

DSWD DROMIC Report #4 on Kanlaon Volcano Eruption as of 05 June 2024, 6PM

I. Situation Overview

Alert Level 2 (Increased or Moderate Level of Volcanic Unrest) was raised for Kanlaon Volcano at 8:00 PM of 03 June 2024 after a moderately explosive eruption occurred at the summit crater at 6:51 PM earlier in the evening. The event was recorded as an E-type earthquake that lasted six (6) minutes based on seismic data and produced a five (5) kilometer-high voluminous eruption plume. All ten (10) seismic stations, three (3) infrasound stations and two (2) visual monitors of the Kanlaon Volcano Network (KVN) recorded the explosion. Thermal camera monitors showed material collapsing from the incandescent plume forming Pyroclastic density currents (PDCs) that descended the southern slopes to a distance of two (2) to three (3) kilometers. Incandescent ballistic ejecta were also observed to rain down from the eruption plume. Rumbling sounds generated by the eruption were heard in La Castellana and La Carlota City, Negros Occidental and Canlaon City, Negros Oriental. Coarse ashfall reportedly fell upon barangays of these same areas and Bago City, Negros Occidental. Sulfurous odors were also experienced by residents in these areas as well as in Kanlaon Volcano Observatory-La Carlota City (KVO-LCC) and as far away as Murcia, Negros Occidental and Bacolod City.

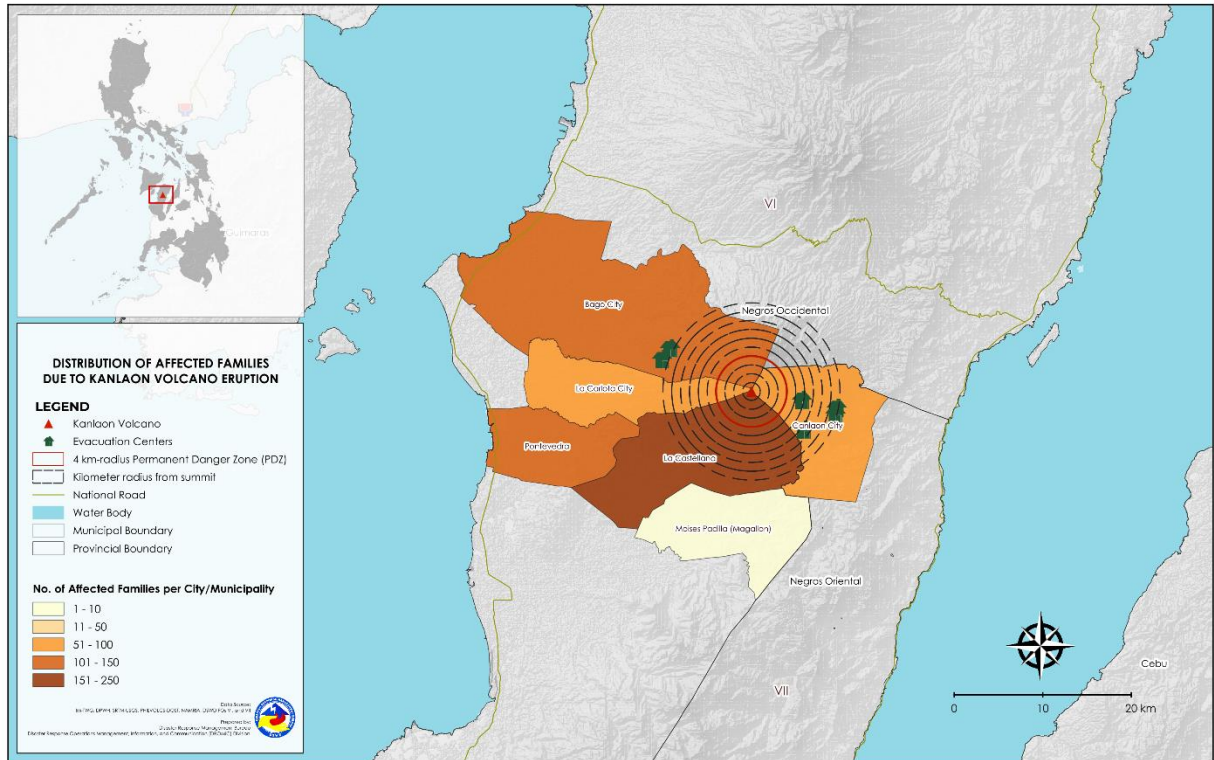
The 6:51 PM explosive eruption was preceded at 6:47 PM by a ML3.5 volcano-tectonic or VT event at a depth of approximately 10 kilometers some two (2) kilometers north of the summit crater. VT earthquakes are associated with rock-fracturing that can be induced by thermal or pressure-related stresses with the volcanic edifice. Kanlaon has been exhibiting periodic swarms of VT earthquakes since Alert Level 1 was raised in March 2020. Since 2023 alone, five (5) advisories on increased seismic activity have been released, the latest of which was last 26 May 2024. In addition, volcanic SO₂ gas emission has been unsteadily increasing since May 2023 and has averaged 1,273 tonnes/day this year, substantially above the background emission of <300 tonnes/day. Lastly, real-time ground deformation monitoring indicates that the Kanlaon edifice has been undergoing a long-term very slow-rate swelling or inflation since March 2022 based on GPS parameters and a short-term inflation since April to July 2023 based on electronic tilt parameters.

