



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

Situational Report No. 30 re Taal Volcano Eruption

Releasing Officer:

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

DATE : 21 January 2020, 6:00 PM

Sources: DOST-PHIVOLCS, DOST-PAGASA, DILG, MIAA, BFP, AFP, PCG, PNP, DPWH, DOH, DepEd, PRC and OCD ROs III, CALABARZON, MIMAROPA, and NCR

I. SITUATION OVERVIEW

A. Volcanic Earthquake

Source: DOST-PHIVOLCS

A total of 719 volcanic earthquakes were plotted in Taal region as of 21 January 2020, 2:00 PM. Of which, 176 were felt, ranging from Magnitude 1.2 – 4.1 and Intensity of I – V.

B. 3-Day Wind Forecast for Taal Volcano (21 January 2020, 5:00 PM – 23 January 2020, 5:00 PM)

Source: DOST-PAGASA NCR-PRSD

Batangas, Cavite, and Laguna will have partly cloudy to cloudy skies with isolated light rains.

HEIGHT (Above Sea Level)	3-Day Forecast Wind Profile		
	21 January 2020	22 January 2020	23 January 2020
1.5 km	45-75 kph from the Northeast to East	25-45 kph from the East	25-45 kph from the East
3.0 km	10-55 kph from the Northeast to East	25-65 kph from the East to Southeast	35-55 kph from the Southeast
5.0 km	10-45 kph from the Southeast	10-45 kph from the Southeast	10-30 kph from the Southeast to South
7.0 km	10-45 kph from the Southwest to West	35-45 kph from the West to Northwest	35-55 kph from the Northwest to Southwest
10.0 – 12.0 km	10-72 kph from the Southwest to Northwest	35-90 kph from the Northwest to West	35-75 kph from the West

If the eruption column remains at 3.0 km or below, the ash plumes will be drifted to the municipalities southwest and west of Taal Volcano. However, if a major eruption occurs within the forecast period and the column exceeds 5.0 km, ash plumes may also be drifted over eastern part of Laguna, and some parts of Rizal and Marinduque.

II. EFFECTS

A. Affected Population

- A total **68,439 families / 271,278 persons** were affected in the Provinces of Batangas, Quezon, Laguna, and Cavite.
- Of which, a total of **38,906 families / 148,514 persons** are taking temporary shelter in **497 evacuation centers** while **22,217 families / 87,141 persons** are served outside ECs.
- The LGUs of Alitagtag, Balayan, Batangas City, Bauan, Calatagan, Ibaan, Lian, Lipa City, Lobo, Malvar, Nasugbu, Padre Garcia, Rosario, San Jose, San Juan, San Luis, San Pascual, Santa Teresita, Sto. Tomas, Taysan, and Tuy in Batangas; Alfonso, Amadeo, Dasmariñas, General Emilio Aguinaldo, Indang, Maragondon, Mendez (Mendez- Nuñez), Naic, Silang, Tagaytay City, and Ternate in Cavite; Cabuyao, City of Calamba, Cavinti, Kalayaan, Nagcarlan, San Pablo City, Santa Cruz, and City of Sta. Rosa in Laguna; and Candelaria, Dolores, Gumaca, Infanta, Pagbilao, Pitogo, San Antonio, Sariaya, and Tiaong in Quezon hosted IDPs from affected municipalities.

Source: DSWD DROMIC Report No. 16 on the Taal Volcano Phreatic Eruption as of 21 January 2020, 6:00 AM and OCD CALABARZON

Note: Change in figures are due to ongoing validation and verification.

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

B. Status of Lifelines

Roads

A total of **8 road sections** (previous: 7) were reported closed due to the conduct of debris/clearing operations while some roads were locked-down as safety precautions for the community.

