



MEMORANDUM FOR THE SECRETARY

THRU : **USEC. MARILOU G. ERNI**
Chief of Staff and Supervising Undersecretary for
Strategic Communications
Task Force Commander, Task Force Naujan Oil Spill

FROM : **THE REGIONAL DIRECTOR**
EMB – MIMAROPA Region

SUBJECT : **CONSOLIDATED SITUATIONAL REPORT RE OIL SPILL IN
NAUJAN, ORIENTAL MINDORO**

DATE : 28 April 2023

This is to apprise the Undersecretary on the situation regarding the oil spill due to capsized vessel in Naujan, Oriental Mindoro and the actions taken by the DENR – EMB MIMAROPA Region:

I. SITUATIONAL OVERVIEW

On 28 February 2023, it was reported by various media outlets that MT Princess Empress, an oil tanker, carrying more or less 800,000 liters of industrial oil, sank off along the coast of Tablas Strait in Balingwan Point, Naujan, Oriental Mindoro.

Based on the preliminary reports from the Philippine Coast Guard (PCG) situated in Oriental Mindoro, the vessel came from Bataan and on its way to Iloilo when it encountered engine trouble due to overheating until it drifted towards the coast of Balingawan Point and eventually submerged.

On 01 March 2023, Governor Humerlito Dolor of the Province of Oriental Mindoro has officially reported through his Facebook account that the MT Princess Empress has sunk.

Relative thereto, the Department, through its various social media platforms, posted an official statement announcing the creation of “Task Force Naujan Oil Spill” which will be headed by Undersecretary and Chief of Staff Marilou Erni as Task Force Commander.

The Philippine Coast Guard, particularly its Marine Environmental Protection Command, is designated as the lead agency tasked with response operations in its affected area.

In response to the reports that the capsizing of the vessel resulted to an oil spill from the diesel fuel of the ship, this Office has immediately deployed personnel from the

Provincial Environmental Management Unit – Oriental Mindoro to conduct water sampling in areas which have been identified to have been potentially affected by the oil spill.

On 03 March 2023, Mayor Jennifer Cruz of LGU – Pola, Oriental Mindoro has declared a state of calamity, due to the massive extent of the impact of the oil spill in the Municipality of Pola, Oriental Mindoro.

Later that day, Petron Philippines issued a statement wherein it has clarified that the 800,0000 liters of industrial fuel oil carried by MT Princess Empress was not sourced from the Petron Bataan Refinery nor does the company own the fuel oil cargo carried by the vessel. Petron adds that the company has stopped producing fuel oil since 2016.

Petron also announced that their Waterborne Industry Oil Spill Equipment (WISE) has already been deployed to assist in the containment of the oil spill. The WISE vessel reached the incident site at 3:20 AM of March 1, 2023 and is now in coordination with the Philippine Coast Guard.

Furthermore, Petron's Bataan Refinery and Mabini Terminal have also extended assistance by making their oil spill boom teams and equipment available to further aid in the containment and clearing operations.

On the evening of 03 March 2023, RDC REIELD MARINE SERVICES (RDC), the registered owner of MT Princess Empress, issued a statement through various media outlets.

In their statement, RDC announced that they have already deployed technical experts on the ground, air, and sea to conduct an assessment of the affected areas and come up with an effective dispatch strategy for containing and mitigating the oil spill on the shoreline.

Further, RDC also stated that they have been assisting the PCG in procuring oil spill collection equipment, such as disposable PPEs, open-ended drums, gas masks, and diesel allocation, among others.

Lastly, RDC ensured the concerned local government units of their commitment in providing support despite limited resources and that the company will continue to work closely with the authorities and affected communities until the matter is fully resolved.

At 6:48 PM of 03 March 2023, PCG Region 6 posted an update through the official social media platform, regarding the presence of an undetermined quantity of oil slick within the shorelines of Semirara Island and Liwagao Island in Caluya, Antique.

As of 04 March 2023, the PCG, through their official social media accounts, has confirmed that the impact of the oil spill has reached the shorelines of Caluya, Antique.

Specifically, oil slicks were found in the following barangays of Caluya, Antique, to wit:

1. Sitio Sabang, Brgy. Tinogboc (1 kilometer);
2. Liwagao Island, Brgy. Sibolo (2 kilometers);
3. Sitio Tambak, Brgy. Semirara (2 kilometers)

On the same day, Governor Dolor of the Province of Oriental Mindoro has issued a letter addressed to the Embassy of Japan, through Sec. Enrique Manalo of the Department of Foreign Affairs, requesting for assistance and provision of Oil Containment Booms and other equipment that will help contain the oil spill and mitigate the damage to the waterbodies of Oriental Mindoro.