Explosive activity at Kanlaon on 03 June 2024 was immediately succeeded by profuse degassing from the summit crater that waned by 8:20 AM on 4 June 2024 based on camera monitors. Post-eruptive degassing likely entrained volcanic ash that fell as light ashfall on the southwest sector of the volcano as reported by a KVO-LCC survey team. As of 04 June, a total of 84 weak low-frequency volcanic earthquakes events have been recorded by the KVN, consistent with current low-level degassing from the Kanlaon crater. SO₂ emission measured by campaign survey today has reached 4,113 tonnes/day, the highest flux this year and the second highest ever measured from Kanlaon.

Source: DOST-PHIVOLCS KANLAON VOLCANIC ACTIVITY REPORT

II. Status of Affected Areas and Population

A total of **644 families** or **2,342 persons** are affected in **22 barangays** in **Regions VI** and **VII** (see Annex A).



III. Status of Displaced Population

a. Inside Evacuation Center

There are **324 families** or **1,266 persons** currently taking temporary shelter in **eight (8) evacuation centers** in **Regions VI** and **VII** (see Annex B).

b. Outside Evacuation Center

There are **69 families** or **385 persons** temporarily staying with their relatives or friends (see Annex E).

c. Total Displaced Population

There are **393 families** or **1,651 persons** displaced in **Regions VI** and **VII** (see Annex F).

IV. Cost of Humanitarian Assistance Provided

A total of **₱2,054,112.85** worth of assistance was provided to the affected families; of which, **₱1,367,577.00** from the **DSWD**, and **₱686,535.85** from the **Local Government Unit (LGU)** (see Annex G).

V. Response Actions and Interventions

a. DSWD FNI Augmentation to Field Offices

REGION	REQUESTED FFPs		DISPATCHED FFPs			STATUS	
	DATE	QTY	DATE	QTY	SOURCE	[In-Transit, Delivered]	DATE
VI	03 June 2024	20,000	04 June 2024	10,200	Valenzuela	In-transit	-
	05 June 2024	10,000	05 June 2024	10,000	VDRC	In-transit	-
VII	03 June 2024	20,000	03 June 2024	5,000	VDRC	Delivered	4 Jun 2024
			03 June 2024	5,000	VDRC	Delivered	4 Jun 2024
			04 June 2024	10,000	VDRC	Delivered	5 Jun 2024

Note: DSWD FNI Augmentation to FOs as of 05 June 2024, 4PM.

