



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. 27 re Taal Volcano Eruption

Releasing Officer:

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

DATE : 20 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 **716 volcanic earthquakes** were plotted in Taal region as of **20 January 2020, 12:00 NN**. 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 (19 January 2020, 5:00 PM – 21 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		
	20 January 2020	21 January 2020	22 January 2020
1.5 km	25-55 kph from the Northeast to East	45-60 kph from the East	30-60 kph from the East to Southeast
3.0 km	15-40 kph from the North to Northeast	25-55 kph from the Northeast to East	25-55 kph from the East to Southeast
5.0 km	25-40 kph from the East to Southeast	25-45 kph from the Southeast	15-40 kph from the Southeast to South
7.0 km	15-20 kph from the South to Southeast	15-30 kph from the Southwest to West	25-55 kph from the West
10.0-12.0 km	15-40 kph from the Southwest	15-75 kph from the Southwest to West	15-110 kph from the West to Northwest

If the eruption column remains at **3.0 km** or below, the ash plumes will be drifted to the municipalities **south, southwest, west, and northeast** of Taal Volcano. **If the**

ash column is between 3.0 and 5.0 km, the ash plumes may also be drifted to some towns of Cavite and western Laguna. However, if a major eruption occurs within the forecast period and the column exceeds 5.0 km, ash plumes may also be drifted over Metro Manila, other parts of Laguna, and some parts of Rizal, Marinduque, and Quezon Province.

II. EFFECTS

A. Affected Population

- A total **53,716 families / 215,773 persons** were affected in the Provinces of Batangas, Quezon, Laguna, and Cavite.
- Of which, a total of **29,424 families / 112,757 persons** are taking temporary shelter in **416 evacuation centers** while **17,505 families / 69,304 persons** are served outside ECs.
- The LGUs of Alitagtag, Balayan, Batangas City, Bauan, Calatagan, Ibaan, Lian, Lipa City, Malvar, Nasugbu, Rosario, San Jose, San Juan, San Luis, San Pascual, Santa Teresita, Sto. Tomas, Taysan, and Tuy in Batangas; Alfonso, Dasmariñas, 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, Perez, Pitogo, San Antonio, Sariaya, and Tiaong in Quezon hosted IDPs from affected municipalities.

Source: DSWD DROMIC Report No. 14 on the Taal Volcano Phreatic Eruption as of 20 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

- On 13 January 2020, a total of **3 road sections** were reported closed due to ashfall. Said roads were opened on 14 January 2020.
- On 15 January 2020, Tanauan-Talisay-Tagaytay Road was closed again due to ashfall.
- To this date, all road sections are passable but were reported closed due to lockdown 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 cleared but currently on LOCKDOWN as safety precautions for the community as of 18 January 2020, 8:00 AM.	All clearing Operations are suspended temporarily on areas within the 14 KM Radius Danger Zone. All deployed personnel and equipment are on standby at Batangas 3rd 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

ROAD SECTION	STATUS	REMARKS
CALABARZON		
		ashfall.
Talisay Laurel-Agoncillo Road		
a. Laurel Section, K0082+000-K0102+000, Batangas	Ashfall was cleared but currently on LOCKDOWN as safety precautions for the community as of 18 January 2020, 5:00 PM.	All clearing Operations are suspended temporarily on areas within the 14 KM Radius Danger Zone. All deployed personnel and equipment are on standby at Batangas 3rd DEO to resume rescue/clearing.
b. Agoncillo Section (unclassified road from Brgy. Banyaga Agoncillo – 12km stretch)	Ashfall was cleared but currently on LOCKDOWN as safety precautions for the community as of 18 January 2020, 5:00 PM.	All clearing Operations are suspended temporarily on areas within the 14 KM Radius Danger Zone. All deployed personnel and equipment are on standby at Batangas 3rd DEO to resume rescue/clearing.
Lake Taal – Tagaytay Road, Batangas	Ashfall was cleared but currently on LOCKDOWN as safety precautions for the community as of 18 January 2020, 8:00 AM.	All clearing Operations are suspended temporarily on areas within the 14 KM Radius Danger Zone. All deployed personnel and equipment are on standby at Batangas 3rd 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 18 January 2020, 5:00 PM