ROAD SECTION	STATUS	REMARKS
CALABARZON		
Batangas 1st DEO		
Palico-Balayan-Batangas Road, K0127+020 – K0132 + 550 (Lemery Section), Batangas	Passable as of 18 January 2020, 10:00 AM	On LOCKDOWN for possible Taal Eruption as of 16 January 2020, 8:00 AM. All equipment and personnel were moved to DPWH Balayan office.
Batangas 3rd DEO		
Tanauan-Talisay-Tagaytay Road, Talisay-Tagaytay Section, Talisay, Batangas	Ashfall was partially cleared but currently on partial lockdown going to Talisay as per advised of LGU as safety precautions for the community. Road closed at K0070+000 due to presence of ashfall.	All clearing Operations are suspended temporarily on areas within the 14-km Radius Permanent Danger Zone. All deployed personnel and equipment are on standby at Batangas 3 rd DEO to resume rescue/clearing operations On 14 January 2020, 4:00 PM, road section was reported passable but was then closed on 15 January 2020 due to ashfall.
Talisay Laurel-Agoncillo Road		
a. Laurel Section, K0082+000-K0102+000, Batangas	Ashfall was partially cleared but currently on total lockdown with window hours from 6:00 AM - 10:00 AM at Municipality of Talisay only, as per advised of LGU as safety precautions for the community. Road closed at K0102+026 - K0102+082 due to presence of ashfall.	All clearing Operations are suspended temporarily on areas w/in the 14-km Radius Permanent Danger Zone. All deployed personnel and equipment are on standby at Batangas 3 rd DEO to resume rescue/clearing operations
b. Agoncillo Section (unclassified road from Brgy. Banyaga Agoncillo – 12km stretch)	Ashfall was partially cleared but currently on total lockdown as per advised of LGU as safety	All clearing Operations are suspended temporarily on areas w/in the 14-km Radius Permanent Danger Zone. All deployed personnel and equipment are on standby at

ROAD SECTION	STATUS	REMARKS
	precautions for the community	Batangas 3 rd DEO to resume rescue/clearing operations
c. K0114+254-K0121+074	Ashfall was cleared but currently on lockdown as per advised of LGU as safety precautions for the community	Cleared but with total lockdown with window hours from 6:00 AM to 10:00 AM at Municipality of Talisay only
Lake Taal – Tagaytay Road, Batangas	Passable as of 19 January 2020, 8:48 PM.	On LOCKDOWN as a safety precautions for the community.
		All clearing Operations are suspended temporarily on areas within the 14-km Radius Permanent Danger Zone. All deployed personnel and equipment are on standby at Batangas 3 rd DEO to resume rescue/clearing operations.
Cavite 2nd DEO		
Tagaytay – Taal Lake Road, K0057 + (-1209) – K0064 + 357, Tagaytay, Cavite	Passable as of 18 January 2020, 2:00 PM	On LOCKDOWN as a safety precautions for the community as of 15 January 2020, 8:00 AM.
		Clearing operations are suspended due to lock down. Equipment and personnel are on standby to resume rescue and relief operations
Tagaytay – Talisay Road, K0060 + (-158) – K0062 + 213, Tagaytay, Cavite	Passable as of 18 January 2020	On LOCKDOWN as a safety precautions for the community.
		Clearing operations are suspended due to lock down. Equipment and personnel are on standby to resume rescue and relief operations.

Source: DPWH Situational Report on Major Roads and Bridges due to Taal Volcano Eruption as of 21 January 2020, 1:00 PM

Air Travel

A total of **643 flights (383 domestic and 260 international)** were reported cancelled due to the volcanic ash from Taal Volcano. All flights have already resumed.

Sources: MIAA and OCD ROs NCR and III

Note: Change in figures is due to verification and validation.

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

Power Supply

A total of **20 cities/municipalities** experienced power interruption in the Provinces of Cavite, Laguna, and Batangas (CALABARZON). As of 20 January 2020, all reported areas have restored power.

REGION/ PROVINCE/ MUNICIPALITY /CITY	DATE OF INTERRUPTION / OUTAGE	DATE RESTORED
Cavite		
<i>Amadeo</i>	12 January 2020	15 January 2020, 9:30 AM
<i>Tagaytay City</i>	12 January 2020	15 January 2020, 9:30 AM
<i>Alfonso</i>	13 January 2020	17 January 2020, 9:30 AM
<i>Indang</i>	13 January 2020	17 January 2020, 9:30 AM
<i>Mendez</i>	13 January 2020	17 January 2020, 9:30 AM
Laguna		
<i>Calamba</i>	13 January 2020	January 15, 2020 - 6 brgys January 18, 2020 - 2 brgys January 19, 2020 - 1 brgy
<i>Cabuyao</i>	13 January 2020	17 January 2020, 8:00 PM
<i>Kalayaan</i>	15 January 2020, 2:00 AM	15 January 2020, 8:00 AM
<i>Lumban</i>	15 January 2020, 2:00 AM	15 January 2020, 5:00 AM
<i>Pagsanjan</i>	15 January 2020, 2:00 AM	15 January 2020, 7:30 AM
<i>Cavinti</i>	15 January 2020, 2:00 AM	15 January 2020, 6:00AM
<i>Paete</i>	15 January 2020, 2:00 AM	15 January 2020, 7:30 AM
<i>Sta. Rosa</i>	13 January 2020, 2:50 PM	13 January 2020, 3:30 PM

