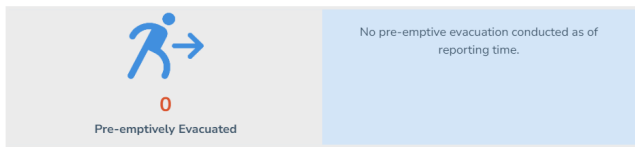


SitRep No. 4 for the Maritime Incident involving MT Terra Nova in Limay, Bataan (REGION III)

11 Aug 2024 08:00

PRE-EMPTIVE EVACUATION



AFFECTED POPULATION



STATUS OF EVACUATION



DISPLACEMENT TREND



CASUALTIES



BREAKDOWN OF CASUALTIES PER SEX AND AGE GROUP



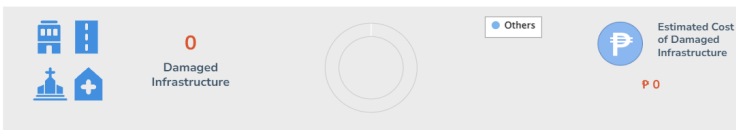
RELATED INCIDENTS



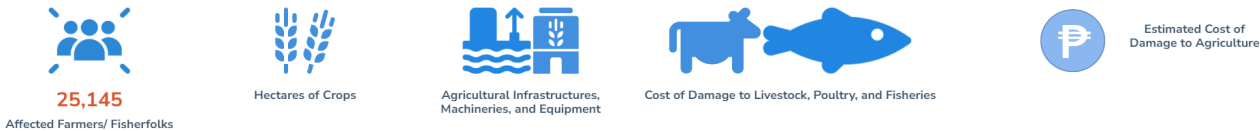
DAMAGED HOUSES



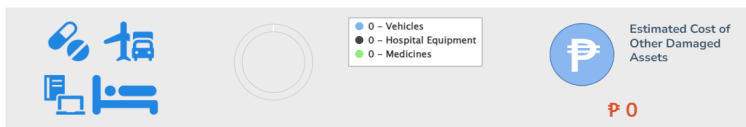
DAMAGE TO INFRASTRUCTURE



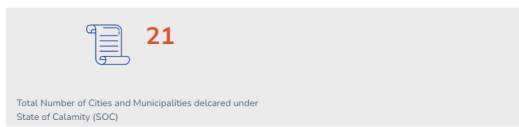
DAMAGE TO AGRICULTURE



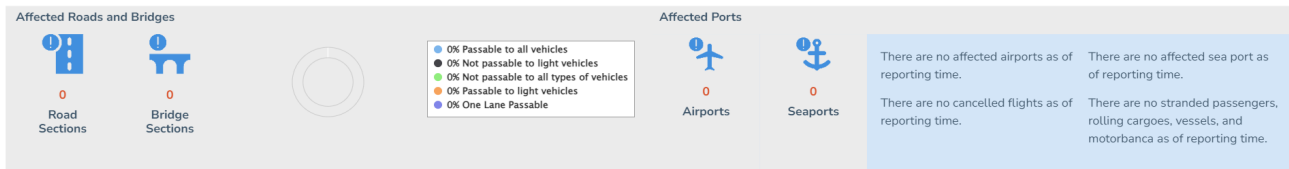
OTHER DAMAGED ASSETS



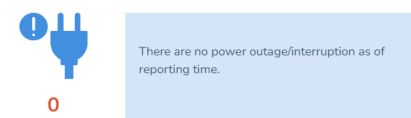
STATE OF CALAMITY



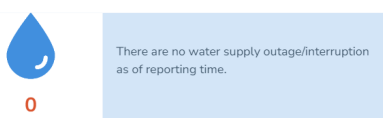
STATUS OF LIFELINES



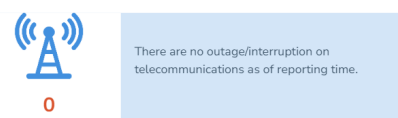
Power



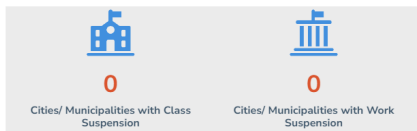
Water Supply



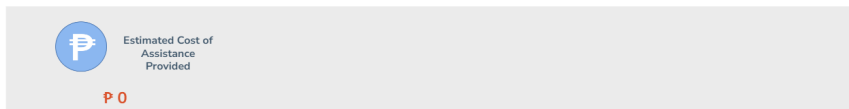
Communication Lines



SUSPENSION OF CLASS AND WORK



ASSISTANCE PROVIDED





REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

## **Maritime Incident involving MT Terra Nova in Limay, Bataan (REGION III)**

### **SitRep No. 4 for the Maritime Incident involving MT Terra Nova in Limay, Bataan (REGION III)**

**August 11, 2024 08:00 am**

On 24 July 2024, at around 10:57 PM, MT Terra Nova, an oil tanker carrying nearly 1.5 million liters of industrial oil, started listing while being towed by MTug Procyon enroute to the anchorage area. MT Terra Nova listed in the vicinity waters of Lokanin Point, Bataan.

On 25 July 2024, at around 1:10 AM, MT Terra Nova totally capsized in the vicinity waters of Lamao Point, Limay, Bataan.

Oil spill was reported in Bataan following the sinking of the vessel. Oil slick was also reported in Ternate, Tanza, Noveleta, and Rosario, Cavite.

Operations are ongoing to manage the oil spill.

## CASUALTIES (2)

A total of 1 dead, 0 injured, and 0 missing persons were reported:

REGION	VALIDATED			FOR VALIDATION			TOTAL REPORTED		
	dead	injured	missing	dead	injured	missing	dead	injured	missing
<b>TOTAL</b>	1	0	0	0	0	0	1	0	0
Region 3	1	0	0	0	0	0	1	0	0

Note: Figures are subject to change due to ongoing validation and verification

## DAMAGE AND LOSSES TO AGRICULTURE (2)

### Department of Agriculture

REGION	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
		WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
GRAND TOTAL	25,145	0	0	0	0	0	0	0	
CALABARZON	25,145	0	0	0	0	0	0	0	

### National Irrigation Administration

REGION	NUMBER OF DAMAGED INFRASTRUCTURE		TOTAL	COST OF DAMAGE
	TOTALLY DAMAGED	PARTIALLY DAMAGED		
GRAND TOTAL	0	0	0	0

Note: Figures are subject to change due to ongoing validation and verification

## DECLARATION OF STATE OF CALAMITY

A total of 21 cities/municipalities were declared under the State of Calamity.

REGION	NO OF CITIES / MUNICIPALITIES
GRAND TOTAL	21
Region 3	12
CALABARZON	9

Note: The Province of Cavite declared nine (9) of its cities/municipalities under the State of Calamity

**CASUALTIES (2) as of (August 11, 2024 08:00)**

PROVINCE   CITY /MUNICIPALITY   BARANGAY	QTY	SURNAME	FIRST NAME	MIDDLE NAME	AGE	SEX	ADDRESS	CAUSE	REMARKS	SOURCE OF DATA	VALIDATED
<b>DEAD</b>	1										
<b>REGION 3</b>	1										
<b>BATAAN</b>	1										
Limay	1										
					-	Male	TBD	Drowned		Limay MDRRMO, DOH & DILG	Yes

**DAMAGE AND LOSSES TO AGRICULTURE (2) as of (August 11, 2024 08:00)**

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		CLASSIFICATION	TYPE	NO. OF FARMERS/ FISHERFOLK AFFECTED	AFFECTED CROP AREA (HA)			NUMBER OF DAMAGED INFRASTRUCTURE, MACHINERIES, EQUIPMENT			PRODUCTION LOSS IN VOLUME (MT)	PRODUCTION LOSS / COST OF DAMAGE IN VALUE (PHP)
					WITH NO CHANCE OF RECOVERY (TOTALLY DAMAGED)	WITH CHANCE OF RECOVERY (PARTIALLY DAMAGED)	TOTAL	TOTALLY DAMAGED	PARTIALLY DAMAGED	TOTAL		
<b>GRAND TOTAL</b>	1			25,145	0	0	0	0	0	0	0	0
<b>DA TOTAL</b>	1			25,145	0	0	0	0	0	0	0	0
<b>NIA TOTAL</b>				0	0	0	0	0	0	0	0	0
<b>CALABARZON</b>	1			25,145	0	0	0	0	0	0	0	0
<b>CAVITE</b>	1			25,145	0	0	0	0	0	0	0	0
No breakdown	1			25,145	0	0	0	0	0	0	0	0
		Fisheries		25,145	0	0	0	0	0	0	0	0