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP

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	REMARKS
CALABARZON			
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	
<i>San Pedro</i>	13 January 2020, 2:50 PM	13 January 2020, 5:00 PM	
Batangas			
<i>Lipa City</i>	12 January 2020, 6:00 PM	6 January 2020 4:00 PM	
<i>Tanauan City</i>	12 January 2020, 6:00 PM	14 January 2020, 5:00 PM	
<i>Laurel</i>	12 January 2020, 1:00 PM	17 January 2020, 5:00 PM	
<i>Talisay</i>	12 January 2020, 5:45 PM	14 January 2020, 5:00 PM	
<i>Lemery</i>	12 January 2020	17 January 2020, 5:00 PM	
<i>Malvar</i>	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 **20 January 2020**, classes in **190 cities/municipalities** (previous report: 177) 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		
Lemery	19 January 2020, 6:00 PM	Partial
Agoncillo	19 January 2020, 6:00 PM	Total
Laurel	19 January 2020, 6:00 PM	Partial
Balete	19 January 2020, 6:00 PM	Total
Sta. Teresita	19 January 2020, 6:00 PM	Total
Talisay	19 January 2020, 6:00 PM	Total
Taal	19 January 2020, 6:00 PM	Partial
San Nicolas	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.

- c. Disseminated information/notification thru Short Messaging System.
- d. Conducted Response Cluster meeting on 13 January 2020, 8:00 AM, at the 3rd Floor New NDRRMC Building, Camp General Emilio Aguinaldo, Quezon City.
- e. 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

- f. Activated Response Cluster on 13 January 2020, 12:00 NN.
- g. 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.
- h. Conducted Response Cluster Meeting on 17 January 2020, 1:00 PM at Batangas Sports Complex, Batangas City.
- i. **Conducted 3rd Response Cluster Meeting on 20 January 2020, 2:00 PM at the NDRRMC Building, Camp General Emilio Aguinaldo, Quezon City.**

2. Armed Forces of the Philippines (AFP)

- a. Assisted in the loading, unloading, and distribution of relief goods.
- b. Deployed personnel at Brgy. Sta. Cruz, Agoncillo, Batangas.
- c. Conducted checkpoint and patrolling within the vicinity of Agoncillo and Brgy. Banjo West, Tanauan City in Batangas.
- d. Conducted briefing for emergency evacuation of uniformed personnel in case of worst-case scenario will occur.
- e. Personnel deployed in Agoncillo, Batangas conducted rehearsal for the evacuation plan if an eruption will occur together with PNP.
- f. Assisted in hauling 1 pick-up and unloading 5 boxes of bread in Alitagtag, Batangas.
- g. Assisted in hauling 2 vehicles from Parañaque loaded with 20 sacks of rice.

3. Philippine National Police (PNP)

- a. Provided assistance in unloading of donations and relief goods from private sectors and other donors.
- b. Established Police Assistance Desk (PAD) at Alfonso Central School, Brgy. Poblacion 2, Alfonso, Cavite to provide security and assistance to the evacuees from Taal, Laurel, and Agoncillo, Batangas.

National Headquarters Reactionary Standby Support Force (NHQ RSSF)

- a. Provided assistance in the distribution of relief goods, conducted area security, and police assistance to evacuees at the Batangas State University evacuation center, Batangas City.

Directorate for Police Community Relations (DPCR)

- a. Conducted inspection in evacuation centers.

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

Police Regional Office (PRO) CALABARZON

- a. Provided assistance in loading of relief goods intended for uniformed and non-uniformed personnel who were affected by Taal Volcano eruption.
- b. Conducted dialogue with the evacuees at Banaba West Elementary School evacuation center regarding house rules particularly on liquor ban, no smoking, curfew hours, observance of garbage disposal, health and sanitation, and what to do during earthquake.
- c. Conducted SIMEX on Quick Evacuation Plan among the severely affected Police Stations in case of Taal Volcano major eruption.
- d. Conducted ocular inspection for possible landing zone of the President of the Philippines in his visit at the Polytechnic University of the Philippines, Sto. Tomas City, Batangas.
- e. Provided assistance in the delivery of relief goods from Lutuing Pinoy atbp. from Tagaytay City.

DOH CALABARZON

- a. Provided medicines and medical logistics as augmentation for CHD IV-A.
- b. Provided bed mats, pillows, and other toiletries for personal hygiene, counselling services, and other logistics needed by the evacuees.
- c. Facilitated the orientation and Stakeholders Meeting with CHD Region II for Quad Cluster deployment.
- d. Received communication and commitment from DOH CHD for their medical support team deployment.

IV. COST OF ASSISTANCE

A total of **₱17,227,950.61** worth of assistance was provided by DSWD, DOH, and LGU to the affected families.

Sources: DROMIC Report No.11 as of 18 January 2020, 6:00 AM, DOH Sitrep no. 10 and OCD CALABARZON

Note: Ongoing validation and verification

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP