

TASK FORCE MT. PRINCESS EMPRESS OIL SPILL INCIDENT

SITUATIONAL REPORT NO. 36

06 April 2023

I. SITUATIONAL OVERVIEW

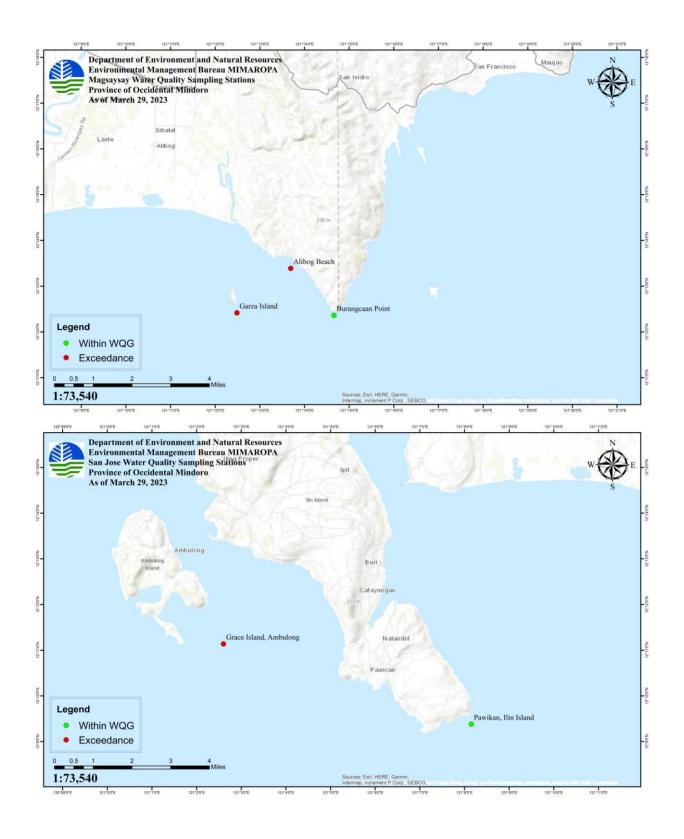
AFFECTED AREAS

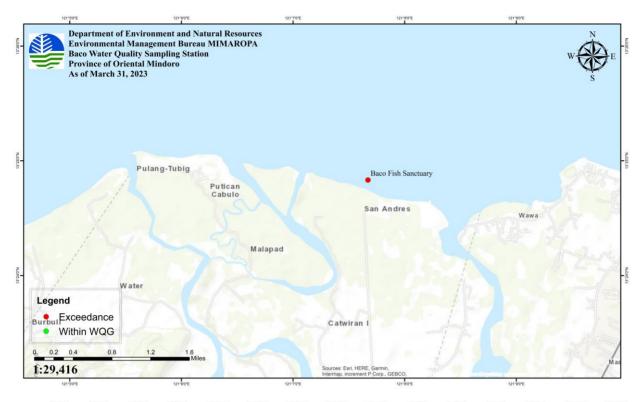
REGION	PROVINCES	CITIES/ MUNICIPALITIES	REMARKS
MIMAROPA	Oriental Mindoro	 Bansud Bongabong Bulalacao Gloria Mansalay Naujan Pola Pinamalayan Roxas 	Sangguniang Panlalawigan Resolution No. 6290-2023 dated 06 March 2023 declared 78 coastal barangays of nine (9) municipalities of Oriental Mindoro affected by the oil spill under the state of calamity.
	Palawan	1. Agutaya 2. Taytay	

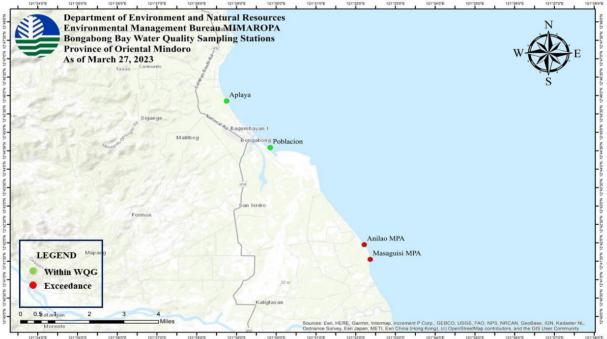
WATER QUALITY MONITORING

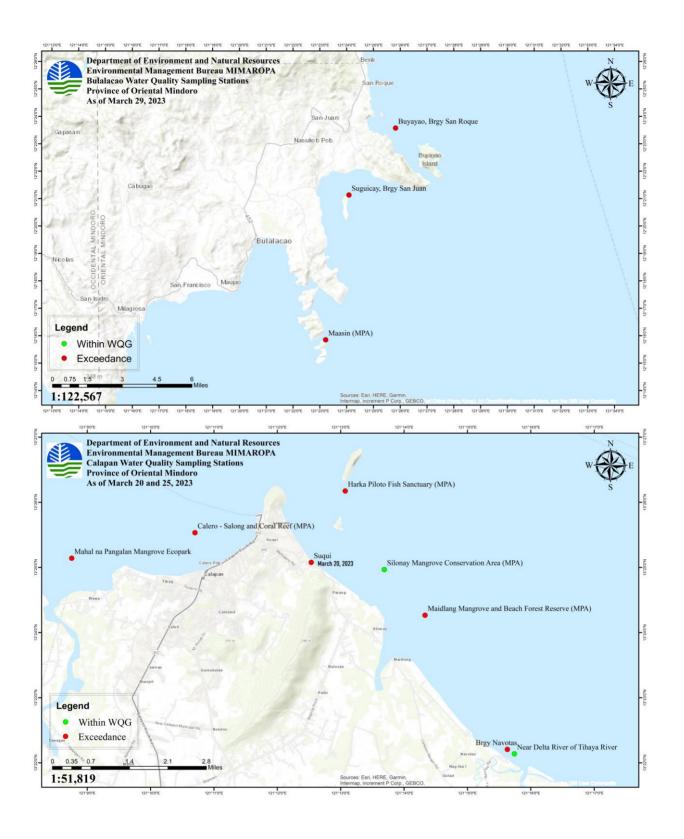
		TOTAL	SAMPLING STATION	IS:	DATE OF LAST
PROVINCE	CITY/ MUNICIPALITY	TOTAL SAMPLING STATIONS IN THE CITY/MUN.	WITHIN NORMAL WQG	EXCEEDED WQG	SAMPLING CONDUCTED
OCCIDENTAL MINDORO	MAGSAYSAY	3	1	2	29 March 2023
OCCIDENTAL MINDORO	SAN JOSE	2	1	1	29 March 2023
ORIENTAL MINDORO	BACO	1	0	1	31 March 2023
ORIENTAL MINDORO	BONGABONG	4	2	2	27 March 2023
ORIENTAL MINDORO	BULALACAO	3	0	3	29 March 2023
ORIENTAL MINDORO	CALAPAN CITY	8	2	6	20-25 March 2023
ORIENTAL MINDORO	GLORIA	8	3	5	27 March 2023
ORIENTAL MINDORO	MANSALAY	2	0	2	29 March 2023
ORIENTAL MINDORO	NAUJAN	9	0	9	27 March 2023
ORIENTAL MINDORO	POLA	9	1	8	27-28 March 2023
ORIENTAL MINDORO	PINAMALAYAN	6	1	5	27 March 2023
ORIENTAL MINDORO	PUERTO GALERA	33	9	24	30 March 2023
ORIENTAL MINDORO	ROXAS	4	3	1	27 March 2023
ORIENTAL MINDORO	SAN TEODORO	2	0	2	31 March 2023
PALAWAN	ΤΑΥΤΑΥ	19	5	14	17 March 2023
	Total	113	28	85	

PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro Regional Satellite Office: 6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila Office of the Regional Director: **(02) 8536 9786**; Administrative and Finance Division: **(02) 8536 9786** Environmental Management and Enforcement Division: **(02) 8633 2587**; Clearance and Permitting Division: **(02) 8633 2587** Records Management Unit: **(02) 8633 8900** E-mail Address: <u>embmimaropa@emb.gov.ph</u> Website: <u>www.mimaropa.emb.gov.ph</u>

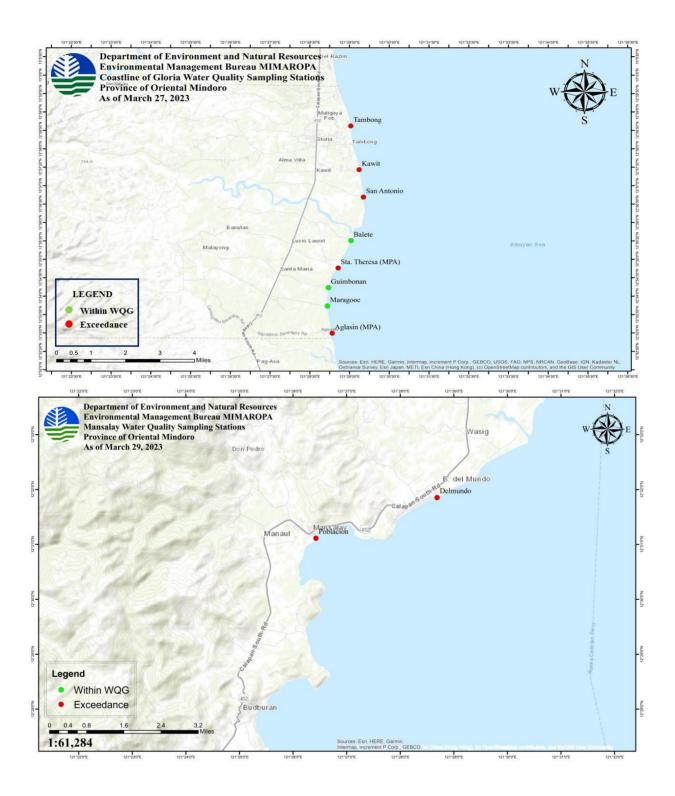


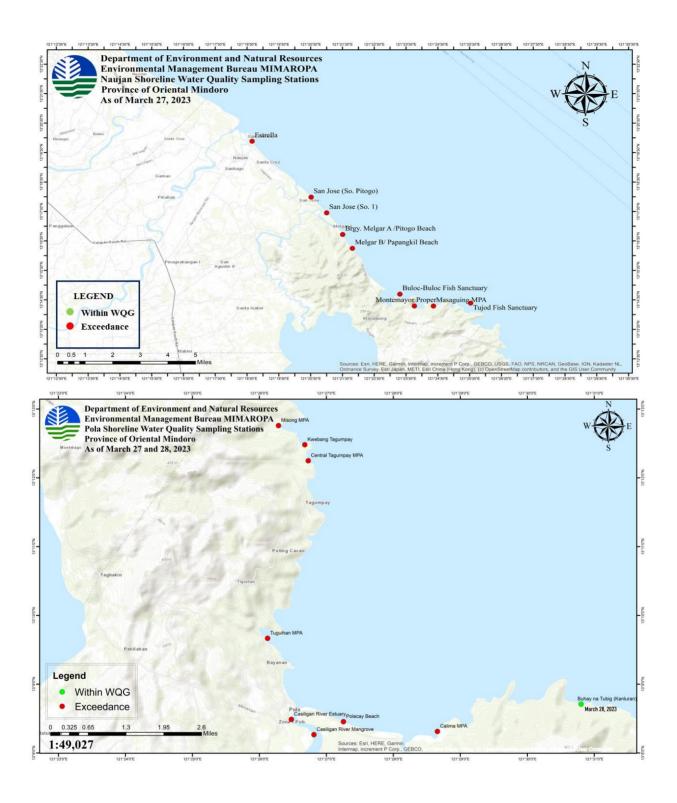


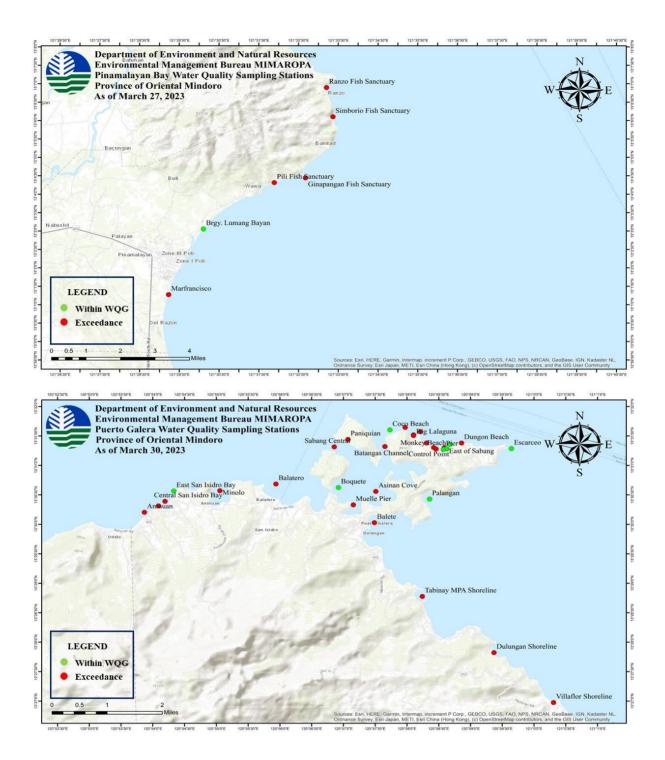


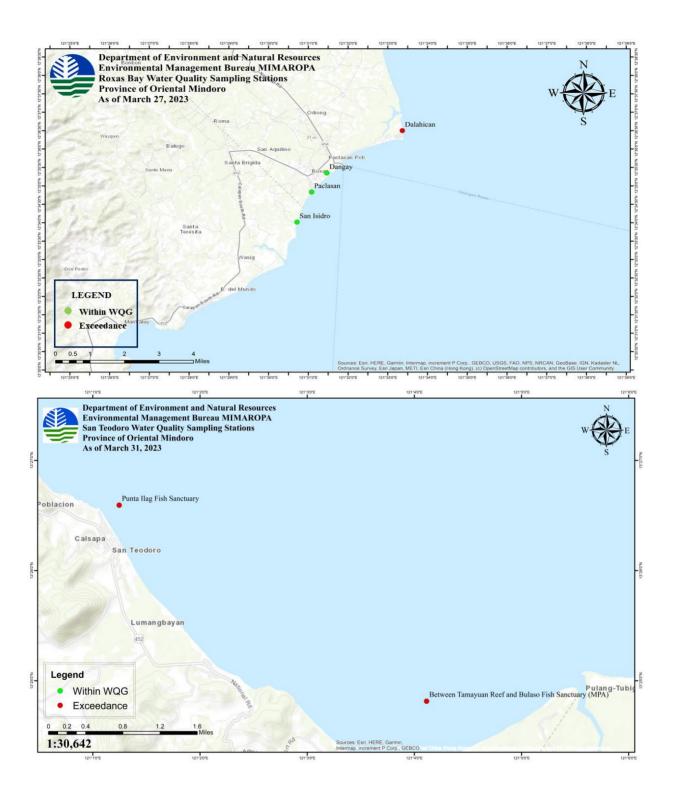


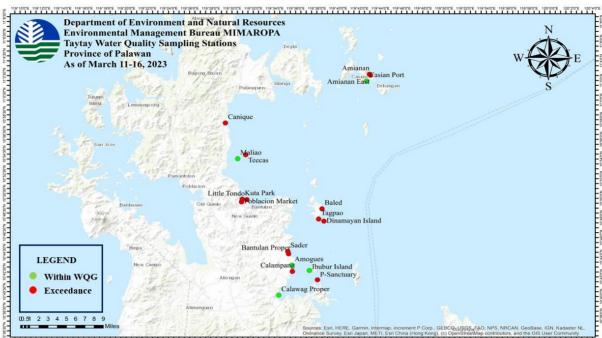
Website: www.mimaropa.emb.gov.ph











Ordnance Survey, Exi Japan, METI, Esi China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community IPriore IIPrizee IIPrivee IIPrivee IIPrizee IIIPrizee IIPr

AIR QUALITY MONITORING

		NO. OF SAMPLING STATIONS							
PROVINCE CITY/ MUNICIPALIT	••••	TOTAL SAMPLING	H₂S (1) IN-SITU		TVOC (2) IN-SITU		VOCs (Lab Results from CRL)		DATE OF LAST SAMPLING
		STATIONS IN THE CITY/MUN.	NOT DETECTED	DETECTED	NOT DETECTED	DETECTED	NOT DETECTED	DETECTED	CONDUCTED
ORIENTAL MINDORO	CALAPAN CITY	1	0	1	0	1	0	0	H ₂ S and TVOC: 25 March 2023
ORIENTAL MINDORO	NAUJAN	1	0	1	0	1	0	0	H ₂ S and TVOC: 25 March 2023
ORIENTAL MINDORO	POLA	4	0	4	0	4	4	0	H ₂ S and TVOC: 17 and 24 March 2023; VOC: 9-10 March 2023
ORIENTAL MINDORO	pinamalaya N	3	0	3	0	3	0	0	H ₂ S and TVOC: 23 March 2023
	Total	9	0	9	0	9	4	0	

Note:

While H2S were detected in the abovementioned sampling locations, the results did not exceed the W.H.O. Standards.
 Based on the in-situ sampling, Total Volatile Organic Compounds (TVOC) was detected in the absence of EMB Standards.