**DECLARATION OF STATE OF CALAMITY as of (August 11, 2024 08:00)**

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		TYPE	RESOLUTION NUMBER	RESOLUTION DATE	REMARKS
<b>GRAND TOTAL</b>	21				
<b>REGION 3</b>	12				
<b>BATAAN</b>	12				

REGION   PROVINCE   CITY /MUNICIPALITY   BARANGAY		TYPE	RESOLUTION NUMBER	RESOLUTION DATE	REMARKS
Province-Wide	12				
		Province	RESOLUTION NO. 328	05 August 2024	SP RESOLUTION NO. 328 SERIES OF 2024, Declaring A State of Calamity in the Province of Bataan due to the effects of the oil spill caused by sunken MTKR Terra Nova, MTKR Jason Bradley, and Aground Vessel MV Mirola 1
<b>CALABARZON</b>	<b>9</b>				
<b>CAVITE</b>	<b>9</b>				
Cavite City	1				
		Province	3228-2024	31 July 2024	
Bacoor	1				
		Province	3228-2024	31 July 2024	
Kawit	1				
		Province	3228-2024	31 July 2024	
Noveleta	1				
		Province	3228-2024	31 July 2024	
Rosario	1				
		Province	3228-2024	31 July 2024	
Tanza	1				
		Province	3228-2024	31 July 2024	
Naic	1				
		Province	3228-2024	31 July 2024	
Maragondon	1				
		Province	3228-2024	31 July 2024	
Ternate	1				
		Province	3228-2024	31 July 2024	



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

**National Disaster Risk Reduction and Management Council**

**Maritime Incident involving MT Terra Nova in Limay, Bataan (REGION III)  
ACTIONS TAKEN**

**National**



**Office of Civil Defense (OCD)**

-Conducted a press briefing on 02 August 2024 re the Bataan Oil Spill to provide updates and address inquiries concerning the ongoing response efforts and management of the oil spill incident. The briefing was attended by key officials from various NGAs as well as representatives from the media.



**NDRRM Operations Center (NDRRMOC)**

-Continuously monitors the situation and coordinates with NDRRMC Member-Agencies and concerned OCD Regional Offices.



**Department of Health (DOH)**

-In coordination with Municipal Sanitary Inspectors, facilitated the transport to CRL Laboratory of fifteen (15) groundwater samples collected from various barangays in the provinces of Bataan, Bulacan, and Pampanga.  
-A composite team was deployed to provide technical assistance to Bataan regarding the monitored event.  
-Conducted a meeting together with the technical representatives from the Epidemiology Bureau (EB) and Disease Prevention and Control Bureau (DPCB) including the toxicologists from East Avenue Medical Center, Jose B. Lingad Memorial Hospital, and Batangas Medical Center to strategize the response activities about Oil Spill.  
-Coordinated with CHD III, CHD CALABARZON, and MM CHD regarding water testing per region.  
-Attended an Emergency Meeting regarding Air and Water Quality Monitoring Sampling Results spearheaded by the OCD Regional Office III (Central Luzon).



**Department of Science and Technology (DOST)**

-DOST-PAGASA provided daily Marine Meteorological Information for oil spill response, including sea area wind and wave forecasts, as well as oil spill trajectory and fate forecasts influenced by the Southwest Monsoon and tidal currents/waves.  
-DOST-National Research Council of the Philippines engaged the NRCP members and DOST Balik Scientists to provide scientific guidance to the Philippine Coast Guard.  
-DOST-Industrial Technology Development Institute conducted geochemical analyses of oil samples provided by the PCG to evaluate the relationship between the oil observed near the shoreline and the oil from Terra Nova.



**Department of Environment and Natural Resources (DENR)**

**Water Sampling**

-A total of sixty two (62) water sampling stations in Regions III, CALABARZON, and NCR are being monitored.

**Air Quality Monitoring**

Conducted daily ambient air quality monitoring in Brgy. Lamao, Limay, Bataan located approximately 7 kms West of the submerged vessel

EMB II installed 2 additional CAAQMS (Bulakan, Bulacan Air Quality Monitoring Station and Macabebe, Pampanga Air Quality Monitoring Station). Latest sampling showed that they are within the National Ambient Air Quality Guideline Values as of 01 August 2024. It is determined that air quality is within acceptable limits for human health and environment.

-Inventory of Resources: Additional 954 boxes of oil absorbent pads have been allocated in DENR-IV, Forty-eight (48) teams have been deployed in fabrication sites in Pampanga Lubao Bamboo Hub and Tarlac Modern Mechanized Forest Nursery and have already produced a total of 885 spill booms as of 05 August 2024.

-Established production of organic spill booms sites in Tarlac, San Jose (Aurora, Tarlac, Nueva Ecija) and Pampanga, Lubao, Bamboo Hub (Pampanga, Bataan, Zambales, Bulacan):  
Technical assistance is being provided by R. U. Foundry & Machine Shop Corporation (RUFMC) and a certain Dr. Advincula for the production of organic booms and the use of equipment, intended for distribution to high-risk provinces of Bataan, Bulacan, and Pampanga, to mitigate the impacts of oil spill.  
Ongoing fabrication of organic spill booms in coordination with PENROs, CENROs, MENROs, and Estero Rangers of Bulacan, Pampanga, and Bataan.

-Production of Spill Booms

DENR III conducted training on the fabrication of spill booms, attended by 98 participants from DENR and LGUs of Pampanga, Bulacan, Bataan, Tarlac, Zambales, and Nueva Ecija, including estero rangers. PENRO Nueva Ecija and CENRO Munoz delivered 1.5 tons of coconut husks to the Pampanga Fabrication Site. PENRO Tarlac facilitated the delivery of 20 sacks of coo fiber, 100 sacks coconut husks, 2 sacks of 1.5 L plastic bottles.

DENR deployed 25 teams from DENR, LGU Pampanga, Bataan, Bulacan, and PCG in the fabrication sites in Pampanga and produced a total of 65 organic spill booms. PENRO Tarlac activated its fabrication site to be supported by PENRO Aurora and Nueva Ecija.



## **Department of Social Welfare and Development (DSWD)**

-Php 2 million available standby funds were prepared at DSWD FOs III and CALABARZON. Php 11 million available in other DSWD FOs which may support the relief needs of the families affected by the effects Oil Spill though inter-FO Augmentation.

-Prepositioned 110,255 FFPs available at FOs III and CALABARZON.

-Continuous distribution of FFPs to families and individuals affected.



## **Philippine Coast Guard (PCG)**

-Deployed BRP Sandigan at the sunken MT Terra Nova to act as a second layer of inflatable boom, spanning 300 meters in length; BRP Malapascua conducted spraying of oil dispersant to ground zero and deployed oil spill booms; MEPGRP, M/Tug Mangyan, and M/Tug Sambal laid spill boom at the vicinity waters

-As per ocular inspection of BRP Suluan and BRP Sindangan, reported negative traces of oil within the vicinity.

-M/Tug Mangyan conducted aerial surveillance using drones at the vicinity waters of the incident area while M/Tug Agena, M/Tug Deneb and Marine Environmental Protection Group conducted repositioning of spill boom at MT Terra Nova.

-MEP Oil Spill Response Group conducted on-site monitoring and clean-up drive in the vicinity waters of Bulakan, Bulacan. The team deployed an additional 100 meters of shoreline boom to the nearby estuaries, aiming to prevent potential spill from reaching local residences and fish pens. They have collected/hailed approximately 21 sacks of oil debris and utilized (half) sacks of absorbent pads with a total of 100 meters covered, for proper disposal.

-The Marine Environmental Protection Unit and CGSS Tanza conducted coastal clean-up at Brgy. Amaya, Tanza, Cavite, collecting a total of 106 plastic bags with contaminated debris and plastics. Collected garbage was properly stored in temporary storage (Earthen Pit).