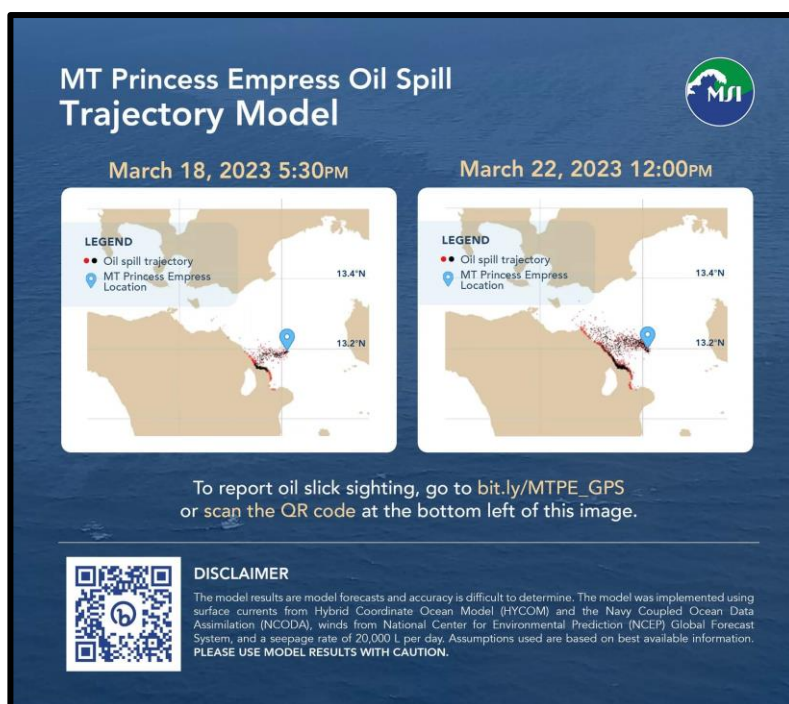
Furthermore, the Provincial Health Office – Oriental Mindoro directed the local residents to temporarily cease from participating in coastal clean-up operations due to lack of protective gears.

As of 06 March 2023, the Provincial Government of Mindoro has declared a state of calamity in seventy-six (76) coastal barangays across nine municipalities of Oriental Mindoro due to the massive impact caused by the oil spill to the following municipalities, to wit:

1. Municipality of Naujan
2. Municipality of Pola
3. Municipality of Pinamalayan
4. Municipality of Gloria
5. Municipality of Bansud
6. Municipality of Bongabong
7. Municipality of Roxas
8. Municipality of Mansalay
9. Municipality of Bulalacao

On the same day, the Sangguniang Bayan of Caluya, Antique has also passed Resolution No. 31 placing the municipality under the state of calamity. Specifically, the Resolution identified Sitio Sabang in Brgy. Tinogboc, Taong, Banua Proper, and Sitio Balibago in Brgy. Semirara, and Sitio Liwagao in Brgy. Sibolo as areas which have been affected by the oil spill in Antique.

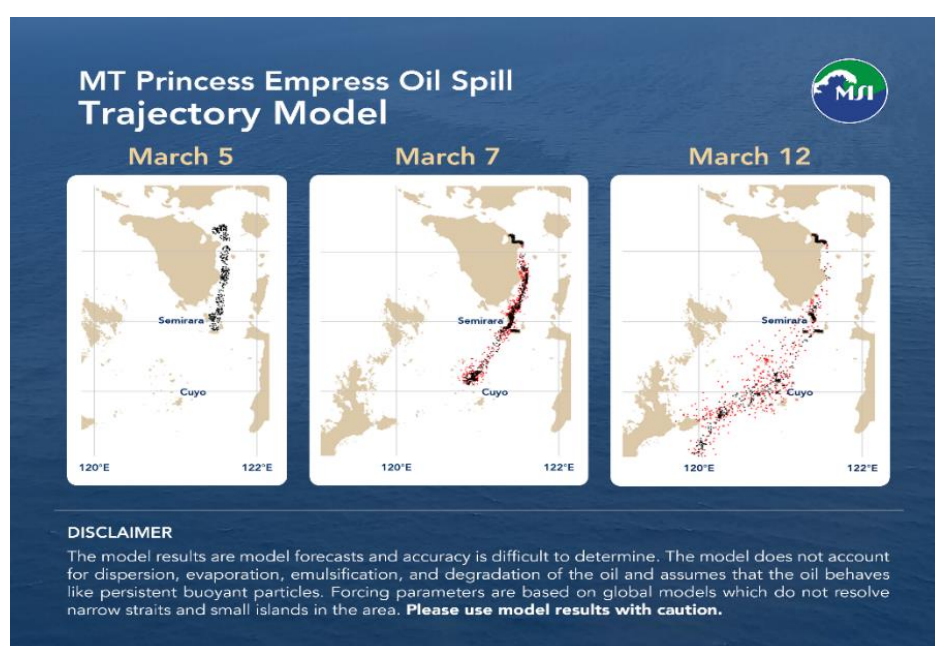
On 18 March 2023, the University of the Philippines – Marine Science (UP-MSI) posted an update on their Facebook page stating that the Oil spill trajectories show northward shift with Calapan possibly receiving most of the oil from March 20-22,2023.



