




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 Volcano

Releasing Officer:


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

DATE : 20 February 2018, 8:00 AM

Source: DOST-PHIVOLCS

I. SITUATION OVERVIEW

A. ALERT STATUS OF MAYON VOLCANO

Mayon's activity in the past 24 hours was characterized by sporadic and weak lava fountaining, lava flow and degassing from the summit crater. **As of 04:05AM this morning, fifty-six (56) discrete lava fountaining episodes that lasted five (05) to sixty-two (62) minutes were recorded by the seismic network. One (1) lava collapse pyroclastic density current (PDC) event that generated white to dirty white plume was visually observed yesterday at 6:16 AM along the Basud Gully. Lava flow sustained at 3.3 kilometers, 4.5 kilometers and 900 meters on the Miisi, Bonga and Basud Gullies respectively, from the summit crater. Pyroclastic density currents or PDCs remained confined within the farthest recorded reaches of 4.6, 4.5 and 4.2 kilometers on the Miisi, Bonga and Basud Gullies, respectively.**

A total of **seventy-two (72) volcanic earthquakes**, corresponding to lava fountaining and tremor events, was recorded by Mayon's seismic monitoring network. Sulfur dioxide (SO₂) emission averaged **2,148 tonnes/day** on **19 February 2018**. Electronic tilt and continuous GPS still record sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

Alert Level 4 remains in effect over Mayon Volcano. The public is strongly advised to be vigilant and desist from entering the eight (8) kilometer-radius danger zone, and to be additionally vigilant against pyroclastic density currents, lahars and sediment-laden stream flows along channels draining the edifice. Civil aviation authorities must also advise pilots to avoid flying close to the volcano's summit as ash from any sudden eruption can be hazardous to aircraft. DOST-PHIVOLCS maintains close monitoring of

Mayon Volcano and any new development will be communicated to all concerned stakeholders.

II. ACTIONS TAKEN

1. NDRRMC Operations Center prepared NDRRMC Advisory and Update, and disseminated the same to OCD Regional Center V through facsimile and 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 Volcano and any new development will be relayed to all concerned.