-C, PCG, COMMO Lim, and ITOPF initiated an overflight over Bulacan, Pampanga River, and Bataan to assess the level of oiling on sea and land. Accordingly, there was no clear indication of shoreline oiling in the areas.

-PCG and ITOPF to undertake surveys to assess the level of oiling and provide advice to those involved in

- any clean-up action in connection with the reported affected areas in Cavite
- Submitted water samples to Industrial Technology Institute (ITDI) for chemical fingerprinting. The results are expected to be released on 02 August 2024.
- Working barge, receiving tanker, as well as skimmers are already prepositioned on site.
- Capping of all 24 valves and high-level alarm pipes has been completed and the working barge and receiving tanker were positioned at the site.

## Region 3

### OCD 3

- Convened an Emergency Meeting re Capsized MT Terra Nova on 26 July 2024 to determine the situation and actions taken, and assistance for the fisherfolks that may be affected by an oil spill
- Activated the Regional Task Force for Complex Hazards with OCD3 as the Chairperson, with Co-Chairpersons from DILG3 and DSWD
- Continuously coordinates with concerned agencies and DRRMOs for possible interventions and actions taken
- Attended meetings organized by DENR Central Office re Oil Spill in Limay, Bataan
- Alerted the Province of Bataan and required to attend all meetings related to the incident
- Facilitated the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended the Coordination Meeting re Bataan Oil Spill Incident and Possible Effects and Mitigation Measures in Pampanga on 30 July
- Participated in the survey of vicinity waters of the incident area and coastal municipalities on 30 July 2024
- Facilitated RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Facilitated RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 03 to 06 August 2024
- Issued RDRRMC Memorandum No. 50 s. 2024 with subject, Proactive Actions on Results of Ambient Air and Water Quality Testing
- Attended Simulation Exercise on Siphoning at Lamao Port, Limay Bataan
- Conducted RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024
- Conducted RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### DOST

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan

### PAGASA

- Provided specialized Marine Weather Forecast for Manila Bay area and Oil Spill Trajectory and Fate Forecast twice daily at 5:00 AM and 5:00 PM since Thursday, 25 July 2024
- Provided specialized information regularly to PCG Command Center (COMCEN), PCG O/CG-8, and OCD 24/7 Operations Center
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan

### DILG 3

- Continuous monitoring with LGUs that will be affected by the oil spill
- Facilitated the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 03 August 2024
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024



- Facilitated the collection of coconut husks from the Province of Aurora
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **DSWD FO3**

- Attended Emergency Meeting re Capsized MT Terra Nova on 26 July 2024
- Signified to provide assistance once the number of affected fisherfolks are identified by the provinces concerned
- Information management and monitoring the effects of the oil spill in the community
- Continuous stockpiling of Food and Non-food items to ensure immediate response to the needs of the affected population
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Participated in the survey of vicinity waters of the incident area and coastal municipalities on 30 July
- Continuous preparation and submission of reports to stakeholders
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Conducted information management and monitoring of the effects of the oil spill in neighboring communities
- Conducted continuous stockpiling of Food and Non-food items to ensure immediate response to the needs of the affected populations
- Hauled 5,000 Family Food Packs requested by Bataan for distribution to possible affected families
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Provided 10,000 FFPs amounting to 6,778,750.00 to the Provincial Government of Bataan for distribution to affected families in Limay and Mariveles
- Attended RDRRMC3 Meeting re the Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **DENR 3**

- Attended Emergency Meeting re Capsized MT Terra Nova on 26 July 2024
- Convened Meeting with LGU Limay and the Provincial Government of Bataan to discuss the oil spill incident and to provide instructions and directors in response to the incident
- Deployed Estero Rangers to monitor the possible oil spill in the coastal area of Bulacan
- Provided a situational briefing to the President Ferdinand Marcos and conducted an aerial inspection over the provinces of Bataan, Bulacan and Pampanga
- Conducted a site inspection on the Bulacan offshore
- Conducted Coastal Monitoring Re: Anticipation of the Widespread Oil Spill in Manila Bay Coast of Bulacan
- Instructed all P/CENROs in the provision of supply for raw/indigenous materials for oil spill absorption and containment
- Convened emergency meeting with all PENROs and CENROs
- Monitored several river and coastal areas of Sasmuan and Lubao with negative traces of oil spill in the area
- Conducted inventory of all available materials, equipment, and tools necessary for oil spill absorbent and containment
- Reported several monitoring stations established to various strategic areas in the affected regions
- Facilitated the transportation of the decorticating and shredding machines from Bacolod
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Participated in the survey of vicinity waters of the incident area and coastal municipalities on 30 July
- Conducts daily testing with turn-around time of 3 days
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Shipped 2 decorticating machines (1 shredder and 1 squeezer) and nets through Air Force C-130
- Conducted coordination meeting for the production of organic spill booms and drafted Action Plan
- Trained 98 participants from DENR, LGUs of Pampanga, Bulacan, Bataan, Tarlac, Zambales, and Nueva Ecija on the production and testing of spill booms
- Produced a total of 65 (pieces) spill booms
- Activated spill boom production sites in the Province of Tarlac
- Attended Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 03 August 2024
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04

August 2024

- Manufactured a total of 346 pieces of oil spill booms
- Transported a decorticator machine to the Lubao Bamboo Hub in preparation for the Training on Decorticator Machine Operations and Fabrication of Spill Boom
- Dispatched 50 pcs oil spill booms in Brgy Ipag, Mariveles, Bataan and 14 pcs in Pampanga
- Facilitated and coordinated the delivery of two (2) truckloads of coco husks and 103 sacks of plastic bottles for the production of organic oil spill booms
- Facilitated the continuous production of organic oil spill booms in Lubao Bamboo Hub and MMFN in San Jose, Tarlac
- Attended RDRRMC3 Meeting re the Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### DENR-EMB

- Attended Emergency Meeting re Capsized MT Terra Nova on 26 July 2024
- Checked the historical data of the past oil spill incident in Limay, Bataan
- Dispatched a team to have an ambient recording of the water quality in Limay, Bataan
- Conducted water quality sampling in their established monitoring station
- Continuously monitors the Air and Water Quality
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 03 August 2024
- Prepared and submitted an update on the air and water quality monitoring as of 04 August 2024
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Regularly provides testing results
- Attended RDRRMC3 Meeting re the Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### PENRO Bataan

- Produced about eight (8) oil traps made from indigenous materials
- Coordinated with PCG on the status of the sunken vessel
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### PENRO Bulacan

- Conducted Coastal Monitoring Re: Anticipation of the Widespread Oil Spill in Manila Bay Coast of Bulacan
- Mobilized Estero Rangers in the preparation of localized oil spill boom using organic materials
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### PENRO Pampanga

- Coordinated with Philippine Coast Guard (PCG) of Pampanga headed by Lt. Kristine Ann Opinaldo and MENRO of Sasmuan as to the immediate response of the possible oil spill
- Deployed Estero Rangers with PCG in the monitoring of coastal areas of Macabebe and Sasmuan
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### CENRO Masinloc

- Provided 150 pieces of oil and chemical absorbent pads to Bataan
- Coordinated with PCO of San Miguel Global Power Plant in Masinloc and Field Site Team of USAID SIBOL for the provision of additional absorbent pads and oil spill booms

### **DOH CLCHD**

- Implements the existing Oil Spill guidance once oil spill is imminent
- Releases a health advisory relative to the effects of an oil spill
- Deploys medical equipment and medicines for the possible oil spill
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga

- Collected water samples that were brought to CRL Lab in Angeles for testing
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Conducted Health Advisory on Oil Spill
- Conducted preparatory meeting for hospital referral
- Conducted preliminary assessment/. Interview in the affected area
- Pre-positioned appropriate PPEs for oil spill
- Conducted social preparations through the Public Health Office
- Attended Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 03 August 2024
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Conducted online orientation on recognition and management of victims of oil spill exposure
- Coordinated with PCG re names of personnel for scheduling medical check-up
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terra Nova in Limay, Bataan on 10 August 2024