Sources	Benzene	Ethyl Benzene	m,p-Xylene	o-Xylene	Toluene
Brgy. Misong (P00136674-02)	ND	ND	ND	ND	ND
Brgy. Buhay na Tubig (P00136674-04)	ND	ND	ND	ND	ND
Brgy. Calima (P00136674-06)	ND	ND	ND	ND	ND
Brgy. Buhay na Tubig (P00136674-08)	ND	ND	ND	ND	ND

Results of Volatile Organic Compounds (VOCs) on March 9-10, 2023 Sampling

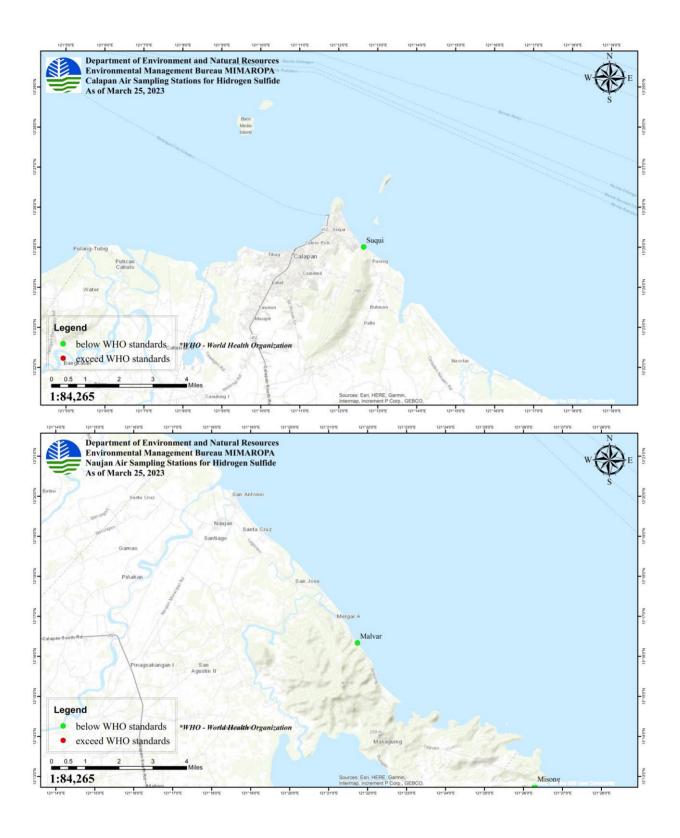
Note: **ND** means **NOT DETECTED** by the method used. No traces of analytes detected from the sample analyzed and the sample collected only represents the source during the time of collection. Samples were collected by CRL and analyzed by ASSET Inc. Laboratories.

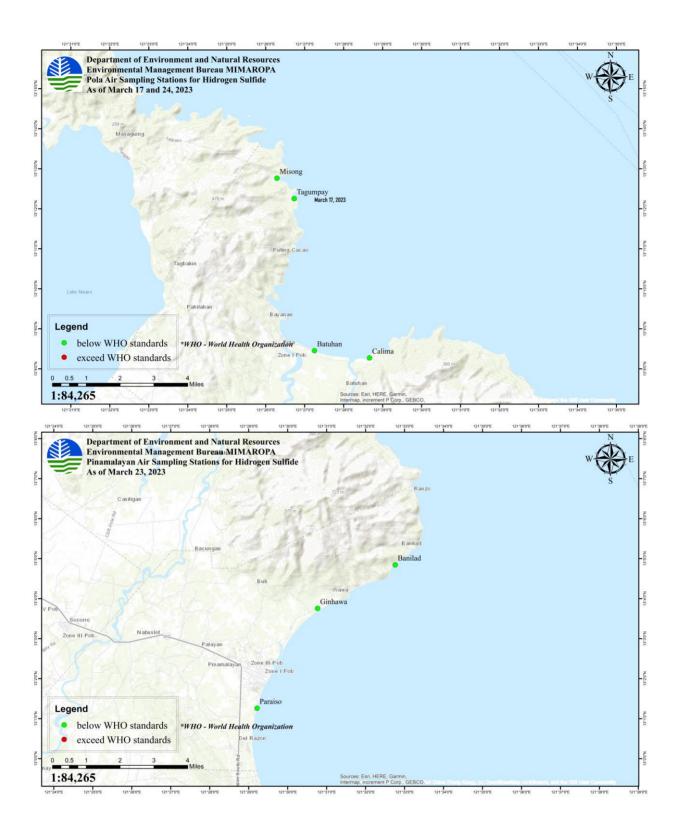
Results of Total Volatile Organic Compounds (TVOCs) on March 15-25, 2023 Sampling

