



REPUBLIC OF THE PHILIPPINES

NATIONAL DISASTER COORDINATING COUNCIL

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

NDCC UPDATE

Sitrep No. 10 - Mayon Volcano Update

Releasing Officer:


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D A T E: 21 December 2009 as of 12:00 NN

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

I. SITUATION OVERVIEW

- ❖ Mayon volcano is under **Alert Level 4** which means that a hazardous explosive eruption is possible within days. Thus areas expected to be affected by such eruption will be accordingly extended.
- ❖ To ensure the safety of the public, PHIVOLCS-DOST is recommending an extended danger zone from the summit of 8 km at the southern sector and 7 km at the northern sector.

Observations:

- ❖ Mayon Volcano activity escalated during the past 24-hour, seismic activity dramatically increased in number and size. A total of **1,942** volcanic quakes and tremors were recorded by the seismic network. **Many of these volcanic earthquakes were recorded at maximum deflection and continually occurred beginning at 12:21 PM, 20 December 2009.**
- ❖ Harmonic tremors were continuously recorded by the seismic instruments.
- ❖ Audible booming and rumbling sounds were first reported in the eastern flank of the volcano at about 2:55PM yesterday then occasionally occurred beginning 11:00PM last night.
- ❖ Intensified crater glow and rolling down of incandescent fragments from the crater was also persistent. Red hot lava continuously flowed down along the Bonga-Buyuan, Miisi and Lidong gullies.
- ❖ Lava fountains rising approximately 200 meters above the crater were observed. The lava front has now reached about **5 kilometers** downslope from the summit along the **Bonga-Buyuan gullies.**
- ❖ Sulfur dioxide (SO₂) emission rate remained very high at **6,089 tonnes** per day (t/d).

Recommendations

- ❖ Since the persistent high unrest is evident and the possibility of volcanic eruption is high, PHIVOLCS strongly recommends that the 6-km radius Permanent Danger Zone (PDZ) around the volcano be extended, thus, the Extended Danger Zone (EDZ) from the summit of 8 km at the southern sector and 7 km at northern sector. This area should be free from human activity because of sudden explosions that may generate hazardous volcanic flows.

- ❖ Areas just outside of the EDZ should prepare for evacuation in the event explosive eruptions intensify.
- ❖ Active river channels and those perennially identified as lahar prone in the southern sector should also be avoided especially during bad weather conditions or when there is heavy and prolonged rainfall.

II. PREPAREDNESS MEASURES

- At Alert Level 4, 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, Bonga, areas
- ❖ **Population to be evacuated as indicated in the RDCC's evacuation plan for the 6 to 8 km EDZ is shown below:**

Municipality/City	6km PDZ		6-8 km EDZ			
	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 **8:00 AM 21 December 2009**, a total of **9,217 families / 44,394 persons** have been evacuated to the **24** designated evacuation centers, broken down as follows:

Mun/City	Origin Barangays	Population		Evacuation Centers
		Families	Persons	
Total	30	9,217	44,394	24
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 (5)
2. Daraga	Banadero, Matnog, Alcala	1,622	6,961	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, Luang, Mariroc-Nagsipi, Buang, Comon, San Isidro and other Brgys	879	4,268	San Antonio ES, Mayon ES, Bantayan ES, San Antonio HS, Tabaco NW ES, Tabaco Nat'l HS (6)
5. Malilipot	Calbayog, San Roque, Canaway	719	3,179	San Jose ES, Malilipot CS (2)
6. Sto. Domingo	Lidong, San Misericordia, Fidel	1,146	5,903	Bical Nat'l HS, San Andres RS (2)

	Surtida			
7. Ligao City	Baligang	278	1,935	Amtic HS (1)
8. Guinobatan	Maninila	349	1,665	AECID Evac Ctr. (1)

- 45 schools have been designated as evacuation centers: 21 in Albay, 11 in Legaspi City, 6 in Ligao City and 7 in Tabaco City
- Forty-five (45) vehicles were committed by the 9th ID, PA-25, PNP-PRO5-2, NAVFORSOL-3, PAF-TOG5-1, DPWH5-2, SUNWEST/AKO BICOL-12 to support evacuation operations of the CDCCs and MDCCs,
- ❖ All Municipalities/City and Barangay DCCs around Mayon Volcano have been activated and has been implementing evacuation and providing relief assistance to evacuees although households were advised to have emergency provisions like clothing, basic utensils and beddings.
- ❖ Joint AFP-PNP Task Force Mayon (JTFM) has been assisting in the evacuation of the population and strictly enforcing 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 executed their respective contingency plans and assisted the population who evacuated.
- ❖ The Bicol Regional Teaching and Training Hospital (BRTTH), provincial, city/rural health 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 water and sanitation (WATSAN) in the evacuation centers.
- ❖ The Albay Health and Emergency Management (AHM) assigned paramedic units in assisting LGUs and barangays in the evacuation procedures to be undertaken
- ❖ PSWDO ensured the availability of necessary basic needs in the identified evacuation centers and to continue repacking of food items to be distributed to evacuees
- ❖ PNP together with the Barangay Tanods ensured the security of vacated houses due to evacuation of families to safer areas.
- ❖ Residents, motorists and school children were advised to protect themselves for possible ash inhalation by covering their nose with dampened cloth or handkerchief to prevent health problems.
- ❖ PDCC Albay declared the entire province under State of Calamity at 12nn December 17, 2009