### **DOLE 3**

- Attended Emergency Meeting re Capsized MT Terra Nova on 26 July 2024
- Continuous monitoring of Air and Water Quality
- Provides assistance to potential affected fisherfolks and community members however proper identification and profiling is yet to be undertaken
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Conducted profiling and listing of affected fisherfolks and residents to identify funding request or the implementation of emergency employment through the TUPAD Program
- Proposed the approval of supplemental funds to cover more affected families under the TUPAD Program amounting to PhP45,000,000.00
- Conducted consultation meeting with the five identified affected coastal LGUs namely Hagonoy, Paombong, City of Malolos, Bulakan, and Obando
- Allotted PhP800,000.00 for the production of spill booms in the Municipality of Lubao, Pampanga
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 06 August 2024

### **BFAR 3**

- Attended Coordination Meeting with the DENR on 26 July 2024
- Issues advisory re Emergency Harves of Shellfish
- Conducts consultations with fishermen/fisherfolks
- Conducts resting of actual catch
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Conducted Assessment and Monitoring
- Conducted Water and Fish Sampling
- Continuous IEC and support for Affected Fisherfolks
- Prepared Fuel Subsidy and Prepositioning of Buoy Markers, and distribution of seedings and Fiberglass Boats
- Coordinated with fisherfolks in Pampanga and Bulacan to verify presence of oil spill in their areas
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Conducted sensory evaluation training for PFO personnel
- Suspended sample collection in Limay pending LGU restrictions
- Increased market inspections and traceability efforts
- Evaluated the use of coco fiber booms and consider procurement and deployment
- Conducted sensory evaluation and sampling in the Provinces of Bataan and Bulacan
- Conducted a detailed ocular inspection in Hagonoy on 01 August 2024
- Conducted regular sensory evaluation and sampling in the Provinces of Bataan and Bulacan
- Attended Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 03 August 2024
- Conducted market monitoring, sensory evaluation results, and prepared food packs
- Collected fish samples (wild caught and from aquafarms) in the municipalities identified for Bataan, Bulacan and Pampanga and were submitted for laboratory analysis to National Fisheries Research and Development Institute (NFRDI) and CRL Environmental Laboratory- Clark, Pampanga.

- Issued the following recommendations:
- Maintain on-going surveillance of fish and landing sites to ensure compliance with safety standards and to monitor for any signs of contaminations;
- Implement continuous sampling and testing for both wild-caught and cultured fish to detect any potential contamination early and ensure public safety;
- Strengthen coordination with LGUs and fisherfolks to facilitate effective spill response and to address any emerging concerns swiftly;
- Continue to provide clear and timely information regarding seafood safety and the status of the oil spill response to maintain public trust and ensure informed decision- making
- Ensure timely distribution of aid and resources including food packs to support affected communities and mitigate the impact of the oil spill;
- Regularly view and adjust the response based on on-going assessment and new information to enhance the effectiveness of the spill response efforts
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Deployed MCS 3008 vessel to conduct assessment and monitoring
- Prepared 1,000 food packs for distribution to the affected fisherfolks
- Expanded sampling sites in the Municipalities of Bagac and Morong in the Province of Bataan
- Delivered and awarded 400 kilograms of bangus and tilapia to the Municipal Fisheries and Aquatic Resources Management Council (MFARMC) of Limay and the Samahang Kababaihan ng Pinag-apugan (SKP) of Mariveles
- Provided fuel subsidy to 75 Limay fisherfolks amounting to PhP3,000 each
- Attended RDRRMC3 Meeting re the Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

## **PCG-NCRCL**

- Acted on the distress call
- Rescued sixteen (16) vessel crews and retrieve one (1) casualty
- Assisted the MT Terra Nova crew members and provided first aid
- Obtained oil spill equipment
- Explained to the Limay Bataan Mayor of the maritime incident
- Coordinated with UP MSI for technical assistance for oil spill trajectory modelling
- Informed all CGD NCR-CL Stations that may be affected to remain vigilant and coordinate with their provincial and local government units regarding the potential oil spill
- Deployed vessels which conducted spraying of dispersant
- Prepositioned oil spill booms at the coastlines of Bulacan and Navotas City
- Deployed Marine Environment Group - conducted water sampling, seaborne and shore patrol inspection of affected areas
- Activated PCG IMT and mobilized all PCG oil spill equipment
- Established contact with accredited OSRO to render necessary assistance
- Coordinated with Malayan Towage and Salvage Corporation for assistance
- Determined the availability of oil dispersants
- Coordinated with Harbor Star Shipping Services Inc for possible assistance
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Conducted aerial Survey onboard PCG Chopper at vicinity waters of Manila Bay regarding oil spill incident to verify reported oil sheen on 30 July
- Conducted monitoring of the vicinity waters of the submerge vessel
- Conducted manual scooping of oil around the capsized vessel
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Conducted the capping of valves and high- level alarms
- Positioned the working barge and receiving tanker
- Provided additional control measures including placement of additional oil spill booms, positioning of skimmers, and employment of oil dispersants
- Conducted initiatives to ensure safe siphoning operations
- Conducted necessary controls and containments as well as clean- up measures in coordination with concerned LGUs, Government agencies, and other stakeholders
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Deployed drone for aerial surveillance and monitoring in the vicinity of Ground Zero where minimal oil sheen

was observed

- Conducted spraying of oil dispersant at the vicinity waters of Ground Zero
- Conducted Simulation Exercise on Siphoning with US Coast Guard and Harbor Star Shipping Services (Salvor Company) at Lamao Port, Limay Bataan
- Harbor Star Divers conducted replacement of canvass cappings with the fabricated metal caps on 09 August 2024
- Attended RDRRMC3 Meeting re the Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **NEDA 3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **DA RFO3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **BFP 3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **DPWH 3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **DTI 3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **AFP-NOLCOM**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan

at NEDA Regional Office 3, DMGC, CSF, Pampanga

- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **PNP PRO 3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **PIA 3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **TESDA 3**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

### **AURORA PDRRMC**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga

### **BATAAN PDRRMC**

- Reported the onset of the Incident (July 25, 2024); immediately met with DENR Sec Yulo-Loyzaga
- Reported conduct of several coordination meetings with National Government Agencies, RDRRMC3 and Local Government Units
- Established an Incident Management Team for the Oil Spill incident
- Instructed LGUs to collect coconut husks and set up a team for the monitoring of oil slick
- Attended Emergency Meeting re Capsized MT Terra Nova on 26 July 2024
- Coordinated with PCG for the anticipation of the widespread Oil Spill in Manila Bay, Coast of Bulacan
- Prepositioned Boom in case of massive oil spill
- Advised concerned MDRRMCs to activate Incident Command System
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Conducted survey of vicinity waters of the incident area and coastal municipalities on 30 July 2024
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Attended Simulation Exercise on Siphoning at Lamao Port, Limay Bataan

- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### **BATAAN INCIDENT MANAGEMENT TEAM**

- Attended in the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Continuously submits situational reports to Bataan PDRRMC and OCD3 thru viber group
- Harbor Star conducted diving operation at vicinity waters of Limay, Bataan, for the sealing and resealing of other PV Valves, on 30 July
- Conducted survey of vicinity waters of the incident area and coastal municipalities on 30 July 2024
- Continuously monitors the situation of the incident
- Conducted scouring of oil sheen at vicinity waters of Corregidor Island and San Nicholas Shoal in the Province of Cavite on 31 0800H July 2024
- Conducted field dispersant effectiveness test at PPA PMO, Bataan
- On 31 0929 July 2024, Station Commander, CGS Bataan together with Coast Guard Public Affairs Service and a representative from PTV, TV5, ABS CBN and GMA onboard BRP Malamawi (FPB-2403) departed from Lamao, PPA, Port Area of Bataan and proceeded at ground Zero enroute to Province of Cavite for the conduct of Sea surface survey regarding oil spill incident
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Conducted repositioning of Spill Boom
- Conducted oil spill containment measures and aerial surveillance using drones at Ground Zero
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Harbor Star Divers conducted replacement of canvass cappings with the fabricated metal caps on 09 August 2024
- Facilitated RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### **LIMAY MDRRMC**