The latest satellite image on March 15 shows that the oil is still leaking out of the sunken vessel. Oil spill trajectories for March 16-22 show a northward shift with Calapan possibly receiving most of the oil from March 20-22. Westward currents along the coast of northern Mindoro towards the Verde Island Passage are forecasted to be more pronounced for this period. The Amihan winds, which contained most of the oil to the coasts of Nauhan and Pola in the previous weeks, are now more variable, allowing the oil to spread northwards. It is critical to stop the seepage before the end of the Amihan season, otherwise more critical biodiversity areas along the Verde Island Passage may be affected.

PALAWAN

On 05 March 2023, UP-MSI posted an update wherein based on their forecast, it was projected that the oil spill will reach Cuyo Islands and get closer to northern Palawan in about a week's time. The projected trajectory of the oil slick is shown in the images for March 7 and March 12, and initialized with spill locations in the image for March 5.



According to the model, the projected spill will continue due southwest to Cuyo Group of Islands (as seen in the image for March 7) and will get closer to northern Palawan mainland in about a week's time (as seen in the image for March 12).

On the same day, the Municipal Disaster Risk Reduction Management Office of Agutaya, Palawan (MDRRMO) has confirmed that presence of oil slicks has been sighted at Brgy. Concepcion and Algeciras in Agutaya, Palawan.

Subsequently, on 10 March 2023, the Philippine Coast Guard, thru their official social media accounts, has reported that the oil spill has already reached the shores of Brgy. Casian, Taytay, Palawan. Based on their initial report, Brgy. Casian is located 159 nautical miles or 295 kilometers away from Naujan, Oriental Mindoro.

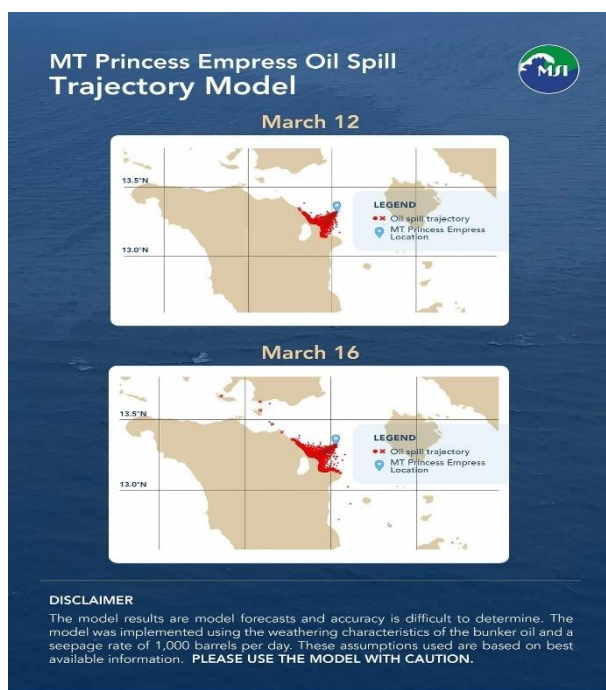
On 12 March 2023, this Office received a copy of the Situational Reports from the Provincial Disaster Risk Reduction Management Office (PDRRMO) - Palawan dated 11 and 12 March 2023 on the preparedness for oil spill response of the province.

Based on their report, Brgys. Concepcion and Algeciras in Agutaya, Palawan have been cleared of oil spill sightings since March 8, 2023.