Source: DSWD-DRMB and DSWD-NRLMB

b. Standby Funds and Prepositioned Relief Stockpile

OFFICE	STANDBY FUNDS	STOCKPILE			TOTAL STANDBY FUNDS & STOCKPILE
		FAMILY FOOD PACKS		OTHER FOOD AND NON-FOOD ITEMS (FNIs)	
		QUANTITY	TOTAL COST		
TOTAL	376,939,547.09	1,483,670	1,211,722,859.72	1,145,141,500.96	2,733,803,907.77
DSWD CO	306,992,183.46	-	-	-	306,992,183.46
NRLMB NROC	-	115,649	86,031,698.26	179,637,632.51	265,669,330.77
NRLMB VDRC	-	76,176	40,416,040.00	38,072,746.62	78,488,786.62
DSWD FO VI	5,000,000.00	26,392	16,188,704.00	24,876.90	21,213,580.90
DSWD FO VII	5,000,000.00	62,184	37,430,442.68	45,339,272.86	87,769,715.54
Other FOs	59,947,363.63	1,203,269	1,031,655,974.78	882,066,972.07	1,973,670,310.48

Note: The Inventory Summary is as of 05 June 2024, 6PM.

Source: DSWD-DRMB and DSWD-NRLMB

1. Standby Funds

- ₱306.99 million Quick Response Fund (QRF) available at the DSWD Central Office.
- ₱10 million available at DSWD FOs VI and VII.
- ₱59.95 million available in other DSWD FOs which may support the relief needs of the families affected by the Kanlaon Volcano eruption through inter-FO augmentation.

2. Prepositioned FFPs and Other Relief Items

- 191,825 FFPs available in Disaster Response Centers; of which, 115,649 FFPs are at the National Resource Operations Center (NROC), Pasay City and 76,176 FFPs are at the Visayas Disaster Resource Center (VDRC), Mandaue City.
- 89,576 FFPs available at DSWD FOs VI and VII.
- 1,203,269 FFPs in other DSWD FOs which may support the relief needs of the families affected by the Kanlaon Volcano eruption through inter-FO augmentation.
- ₱1.15 billion worth of other FNIs at NROC, VDRC, and DSWD Field Office Warehouses.

c. Food and Non-food Items (FNIs)

DSWD FO VI

DATE	ACTIVITIES
05 June 2024	<ul style="list-style-type: none"> DSWD FO VI facilitated the provision of FFPs to the affected families in the municipalities of La Carlota and La Castellana in the province of Negros Occidental.
04 June 2024	<ul style="list-style-type: none"> DSWD FO VI provided FNIs to the affected families in Negros Occidental. DSWD FO VI augmented FFPs the LGUs of Bago City, La Castellana and La Carlota City.
03 June 2024	<ul style="list-style-type: none"> DSWD FO VI distributed sleeping kits to the families affected by the Kanlaon Volcano eruption.

DSWD FO VII

DATE	ACTIVITIES
05 June 2024	<ul style="list-style-type: none"> DSWD FO VII facilitated the delivery FNIs to the Dumaguete Warehouse in Negros Oriental, readily available for augmentation to the affected families. DSWD FO VII distributed FNIs to the families affected by the Kanlaon Volcano Eruption in two (2) evacuation centers in Negros Oriental.
04 June 2024	<ul style="list-style-type: none"> DSWD FO VII distributed FNIs to the families affected by the Kanlaon Volcano Eruption in Canlaon City. DSWD FO VII facilitated the delivery of FNIs (Family Kits, Hygiene Kits, Kitchen Kits and Sleeping Kits) to Canlaon City. DSWD FO VII provided assistance in the unloading of FFPs in Canlaon City. DSWD FO VII provided assistance in the dispatch of FFPs from the Visayas Disaster Resource Center (VDRC) in Mandaue City to the DSWD Dumaguete Warehouse in Negros Oriental.

d. Internally Displaced Person (IDP) Protection

DSWD FO VI

DATE	ACTIVITIES
04 June 2024	<ul style="list-style-type: none"> DSWD Field Office VI facilitated the conduct of psychosocial activities for children and youth evacuees displaced at the La Castellana Elementary School due to the Kanlaon Volcano Eruption.

e. Camp Coordination and Camp Management (CCCM)

DSWD FO VI

DATE	ACTIVITIES
05 June 2024	<ul style="list-style-type: none"> DSWD FO VI provided technical assistance to the MSWDO of La Castellana, Negros Occidental.
04 June 2024	<ul style="list-style-type: none"> DSWD FO VI closely monitored the open evacuation centers and provided technical assistance in the management of the camps.

