from ships



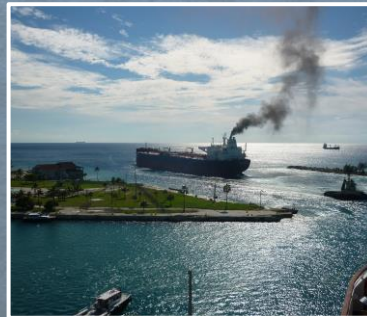
Waste



Oil spills



Sewage waters



Air pollutants

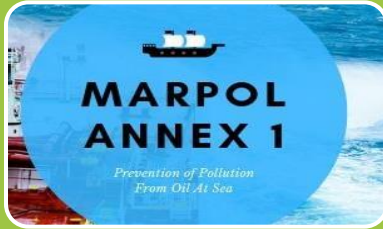


Chemicals



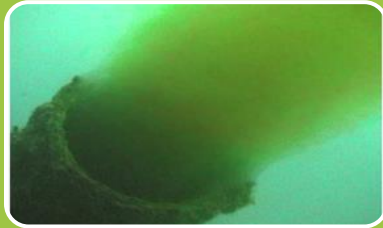
Harmful substances

SHIP OPERATORS RESPONSIBILITIES



Ship Oil Pollution Emergency Plan (SOPEP)

- Developing & Implementation of ship-specific procedures and plans to prevent oil Pollution.
- This includes oil spill response plan (SOPEP), oil record books, and pollution response equipment.



Sewage Management Plan (SMP)

- Managing sewage for discharge as per applicable standards
- This includes procedures for collection, treatment and discharge of sewage waters from ships



Garbage Management Plan (GMP)

- Developing & Implementing of Garbage Management Plan for their ships which include no discharge of plastics
- This includes procedures for collection, storage and disposal of garbage from ships



Ship Energy Efficiency Management Plan (SEEMP)

Develop and implement a SEEMP - document that should be tailored to the specific ship's needs and continuously updated to reflect changes in technology, regulations, and operational practices.

