



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

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

## **NDRRMC UPDATE**

**SitRep No. 04 re re Preparedness Measures Kanlaon Volcano**

**Releasing Officer:**

  
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Executive Director, NDRRMC and  
Administrator, OCD

**DATE : 15 December 2017**

*Sources: DOST-PHIVOLCS, RDRRMCs/OCDROs VI and VII*

### **I. SITUATION OVERVIEW**

On 15 November 2017, Kanlaon Volcano's seismic monitoring network recorded two hundred seventy nine deep (279) volcanic earthquakes. Since 18 August 2017, the number of volcanic earthquakes detected per day has continued to increase. There has been no visible degassing or steaming from the active vent this year, although increased unrest could possibly develop into steam-driven or phreatic eruptions at the summit.

Alert Level 2 status prevails over Kanlaon Volcano, which means that the volcano is undergoing a moderate level of unrest. There is probable intrusion of magma at depth which may or may not lead to a magmatic eruption.

On 16 November 2017, 217 volcanic earthquakes were recorded. No degassing activity was observed during times when the summit crater was visible.

On 17 November 2017, ten (10) volcanic earthquakes were recorded for the past 24 hours.

On 18 November 2017, twenty-four (24) volcanic earthquakes were recorded for the past 24 hours.

On 23 November 2017, ten (10) volcanic earthquakes were recorded for the past 24 hours.

On 27 November 2017, nineteen (19) volcanic earthquakes were recorded for the past 24 hours.

On 09 December 2017, a low-energy phreatic (steam-driven) eruption was generated at 09:47 AM. The eruption lasted approximately ten (10) minutes based on the seismic record. The event ejected steam and dark ash but was poorly observed due to clouds covering the summit region. A rumbling sound was reportedly heard in Brgy. Manghanoy, La Castellana and ash fell on Sitio Guintubdan, Brgy. Ara-al, La Carlota City.



As of 8:00 AM, 14 December 2017, Kanlaon Volcano's seismic monitoring network recorded one thousand and seven (1,007) volcanic earthquakes during the past 24 hours. Moderate emission of white steam-laden plumes that rose to 300 meters before drifting southwest was observed. Ground deformation data and continuous GPS measurements indicate slight inflation of the edifice since December 2015. Sulfur Dioxide (SO<sub>2</sub>) emission was measured at an average of 687 tonnes/day on 13 December 2017.

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## II. DISASTER PREPAREDNESS

### A. National Disaster Risk Reduction and Management Council (NDRRMC)

#### 1. NDRRM Operations Center (NDRRMOC)

- a. Continuously disseminates Kanlaon Volcano Bulletin through SMS, facsimile, and official social media websites for further dissemination to their respective Local Disaster Risk Reduction and Management Councils (LDRRMCs).

#### 2. Philippine Institute of Volcanology and Seismology (DOST-PHIVOLCS)

- a. Continuously provides updates on Kanlaon Volcano to NDRRMC member-agencies and LDRRMCs concerned.

### B. Regional/Local Disaster Risk Reduction and Management Councils (R/L DRRMCs)

- RDRRMCs VI and VII continuously disseminates volcano bulletin to RDRRMC member-agencies, P/C/MDRRMCs, and local media (radio stations) through OCD InfoBoard Text Blast System, and upload the same to social accounts to effectively ensure public safety and achieve zero-casualty; alerted and closely coordinates with all PDRRMCs and RDRRMC member-agencies for possible rescue, relief, and other response operations relative to current status of Kanlaon Volcano; and continuously monitors the situation in their respective AORs.

#### 1. RDRRMC VI

##### Office of Civil Defense (OCD) VI

- a. Advised CDRRMC Canlaon City to monitor the situation and ensure the continuous coordination with LDRRMCs.
- b. Conducted PDRA/Emergency Response Preparedness meeting on 22 November 2017. RDRRMC VI Disaster Response Cluster members and the affected LDRRMCs from the Province of Negros Occidental joined the PDRA/ERP.
- c. Disseminated the NDRRMC Advisory on Alert Level 2 Status of Mt. Kanlaon to concerned stakeholders thru email, text blast, social media.
- d. Continuous monitoring of the situation.