DSWD FO VII

DATE	ACTIVITIES
04 June 2024	<ul style="list-style-type: none"> DSWD FO VII through its Disaster Response Management Division in coordination with the affected LGUs provided technical assistance in CCCM.

f. Other Activities

DSWD DRMG

DATE	ACTIVITIES
05 June 2024	<ul style="list-style-type: none"> Disaster Response Management Bureau (DRMB) closely coordinates with DSWD FOs VI and VII for significant disaster response updates relative to the eruption of Kanlaon Volcano. DRMB closely coordinates with DOST-PHIVOLCS for significant updates and other related information relative to the Kanlaon Volcano eruption. National Resource and Logistics Management Bureau (NRLMB) ensures the replenishment and availability of FNIs for resource augmentation to DSWD FOs as need arises.
04 June 2024	<ul style="list-style-type: none"> DSWD Secretary Rex Gatchalian together with the Disaster Response Management Group (DRMG) Undersecretary Diana Rose Cajipe and DSWD FO VII Regional Director Shalaine Lucero meets with the local officials of Negros Oriental to discuss disaster response efforts for the families affected by the Kanlaon Volcano Eruption. Secretary Gatchalian and Usec. Cajipe also provided supervision on the ongoing disaster response operations and visited the evacuation centers to check the conditions of the displaced families and persons. NRLMB facilitated the delivery of FFPs from the Visayas Disaster Resource Center (VDRC) in Mandaue City to the DSWD Dumaguete Warehouse in Negros Oriental to provide additional relief items intended for families / persons affected by the Kanlaon Volcano Eruption.
03 June 2024	<ul style="list-style-type: none"> DSWD Secretary Rex Gatchalian provided instructions through a meeting with the Regional Directors of FOs VI and VII on how to efficiently respond to the families and individuals affected by the Kanlaon Volcano eruption.

DSWD FO VI

DATE	ACTIVITIES
05 June 2024	<ul style="list-style-type: none"> DSWD FO VI closely coordinated with the affected LGUs and other concerned offices for significant updates and any requests for augmentation.
04 June 2024	<ul style="list-style-type: none"> DSWD FO VI Regional Director Carmelo N. Nochete presented the DSWD Response Operations update during the Pre-Disaster Risk Assessment of the Regional Disaster Risk Reduction and Management Council (RDRRMC) 7. DSWD FO VI deployed their Mobile Command Center (MCC) in the province of Negros Occidental to provide all necessary support to disaster affected areas. DSWD FO VI activated its Emergency Operation Center (EOC) and Quick Response Team (QRT) to monitor situation, provide technical assistance and resource augmentation to the affected community. DSWD FO VI Assistant Regional Director for Administration (ARDA) and Disaster Response Management Division (DRMD) Chief along with the DRMD Staff were deployed to the province of Negros Occidental to monitor and provide necessary augmentation.

DSWD FO VII

DATE	ACTIVITIES
05 June 2024	<ul style="list-style-type: none"> ● DSWD FO VII led by Regional Director Shalaine Lucero together met with the officials of the LGU of Canlaon City and BLGU of Masulog and Pula to discuss the distribution of relief assistance to families affected by the Kanlaon Volcano eruption. ● DSWD FO VII through its Disaster Response Information Management Section – Disaster Response Management Division (DRIMS-DRMD) provided technical assistance on data validation to the Local Disaster Risk Reduction and Management Office (LDRRMO) of Canlaon City. ● DSWD FO VII closely coordinates with the affected LGUs and other concerned offices for significant updates and any requests for augmentation.
04 June 2024	<ul style="list-style-type: none"> ● DSWD FO VII deployed their Mobile Command Center (MCC) in the City of Kanlaon Occidental Mindoro to monitor the effects of Kanlaon Volcano Eruption.
03 June 2024	<ul style="list-style-type: none"> ● DSWD FO VII has mobilized their MCC in coordination with the Response Team for possible deployment to Canlaon City on 04 June 2024. ● DSWD FO VII has activated their Quick Response Team (QRT) in Negros Oriental in preparation for immediate response and maintained close coordination for timely updates regarding the incident.