III. ACTIVITIES UNDERTAKEN/ HUMANITARIAN ASSISTANCE

National:

- ❖ At alert level 3, the SND and Chairman, NDCC, together with the Administrator OCD, proceeded to Albay on the 16th of December 2009 and presided over the joint RDCC and PDCC Albay members meeting in Legaspi City
- ❖ Early today December 21, 2009, the Chairman, NDCC and Administrator OCD flown back to Legaspi City to personally assess the situation and needs of the evacuees
- ❖ NDCC facilitated the release of 10,000 sacks of rice worth PHP9,125,000.00 to PDCC Albay to augment relief assistance to evacuees
- ❖ Secretary Esperanza Cabral and ASec Vilma Cabrera of DSWD, Mr Bernard of WFP, RD Bernardo of OCDRC 5 as well as members of print and broadcast media conducted aerial survey around Mayon Volcano on December 19, 2009 and visited selected evacuation centers in Legaspi (Bagumbayan C/S), Guinobatan (Marcial Ranola Memorial School), Camalig (Cabangan E/S) and inspected warehouse. Chairman PDCC Albay, Gov Joey Salceda briefed them on the status of Mayon and PDCC updates
- ❖ DSWD NROC released three (3) truckloads of relief goods consisting of plastic mats, blankets, family food packs, noodles and 500 sacks of rice worth P2,118,790.00 to PSWD Albay last December 18, 2009 as relief augmentation for distribution to evacuees. Additional two (2) truckloads of relief goods consisting of tents, boxes of noodles, 350 sacks of rice and 150 paleta worth P821,500.00 was sent to DSWD-5 last December 19, 2009.
- ❖ UNICEF donated 20 trailers of water jugs for Mayon evacuees in Legaspi City

Regional

OCDRC-V

- ❖ OCD 5 has been placed on heightened alert; maintained close coordination with PHIVOLCS Legaspi, PDCC Albay and concerned LGUs for any new development of Mayon Volcano's abnormal activity and conducted joint RDCC and PDCC meetings.
- ❖ 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

PDCC Albay

- ❖ PDCC Albay dispatched evacuation vehicles to 8 affected municipalities
- ❖ Continuous monitoring of evacuation movement by concerned city/municipal DCCs by the PDCC Albay to provide necessary assistance.
- ❖ RDCC meeting was convened on December 16, 2009 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
- ❖ Governor and Chairman, PDCC Albay, Joey Salceda assured the evacuees of a continued supply of rice (5 kls/family) as well as other social services needed at the evacuation centers.

DOH-V

❖ **DOH-PHO Albay Joint Health Command Post:**

- **LGU Legazpi City – provision of isolation rooms in all of their evacuation centers, rice rations and implemented the curfew hours for evacuees in evacuation camps**
 - **LGU Tabaco City – dispatched roving medical team to evacuation camps who have yet to establish clinics**
 - **Construction of latrines in Mayon, Buang and San Antonio Elementary School evacuation camps is ongoing**
 - **Established health clinic in the evacuation camps in Camalig and Malilipot**
 - **Camalig conducted an inventory of deep wells in need of repair at FVR evacuation camps**
- ❖ Albay PHO conducted 3rd Rapid Health Assessment; provided medication for patients with colds and fever while those afflicted with conjunctivitis in Tabaco City were placed in isolation and were also given medication.
 - ❖ AHEM units instructed to maintain 24/7 health stations in every evacuation center;
 - ❖ DOH distributed 50,000 face masks to communities for protection from ash fall and awaiting delivery of P1.8M medicines and other health supplies (emergency purchase). Medicines (Amoxicillin PAC 1000, Fe+folic PAC 10000, IEHK2006 kit, basic, IEHK20006 kit, new form oral rehydration salts ILs/CARO 10x100 and paracetamol 500mg PAC 1000).
 - ❖ DOH-V activities:
 - Coordinated with DA for dog vaccination in evacuation centers
 - Continued releasing health advisories, both in print and broadcast media
 - Coordinated with Family Planning Organization of the Philippines and Mercy Malaysia to assist in responding to the needs of the evacuees
 - Coordinated with RITM for the availability of 30 vials of anti-venom
 - ❖ PHO- Albay organized the PHO RHAS team and established joint command with DOH-V and formed three (3) groups to carry out the following tasks:
 - Validate number of families/persons in each evacuation centers;
 - Conduct 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;
 - Monitor activities conducted by affected LGU; and
 - Coordinated with WHO re inter-agency emergency health kit (medicines and supplies)
 - ❖ Municipal Health Officers (MHOs) were advised 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-V