- Attended Emergency Meeting re Capsized MT Terra Nova on 26 July 2024
- Conducted inspection within the vicinity of the sunken oil tanker for possible oil leak in the area together with OMA, MPSO and Bantay Dagat.
- Distributed Food packs to affected Fisherfolks
- Provided number of affected families/fisherfolks for assistance needed
- Prepositioned Medical supplies and team at the ICP located at the Philippine Port Authority
- Issued fishing ban and provided assistance to the community and fisherfolks
- Established Incident Command System at the Municipal Level
- Stockpiling of Coconut Husks and Rice Straw.
- Close coordination with all barangays affected by the Oil Spill
- Convened an Operational Period Briefing with PDRRMO, Coast Guard Bataan, Harbor Star, and MALAYAN, vessel owner representative.
- Sealed 2 valves in the submerged vessel
- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Participated in the survey of vicinity waters of the incident area and coastal municipalities on 30 July
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Attended Meeting presided by the Provincial Legal Office on 05 August 2024 re insurance claims for the MT Terranova Oil Spill Incident
- Attended Simulation Exercise on Siphoning at Lamao Port, Limay Bataan
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### **BALANGA CITY, HERMOSA, ORANI, ORION, PILAR C/MDRRMCs**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga

#### **BULACAN PDRRMC**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga

- Activated IMT through the issuance of an Executive Order
- Conducted sight inspection and verification of reported oil sightings
- Conducted clean-up in Taliptip, Bulakan, Bulacan
- Conducted Coordination Meetings with 1.) PDRRMC Members and PCG; and 2.) Provincial/City/Municipal DRRMOs, P/C/MENROs and P/C/MAOs
- Coordinated with companies that will donate indigenous materials, and Genetron, Inc. for recycling of oil
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Prepared indigenous materials for oil spill boom
- Coordinated with Genetron Inc for possible oil recycling
- Issued Executive Order on Preventive and Safety Measures on fisheries and fishpond owners on the possible contamination
- Instructed concerned LGUs to establish their own Incident Management Teams (IMTs) to handle the incident
- Submitted oil- based samples to DOST for testing and confirmation
- Formulated Incident Command System (ICS) -Incident Action Plan (IAP)
- Conducted the production of indigenous oil spill booms
- Conducted IMT Briefing on 01 August 2024
- Attended the Bataan Oil Spill Press Conference at the Office of the Civil Defense in Camp Aguinaldo
- Conducted water sampling and clean-up at the NMIA site- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Conducted daily Incident Management Team meeting and updating of situation
- Conducted continuous coordination with possible affected LGUs
- Conducted continuous information and education campaign
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Coordinated with the PCG regarding the treatment and disposal of oil-contaminated materials
- Coordinated with Malolos, Hagonoy, and Bulakan, Bulacan, regarding sensory testing to ensure all necessary procedures were followed and updates were shared among these municipalities.
- Coordinated with the Province of Pampanga to assess the assistance they required.
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### CITY OF MALOLOS, HAGONUY, PAOMBONG C/MDRRMCs

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Created Task Force MT Terra Nova through EO No. 35, Series 2024.
- Created MT Terra Nova Incident Management Team.
- Conducted continuous coordination with the coastal barangays for regular monitoring of shorelines and fish ponds.
- Conducted coordination with the Philippine Coast Guard, DENR and other concerned agencies.
- Prepositioned water assets and facilities for rapid deployment and mobilization.
- Collected raw materials (coconut husk) for organic spill boom production.
- Coordinated with DENR in connection with the production of organic spill booms to be deployed to the projected affected LGUs.
- Conducted information dissemination to coastal barangays and other communities and sectors at risk.
- Conducted MT Terra Nova Task Force coordination meeting.
- Conducted close coordination with the City Agriculture Office of the projected number of families that might be affected in the coastal areas.
- Pre-positioned stockpile of relief packs for possible distribution to communities and sectors at risk.
- Conducted close coordination with the Department of Health ICOW water sampling activities in the coastal area.

#### PAOMBONG MDRRMC

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Continuously monitoring all Coastal Barangay every 6 hours
- Fabricated oil spill boom through the MENRO
- Prepositioned relief goods, Rescue equipment and vehicles

#### HAGONUY MDRRMC

- Conducted coordination with DENR through MENRO in connection with the production of organic spill booms to be deployed to the projected affected LGUs.
- Conducted continuous coordination with coastal barangays, MENRO, MAO, and different agencies.



- Conducted food tasting at BFAR Hagonoy office on the recently caught fish or sea foods in Hagonoy

#### **BULAKAN MDRRMC**

- Conducted continuous clean up drive along rivers
- Conducted proper information dissemination
- Conducted continuous collecting of empty plastic bottles as a flotation device of the boom
- Issued Memorandum No. MO.2024-58 re Paghahanda para sa posibleng pagkalat ng MT Terranova oil spill sa karagatan ng bayan ng Bulakan.
- Issued Executive Order NO. 2024-19 re an order reorganizing the Municipal Incident Command System (ICS) structure, composition and defining its team functions as an on- scene Disaster Response and Management Mechanism, and is activated only in Response to Disasters or Emergencies and situation/approaching crisis level.
- Conducted continuous collecting and updating the list of direct and indirect affected families and individual across Bulakan's Bay Area.
- Conducted continuous listing of directly affected fisher-folks from oil spills in Manila Bay
- Printed (IEC) Materials for distribution or posting in social media (LGU Official Page)

#### **OBANDO MDRRMC**

- Conducted information dissemination within Area of Responsibility
- Organized and deployed Bantay Dagat for continuous surveillance and monitoring

### **PAMPANGA PDRRMC**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Conducted Coordination Meeting re Bataan Oil spill Incident and Possible Effects and Mitigation Measures in Pampanga
- Attended RDRRMC3 Meeting re Central Luzon Oil Spill Response in the Province of Bataan
- Attended 3rd RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 August 2024
- Installed a total of 64 spill booms in the Municipality of Sasmuan on 04 August 2024
- Conducted continuous production of indigenous oil spill booms
- Attended RDRRMC3 Emergency Meeting on Air and Water Quality Monitoring Sampling Results on 04 to 06 August 2024
- Coordinated with concerned agencies re Water Sampling Test to the following areas: (a) Bancal Pugad, Lubao, (b) Bangkung Malapad, Sasmuan, (c) Macabebe Point, and (d) Mouth of Pampanga River
- Installed four (4) booms with approximately 24 meters in Mabuanbuan River, Sasmuan, Pampanga on 06 August 2024
- Provided medical checkup at Lubao Isolation Facility for deployed PCG's with various health ailments
- Visited the area of oil spill boom production for other health and medical concerns of other working personnel
- Attended RDRRMC3 Meeting re Presentation of Risk Assessment and Contingency Plan for the Siphoning Process of the Sunken NT Terranova in Limay, Bataan on 10 August 2024

#### **GUAGUA, MACABEBE, MASANTOL, MINALIN, SASMUAN MDRRMC**

- Attended the Joint NDRRMC-RDRRMC3 Emergency Meeting re: Oil Spill Incident in the Province of Bataan at NEDA Regional Office 3, DMGC, CSF, Pampanga
- Attended the Coordination Meeting re Bataan Oil spill Incident and Possible Effects and Mitigation Measures in Pampanga

## **CALABARZON**

### **OCD CALABARZON**

26 July 2024

- Attended the Cavite PDRRMC Emergency Meeting re Possible Oil Spill in the coastal waters of Cavite Province
- Continuous monitoring of situation and coastal water condition within the region.

30 July 2024

- Issued RDRRMC Memorandum No. 80 dated 30 July 2024 with subject: Preparedness Measures icow Bataan Oil Spill directing all concerned LGUs to undertake preparedness measures and provide assistance to PCG.
- Maintained blue alert status of the 24/7 activation of Regional Emergency Operations Center
- Continuous monitoring of situation and coastal water condition within the region
- Dissemination of advisories and announcements via email, Facebook, to RDRRMC Member Agencies and LDRRMOs
- Continuous monitoring and coordination with Cavite and Batangas PDRRMOs re weather and coastal water situation and any untoward incident.

01 August 2024

- Conducted coordination meeting today, 01 August 2024 to discuss courses of actions of RDRRMC to address anticipated needs of the Province of Cavite

02 August 2024

- Coordinated with DSWD CALABARZON on the hauling of food packs intended for the affected families in Cavite Province.

