



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. 51 re Taal Volcano Eruption

Releasing Officer:


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

DATE : 30 January 2020, 6:00 AM

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

I. SITUATION OVERVIEW

A. Volcanic Earthquake

Source: DOST-PHIVOLCS

The Philippine Seismic Network (PSN) plotted a total of **763 volcanic earthquakes** as of **30 January 2020, 6:00 AM**. **177** of these registered at magnitudes 1.2 – 4.1 and were felt at Intensities I – V.

B. 3-Day Wind Forecast for Taal Volcano (28 January 2020, 5:00 PM – 30 January 2020, 5:00 PM)

Source: DOST-PAGASA NCR-PRSDa

Batangas, Cavite, and Laguna will have partly cloudy to cloudy skies with isolated rainshowers or thunderstorms.

HEIGHT (Above Sea Level)	3-Day Forecast Wind Profile		
	28 January 2020	29 January 2020	30 January 2020
1.5 km	5-15 kph from the West to Northwest	5-20 kph from the Northwest to North	5-24 kph from the North to Northeast
3.0 km	30-40 kph from the West	20-35 kph from the West to Northwest	20-30 kph from the West
5.0 km	45-55 kph from the Southwest to West	30-45 kph from the West	30-45 kph from West
7.0 km	45-55 kph from the West to Northwest	35-55 kph from the Northwest to West	20-30 kph from the West to Southwest
10.0 – 12.0 km	25-40 kph from the West to Northwest	15-35 kph from the West to Southwest	15-40 kph from the Southwest

If the eruption column remains at 5.0 km or below, the ash plumes may be drifted to the Municipalities **east and southeast** of Taal Volcano. However, if a major eruption occurs within the forecast period and the column exceeds 7.0 km, ash plumes may also be drifted over the **southern parts of Laguna, Batangas, and Quezon**.

II. EFFECTS

A. Affected Population

- A total **124,764 families / 464,728 persons** were affected in the Provinces of Batangas, Quezon, Laguna, and Cavite.

- Of which, a total of **19,131 families / 66,989 persons** are taking temporary shelter in **415 evacuation centers** while **60,538 families / 225,389 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 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; Candelaria, Dolores, Gumaca, Infanta, Pagbilao, Pitogo, San Antonio, Sariaya, and Tiaong in Quezon; Angono, City of Antipolo, Baras, Binangonan, Cainta, Cardona, Jala-Jala, Morong, Pililla, Rodriguez (Montalban), Taytay, and Teresa in Rizal; and Caloocan, Makati, Malabon, Manila, Marikina, Muntinlupa, Parañaque, Taguig, Quezon City, San Juan and Valenzuela in NCR hosted IDPs from affected municipalities.

Sources: DSWD DROMIC Report No. 31 on the Taal Volcano Phreatic Eruption as of 29 January 2020, 6:00 PM 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 **9 road sections** were reported closed due to **damage**, conduct of debris/clearing operations, while some roads were locked-down as safety precautions for the community.
- **As of 28 January 2020**, a total of **5 road sections** are open to traffic, while **4 road sections** are still on lockdown.

ROAD SECTION	REMARKS	STATUS
CALABARZON		
Batangas 1st DEO		
Palico-Balayan-Batangas Road, K0127+020 – K0132 + 550 (Lemery Section), Batangas	On LOCKDOWN for possible Taal Eruption as of 16 January 2020, 8:00 AM.	Passable effective 27 January 2020, 4:00 PM.
	All equipment and personnel were moved to DPWH Balayan office.	
	Reported passable on 18 January 2020, 10:00 AM	
Batangas 3rd DEO		
Tanauan-Talisay-Tagaytay Road, (K0064+(-398) – K0085+673) Talisay-Tagaytay Section, Talisay, Batangas,	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	Passable effective 27 January 2020, 4:00 PM
	On 14 January 2020, 4:00 PM, road section was reported passable but was then closed on 15 January 2020 due to ashfall.	
	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.	
Talisay Laurel-Agoncillo Road		
a. Laurel Section, K0082+000-K0102+000, Batangas	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	Passable effective 27 January 2020, 4:00 PM.
	Ashfall was partially cleared but currently on total lockdown with window hours from 6:00 AM - 10:00	

ROAD SECTION	REMARKS	STATUS
	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.	
b. Agoncillo Section (unclassified road from Brgy. Banyaga Agoncillo – 12km stretch) (K0102+271 – K0114+-254)	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	On LOCKDOWN but with window hours from 6:00AM to 10:00AM
	Ashfall was partially cleared but currently on total lockdown as per advised of LGU as safety precautions for the community	
c. K0114+254-K0121+074	Ash was cleared but on total lockdown with window hours from 6:00 AM to 10:00 AM at Municipality of Talisay only	Passable effective 28 January 2020, 3:00 PM.
d. K0100+026+K102+082		Closed to traffic due to damaged pavement and lockdown at Laurel and Agoncillo.
Lake Taal – Tagaytay Road, Batangas	On LOCKDOWN as a safety precautions for the community.	Passable effective 27 January 2020, 2:57 PM.
	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.	
	Reported passable on 19 January 2020, 8:48 PM.	
Cavite 2nd DEO		
Tagaytay – Taal Lake Road, K0057 + (-1209) – K0064 + 357, Tagaytay, Cavite	Reported passable on 18 January 2020, 2:00 PM.	On LOCKDOWN as 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	
Tagaytay – Talisay Road, K0060 + (-158) – K0062 + 213, Tagaytay, Cavite	Reported passable on 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 27 January 2020, 4:00 PM
 **Note: Previously reported opened road (Agoncillo Section (K0102+271 – K0114+-254)) is still closed per verification.