The PDRRMO also confirmed the presence of traces of brownish oil in the shorelines of the following barangays and sitios in Taytay, Palawan, to wit:

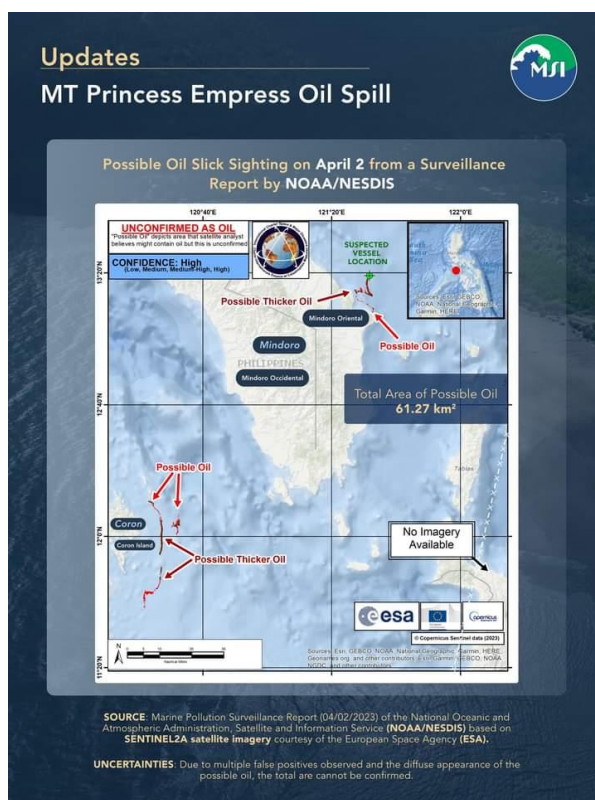
1. Sitio Amogis
2. Sitio Calumpang
3. Brgy. Calawag
4. Brgy. Biton

At around 4:00 PM of 12 March 2023, UP – MSI posted an update wherein according to their trajectory model, it is predicted that the oil spill will reach the Verde Island Passage due to weakening Amihan.



The recent simulation focusing on the area of the tanker's location for March 10 to 16 shows that with continuous seepage of oil, most of the oil will end up along Naujan coast and Pola Bay. However, due to the weakening Amihan, some of the oil may flow northwards towards the Verde Island Passage by March 16, affecting coastal areas of Calapan, Verde Island, and some parts of Batangas.

On 03 April 2023, UP-MSI posted an update regarding the possible oil slick sighting dated 02 April 2023. It was from the Surveillance Report of National Oceanic and Atmospheric Administration, Satellite and Information Services (NOAA/NESDIS).



According to the report, possible oil was seen near the location of the suspected vessel at Oriental Mindoro, Coron and Coron Island. The total area of possible oil slick was 61.27km².

II. ACTIONS TAKEN BY DENR

Since 01 March 2023, EMB – MIMAROPA Region along with our technical teams from the Regional Environmental Laboratory, Provincial Environmental Management Unit (PEMU) – Oriental Mindoro and Occidental Mindoro have been working non-stop in collecting and analyzing the water samples from areas affected by the oil spill, coordinating and providing technical assistance to local government units and other concerned government agencies and assisting in clean- up operations.

On 05 April 2023, Environmental Research and Laboratory Services Division (ERLSD) of EMB Central Office interpreted the result of analyses from Analytical Support Services for Environmental Technologies, Inc. (ASSET, INC.) through CRL Environmental Corporation on the samples collected in relation to the Naujan Oil Spill Incident. Thus, the following were the interpretations and comments:

- The majority of the collected water samples did not show detection of Polynuclear Aromatic Hydrocarbons (PAHs), particularly, Benzo(a)pyrene which is currently the only PAH included in DENR AO 2016-08. Hence, it could be inferred that the locations where these samples were collected did not contain significant levels of PAHs that could have been enriched by spilled oil (for reasons such as, but not limited to, natural weathering or degradation of the oil or conduct of any cleanup activities in these areas);
- For the sediments, the majority of the samples did not show detection of the PAHs analyzed, except for sample with Laboratory ID PH004866-006 where nine (9) out of the eighteen (18) PAHs were detected. It is noted that Benzo(a)pyrene was not detected in the sediments. PAHs are naturally- occurring compounds especially in

PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro

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coal, gasoline, and other fuels, hence, assuming that this is from the spilled oil using only this data is premature. PAH profile of the oil leaking from the vessel should be analyzed also before any deductions could be made; and

- In relation to the fuel fingerprinting, the samples analyzed were compared to chromatographic patterns of different fuel standards of which only motor oil and diesel showed resemblance in the patterns obtained from the samples. However, it would be useful if a chromatographic pattern of the pure oil that is leaking from the sunken vessel will also be compared with the patterns from the samples. This way, preliminary data could be obtained to verify if the patterns from these samples were related to the oil contamination from the vessel or from other sources. This preliminary data should be further verified by analysis of specific PAHs, for example, to verify compositional relationships between the oil signatures from these sites with that of the spilled fuel from the vessel.