## **PCG STL**

27 July 2024

- CGDSTL & MEP ERG-STL closely monitor the movement and development of the oil spill trajectory through webGNOME software and provided early warnings to LGUs and coastal communities.
- MEP ERG-STL activated the Oil Spill Response Team to spearhead the monitoring of the identified coastal areas.
- Coordinated with local government units and relevant offices to emphasize the importance of anticipation and preparation for the potential impact of the oil spill within the area, ensuring all available resources are mobilized.
- The team disseminates information about the possibility of an oil spill and encourages the collection of materials to be used as indigenous spill booms. The team also teaches the deployment and demonstrates the installation of the Improvised Oil Spill Boom.
- Personnel from sub-stations continuously conduct foot patrols, regular coastal clean-ups, and maintain coordination with Bantay-dagat for possible sightings during their coastal patrols.

29 July 2024

- Coast Guard Sub-Station Nasugbu and MEP ERG-STL conducted an information and education campaign at the municipality of Nasugbu, Batangas to the locals and concerned counterparts.

30 July 2024

- Attended the Joint Committee Meeting of Disaster Response and Early Recovery and Disaster Rehabilitation and Recovery re effects of Enhanced Southwest Monsoon Habagat by Typhoon Carina in the province of Batangas and presented to the committee the Oil Spill Trajectory Simulation that projected that the possible areas that might first be affected in the Southern Tagalog AOR.

01 August 2024

- Conducted information and dissemination to coastal communities, resorts owners, fisher folks to immediately report to the nearest substation if there are any sightings of oil spill/ oil spill odor in the area, The Coast Guard Sub-Station Lian were able to acquire improvised oil spill boom estimated more or less 200 meters from LGU.

## **BATANGAS PDRRMC**

NASUGBU MDRRMO

01 August 2024

- Coordinated with concerned MDRRMC member-agencies for the realignment of budget to purchase indigenous oil spill boom materials.
- Conducted MDRRM Council emergency meeting

- Turnover of indigenous oil barriers at Barangay Papaya and Preparedness Management regarding oil spill.
- Conducted roving and monitoring to coastal barangays.
- Barangay DRRMCs on coastal areas activated.

## **DENR-EMB CALABARZON**

26 July 2024

- Conducted water sampling/testing and fingerprinting to check source of oil slicks seen in Cavite coastal waters.
- Deployed oil absorbent pads to Cavite Province
- Conducted on-shore and off-shore water quality monitoring on 16 identified monitoring stations.
- As of 30 July 2024, the Inter-agency committee meeting was conducted. There are evidences that there is presence of oil in the shoreline of Cavite, however, per PCG, they still need to do some confirmatory tests to determine whether the said oil came from Terra Nova. On the same day, the EMB CALABARZON personnel conducted investigation on the coastline of Amaya Dockyard & Marine Services, Inc., and the contaminated solid wastes were found by the PCG.
- Will provide additional 500 boxes of oil absorbent pads to Cavite Province, for pick-up today.

31 July 2024

- Conducted coordination meeting with PCGMEP for the monitoring of the coastline of Cavite.
- EMB R4A thru its Provincial Environmental Management Unit – Cavite conducted inspection within the affected areas in Rosario, Noveleta and Tanza in coordination with Municipal Fisheries and Aquatic Resources and Management Council (MFARMC) and PCG.

01 August 2024

- On 01 August 2024, the Coordination Meeting ICOW Oil Spill in Bataan of the Office of Civil Defense was held and discussed the Weather Update, Oil Spill Scenario Overview, Updates from the affected LGUs, Updates from BFAR, Effects, Preparedness Measures and Response Actions, and updates of activities on each agency.
- Continuous conduct of on-shore and off-shore water quality monitoring for analysis of oil and grease and dissolved oxygen. However, water quality monitoring stations were reduced due to exceeding of threshold capacity of EMB R4A- REL for Oil & Grease analysis since July 31,2024 sampling. Areas/stations with traces of oil were prioritized.
- EMB R4A conducted monitoring on the recovered oil-contaminated wastes of LGUs with the following findings:

## **PCGNCR-CL**

25 July 2024

- Provided updates on the ongoing situation of the affected areas.
- Coordinated with concerned government agencies regarding the Oil Spill incident.
- Activated Tier III Oil Spill Response.
- Activated the PCG Incident Management Team.
- Directed CG Stations to monitor the Marine Protected Areas (MPA) within their AoR.
- Mobilized all available PCG oil spill response equipment.

26 July 2024

- MRRV-4403 and MRRV-4407 conducted spraying of dispersants at vicinity 8.9 NM North of Masukol, Bataan and Navotas City.
- Conducted aerial surveillance to assess the extent of oil spill.
- Prepositioned oil spill booms at the coastlines of Bulacan and Navotas City.
- Coordinating meeting with the shipowner and contracted salvor (Harbor Star Shipping Services Inc.)

27 July 2024

- MRRV-4403 and MRRV-4407 continued the spraying of dispersants.
- Conducted aerial surveillance to assess the extent of oil spill from ground zero.
- OPV-8301 and FPB-2401 conducted monitoring and assessment to the status of oil spill near the sunken MTKR Terra Nova and vicinities.
- Deployed Oil Spill Response Equipment, SCAT and water sampling at Obando and Pamawaran, Bulacan

due to sightings of traces of oil.

28 July 2024

- OPV-8301 and MRRV-4407 conducted spraying of dispersant to areas with presence of oil slick and tar balls.
- FPB-2401 conducted monitoring on the status of oil spill at vicinity 3.2 NM of Hagonoy, Bulacan – observed no traces of oil.
- Conducted seawater monitoring and assessment along the coastlines of Cavite for possible oil sheen.
- OPV-8301 and MRRV-4407 laid-out 300-meter of spill boom at vicinity 2NM NE of sunken MTKR Terra Nova, but later secured due to unfavorable sea condition.
- Harbor Star reported that they were able to seal a certain number of PV valves of the sunken MTKR Terra Nova

29 July 2024

- MTUG ZANIAH utilized her water cannon to disperse the spilled oil at the vicinity of the sunken vessel MTKR Terranova
- Harbor Star sealed four (4) PV Valves. The total number of sealed PV Valves is 18 out of 24 and the salvor is continuously capping/sealing the remaining valves
- Conducted aerial surveillance to monitor and assess the area covered by the oil spill in the vicinity Manila Bay and the shorelines of Bulacan
- MRRV-4407 conducted spraying of dispersant on the oil escaping the spill boom 200 yards southwest of the sunken MTKR Terranova

30 July 2024

- Harbor Star sealed one (1) PV Valve. The total number of sealed PV Valves is 19 out of 24 and the salvor is continuously capping/sealing the remaining valves
- Conducted aerial surveillance to monitor ground zero and verify the reported oil sheens on the coastlines of Bataan, Pampanga, Cavite and Bulacan.
- CGS Cavite personnel conducted clean-up operations using oil absorbent pads on the oil sheens at vicinity shoreline off Paniman Beach Resort, Ternate, Cavite
- CGS Manila OSRT and MEPCOM personnel assisted Petron Corp. personnel in deploying a 300-meter offshore boom in the vicinity waters off Mangrove Nursery in Bulakan, Bulacan

31 July 2024

- Received information from Harbor Star that there were no signs of oil leak from the submerged MT TERRANOVA at 0700H.
- Deployed additional 100-meter shoreline boom at vicinity Bulakan, Bulacan.
- CGSS Rosario personnel sighted oil-contaminated debris and garbage in the shoreline of Isla Bonita, Silangan, Rosario, Cavite
- CGSS Tanza collected a total of one hundred six (106) plastic bags with all contaminated debris and plastics at the shoreline of Brgy. Amaya, Tanza, Cavite.

## **PIA CALABARZON**

01 August 2024

- Attended the Calabarzon RDRRMC Coordination Meeting on 01 August 2024.
- Active monitoring of agencies response efforts through the Regional Disaster Risk Reduction and Management Council
- Calabarzon and PIA Cavite Information Center.
- Active monitoring of areas affected by the oil spill in the province of Cavite.
- Produced news article, social media card, and video explainer on the recent response and advisories of the government relating to the oil spill.

