



REPUBLIC OF THE PHILIPPINES

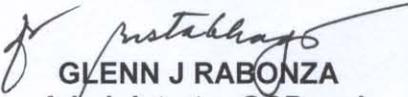
NATIONAL DISASTER COORDINATING COUNCIL

National Disaster Management Center, Camp Gen. Emilio Aguinaldo, Quezon City, Philippines

NDCC UPDATE

Sitrep No. 4 - Mayon Volcano Update

Releasing Officer:


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D A T E: 17 December 2009 as of 11:00 PM

Source: DOST-PHIVOLCS, OCDRC-V, ALBAY PDCC, AFP, JTF MAYON, DPWH V

I. SITUATION OVERVIEW

- ❖ The status of Mayon volcano remains hoisted at Alert Level 3. This means that magma is close to the crater and hazardous explosive eruption is imminent
- ❖ If trend is one of increasing unrest, hazardous volcanic eruption is possible within weeks

Observations :

- ❖ During the past 24 hour observation period, Mayon Volcano has 8 ash explosions. However, 2 of these explosions were not observed due to thick cloud cover, but were reflected on seismic records as explosion type earthquakes.
- ❖ The explosions produced dark gray to dark brown ash columns that reached a maximum height of 500m towards southwest.
- ❖ The advancing lava flow has now reached 1.5 km downslope from the crater while incandescent fragments from the lava pile continuously roll down along Bonga Gully reaching about 3-4 km downslope. Detached materials from the lava dome at the crater generated a small pyroclastics flow along Banadero Channel at the southeast slope.
- ❖ Seismic monitoring revealed the occurrence of 82 volcanic earthquakes and tremors of which, the volcanic earthquakes represent magma ascent towards the crater of the volcano while the tremors were associated to the detached fragments of lava and rockfalls
- ❖ Weak to moderate volume of white to dirty white steam that drifted towards southwest and west-southwest was observed.

Recommendations

- ❖ PHIVOLCS strongly recommends that the 6-km radius Permanent Danger Zone (PDZ) around the volcano and the 7-km Extended Danger Zone (EDZ) on the southeast flank of the volcano should be free from human activity because of sudden explosions that may generate hazardous volcanic flows.
- ❖ At Alert Level 3, PHIVOLCS strongly recommends mandatory evacuation of households in all areas within the 6-km radius Permanent Danger Zone (PDZ) around the volcano and the 6-8 km extended danger zone up to the 8 km extended high risk zone in the Southeast Quadrant particularly the Buyuan, Mabinit and Bonga areas.

- ❖ In addition, residents in the southeast areas outside the 7-km danger zone but within 8 kilometers of the crater should be extra alert for increased volcanic activity.
- ❖ Active river channels and those perennially identified as lahar prone in the southeast sector should also be avoided especially during bad weather conditions or when there is heavy and prolonged rainfall.

II. PREPAREDNESS MEASURES

- ❖ At Alert Level3, mandatory evacuation of households in all areas within the 6 PDZ and the 6-km to 8-km EDZ up to the 8 km Extended High Risk Zone in the Southeast Quadrant particularly Buyuan, Mabinit and Bonga areas
- ❖ **Population to be evacuated as indicated in the RDCC's evacuation plan for the 6 to 8 km PDZ is shown below:**

| Municipality/City | 6km PDZ | | 6-8 km PDZ | | | |
|-------------------|--------------|---------------|--------------|---------------|--------------|---------------|
| | Families | Persons | Families | Persons | Families | Persons |
| Tabaco City | 877 | 4,254 | 7,218 | 34,482 | | |
| Ligao City | 442 | 4,464 | | | | |
| Malilipot | 634 | 2,859 | | | | |
| Camalig | 719 | 3,168 | | | | |
| Guinobatan | 56 | 298 | | | | |
| Total | 2,728 | 12,803 | 7,218 | 34,482 | 9,946 | 47,285 |