##### Department of Interior and Local Government (DILG) VI

- a. Issued Regional Memorandum to the Provincial Director, DILG Negros Occidental dated 21 November 2017 with subject of "Conduct of Readiness Measures in Preparation for Mt Kanlaon Eruption.
- b. Continuous monitoring of PHIVOLCS advisories.



- c. Activated the alert level status and disaster monitoring and reporting systems in Negros Occidental.
- d. Informed and recommended all concerned LGUs to perform the following actions:
  - Activate concerned Barangay DRRMCs for early warning measures and vigilant monitoring of areas of responsibility.
  - Continuously inform/advise communities thru but not limited to local television channels and radio stations of the updates regarding the situation.
  - Restrict or ban tourist activities such as but not limited to mountaineering/hiking, travelling, visiting, etc. within the PDZ during this period.

#### 303<sup>rd</sup> Infantry Brigade

- a. Brigade Disaster Response Task Group with identified units on standby for augmentation.

#### Provincial Health Office

- a. Activated Code White Alert.
- b. Prepositioned medicines and medical supplies and identified three (3) teams for Emergency Response.

#### **Philippine Red Cross (PRC) Negros Occidental and Bacolod City Chapters**

- a. Identified Volunteers and Red Cross Youth in Cabacungan, La Carlota City, and Brgy Crossing Magallon Moises Padilla.
- b. Identified two nearest logistics hub in Cebu and Passi City in Panay Island.
- c. One (1) unit Kitchen on wheels is ready for deployment.
- d. Identified available fire truck.

#### **PDRRMC Negros Occidental**

- a. On Blue Alert status effective 16 November 2017.
- b. Conducted Pre-Disaster Risk Assessment (PDRA) Meeting on 16 November 2017.
- c. Disseminated the Kanlaon Volcano Bulletin to various Negros Occidental Local Disaster Risk Reduction and Management Offices and Negros Occidental Disaster Risk Reduction and Management Council members through email for information and update on the status of Kanlaon Volcano.
- d. Cancellation of Trekking permit.
- e. Strict implementation of 4-KM PDZ.
- f. Planning for possible evacuation.
- g. Activated the EOC and IMT.
- h. Hospitals Operations Department alerted Eleven (11) Hospitals in Negros Occidental and identified three (3) emergency response teams.
- i. Prepositioned medicines and medical supplies.
- j. Provincial Engineering Office ensure all equipment are operational.

#### **CDRRMC Bago City, Negros Occidental**

- a. Conduct IEC to upland Barangays.
- b. Installed of signage for evacuation pick up point and routes.
- c. Called Barangay Captain Hernani L. Abindan to confirm the ashfall report and coordinated with them to report any unusual event.



- d. Monitored Mt. Kanlaon Bulletins from PHIVOLCS.
- e. Coordinated with BDRRMO regarding affected areas.
- f. Coordinated with Barangays Ilijan, Mailum, Don Jorge L. Araneta, and Ma-ao thru SMS.

**CDRRMC La Carlota City, Negros Occidental**

- a. Alerted all Barangay DRRM Committees.
- b. Identified Brgys. Ara-al and Yubo's evacuation center.