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REPORTING & MONITORING

JHARMS 2023 Case

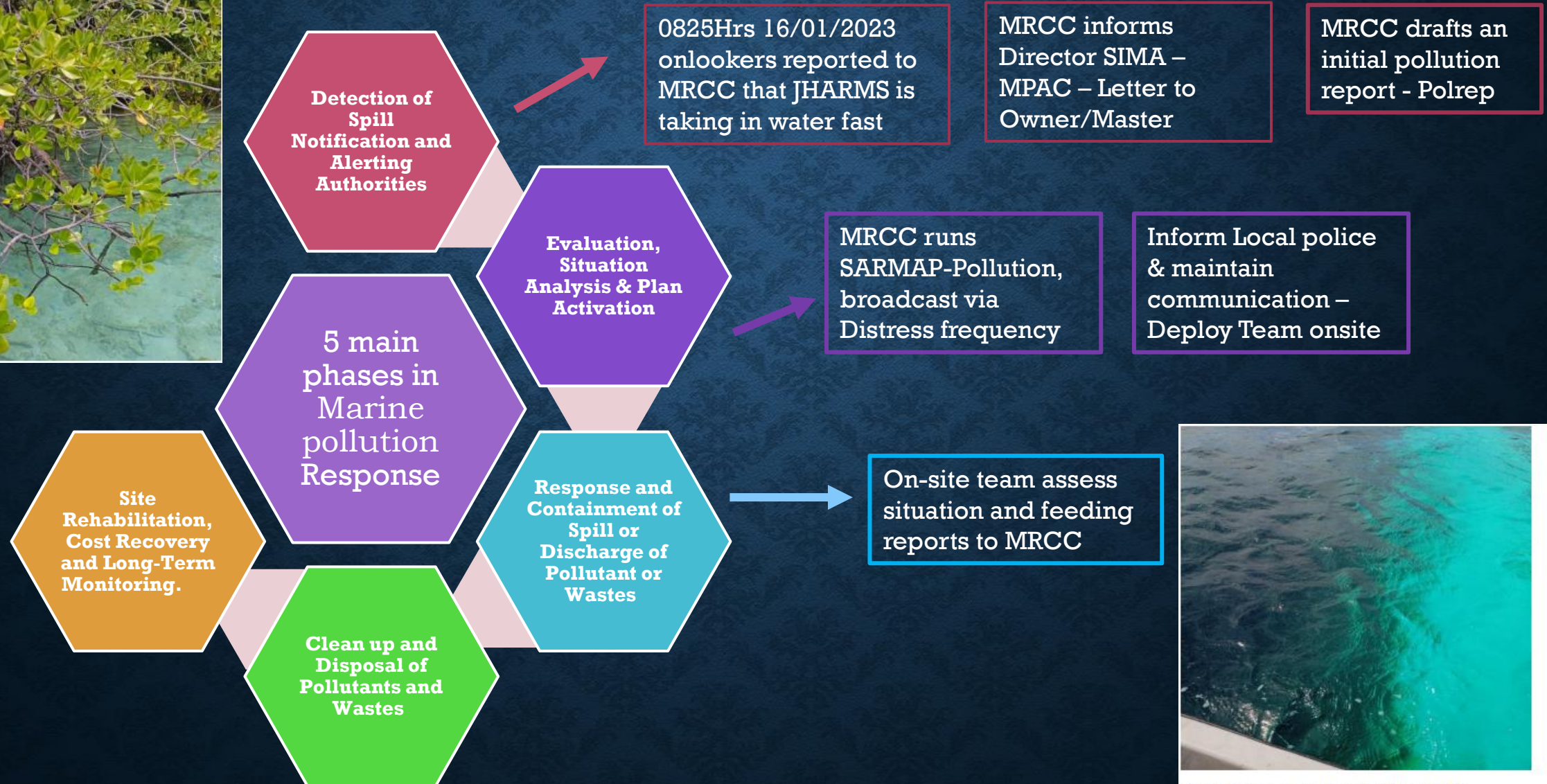


Figure 6 showing day 1 on-site assessment water quality

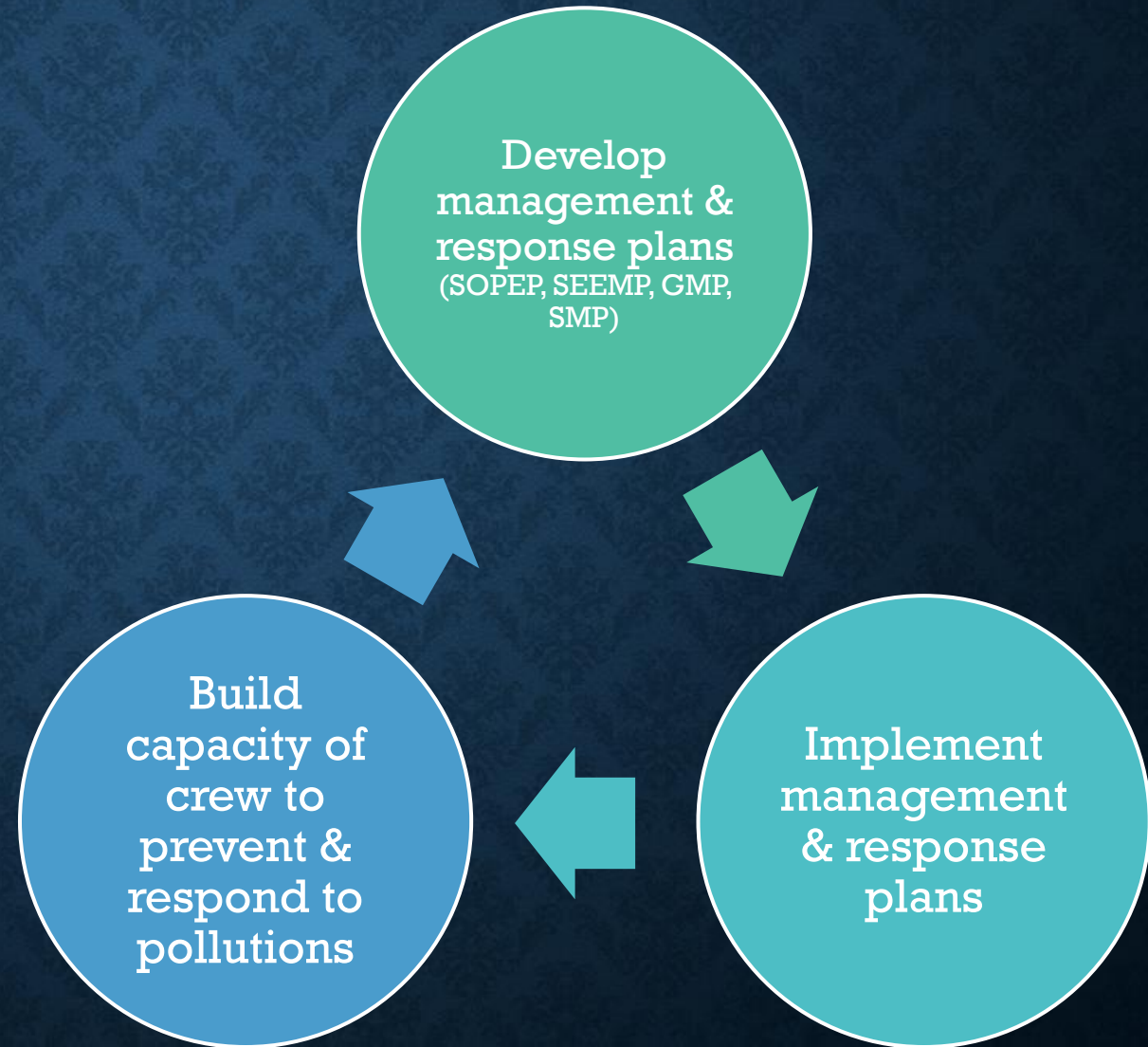


2019, Kangava Bay, Rennell



2023, Noro, Western
Province

SUMMARY & RECOMMENDATIONS





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