



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

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

## **NDRRMC ADVISORY**

**TO :** CHAIRPERSONS, RDRRMCs/OCROs CALABARZON, V, VI, and VII, CALABARZON

**FROM :** Executive Director, NDRRMC and Administrator, OCD

**SUBJECT :** Alert Status and Activity of Mayon, Kanlaon, Taal, and Bulusan Volcanoes

**DATE :** 17 August 2019, 8:00 AM

Source: DOST-PHIVOLCS

### **I. SITUATION OVERVIEW**

#### **A. ALERT STATUS OF MAYON VOLCANO**

Mayon Volcano's seismic monitoring network **recorded one (1) rockfall event** during the 24-hour observation period. Weak to moderate emission of white steam-laden plumes that drifted northeast was observed.

**Alert Level 2** currently prevails over Mayon Volcano. This means that Mayon is at a moderate level of unrest. DOST-PHIVOLCS reminds the public that sudden explosions, lava collapses, pyroclastic density currents or PDCs and ashfall can still occur and threaten areas in the upper to middle slopes of Mayon. DOST-PHIVOLCS recommends that entry into the six kilometer-radius Permanent Danger Zone or PDZ and a precautionary seven kilometer-radius.

#### **B. ALERT STATUS OF KANLAON VOLCANO**

Kanlaon Volcano's seismic monitoring network **did not detect any volcanic earthquake** during the 24-hour observation period. Sulfur dioxide (SO<sub>2</sub>) emission was measured at an average of 79 tonnes/day on 15 June 2019. Ground deformation data from continuous GPS measurements last 11 August 2019 indicate slight inflation of the edifice.

**Alert Level 1** (abnormal) status prevails over Kanlaon Volcano, which means that it is currently in a state of unrest probably driven by hydrothermal processes that could generate steam driven or phreatic eruptions

#### **C. ALERT STATUS OF TAAL VOLCANO**

Taal Volcano's seismic monitoring network **thirteen (13) volcanic earthquakes** during the 24-hour observation period. Field measurements on **15 August 2019 at the eastern sector** of the Main Crater Lake yielded a decrease in water temperature from **33.5°C to 32.6°C**, an increase in water level from **0.28 meters to 0.42 meters**, and an increase in acidity from a pH of **2.84 to 2.78**.

**Alert Level 1** remains in effect over Taal Volcano. This means that hazardous eruption is not imminent. The public, however, is reminded that the Main Crater should be strictly off-limits because sudden steam explosions may occur and high concentrations of toxic gases may accumulate.

#### **D. ALERT STATUS OF BULUSAN VOLCANO**

Bulusan Volcano's seismic monitoring network **six (6) volcanic earthquake** during the 24-hour observation period. Ground deformation from Precise Leveling data obtained on June 21 – July 1, 2019 indicated a slight deflation of the edifice. Data recorded by Bulusan's continuous GPS network also indicated slight deflation of the edifice since July 2018.

**Alert Level 1** (abnormal) status remains in effect over Bulusan Volcano, which means that it is currently in a state of unrest probably driven by hydrothermal processes that could generate steam driven or phreatic eruptions.

## **II. ACTIONS TAKEN**

1. NDRRM Operations Center prepared NDRRMC Advisory and Update, and disseminated the same to OCD Regional Centers V, VI, VII and CALABARZON through NDRRMC website in order to closely monitor the situation and take appropriate actions for any new development.
2. Concerned NDRRMC member-agencies were provided with a copy of the Memorandum for the SND.
3. DOST-PHIVOLCS is closely monitoring the activities of Mayon, Kanlaon, Taal, and Bulusan Volcanoes and any new development will be relayed to all concerned.

Submit report on actions taken thereof.

**BY AUTHORITY OF THE CHAIRPERSON, NDRRMC:**

  
**UNDERSECRETARY RICARDO B JALAD**  
Executive Director, NDRRMC and  
Administrator, OCD