**CDRRMC San Carlos City, Negros Occidental**

- a. Prepositioned all resources (trucks, loaders, and relief goods).
- b. Identified evacuation centers.
- c. **Identified highly vulnerable population in terms of the number of houses and individuals in Brgy. Codcod**
- d. **CDRRMO conducted a Situational Briefing on the current status of Mt. Kanlaon last December 11, 2017**
- e. **Last December 12, 2017 Pre-Disaster Risk Assessment (PDRA) was conducted in Brgy. Codcod together with the PB Carlito Lastimoso**
- f. **Conducted Resources Inventory necessary for the prepositioning for preparedness and response.**
- g. **Visited the PHIVOLCS Seismic Station at Sitio Cabagtasán, Brgy. Codcod**
- h. **Meeting with the City Mayor and Chair of the CDRRMC regarding the current update of Mt. Kanlaon and requested for an Urgent Meeting with the Preparedness Committee of the CDRRMC**
- i. **Deployed two (2) Preparedness and Response Team to Brgy. Codcod and Brgy. Quezon with DepEd.**
- j. **Preparedness Coordination meeting was conducted and the Contingency Plan for Mt. Kanlaon was presented. Task Groups were reviewed of their responsibilities.**
- k. **Conducted Volcanic Hazard Preparedness Drill in all schools within Brgy. Codcod and Brgy. Quezon**
- l. **Ocular Inspection of the Evacuation Route at Brgy. Codcod**
- m. Brgy. Codcod covered court and Brgy Quezon covered court as pick up points during evacuation, if the need arises, going to City Proper Gym and as Evacuation Center.

**MDRRMC Pontevedra, Negros Occidental**

- a. Forged Memorandum of Agreement with MDRRMC La Castellana to cater evacuees, if necessary.

**MDRRMC Moises Padilla, Negros Occidental**

- a. Identified evacuation centers in the municipality.
- b. **Intensified Information Drive including the Evacuation Plan and the identified Evacuation Centers through meetings and assemblies**
- c. **Traces of lahar was found early morning of December 14, 2017 in Intiguiwan River located in Brgy. Guinpanaan**

**MDRRMC La Castellana, Negros Occidental**

- a. Identified five (5) high risk barangays.
- b. Prepositioned relief goods.

**2. RDRRMC VII**



- a. RDRRMC has the following existing mitigating measures:
  - Planting of trees around Mt. Kanlaon
  - Regular Issuance of PHIVOLCS Advisories
  - Advocacy for the prevention of encroachment of communities in the Permanent Danger Zone
  - Installation of PHIVOLCS Monitoring and Surveillance facilities in strategic areas
  - SOP for Evacuation of high risk communities by respective LGUs.
  - Proposed Relocation Site Plan and Development by the Provincial Government

**OCD VII**

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- a. Participated/attended the Mt. Kanlaon Response Committee Meeting of the Province of Negros Occidental held on 16 November 2017.
- b. **Continuous dissemination of Mt. Kanlaon Volcano bulletin to RDRRMC Member Agencies, Local DRRM Officers, and other stakeholders.**
- c. **Monitored the status of Kanlaon Volcano and coordinated with concerned LDRRMC member agencies and stakeholders.**
- d. **Instituted human resource repositioning in Canlaon City.**
- e. **Assisted and guide the LDRRMCs in enhancing preparedness and response protocols.**

**CDRRMC Canlaon City, Negros Oriental**

- a. Conducted inspection of crops in Brgy. Pula and look for any signs of ashfall.
- b. Conducted briefing/orientation to the Faculty of Malaiba Elementary School and prepared the school as possible evacuation center.
- c. **Called for a CDRRMC meeting attended by 40 participants held at the Senior Citizens' Building, Canlaon City at 1:30 PM on 14 December 2017 to put in place preparedness measures and mechanisms in preparation for the raising for alert level to Alert Level 3.**
- d. **Ensure repositioning of resources to address concerns during evacuation of population to be affected.**
- e. **Continuous IEC and awareness-raising to residents at high risk to Mt. Kanlaon Volcanic Eruption**
- f. **Identification of alternate routes in the event of escalation of alert level.**
- g. **Dissemination of Kanlaon Volcano bulleting.**

**DOST-PHIVOLCS**

- a. **Discussed about the nature and characteristics of Mt. Kanlaon Volcano.**
  - b. **Explained the early warning signs and parameters in raising alert level like seismicity, ground deformation and significant inflation.**
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