REGION/ PROVINCE/ MUNICIPALITY /CITY	DATE OF INTERRUPTION / OUTAGE	DATE RESTORED
San Pedro	13 January 2020, 2:50 PM	13 January 2020, 5:00 PM
Batangas		
Lipa City	12 January 2020, 6:00 PM	6 January 2020 4:00 PM
Tanauan City	12 January 2020, 6:00 PM	14 January 2020, 5:00 PM
Laurel	12 January 2020, 1:00 PM	17 January 2020, 5:00 PM
Talisay	12 January 2020, 5:45 PM	14 January 2020, 5:00 PM
Lemery	12 January 2020	17 January 2020, 5:00 PM
Malvar	13 January 2020	14 January 2020, 4:00 PM

Sources: OCD CALABARZON and DILG

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

C. Suspension of Classes and Work

Suspension of Classes

A total of **264 cities/municipalities** in Regions III, CALABARZON, MIMAROPA, and NCR declared suspension of classes. As of **21 January 2020**, classes in **227 cities/municipalities** have resumed.

Sources: OCD ROs III, CALABARZON, and NCR

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

Suspension of Work

On 13 January 2020, work in all government offices in Regions III, CALABARZON, MIMAROPA (Occidental Mindoro: Abra de Ilog, Mamburao, Paluan, Looc, and Lubang) and NCR were declared suspended. As of 14 January 2020, work in all government offices in MIMAROPA (Occidental Mindoro: Abra de Ilog, Mamburao, Paluan, Looc, and Lubang), CALABARZON, and NCR have resumed.

Sources: Office of the Executive Secretary/PIA, and OCDRO MIMAROPA

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

D. Cost of Damage

A total of **₱3,215,788,882.00** worth of damage to agriculture was incurred in the provinces of Batangas, Laguna and Cavite (CALABARZON).

REGION/ PROVINCE	CORN	HVC	RICE	FISHERIES	LIVESTOCK	TOTAL COST
TOTAL	₱88,937,300.00	₱1,394,857,909.00	₱5,655,840.00	₱1,600,000,000.00	₱126,337,833.00	₱3,215,788,882.00
CALABARZON	₱88,937,300.00	₱1,394,857,909.00	₱5,655,840.00	₱1,600,000,000.00	₱126,337,833.00	₱3,215,788,882.00
Batangas	₱88,584,500.00	₱341,058,927.00	₱4,600,000.00	₱1,600,000,000.00	₱126,272,833.00	₱2,160,516,260.00
Cavite	₱352,800.00	₱1,023,134,150.00	₱1,026,200.00	-	₱65,000.00	₱1,024,578,150.00
Laguna	-	₱30,664,832.00	₱29,640.00	-	-	₱30,694,472.00

Source: Department of Agriculture Bulletin No. 07 as of 19 January 2020, 5:00 PM

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

E. Declaration of State of Calamity

The following areas were declared under State of Calamity due to Taal Volcano's Phreatic Eruption:

REGION/ PROVINCE/ CITY/ MUNICIPALITY	RESOLUTION NO.	DATE
CALABARZON		
Batangas Province	001, s. 2020	13 January 2020
Cavite Province	1389, s. 2020	15 January 2020
Tagaytay City	2020-364	15 January 2020

Source: OCD CALABARZON

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

F. Areas on Lockdown

The following cities/municipalities in Batangas (CALABARZON) implemented total and partial lockdown:

AREA	DATE	REMARKS
BATANGAS		
<i>Lemery</i>	19 January 2020, 6:00 PM	Total
<i>Agoncillo</i>	19 January 2020, 6:00 PM	Total
<i>Laurel</i>	19 January 2020, 6:00 PM	Partial
<i>Balete</i>	19 January 2020, 6:00 PM	Total
<i>Sta. Teresita</i>	19 January 2020, 6:00 PM	Total
<i>Talisay</i>	19 January 2020, 6:00 PM	Total
<i>Taal</i>	19 January 2020, 6:00 PM	Partial
<i>San Nicolas</i>	19 January 2020, 6:00 PM	Total

Source: OCD CALABARZON

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

III. DISASTER PREPAREDNESS AND RESPONSE

A. National Disaster Risk Reduction and Management Council (NDRRMC)

1. NDRRM Operations Center (NDRRMOC)

- Activated the alert status to RED effective 12 January 2020, 9:00 PM.
- Continuously coordinating with OCDROs III, CALABARZON, and NCR re status of Taal Volcano.
- Disseminated information/notification thru Short Messaging System.
- Conducted Response Cluster meeting on 13 January 2020, 8:00 AM, at the 3rd Floor New NDRRMC Building, Camp General Emilio Aguinaldo, Quezon City.
- Prepared and disseminated Emergency Alert and Warning Message (EAWM) to provide information and warning to the public regarding the eruption:

EAWM	Date and Time	Area
Taal Volcano Alert Level 3	12 January 2020, 4:20 PM	Batangas
Health Advisory re Ashfall	12 January 2020, 6:16 PM	Batangas, Cavite, and Laguna
Taal Volcano Alert Level 4	12 January 2020, 7:30 PM	Batangas, Cavite, and Laguna
Taal Volcano re Ashfall	13 January 2020, 3:50 AM	Batangas, Bulacan, Cavite, Laguna, Rizal, and NCR

- Activated Response Cluster on 13 January 2020, 12:00 NN.
- Conducted Response Cluster Meeting for the Worst-Case Scenario re Phreatic Eruption of Taal Volcano on 15 January 2020, 11:00 AM, at the 3rd Floor New NDRRMC Building, Camp General Emilio Aguinaldo, Quezon City.
- Conducted Joint NDRRMC-RDRRMC CALABARZON Response Cluster Meeting on 17 January 2020, 1:00 PM at Batangas Sports Complex, Batangas City.
- Conducted 3rd Response Cluster Meeting on 20 January 2020, 2:00 PM at the NDRRMC Building, Camp General Emilio Aguinaldo, Quezon City.

2. Bureau of Fire Protection (BFP)

Deployed a total of 1,434 BFP personnel from Fire Suppression, Special Rescue Unit (SRU), and Emergency Medical Services (EMS) Team and a total of 231 assets (209 Fire Trucks, 5 Rescue/Hazmat Trucks, and 17 Ambulances).

3. Armed Forces of the Philippines (AFP)

Directed all Disaster Response Teams (DRTs) of subordinate units to be placed on RED ALERT.

4. Department of Public Works and Highways (DPWH)

Deployed 1 unit of mini-dump truck and 6 units of portlets from NCR, of which, 4 units were delivered at Tanauan Evacuation Center at Brgy. Sambat while 2 units were delivered to Sto. Toribio Elementary School Evacuation Center in Lipa City.

5. Department of Agriculture (DA)

- a. Allotted ₱357,000.00 from its QRF for rehabilitation and recovery program.
- b. DA Philippine Coconut Authority (PCA) has allotted ₱1,900,000 for affected coconut farmers in the form of 150,000 seedlings and fertilizers.
- c. DA Bureau of Animal Industry (BAI) sent one truck for animal rescue and evacuation, and initially delivered 20 bags of feeds. Additional 250 bags of animal feeds (100 bags of cattle feeds, 100 bags of hog growers, and 50 bags of chicken grower mash) were delivered to DA Livestock Operations Center at Southern Tagalog Integrated Agricultural Research Center (STIARC), Lipa City.
- d. DA BFAR conducted laboratory analyses for water and fish samples in Taal Lake and advised that consumption of fish from Taal Lake is safe, provided they are fresh and alive, must be washed thoroughly, with gills and internal organs properly removed, and cooked properly.
- e. DA Agricultural Credit Policy Council (ACPC), under its Survival and Recovery (SURE) Loan Assistance program, allotted ₱30,000,000.00 for emergency loan, at zero interest, payable in three years, to 1,200 affected farmers and fishers, at ₱25,000 each. The DA ACPC tapped the Rural Bank of Mt. Carmel in Tagaytay as conduit.

6. Philippine National Police (PNP)

- a. Deployed a total of 4,986 SAR personnel from the National and Regional PNP HQ as of 21 January 2020 while a total of 9,884 SAR personnel are on standby.
- b. Deployed a total of 69 trucks, 59 4-wheels, 16 coasters/buses, 5 aircrafts, and 26 seacrafts.

National Headquarters Reactionary Standby Support Force (NHQ RSSF)

Personnel of FS NHQ (RSSF) and Silang MPS conducted clean-up drive at Central Elementary School in Silang, Cavite.

B. Regional/Local Disaster Risk Reduction and Management Councils (R/LDRRMCs)

RDRRMCs III, CALABARZON, MIMAROPA, and NCR are continuously monitoring their areas of responsibility and are in close coordination with their respective member agencies to ensure the widest dissemination of updates and advisories through SMS, facsimile, and official social media websites.