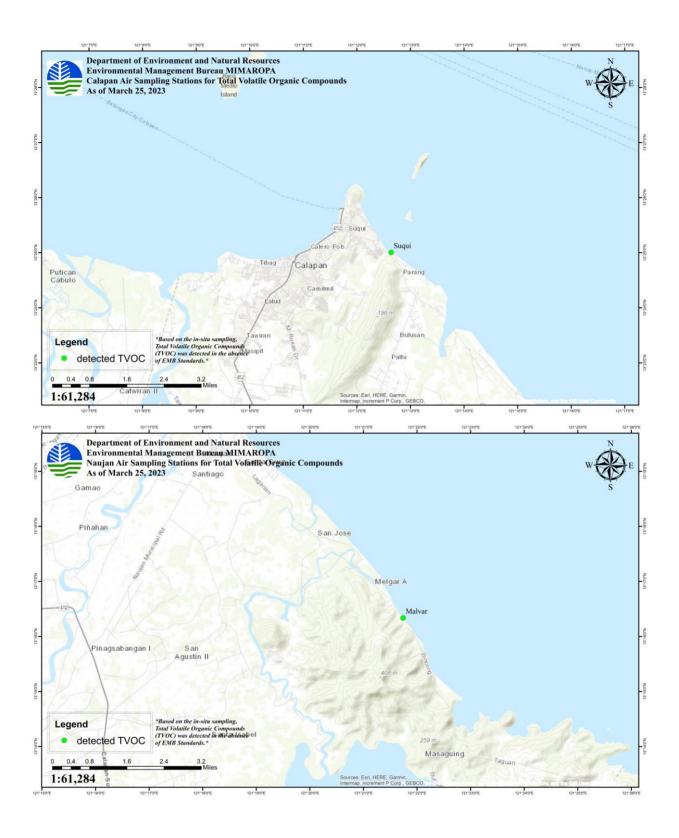
PROVINCE	SOURCE (Municipality/City)	LOCATION (Barangay)	TVOC (mg/m³)	DATE OF SAMPLING
			0.015	15 March 2023
			0.046	16 March 2023
		BRGY. CALIMA	0.017	17 March 2023
			0.024	24 March 2023
	POLA		0.011	16 March 2023
	FOLA	BRGY. MISONG	0.018	17 March 2023
			0.023	24 March 2023
ORIENTAL MINDORO		BRGY. BATUHAN	0.024	24 March 2023
		BRGY. TAGUMPAY	0.018	16 March 2023
			0.013	17 March 2023
	NAUJAN	BRGY. MALVAR	0.014	25 March 2023
	PINAMALAYAN	BRGY. PARAISO	0.011	23 March 2023
	PINAMALAYAN	BRGY. GINHAWA	0.023	23 March 2023
	PINAMALAYAN	BRGY. BANILAD	0.024	23 March 2023
	CALAPAN	BRGY. SUQUI	0.022	25 March 2023

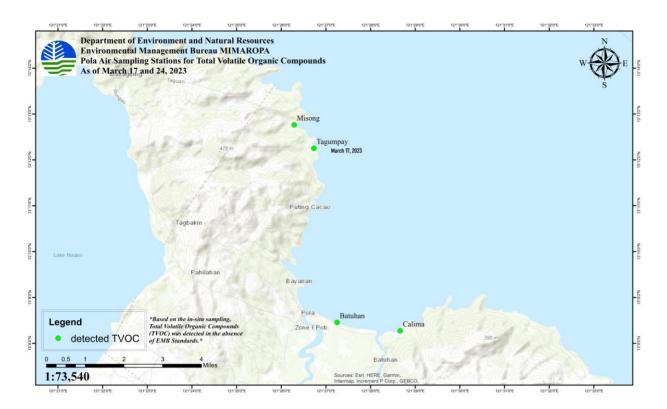
Results of Hydrogen Sulfide (H₂S) on March 15-25, 2023 Sampling

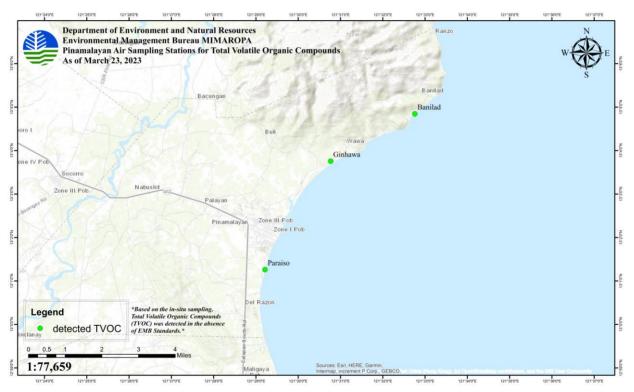
PROVINCE	SOURCE (Municipality/City)	LOCATION (Barangay)	H₂S (ppm)	DATE OF SAMPLING
			0.03	15 March 2023
		BRGY. CALIMA	0.03	16 March 2023
		DRGT. CALIWA	0.03	17 March 2023
			0.01	24 March 2023
	POLA		0.04	16 March 2023
		BRGY. MISONG	0.04	17 March 2023
			0.01	24 March 2023
ORIENTAL MINDORO		BRGY. BATUHAN	0.02	24 March 2023
		BRGY. TAGUMPAY	0.02	16 March 2023
			0.02	17 March 2023
	NAUJAN	BRGY. MALVAR	0.04	25 March 2023
	PINAMALAYAN	BRGY. PARAISO	0.02	23 March 2023
	PINAMALAYAN	BRGY. GINHAWA	0.03	23 March 2023
	PINAMALAYAN	BRGY. BANILAD	0.05	23 March 2023
	CALAPAN	BRGY. SUQUI	0.02	25 March 2023













