




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**

### **Update on Alert Status and Activities of Mayon and Kanlaon Volcanoes**

Releasing Officer:

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

**DATE : 22 August 2018, 08:00 AM**

*Source: DOST-PHIVOLCS issued on 21 August 2018, 8:00AM*

#### **I. SITUATION OVERVIEW**

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

Mayon Volcano's seismic monitoring network **did not detect any** volcanic earthquake during the past 24 hours. Moderate emission of white steam-laden plumes that crept downslope before drifting northeast was observed. Sulfur dioxide (SO<sub>2</sub>) emission was measured at an average of **1,460 tonnes/day on 19 August 2018**. Precise leveling data obtained on 17-24 July 2018 indicate inflation of the edifice relative to 02-14 April 2018, consistent with overall short-term ground deformation results with respect to March 2018. Electronic tilt data further show pronounced inflation of the mid-slopes beginning 25 June 2018, possibly due to aseismic magma intrusion deep beneath the edifice.

**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.

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

Kanlaon Volcano's seismic monitoring network recorded one (1) volcanic earthquakes during the past 24 hours. **Moderate emission of white steam-laden plumes that rose 300 meters from the summit before drifting southwest was observed**. Ground deformation data from continuous GPS measurements indicate a more pronounced inflation of the edifice since December 2017, signifying pressurization beneath the edifice. Sulfur dioxide (SO<sub>2</sub>) emission was measured at an average of 2,131 tonnes/day on 04 July 2018.

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

## II. ACTIONS TAKEN

1. NDRRM Operations Center prepared NDRRMC Advisory and Update, and disseminated the same to OCD Regional Centers V, VI and VII 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 Kanlaon and Mayon Volcanoes and any new development will be relayed to all concerned.
-