ORIENTAL MINDORO

On April 24, 2023, EMB MIMAROPA monitored the collection of drums and tonner bags with oil-contaminated materials from Naujan, Oriental Mindoro. Far East Fuel Corp., transporter, collected three (3) drums and three (3) tonner bags, and transferred it to the temporary storage area located in Pola, Oriental Mindoro.



On 25 April 2023, EMB MIMAROPA team together with the CENRO, Harbor Star, PCG, ITOPF and CEDRE conducted site assessment in the affected areas of Brgy. Calima, and Brgy. Batuhan, Pola, Oriental Mindoro.





PALAWAN

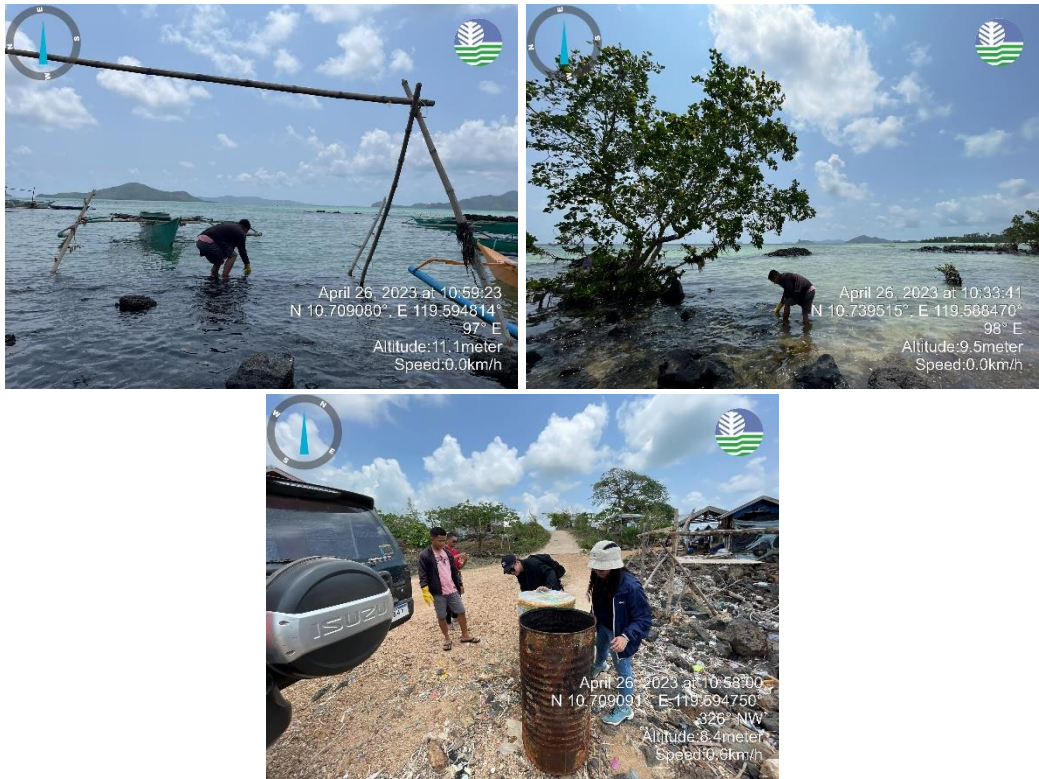
On 18 April 2023, the team collected 5 kg of oil-contaminated waste from Calawag Proper and transferred it into the drum with half full of oil-contaminated waste in So. Calumpang, Brgy. Calawag, Taytay, and Palawan.



On the same day, the team from EMS Coron and Philippine Coast Guard conducted validation regarding the alleged sightings of oil slick at Sitio Payatpat, Brgy. Buenavista, Coron, Palawan. Based on their report, no sightings of oil were observed during the validation.



On 26 April 2023, EMB Palawan team conducted water quality sampling at stations in Taytay, Palawan. Moreover, the team check the conditions of the hazardous waste collected in Sitio Calumpang, Brgy. Calawag, Taytay, Palawan. The team will also be coordinating the Philippine Coast Guard and the Local Government Unit of Taytay, Palawan for the proper handling of hazardous waste.



On 27 April 2023, EMB Palawan team in participation of PCGA and PCG conducted water quality sampling at island stations in Taytay, Palawan.



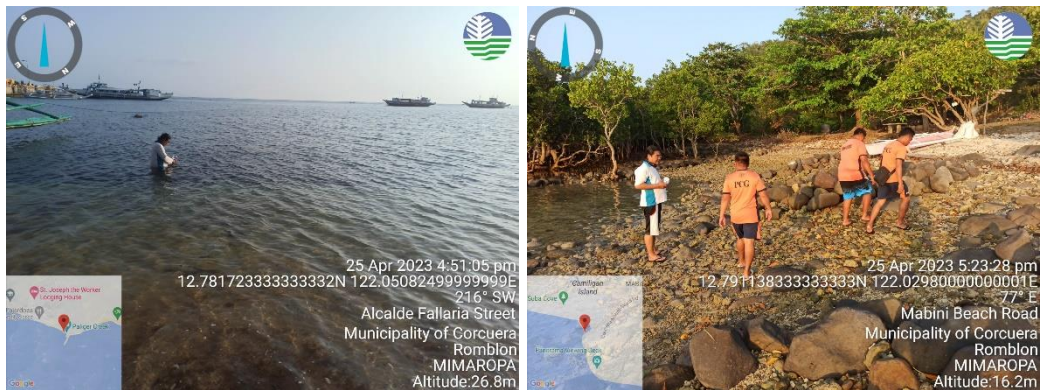
OCCIDENTAL MINDORO

On 03 April 2023, this Office received a report from LGU of Calintaan, Occidental Mindoro alleging that the oil spill has already reached the coastal area of Ragara Beach, Brgy. Concepcion, Calintaan, Occidental Mindoro.

On 04 April 2023, PEMU – Occidental Mindoro Personnel conducted an onsite validation at the coastline of Ragara Beach, Brgy. Concepcion, Calintaan, Occidental Mindoro. During the inspection, presence of solidified oil slicks was seen along the coastline of the beach. However, it is recommended to conduct further validation to determine whether the source of the oil slick originated from the sunken MT Princess Empress.

ROMBLON

On 25 April 2023, the team from EMS Romblon together with the PCG of Corcuera conducted water quality sampling in Corcuera, Romblon in relation to the recent report of oil spill sighting in Corcuera, Romblon.



III. WAYS AHEAD

This Office commits to continue to coordinate with provincial/local government units as regards clean-up operations, water quality sampling, technical assistance in the collection and transporting of hazardous wastes, and cash for work programs for individuals affected by the oil spill.

This Office commits to continuous monitoring and strategize sampling frequency of water quality sampling in areas affected by oil spill.

This Office shall Source apportionment analysis for PM10 filter paper samples collected from Baco Station, Calapan Station, and Naujan Station of the BCN Airshed.

This Office shall monitor the implementation of the Clean-up Plan submitted by Harbor Star specifically on the hauling, storage, and disposal of hazardous waste.

ROMBLON

This Office shall conduct site inspection at Brgys. Agpanabat, Sablayan, and Agnipa in Romblon, Romblon after this Office received reports of alleged sightings of oil spill and oil contaminated materials within the coastline of Brgys. Agpanabat, Sablayan and Agnipa in the Municipality of Romblon, Romblon. It is also important to verify whether the source of this alleged oil spill originated from the sunken MT Princess Empress.

This Office shall coordinate with the Philippine Coast Guard and concerned LGUs for the conduct of clean-up activities and immediate installation of spill booms in all waterbodies potentially affected by the oil spill.

OCCIDENTAL MINDORO

This Office shall conduct further validation to determine whether the source of the oil slick originated from the oil spill caused by the sunken MT Princess Empress.

This Office shall coordinate with the Philippine Coast Guard and concerned LGUs for the conduct of clean-up activities and immediate installation of spill booms in all waterbodies potentially affected by the oil spill.

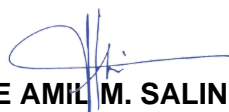
ORIENTAL MINDORO

This Office shall conduct water quality sampling in various sampling stations located in Oriental Mindoro on May 2-3, 2023.

PALAWAN

This Office shall be coordinating with the Philippine Coast Guard and the Local Government Unit of Taytay, Palawan for the proper handling of hazardous waste.

For the Undersecretary's information, reference and further instructions, if any.


JOE AMIL M. SALINO

Copy furnished:

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R4B-2023-008116