Annexes

Annex A. Number of Affected Families / Persons

REGION / PROVINCE / MUNICIPALITY	NUMBER OF AFFECTED		
	Barangays	Families	Persons
GRAND TOTAL	22	644	2,342
REGION VI	18	561	1,945
Negros Occidental	18	561	1,945
<i>Bago City</i>	3	133	271
<i>La Carlota City</i>	4	65	261
<i>La Castellana</i>	9	238	973
<i>Moises Padilla (Magallon)</i>	1	5	20
<i>Pontevedra</i>	1	120	420
REGION VII	4	83	397
Negros Oriental	4	83	397
<i>Canlaon City</i>	4	83	397

Note: Ongoing assessment and validation being conducted.

Source: DSWD FOs

Annex B. Number of Displaced Families / Persons Inside Evacuation Center

REGION / PROVINCE / MUNICIPALITY	NUMBER OF EVACUATION CENTERS (ECs)		NUMBER OF DISPLACED INSIDE ECs			
			Families		Persons	
	CUM	NOW	CUM	NOW	CUM	NOW
GRAND TOTAL	17	8	558	324	1,889	1,266
REGION VI	13	6	504	270	1,725	1,102
Negros Occidental	13	6	504	270	1,725	1,102
<i>Bago City</i>	5	-	116	-	203	-
<i>La Carlota City</i>	3	3	34	34	136	136
<i>La Castellana</i>	3	3	236	236	966	966
<i>Moises Padilla (Magallon)</i>	1	-	5	-	20	-
<i>Pontevedra</i>	1	-	113	-	400	-
REGION VII	4	2	54	54	164	164
Negros Oriental	4	2	54	54	164	164
<i>Canlaon City</i>	4	2	54	54	164	164

Note: Ongoing assessment and validation being conducted.

Source: DSWD FOs

Annex C. Sex & Age Distribution of IDPs Inside Evacuation Center

REGION / PROVINCE / MUNICIPALITY	NUMBER OF EVACUATION CENTERS (ECs)		SEX & AGE DISTRIBUTION of IDPs INSIDE ECS													
			INFANT 0-6mos		TODDLERS 7 months- 2 y/o		PRESCHOOLERS 3-5 y/o		SCHOOL AGE 6-12 y/o		TEENAGE 13-17 y/o		ADULT 18-59 y/o		Elderly 60 and above	
	CUM	NOW	Male NOW	Female NOW	Male NOW	Female NOW	Male NOW	Female NOW	Male NOW	Female NOW	Male NOW	Female NOW	Male NOW	Female NOW	Male NOW	Female NOW
GRAND TOTAL	17	8	1	5	3	5	11	7	25	24	26	21	59	87	12	14
REGION VI	13	6	1	1	2	4	5	3	10	7	11	9	33	39	7	4
Negros Occidental	13	6	1	1	2	4	5	3	10	7	11	9	33	39	7	4
<i>La Carlota City</i>	3	3	1	1	2	4	5	3	10	7	11	9	33	39	7	4
<i>La Castellana</i>	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REGION VII	4	2	-	4	1	1	6	4	15	17	15	12	26	48	5	10
Negros Oriental	4	2	-	4	1	1	6	4	15	17	15	12	26	48	5	10
<i>Canlaon City</i>	4	2	-	4	1	1	6	4	15	17	15	12	26	48	5	10

Note: This version reflects the available sex and age-disaggregated data of the IDPs inside the evacuation centers (ECs). DSWD FOs VI and VII in coordination with the affected LGUs are continuously gathering data per sex and age breakdown of the displaced population inside ECs.

*Ongoing assessment and validation being conducted.

Source: DSWD FOs

Annex D. Sectoral Distribution of IDPs inside ECs

REGION / PROVINCE / MUNICIPALITY	NUMBER OF EVACUATION CENTERS (ECs)		PREGNANT NOW	LACTATING MOTHERS NOW	SOLO PARENTS		PERSONS W/ DISABILITY	
	CUM	NOW			Male NOW	Female NOW	Male NOW	Female NOW
GRAND TOTAL	17	8	3	8	1	1	2	2
REGION VI	13	6	3	8	1	1	2	2
Negros Occidental	13	6	3	8	1	1	2	2
La Carlota City	3	3	3	8	1	1	2	2
La Castellana	3	3	-	-	-	-	-	-
REGION VII	4	2	-	-	-	-	-	-
Negros Oriental	4	2	-	-	-	-	-	-
Canlaon City	4	2	-	-	-	-	-	-

Note: DSWD FOs VI and VII in coordination with the affected LGUs are continuously gathering data on the sectoral breakdown of the displaced population inside the evacuation centers.