RDRRMC	ALERT STATUS	DATE
III	BLUE	13 January 2020, 1:00 AM
CALABARZON	RED	12 January 2020, 4:00 PM
NCR	BLUE	12 January 2020, 8:00 PM
MIMAROPA	BLUE	12 January 2020, 8:00 PM
	WHITE	15 January 2020, 5:00 PM

1. RDRRMC CALABARZON

DILG CALABARZON

- a. Conducted inventory of Evacuation Centers in Rizal Province.
- b. Communicated with BFP and PNP re Patient Transport from Lemery, Batangas to Batangas Medical Center.
- c. Communicated to Hasan of Humanity Matters re Portalet.
- d. Communicated/coordinated with PDRRMO Cavite re Needs (tents, linens and banig)
- e. Prepared 20 family tents for Cavite Evacuation Center.
- f. Coordinated with MDRRMO Ibaan, Batangas re Transferring of Evacuees from Sports Complex to Ibaan Evacuation Center.

Police Regional Office (PRO) CALABARZON

- a. Personnel of Balete MPS and PSPG (RSSF) conducted checkpoint at lock down boundary in Malabanan-Balete, Batangas.
- b. PNP personnel of Mendez Nuñez MPS provided security during the visit of Vice President to the evacuees/victims of Taal volcano eruption at Mendez Nuñez, Cavite covered court.

Coast Guard District Southern Tagalog (CGDSTL)

Deployed CGDSTL personnel and augmentation teams, and conducted the following on 21 January 2020 from 8:00 AM to 12:00 PM within its AOR:

A. CGSS San Nicolas

- Conducted unloading of 3 trucks of various relief goods from different Riders Club.
- Rendered assistance on the medical mission at Alitagtag Evacuation Center.
- Assisted in cooking, preparing of foods, receiving, and distributing of 731 relief goods and feeding to 394 families together with personnel from the Municipality of Alitagtag, Barangay Officials, Teachers, PNP, PA, and Civilian Volunteers.

B. CGSS Lemery

Conducted repacking of 3,000 packs of relief goods in Brgy. Dalitpit Alitaptap, Alitagtag, Batangas.

C. CGSS Talisay

- Conducted seaborne patrol at vicinity water of Talisay and was able to intercept 25 motorbancas trying to approach the vicinity of Taal Island. They were advised to return back to mainland due to imminent danger caused by Taal Volcano phreatic eruptions.
- Coordinated with the patrolling PNP troops on the ground regarding security protocols being implemented at the main land of Talisay, Batangas.
- Provided assistance to “Sagip Kapamilya” of ABS-CBN medical mission for the estimated 250 affected families in Sto. Tomas.
- Conducted seaborne patrol at vicinity sea water of Balete and was able to intercept a motorbanca with 8 persons.
- Conducted crowd control and assisted in unloading, repacking and distribution of various relief goods to all affected families at Mataas na Kahoy Municipal Hall.

DA CALABARZON

- a. Distributed 1,600 food packs on 20 January 2020.
- b. Distributed 2,599 sacks of 50-kg rice from NFA; 9,600 sacks from Valenzuela City; 175 sacks from DA-RFO II; 529 sacks from DA-RFO I; 120 sacks from DA-CAR FO; and 280 sacks of 25-kg rice from DA-RFO III.
- c. Distributed assorted vegetables: six metric tons (MT) from La Trinidad, Benguet thru DA-CAR FO; 1.5 MT cabbage from DA-CAR FO; and 14.8 MT from Nueva Vizcaya Agricultural Terminal (NVAT) thru from DA-RFO II
- d. DA BFAR CALABARZON and National Fisheries Research and Development Institute (NFRDI) turned-over 550 food packs to DA-RFO CALABARZON. Donations from DA BFAR Central and DA-BFAR RFOs III, V, and XI are currently being repacked.
- e. DA Taal Livestock Care Emergency Operations Center at STIARC, Lipa City, will serve as temporary shelter for rescued livestock animals. Currently, it takes care of 66 animals, given free feeds, biologics, vitamins and other veterinary supplies.

PDRRMC Batangas

Coordinated with PSWDO re 2 trucks to pick-up 20 sacks of 40-kg rice at Lipa City.

2. METRO MANILA DRRM COUNCIL

DPWH – NCR

Delivered 6 units of portable toilets (portalets), ready for deployment in Tanauan Evacuation Center.

IV. COST OF ASSISTANCE

A total of **₱26,591,320.87** worth of assistance was provided by DSWD, DOH, DepEd, and LGU to the affected families.

*Sources: DROMIC Report No.16 as of 21 January 2020, 6:00 AM, DOH Sitrep no. 10, DepEd, OCD ROs CALABARZON, MIMAROPA
Note: Ongoing validation and verification*

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP
