



JUN 08 2023

MEMORANDUM
No. 051, s. 2023

TO : CHAIRPERSONS OF RDRRMCS/ OCD REGIONAL DIRECTOR V AND OIC, CALABARZON

SUBJECT : PREPARATIONS FOR EFFECTS OF TAAL AND MAYON VOLCANIC ACTIVITIES

On 7 June 2023, active degassing of the **Taal Main Crater** has been observed in the form of visible upwelling of volcanic fluids in the Main Crater Lake and generation of voluminous steam-rich plumes that rose 2,000 meters above Taal Volcano Island. In consequence, significant volcanic smog or vog has formed over Taal Caldera and its surrounding areas. An average of 7,680 tonnes/day of volcanic sulfur dioxide or SO₂ gas was emitted by Taal on 6 June 2023, preceded by emissions averaging a 9,391 tonnes/day on 5 June 2023. Vog can be expected to persist over the Taal region while degassing activity, weak wind movement and humid atmospheric conditions prevail. **Alert level 1** prevails over Taal Volcano, which means that it is still in abnormal condition and should not be interpreted to have ceased unrest nor ceased the threat of eruptive activity. Should an uptrend or pronounced change in monitored parameters forewarn of renewed unrest, the Alert Level may be raised back to Alert Level 2.

Meanwhile, on 8 June 2023, the alert level of **Mayon Volcano** was raised from Alert Level 2 (increasing unrest) to **Alert Level 3** (increased tendency towards a hazardous eruption). A total of 267 rockfall events and 2 volcanic earthquakes were recorded from 05 to 08 June, compared to 54 rockfall events from 01 to 04 June 2023. These events had durations of 1 to 3 minutes and transported lava debris within a kilometer range of the southern upper slopes. The volume of discrete rockfall events increased on 3 June based on the seismic record, signaling an increase in the rate of dome growth. Three (3) pyroclastic density current or PDC events on the Bonga (southeast) and Basud (east) Gullies were observed today at 6:18 AM, 9:53 AM and 11:00 AM. The PDCs lasted four to five minutes based on the seismic record and emplaced within a kilometer of the summit crater.


In this connection, Chairpersons of RDRRMCS/ OCD Regional Director **V and OIC, CALABARZON** are hereby directed to undertake the following preparedness actions in connection with the current volcanic activities affecting respective AORs:

1. Monitor closely the warning and other advisories issued by DOST-PHIVOLCS and other surveillance agencies;
2. Initiate Pre-Disaster Risk Assessment (PDRA) at the regional level. Further, coordinate with the DILG for the LDRRMCS to conduct respective local PDRA and undertake preparedness based on Operation LISTO;
3. Strengthen risk communication and localize the warning to communities within respective areas of responsibility and reiterate that the official source of updates and advisories is DOST-PHIVOLCS;

4. Strict implementation of restrictions and evacuation protocols especially in areas within the Permanent Danger Zone (PDZ);
5. Ensure adherence to the NDRRMC's guidelines on COVID-19 Preparedness Measures for the anticipated rainy season; and
6. Submit regular RDRRMC Situation Report, as needed, highlighting the current situation, preparedness measures, summary of damages, and response needs, to the NDRRM Operations Center.

For guidance and compliance.

For the Executive Director, NDRRMC:



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Civil Defense Deputy Administrator for Operations