WASTE COLLECTION

	CITY/	OIL WASTE		OIL CONTAMINATED MATERIALS		AGENCIES/ ORGANIZATIONS	%
PROVINCE	MUNICIPALITY	CUM. VOLUME (IN LITERS)	CUM. WEIGHT (IN KG)	CUM. VOLUME (IN LITERS)	CUM. WEIGHT (IN KG)	INVOLVED IN THE COLLECTION	DISPOSED
ORIENTAL MINDORO	CALAPAN CITY			1,249.2	1,124.28	PCG, Harbour	0
ORIENTAL MINDORO	NAUJAN			4,373.76	3,936.384	Insurance, local communities under	0
ORIENTAL MINDORO	POLA			101,497.5	91,347.75	Cash for Work Program (DSWD)	31.28%
PALAWAN	TAYTAY			520.5	468.45		0
Т	OTAL			107,640.96	96,876.864		

Conversion:

1 Drum of Oil Contaminated Materials= 205.5 Liters

1 Liter of Oil Contaminated Materials= 0.9 kg

DONATIONS MONITORING

DONOR	ITEMS DONATED / SERVICES	RECIPIENT CITY/ MUNICIPALITY	FOCAL PERSON
DMCI Power Corp.	50 pcs Drums	LGU - Pola	
Power One Corporation	30pcs Drums	LGU - Pola	
Occidental Mindoro Consolidated Power Corp.	15 pcs Drums	LGU - Pola	

Temasek Foundation through Filinvest Land Inc.	70 Boxes (1000pcs/box) of KN95 mask 5 Boxes (1000pcs/box) of KN95 mask 2 Boxes (1000pcs/box) of KN95 mask		Jennifer M. Cruz 8 March 23 Meynardo Axalan 9 March 2023
	5 boxes of Absorbent Pads		
Coral Bay Nickel Mining	 11 pieces 3M 6200 Half Facepiece Respirator (Medium) 14 pairs 3M 6003 Organic Vapor/Acid Gas Cartridge 28 pieces 3M 5N11 Particulate Filter, N95 28 pieces 3M 501 Filter Retainer 14 pieces 3M 4750 Chemical Protective Coverall (Large) 15 boxes Nitrile Gloves 14 pairs Boots Chemical Resistant 3 pieces 3M 6800 Full Facepiece Respirator (Medium) 	EMB – MIMAROPA Region	Atty. Alessa May V. Ismael (23 March 2023)
First Gen Corporation	424 pcs Mini Boom Spill 132 pcs Mini Boom Spill 3 packs (100pcs/pack) Oil Sorbent Pads 3 rolls (49m x 0.96m x 0.35cm per roll) Oil Sorbent Rolls 4 pcs Open Top Drums 12 pcs Closed Top Drums 5 boxes (75pcs/box) Heavy-Duty Plastic Bag 45 boxes (20 pcs/box) N95 masks 10 boxes (50 pcs/box) N95 masks 40 pairs Nitrile Gloves 5 boxes (100 pcs/box) Latex Gloves, small 4 boxes (162 bars/box) Hand Soaps		Meynardo Axalan 9 March 2023
Prime Energy Resources	54 pcs UN Drums (210 Liters)		
Development	10 tote tanks (1cum). Oil Spill Boom Reels (Tank Capacity:		
First Gen Corporation	300L) Oil Spill Boom (Inflatable booms in 2 reels) Dispersants 600 Liter	PCG Oriental Mindoro	

II. ACTIONS TAKEN

- Continuous air and water monitoring and sampling of stations in Occidental Mindoro, Oriental Mindoro and Palawan.
- Continuous supervision and technical assistance in the Hazardous waste management.
- Provide technical assistance in the fabrication and installation of spill booms made from alternative materials.
- Coordination with local government units and other concerned government agencies pertaining to clean-up operations, assistance in livelihood projects of affected residents and fisherfolks.
- Genetron International Marketing, hazardous waste transporter, started to haul all the drums and tonner bags in the temporary storage area at Philippine Ports Authority (PPA)-Pola, Oriental Mindoro. The drums containing hazardous waste will be treated by Separ Environmental Corporation located at 600 3rd St., Banaban, Angat, Bulacan.