- ❖ Released the following relief items worth **P442,446.00** to PSWDO Albay:
 - 2,400 bottled water (1 ltr/btl) or 200 cases worth PPhp 52,800.00
 - 88 bxs of biscuits worth PPhp 47,520.00
 - 413 bxs of noodles worth PPhp 158,592.00
 - 1,000 family food packs worth PPhp 153,534.00
 - 3,000 pcs face masks worth P30,000.00 to MDCC Guinobatan
- ❖ DSWD 5 and SWAD Team are closely coordinating with Albay PDCC/PSWDO/MDCCs for updates and to assist in the distribution of relief goods to the different evacuation centers.
- ❖ Coordinated with DOH 5 and 565 ECB re-status of water purifier

Joint AFP and PNP Efforts

- ❖ AFP/PNP deployed vehicles (2 M35 trucks, 42IB-1 M35, 83IB-1KM, 903Bde-1 M35, 9011Bde-1M35) for the pre-emptive evacuation in Brgys Calbayog, San Roque, Canaway, Buang, Magapo, Matanag, Buyuan and Municipality of Malilipot and conducted evacuation in Daraga, Legazpi City and Camalig utilizing 13 M35 trucks; 10 KM450; and 2 trucks; and imposed 24 hour curfew within 8 km danger radius of Mt. Mayon thru Sanggunian Resolution No. 2009-77 by
- ❖ NFSL-PN assisted in the evacuation of affected residents and transport of supplies to Legaspi City:
 - Deployed 2 M35 trucks to Bagumbayan Elementary School in Brgy. Buyoan, Legaspi City and evacuated 140 individuals (71 adult, 44 male, 27 female, 69 children, 37 male, 32 female);
 - Transported 244 sacks of rice from Albay PDCC to Legaspi City Social Welfare Development Office utilizing NFSL-PN- 2 M35 trucks;
 - Coordinated with DOH for IEC materials on health hazards and safety measures;
 - Distributed 200 sacks of rice at evacuation centers in Daraga and Legazpi City;
 - Provided 1 M35 truck and DRO Team to transport tents for 2 families/ 13 persons earlier evacuated at San Andres relocation site in Sto Domingo;
 - Accommodated World Food Program (WFP) and DSWD at the Naval Station; and
 - Provided 35 personnel in the installation of Mobile Warehouse;
 - **Evacuated 68 individuals (adult: 20 male, 24 female, Children – 24) utilizing 1 M35 truck;**
 - **Delivered 1 ton potable water from Naval Station to Albay Central School utilizing 1 M35 trucks. Installed a mobile relief warehouse at Naval Station in Legazpi which has been completed.**
- ❖ PNP dispatched 227 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 8 km danger radius of Mt. Mayon thru Sanggunian Resolution No. 2009-77 by the AFP & PNP.
- ❖ Albay Police Provincial Office deployed PNP Personnel and assets to assist in the evacuation of the affected families
- ❖ Joint Task Force Mayon Troops together with the Barangay Police has been continuously conducting patrol to ensure the safety of the household against people who may take advantage of the present situation in the affected areas. Check points are still enforced in Brgy Quirangay, Camalig; Brgy Salvacion and Brgy Matnog,

Daraga; Brgy Muladbucad, Guinobatan; and Brgy Buyuan, Matanag, Legazpi City. “No man’s activity” is imposed within 6-km PDZ;

- ❖ Dispatched one (1) KM 450 vehicle of 21Bn with escort and conducted area recon in barangays affected within 6-km PDZ;
- ❖ Dispatched one (1) Km 450 vehicle of 21Bn/one dump truck of AKO BIKOL which proceeded to Brgy Panadero, Daraga to conduct preventive evacuation in coordination with MPDC;
- ❖ Dispatched two (2) M35 truck from 901 Bde and Phil Navy, two (2) KM 450 vehicles from 221Bn and 311Bn to Sto Domingo, Albay to conduct forced evacuation in the affected barangays;
- ❖ Deployed one (1) dump truck of AKO BIKOL to Brgy San Luis, Albay to enforce evacuation in coordination with MPDC;
- ❖ 91D – deployed AFP assets to assist in the on-going evacuation (901Bde-1, M35 Bde, 211B-3 KM450, 221IB-1KM450, 311B-1KM450;
- ❖ **H91D, 901, 221B, 42 IB – Deployed assets for the hauling of relief goods in coordination with PDCC Albay;**

DPWH-V

- ❖ 2 Stake trucks from DPWH V were prepositioned at OCD V in Legazpi City
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