*Ongoing assessment and validation being conducted.

Source: DSWD FO VII

Annex E. Number of Displaced Families / Persons Outside Evacuation Center

REGION / PROVINCE / MUNICIPALITY	NUMBER OF DISPLACED OUTSIDE ECs			
	Families		Persons	
	CUM	NOW	CUM	NOW
GRAND TOTAL	86	69	453	385
REGION VI	57	40	220	152
Negros Occidental	57	40	220	152
Bago City	17	-	68	-
La Carlota City	31	31	125	125
La Castellana	2	2	7	7
Moises Padilla (Magallon)	-	-	-	-
Pontevedra	7	7	20	20
REGION VII	29	29	233	233
Negros Oriental	29	29	233	233
Canlaon City	29	29	233	233

Note: Ongoing assessment and validation being conducted.

Source: DSWD FO VI

Annex F. Total Number of Displaced Families / Persons

REGION / PROVINCE / MUNICIPALITY	NUMBER OF DISPLACED TOTAL			
	Families		Persons	
	CUM	NOW	CUM	NOW
GRAND TOTAL	644	393	2,342	1,651
REGION VI	561	310	1,945	1,254
Negros Occidental	561	310	1,945	1,254
Bago City	133	-	271	-
La Carlota City	65	65	261	261
La Castellana	238	238	973	973
Moises Padilla (Magallon)	5	-	20	-
Pontevedra	120	7	420	20
REGION VII	83	83	397	397
Negros Oriental	83	83	397	397
Canlaon City	83	83	397	397

Note: The decrease in the number of displaced families and persons inside evacuation center in Canlaon City is based on the validated report submitted by DSWD FO VII.

*Ongoing assessment and validation being conducted.

Source: DSWD FOs

Annex G. Cost of Assistance Provided to Affected Families / Persons

REGION / PROVINCE / MUNICIPALITY	COST OF ASSISTANCE				GRAND TOTAL
	DSWD	LGU	NGOs	OTHERS	
GRAND TOTAL	1,367,577.00	686,535.85	-	-	2,054,112.85
REGION VI	927,560.00	686,535.85	-	-	1,614,095.85
Negros Occidental	927,560.00	686,535.85	-	-	1,614,095.85
<i>Bago City</i>	<i>127,680.00</i>	<i>94,500.00</i>	-	-	<i>222,180.00</i>
<i>La Carlota City</i>	<i>246,043.00</i>	-	-	-	<i>246,043.00</i>
<i>La Castellana</i>	<i>474,702.00</i>	<i>429,845.85</i>	-	-	<i>904,547.85</i>
<i>Pontevedra</i>	<i>79,135.00</i>	<i>162,190.00</i>	-	-	<i>241,325.00</i>
REGION VII	440,017.00	-	-	-	440,017.00
Negros Oriental	440,017.00	-	-	-	440,017.00
<i>Canlaon City</i>	<i>440,017.00</i>	-	-	-	<i>440,017.00</i>

Note: The reflected DSWD assistance covers the cost of food and non-food items provided to the affected families / individuals.

Source: DSWD FOs

Annex H. Photo Documentation



**05
JUN
2024**

DSWD FO VI facilitates the distribution of family food packs (FFPs) to the families and individuals affected by the Kanlaon Volcano Eruption in Bago City, Negros Occidental.



**04
JUN
2024**

DSWD Field Office VI facilitates the conduct of psychosocial activities for children and youth evacuees displaced at the La Castellana Elementary School due to the Kanlaon Volcano Eruption.



The Disaster Response Operations Management, Information and Communication (DROMIC) Division of DSWD-DRMB is closely coordinating with DSWD FOs for significant disaster response updates and assistance provided.

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