The tentative number of drums and tonner bags to be hauled are 298 and 30 bags respectively. The drums consist of 249 plastic drums and 49 metal drums.

III. WAYS AHEAD

- Continuous monitoring and strategize sampling frequency of water quality sampling in areas affected by oil spill.
- Continuous coordination 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.
- To assist OCEANUS (NGO) in the site selection in connection with their proposal to use eco-friendly dispersant.
- EMB will conduct water sampling for VOC analysis on identified locations in Municipality of Naujan, Pola and Calapan.
- EMB will conduct ambient water sampling for the parameters of VOCs (BTEX) for seawater, river and ground water.
- Source apportionment analysis for PM10 filter paper samples collected from Baco Station, Calapan Station, and Naujan Station of the BCN Airshed.
- To monitor the implementation of Clean-up Plan submitted by Harbor Star specifically on the hauling, storage, and disposal of hazardous waste.

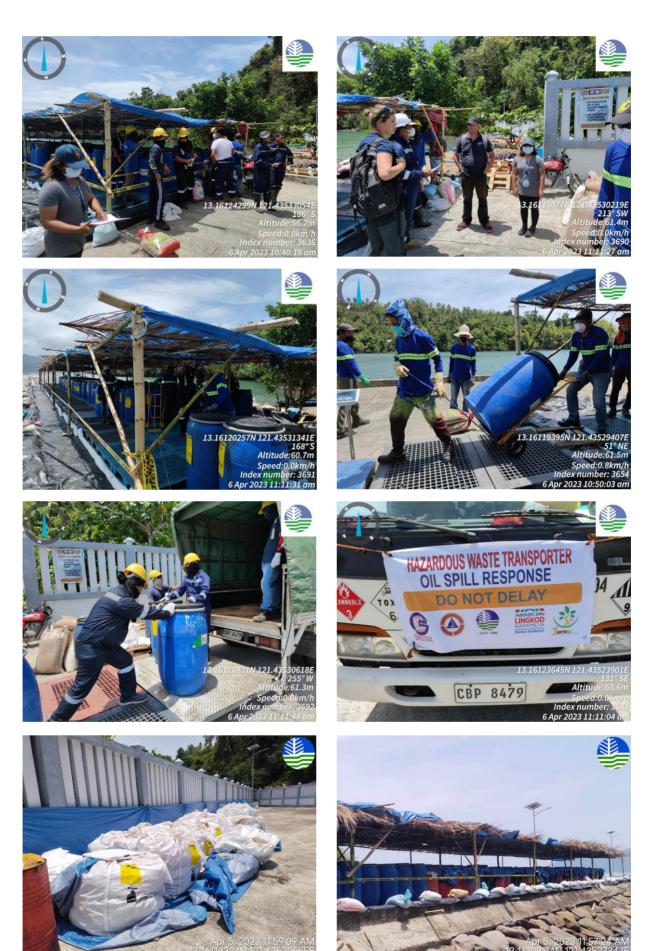
JOE AMIL M. SALINO Regional Director EMB – MIMAROPA Region





R4B-2023-006597

ANNEX 1



PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro Regional Satellite Office: 6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila Office of the Regional Director: **(02) 8536 9786**; Administrative and Finance Division: **(02) 8536 9786** Environmental Management and Enforcement Division: **(02) 8633 2587**; Clearance and Permitting Division: **(02) 8633 2587** Records Management Unit: **(02) 8633 8900** E-mail Address: <u>embmimaropa@emb.gov.ph</u> Website: <u>www.mimaropa.emb.gov.ph</u>

PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro Regional Satellite Office: 6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila Office of the Regional Director: **(02) 8536 9786**; Administrative and Finance Division: **(02) 8536 9786** Environmental Management and Enforcement Division: **(02) 8633 2587**; Clearance and Permitting Division: **(02) 8633 2587** Records Management Unit: **(02) 8633 8900** E-mail Address: <u>embmimaropa@emb.gov.ph</u> Website: <u>www.mimaropa.emb.gov.ph</u>