



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, Kanlaon, and Bulusan Volcanoes

Releasing Officer:

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

DATE : 03 July 2018, 08:00 AM

Source: DOST-PHIVOLCS

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 drifted northeast was observed during the day. Fair crater glow from the summit could be observed at night. Sulfur dioxide (SO₂) emission was measured at an average of 1287 tonnes/day on 20 June 2018. Precise leveling data obtained on 02-14 April 2018 indicate inflation of the edifice relative to 22-29 March 2018, while electronic tilt data show sudden slight inflation of the mid-slopes beginning 05 May 2018. Medium-term ground deformation data, however, show that the edifice is still deflating consistent with the decline in unrest but is still inflated relative to 2010 baselines.

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 Extended Danger Zone or EDZ in the south-southwest to east-northeast sector, stretching from Anoling, Camalig to Sta. Misericordia, Sto. Domingo must be strictly prohibited.

B. ALERT STATUS OF KANLAON VOLCANO

Kanlaon Volcano's seismic monitoring network recorded three (3) volcanic earthquakes during the past 24 hours. Moderate emission of white steam-laden plumes that rose **500 meters** from the summit before drifting southwest to northeast was observed. Ground deformation data from continuous GPS measurements indicate a more pronounced inflation of the edifice since December 2017, signifying pressurization deep beneath the edifice. Sulfur dioxide (SO₂) emission was measured at an average of 1943 tonnes/day on 28 June 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. The local government units and the public are strictly reminded that entry into the 4-kilometer radius Permanent Danger Zone (PDZ) is strictly prohibited due to the further possibilities of sudden and hazardous steam-driven or phreatic eruptions.

C. ALERT STATUS OF BULUSAN VOLCANO

Bulusan Volcano's seismic monitoring network did not detect any volcanic earthquake during the past 24 hours. **Weak emission of white steam-laden plumes that rose 70 meters from the active vents before drifting northeast was observed.** Ground deformation from Precise Leveling data obtained on June 03 - 11, 2018 indicated a slight inflation of the edifice. Data recorded by Bulusan's continuous GPS and tilt networks also indicated slight inflation of the edifice since January 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. Local government units and the public are reminded that entry into the 4-kilometer radius Permanent Danger Zone (PDZ) is strictly prohibited and that vigilance in the Extended Danger Zone (EDZ) must be exercised due to the increased possibilities of sudden and hazardous phreatic eruptions.

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 Bulusan, Kanlaon and Mayon Volcanoes and any new development will be relayed to all concerned.