## **DSWD CALABARZON**

31 July 2024

- Coordinated with the Office of the Governor and instructed the Crisis Intervention Section (CIS) and Disaster Response Management Division (DRMD) to closely coordinate with the PSWDO for the needed augmentation for the affected fisher folks.
- Instructed the RROS to coordinate with the NRLMB and request for the projected Family Food Packs needed to augment the response operations of the Provincial Government.
- Allocated stockpile and standby funds worth PhP 67,189,451.20

02 August 2024

- On-going hauling of 25,145 food packs for the affected families in Cavite Province.

## **DOH CALABARZON**

31 July 2024

- Issued Public Health Advisory advising local coastal communities on the health risks pose by the oil spill. Will provide medicines and PPEs to support response operations in the Province and conduct rapid health assessment.

## **BFAR CALABARZON**

- Conducted assessment, sensory evaluation, oil fingerprinting and water quality testing in the coastal areas of Cavite to check whether traces of oil seen in Cavite is related to the spill from MT Terranova

## **DOLE CALABARZON**

- To facilitate provision of TUPAD to the affected fisherfolks in the Province.

## **CAVITE PDRRMC**

CAVITE PDRRMC

26 July 2024

- Conducted PDRRMC Emergency Meeting last 26 July 2024 re Possible Oil Spill in the coastal waters of Cavite Province
- 24/7 monitoring and activation of the Operations Center
- Continuous hazard (Oil spill) monitoring and assessment
- Continuous monitoring and situation updating of LGUs
- Logistics and Emergency Response Team on stand-by
- Coordination and Reporting to PDRRMC chairperson and members
- Provide Situational Reports and coordinate with RDRRMC
- Coordination with PCG, DENR and PG-ENRO, and Response Organizations for situation updates and hazard/ risk assessment

27 July 2024

- Provided oil absorbent pads to the affected LGUs.

29 July 2024

- Installed a 1km long spill boom along the shoreline of Paniman Beach Resort and 200m improvised spill boom at Caylabne Beach Resort in Ternate.

01 August 2024

- Continuous clean-up drives are being conducted. 123 sacks of oil-contaminated materials were initially collected. Estimated 75 sacks were collected in Julugan 3, Tanza, Cavite.

CAVITE PROVINCIAL TOURISM OFFICE

31 July 2024

- Mapped-out the tourism establishments within the affected LGUs.

- Recommended the inclusion of the affected areas in the declaration of state of calamity.

#### TERNATE MDRRMO

26 July 2024

- Coordinated with the PDRRMO, PGENRO, and DENR Regional Office for the conduct of water sampling to check for oil spill contamination.
- Held an emergency meeting and discussed the disaster preparedness and response re oil spill in Limay, Bataan.
- Conducted coastal clean-up with OPENRO, PENRO, and Brgy. Officials of the coastal barangay with 22 sacks contaminated trash collected.
- MDRRMC conducted a meeting for the preparedness measure and adoption of resolution declaring a state of calamity at the municipality of Ternate.

31 July 2024

- The Sangguniang Bayan of Ternate also held a special session to pass a resolution declaring a state of calamity in the municipality.
- Incident Command System was activated.

01 August 2024

- Conducted an Information Education Campaign to provide guidance on immediate actions and reporting procedures in the event of an oil spill.
- Continuous monitoring by the Philippine Coast Guard in the Area of Responsibility.
- 4P's beneficiaries and volunteers joined in making improvised spill booms.
- DOLE-Cavite Provincial Office has committed to providing assistance to the fisherfolk of Ternate.
- The Incident Management Team members and Responsible Official Hon. Lamberto D. Bambao discussed actions and plans regarding the oil spill, including the following:
  - Tarpaulin Placement to inform the public about the fishing ban.
  - Distribution of relief packs by the LGU, supported by the Provincial Government of Cavite
  - Oil Spill Forecast
  - Improvised Spill Boom
  - Request for Protective Personal Equipments
  - Market Monitoring
  - Water Quality Monitoring
  - The mobilization of the Municipal Fisheries and Aquatic Resources Management Council (MFARMC) and Bantay Dagat.

#### NAIC MDRRMO

31 July 2024

- Convene the Local DRRM Council.
- Activated the Emergency Operations Center (EOC) and Incident Command System (ICS).
- Reviewed plans related to public order, safety and security, health emergencies and other human-induced hazards.
- Conducted coordination meeting with concerned offices, NGAs and barangays.
- Close monitoring of onshore and offshore situation for possible effects of oil spill.
- Mobilization of Bantay-Dagat, River Rangers and Barangay Responders.
- Continuous coordination with concerned Punong Barangays of 9 coastal barangays.
- CHO established Health and Welfare desks at 9 coastal barangays.
- Done inspection, preparation and prepositioning of logistical requirements
- Organized Emergency Response Team (ERTs) and monitoring and reporting teams.
- Continuous dissemination of advisories through social media platforms, IEC materials and other established warning system.
- Continuous fabrication of oil spill boom.

#### CAVITE CDRRMO

26 July 2024

- Conducted emergency meetings with CENRO, PCG, MAO, PNP, BFP, CHO, CSWDO and concerned BDRRMCs.
- Attended meetings with RDRRMC and PDRRMO.
- Pre-positioned watercrafts for continuous monitoring of AOR.

- Daily patrolling of vicinity waters by PCG, Bantay Dagat, and CENRO.
- Inspect, prepare and pre-position response supplies and equipment and other logistical requirements (Absorbent Pads).
- Inspect, prepare and pre-position Food and Non-food Items (F & NFI).
- Revisit arrangements with partner groceries.
- Organize Emergency Response Teams (ERTs).
- Organize monitoring and reporting teams.
- Conducted clean-up of contaminated debris.
- Continuous monitoring and dissemination of advisories through social media platforms, IEC materials, and other established warning systems.

## **NCR**

### **OCD NCR**

- Issued Memorandum no 18 s. 2024 with the subject Emergency Preparedness and Response Protocol ICOW Oil Spill in Manila Bay and Activation of the Virtual Emergency Operations Center to all MMDRRMC Response Clusters and NCR Local DRRM Offices.
- Conducted Pre-disaster Risk Assessment Meeting with MMDRRMC Response Clusters as well as coastal LGUs of NCR on 29 July 2024;
- Conducted MMDRRMC Emergency Meeting in preparation for the impending effects of oil spill on 30 July 2024.
- Virtual EOC activated to monitor effects of Oil Spill and establish faster coordination with response clusters and LGUs
- Continuous coordination and monitoring in response to the maritime incident

### **Navotas City**

- Attended numerous PDRA with NCR LGUs and National Government Agencies (DOST, OCD, DENR, PCG, etc.) re. Bataan Oil Spill.
- Conducted PDRA/emergency coordination meeting last July 26, 2024 via Zoom with barangays, PCG, CENRO, Health, BFAR, DENR, EMB, City Council, and other offices, and private sector re. Bataan Oil Spill.
- Prepositioning of Oil Spill Booms in strategic areas, including Tanza Marine Tree Park and Malabon-Navotas River entrance, should the oil spill reach the City of Navotas.
- Published numerous information about the oil spill incident, how to respond to it, and the situation reports from the authority.
- Prepositioning of supplemental oil spill booms from the ship builders, as coordinated by the City Government.
- Conduct regular coastal monitoring by barangays and Philippine Coast Guard to look out if the oil reached the AOR.
- DENR and BFAR, along with other agencies, conducted monitoring at Tanza Marine Tree Park to ensure the safety of the protected area from the oil spill on July 30, 2024 Further, conducted spraying of oil dispersants on July 26, 2024.
- Continuous coordination with barangays to confirm the status in their AOR.
- Prepared the equipment needed for oil spill cleanup should the need arise.

### **Parañaque City**

- Close coordination with PNP Maritime, PCG Sub Station Parañaque for any presence of oil slick/IFO in the coastal waters of the City.
- PCG Sub Station Parañaque together with PNP Maritime and DENR, installed around 100 meters of improvised oil spill boom at Fisherman's Wharf, Brgy. La Huerta on August 2, 2024.
- City DRRMO joined in the OCD press conference on the Bataan Oil Spill on August 2, 2024.