- ❖ As of **11:00 PM 17 December 2009**, a total of **7,452 families / 35,498 persons** have been evacuated to the **25** designated evacuation centers, broken down as follows:

| Mun/City | Origin Barangays | Population | | Evacuation Centers |
|-----------------|---|---|---------------|---|
| | | Families | Persons | |
| Total | 25 | 7,452 | 35,498 | 25 |
| 1. Camalig | Quirangay, Sua, Anoling, Cabangang, Tumpa & Salugan | 1,801 | 7,886 | Bariw ES, Baligang ES, Cabangang ES, Camalig Nat'l HS, FVR-Tagaytay RS & Baligang ES(6) |
| 2. Daraga | Banadero, Matnog, Alcala | 1,525 | 6,513 | Anislag RS, Daraga North ES, Daraga HS (3) |
| 3. Legaspi City | Mabinit, Matanag, Buyuan, Bonga and Padang | 2,423 | 12,597 | San Roque ES, Albay CS, Gogon CS & Bagumbayan CS (4) |
| 4. Tabaco City | Magapo Buhian Bonot Oson Buang | 184 12 18 27 105 | 1,682 | San Antonio ES, Mayon ES, Bantayan ES, San Antonio HS (2) (5) |
| 5. Malilipot | Calbayog San Roque Canaway | 545 40 134 | 3,179 | San Jose ES, Malilipot CS (1) Malilipot CS (1) (3) |

| | | | | |
|------------------------|-----------------|------------|--------------|------------------------|
| 6. Sto. Domingo | Lidong | 11 | 41 | Bical Nat'l HS (1) |
| 7. Ligao City | Baligang | 278 | 1,935 | Amtic HS (1) |
| 8. Guinobatan | Maninila | 349 | 1,665 | AECID Evac Ctr. |

- 45 schools have been designated as evacuation centers: 21 in Albay, 11 in Legaspi City, 6 in Ligao City and 7 in Tabaco City
- To support evacuation operations of the CDCCs and MDCCs, 45 vehicles were committed by the following agencies: 9th ID, PA-25, PNP-PRO5-2, NAVFORSOL-3, PAF-TOG5-1, DPWH5-2, SUNWEST/AKO BICOL-12
- ❖ All Municipalities/City and Barangay DCCs around Mayon Volcano were advised to immediately convene, activate emergency operation and to execute evacuation procedures as ordered.
- ❖ Households in BDCCs likely to be affected were advised to prepare emergency provisions like clothing, basic utensils and beddings.
- ❖ Joint AFP-PNP Task Force Mayon (JTFM) assisted in the evacuation of the population and strictly enforced checkpoints at strategic areas to ensure that nobody enters the Danger Zone at any time
- ❖ Suspension of classes in all schools within the 8 km radius of Mayon and school authorities were advised to devise scheduling and shifting strategies that would enable pupils using these evacuation classrooms to revert to regular classes as soon as possible and for evacuee pupils to hold classes within the premises of the evacuation school. This is to minimize disruption in classes particularly given that evacuation period for Mayon eruption will last between 42 to 87 days
- ❖ All PDCC member agencies concerned executed respective contingency plans and assisted the affected population
- ❖ BRTTH, Provincial Hospitals of PHO and the CHOs and RHUs within the Mayon area are put on Code Blue alert. PHO to closely coordinate with DOH and BRTTH in preparation for the health requirements particularly WATSAN in the evacuation centers.
- ❖ AHM to assign its paramedic units in assisting LGUs and barangays in the evacuation procedures to be undertaken
- ❖ PSWDO to immediately ensure the availability of necessary basic needs in the identified evacuation centers and to continue repacking of food items to be distributed immediately to evacuees
- ❖ PNP together with the Barangay Tanods to ensure the security of vacated houses due to evacuation of families to safer areas.
- ❖ Residents, motorists and school children to protect themselves for possible ash inhalation by covering their nose with damped cloth or handkerchief to prevent health problems.
- ❖ PDCC to draft a "Declaration of state of imminent danger" for consideration of the Sangguniang Panlalawigan to empower affected LGUs and barangays to use their calamity fund for pre-emptive evacuation procedures and other anticipated expenses for proactive measures.

III. Activities Undertaken

- ❖ OCD 5 has been placed on heightened alert; maintained closed coordination with PHIVOLCS Legaspi, PDCC Albay and concerned LGUs for any new development of Mayon Volcano's abnormal activity, conducted joint RDCC and PDCC meetings.
- ❖ PDCC Albay dispatched evacuation vehicles to 8 affected municipalities
- ❖ A team composed of RD Alejandro (OCD V); Commodore Gonzales AFP (JTF Mayon); Capt Nebres PN (NFSL, PN); Col Salazar PA (901 Bde, PA); Mr Daep (APSEMO); Lt Nieva PN (PIO-RDCC V) and two (2) representatives from the media, conducted an aerial survey
- ❖ Continuous monitoring of evacuation movement by concerned city/municipal DCCs by the PDCC Albay to provide necessary assistance.
- ❖ Transportation utilized for the on-going evacuation in Daraga, Legazpi City and Camalig are the following: 13 M35 trucks; 10 KM450; and 2 trucks.
- ❖ NFSL-PN assisted in the evacuation of affected residents in Legaspi City; **deployed 2 M35 trucks at Brgy. Buyoan, Legaspi City to Bagumbayan Elementary with a total of 140 individuals (71 adult, 44 male, 27 female, 69 children, 37 male, 32 female)**
- ❖ 2 Stake trucks from DPWH V were prepositioned at OCD V
- ❖ Coordinated the requirement of PDCC Albay to DOH for the provision of 50,000 pieces of face masks
- ❖ **RDCC meeting was conducted with the DND Secretary and NDCC Chairman, Norberto B Gonzales, OCD Administrator and NDCC Executive Officer Glenn Rabonza, RDCC Chairman PCSupt Ruben E Padua, Albay PDCC Chairman Joey Salceda, PHIVOLCS Director Renato Solidum, OCD Regional Director Rafaelito Alejandro IV, Mayors Cicero Triunfante of Daraga and Carlos Irwin Baldo of Camalig, RDCC members and representatives from media to discuss status of Mayon Volcano and the on-going evacuation of affected families. A press briefing was held after the meeting, followed by the aerial survey of high risk areas and visited selected evacuation centers in Legaspi City and Guinobatan.**
- ❖ Family packs were distributed to evacuees in Daraga and Legaspi
- ❖ As of this morning, DOH 5 received the 50,000 pcs. face masks from DOH Manila
- ❖ DSWD 5 released various relief goods amounting to P412,446.00 to PSWDO Albay and 3,000 pcs face masks to MDCC Guinobatan.
- ❖ **AFP deployed vehicles (2 M35 trucks, 42IB-1 M35, 83IB-1KM, 903Bde-1 M35, 9011Bde – 1M35) for the preventive evacuation in Brgys Calbayog, San Roque, Canaway, Buang, Magapo, Matanag, Buyuan and Municipality of Malilipot.**
- ❖ PHO-Albay re organized PHO RHAS team and established joint command with DOH-5. Three (3) groups were formed to carry out the following tasks:
 - Validate number of families/persons in each evacuation centers

- Inventory of available resources in respective LGUs such as drugs and medicines, chlorine, hyposol (liquid chlorine), report forms to be used by the RHAS Teams; and
- Monitor activities conducted by affected LGUs.

Coordinated with WHO re interagency emergency health kit (medicines and supplies)

- ❖ **DSWD 5 released the following relief items to PSWDO Albay:**
 - 2,400 bottled water (1 ltr/btl) or 200 cases worth PHP 52,800.00
 - 88 bxs of biscuits worth Php 47,520.00
 - 413 bxs of noodles worth Php 158,592.00
 - 1,000 family food packs worth Php 153,534.00
- ❖ **NFSL –PN – 2 M35 trucks transported 244 sacks of rice from Albay PDCC to Legaspi City Social Welfare Development Office**
- ❖ **NFSL PN coordinated with DOH for IEC materials re-health hazards and safety measures.**
- ❖ **PNP dispatched 227 PNP personnel to different evacuation centers in Albay to assist in the repacking of relief goods and cleaning of ECs as well as to secure properties /houses of the evacuees.**
- ❖ **Imposed 24 hour curfew within 8km danger radius of Mt. Mayon thru Sanggunian Resolution No. 2009-77 by the AFP & PNP.**
- ❖ **Advised MHOs to put up Health clinics in ECs, monitor pregnant mothers and weigh 0-6 year old children.**
- ❖ **Coordinated with DSWD 5 re inclusion of data on age, gender, handicapped in the reporting for evacuation updates**
- ❖ **DSWD 5 and SWAD Team closely coordinating with Albay PDCC/PSWDO/MDCCs for updates and to assist in the distribution of relief goods to the different evacuation centers.**

Governor and Chairman, PDCC Albay Salceda assured the evacuees of a continued supply of rice (5 kls/family) as well as other social services needed at the evacuation centers.