## Las Piñas City

### DRRMO

- Convene coordination meeting with relevant stakeholders
- Consolidation and immediate communication of Situation Reports to concerned offices
- If necessary, recommend the activation of EOC and IMT for efficient coordination and management of possible response efforts
- If necessary, recommend the declaration of state of calamity

### Agriculture office

- Databasing of fisherfolks that might be affected
- Urge fisherfolks to assist in monitoring and reporting oil slick sightings
- If necessary, recommend declaration of fishing ban and/or no catch zones
- Account and coordinate arrangements to acquire needed resources for alternative oil spill booms or similar devices
- Provide Situation Reports

### Market Masters

- Continuous monitoring of marine products in the market to prevent entry of contaminated supplies
- Provide Situation Reports

### CENRO

- As necessary, conduct of clean-up activities and other necessary actions to prevent environmental damage
- Continuous ambient air quality monitoring
- Provide situation reports
- Account and coordinate arrangements to acquire needed resources for alternative oil spill booms or similar devices

### CHO

- Issuance of health advisories and precautionary measures
- Establish Referral network with DOH Hospitals-Toxicology units
- Intensified disease surveillance
- Provide situation reports
- Provide drinking water kits

### CSWDO

- If necessary, distribute food packs and provision of other forms of social services and assistance to the affected population
- Provide situation reports

### CPDO

- Provide necessary data regarding possible impacts of the oil spill such as, but not limited to land area, population, economic loss
- Provide situation reports

### DILG

- Issue necessary memoranda, especially to barangays vulnerable to the impacts of the oil spill and assist in coordination with higher agencies.
- Assist in monitoring and reporting of oil slick sightings.
- Provide situation reports.

### BFP

- Organize standby teams for possible hazardous materials (HAZMAT) response.
- Assist in monitoring and reporting of oil slick sightings.
- Provide situation reports.

### PNP

- As necessary, provide personnel for augmentation to response activities to be conducted
- Law enforcement
- Assist in monitoring and reporting of oil slick sightings.
- Provide situation reports.



## **Pasay City**

- Attended the Joint NDRRMC – RDRRMC3 Emergency Meeting on the Oil Spill incident in the Province of Bataan via Zoom on July 29, 2024.
- PCENRO OIC Ronald Rae Salvador attended the series of meetings at Pampanga and MMDA for updates on the Oil Spill Incident.
- Close coordination with Barangays along waterways to monitor their AOR.
- Close Coordination with the Philippine Coast Guard CCP Sub Station for updates on the Oil Spill.
- Close monitoring of press briefing of the NDRRMC and DILG for the current situation and actions taken by the NDRRMC Members.
- Pasay City Disaster Risk Reduction and Management Council Chairperson, Mayor Imelda Calixto-Rubiano instructed and requested the deployed company in coastal development activities to monitor, stand by, and be ready to deploy the Oil spill booms.
- PCENRO and 201 BDRRMCs conducted clean-up activities in the tripa de galina and estero in every barangay .
- Continuous monitor the weather updates and available data (Rain probability and Air Quality PM2.5) <https://pasay-city.data-komunidad.com>.
- As of August 4, 2024, no monitored oil spill incident reported in the area of Pasay City.

## **DOST PAGASA**

- Provide technical support through its agencies like PAGASA for weather forecasting and monitoring
- Following the receipt of notification of the capsizing of MT TERRANOVA (re. NOTAM NSD No. 253-2024) and upon the instruction of the DOST Secretary, the DOST-PAGASA been providing specialized Marine Weather Forecast for Manila Bay area and Oil Spill Trajectory and Fate Forecast twice daily at 5:00 AM and 5:00 PM since Thursday, 25 July 2024.
- Specialized information regularly provided to the PCG Command Center (COMCEN), PCG O/CG-8, and OCD 24/7 Operations Center. Continuous monitoring of the situation.

## **DOH**

- Protection and promotion of public health
- Issued health advisories
- Daily monitoring of Water and Air Quality
- Disseminate information to the public regarding health precautions and symptoms of exposure to oil and related toxins
- Conducted coordination meetings with stakeholders
- Established referral network with DOH Hospitals -Toxicology Units
- Disease Surveillance was intensified to contain and minimize health effects
- Conducted water testing on water sources from affected areas
- Provided health promotion activities focusing on WASH
- Provided additional supplies and other basic WASH commodities
- Organized MHPSS teams on standby ready for deployment

## **DTI**

- Provided financial assistance to MSMEsp
- Conducted Capacity Building programs to MSMEs
- Provided Market Access Support
- Conducted Business Counseling and Advisory Services
- Collaborated with other Government Agencies

## **PCG**

- Conducted water sampling.
- 27 July 2024 - Deployed oil spill boom at the mouth of Tangos River to contain any possible entry of the oil spill.
- 28 July 2024 – Deployed 270 meters of oil spill boom at the Tanza Marine Eco Tree Park, Tanza Navotas to contain the possible oil spill.

- CGS Manila deployed seaborne and shore patrol inspection for any traces of oil spill within NCR area of responsibility.
- 01 August 2024 - CGSS Parañaque team conducted shoreline and foot patrol on the installed oil fence boom located at the mangrove area of Long Island to prevent the possible impact of oil spill in the said activity.
- Personnel from CGSS Sasmuan with MEPCOM conducted a foot personnel and continuous monitoring of possible traces of an oil spill within the AOR and yielded negative results
- BRP Sindangan (MRRV-4407) with MEPCOM personnel started preparing and mixing dispersants with sea water
- Conducted water testing using dispersants in the vicinity waters off 3.53 NM East of Lamao, Bataan. PCG team prepositioned a second layer of spill boom at ground zero to disperse the escaping oil
- BRP Sindangan (MRRV-4407) continued spraying dispersants on oil sheens trapped inside oil spill booms tied to MTUG Deneb and Minkar, MTUG Zaniah and Agena, located 1800 yards off ground zero. Two (2) layers of spill booms were observed laid by the Motor Tugs. No oil slicks were noticed only patches of thin oil sheens (transparent color) were observed
- MTUG Mangyan and MTUG Sambal conducted sea surveillance at ground zero and its adjacent area, resulting in a positive result. No oil spill or sheen was sighted in the said vicinity

## **Environmental Management Bureau – NCR**

- Conducted Ambient Air Quality Monitoring in existing stations in NCR.
- To establish additional Air Quality Monitoring stations near the coastal areas to aid in monitoring of effects to air quality due to the oil spill.

## **Bureau of Fisheries and Aquatic Resources - NCR**

- Conducted consultations to different LGUs regarding possible assistance to affected fisherfolk.
- To conduct water quality monitoring in coastal areas to determine effects of oil spill.
- Conducted ocular inspections within Manila Bay to check for oil spills in coordination with PCG-NCRCL.

## **Mandaluyong City**

- Establish EOC, an incident management and emergency response team to handle oil spill incidents, including trained personnel for containment and cleanup.
- Organize training sessions and simulation exercises for responders to ensure readiness and efficiency during an actual oil spill.
- Ensure availability of oil spill containment and cleanup equipment such as booms, skimmers, absorbents, and personal protective gear.
- Create a comprehensive oil spill response plan, including clear roles and responsibilities, communication protocols, and coordination mechanisms with neighboring cities and relevant agencies.
- Implement monitoring systems in collaboration with Coast Guard Sub-Station.
- Mandaluyong to detect early signs of an oil spill in Manila Bay and Pasig River, providing timely alerts for swift action.
- Educate the local community on the potential impacts of an oil spill and how they can contribute to prevention and response efforts.
- Alert all relevant authorities, response teams, and local communities about the oil spill threat.
- Rapidly deploy containment booms at strategic locations along the Pasig River to prevent the spread of oil.
- Activate clean-up operations.
- Implement evacuation procedures for affected areas if there is a risk to public health and safety.
- Conduct continuous water quality testing to assess the extent of pollution and guide the cleanup process.
- Provide medical and psychological support to affected residents, including temporary relocation if necessary.
- Maintain regular communication with the public, media, and stakeholders to provide updates on response efforts and safety measures.