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 **22 cities/municipalities** (previous report: 20) experienced power interruption in the Provinces of Cavite, Laguna, and Batangas (CALABARZON). **As of 29 January 2020, all reported areas have restored power.**

REGION/ PROVINCE/ MUNICIPALITY /CITY	DATE OF INTERRUPTION / OUTAGE	DATE RESTORED
CALABARZON		
Cavite		
Amadeo	12 January 2020	15 January 2020, 9:30 AM
Tagaytay City	12 January 2020	15 January 2020, 9:30 AM
Alfonso	13 January 2020	17 January 2020, 9:30 AM
Indang	13 January 2020	17 January 2020, 9:30 AM
Mendez	13 January 2020	17 January 2020, 9:30 AM
Laguna		
Calamba	13 January 2020	January 15, 2020 - 6 brgys January 18, 2020 - 2 brgys January 19, 2020 - 1 brgy
Cabuyao	13 January 2020	17 January 2020, 8:00 PM
Kalayaan	15 January 2020, 2:00 AM	15 January 2020, 8:00 AM
Lumban	15 January 2020, 2:00 AM	15 January 2020, 5:00 AM
Pagsanjan	15 January 2020, 2:00 AM	15 January 2020, 7:30 AM
Cavinti	15 January 2020, 2:00 AM	15 January 2020, 6:00AM
Paete	15 January 2020, 2:00 AM	15 January 2020, 7:30 AM
Sta. Rosa	13 January 2020, 2:50 PM	13 January 2020, 3:30 PM
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
Balete	12 January 2020	29 January 2020, 6:00 AM
Sta. Teresita	25 January 2020	26 January 2020

Sources: OCD CALABARZON and DILG

Water Supply

A total of **three (3) cities/municipalities** experienced water interruption in the Province of Batangas. Of which, water supply in **two (2)** of the reported areas have been restored.

REGION/ PROVINCE/ MUNICIPALITY /CITY	DATE OF INTERRUPTION / OUTAGE	DATE RESTORED	REMARKS
CALABARZON			
Batangas			
Laurel	12 January 2020	28 January 2020	
Taal	21 January 2020	26 January 2020	
Talisay	12 January 2020	-	Ongoing restoration

Source: OCD CALABARZON

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 **29 January 2020**, classes in **231 cities/municipalities** have resumed.

Sources: OCD ROs III, CALABARZON, and NCR

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 **₱3,352,948,882.00** worth of damage to infrastructure and agriculture was incurred in the provinces of Batangas, Laguna and Cavite (CALABARZON).

REGION/ PROVINCE	AGRICULTURE					INFRASTRUCTURE	TOTAL COST
	CORN	HVC	RICE	FISHERIES	LIVESTOCK	ROADS/ BRIDGES/ OTHER STRUCTURES	
TOTAL	₱88,937,300.00	₱1,394,857,909.00	₱5,655,840.00	₱1,600,000,000.00	₱126,337,833.00	₱137,160,000.00	₱3,352,948,882.00
CALABARZON	₱88,937,300.00	₱1,394,857,909.00	₱5,655,840.00	₱1,600,000,000.00	₱126,337,833.00	₱137,160,000.00	₱3,352,948,882.00
Batangas	₱88,584,500.00	₱341,058,927.00	₱4,600,000.00	₱1,600,000,000.00	₱126,272,833.00	₱137,160,000.00	₱2,297,676,260.00
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

Sources: DA Bulletin No. 07 as of 19 January 2020, 5:00 PM and DPWH Situational Report as of 26 January 2020, 4:00 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

All previously reported areas under lockdown were given the option to return to their area of residence except for the following areas:

AREA	DATE	REMARKS
BATANGAS		
Agoncillo		
Subic Ilaya	27 January 2020, 10:00 AM	Total
Bilibinwang	27 January 2020, 10:00 AM	Total
Banyaga	27 January 2020, 10:00 AM	Total
Laurel		
Buso-Buso	27 January 2020, 10:00 AM	Total
Gulod	27 January 2020, 10:00 AM	Total
Bugaan East	27 January 2020, 10:00 AM	Total
Balete		
Calawit	27 January 2020, 10:00 AM	Permanent
Talisay		
San Isidro	27 January 2020, 10:00 AM	Permanent
Sitio Tabla	27 January 2020, 10:00 AM	Permanent
San Nicolas		

<i>Alas-as</i>	27 January 2020, 10:00 AM	Permanent
<i>Pulang-Bato</i>	27 January 2020, 10:00 AM	Permanent

Sources: OCD CALABARZON and PNP

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)

- a. Activated the alert status to RED effective 12 January 2020, 9:00 PM.
- b. 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 Joint NDRRMC-RDRRMC CALABARZON 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. Department of Education (DepEd)

- a. Released a memorandum that provides the guidelines for tracking of learners and personnel, donations, and other immediate interventions to be undertaken.
- b. Engineers of DepEd assessed the condition of school buildings in areas of Batangas where the lockdown has been lifted.

3. Philippine National Police (PNP)

As of 30 January 2020, 3:00 AM:

- Deployed 1,615 SAR personnel from the National and Regional PNP headquarters.
 - Placed 10,503 SAR personnel on standby.
 - Deployed 654 PNP personnel to evacuation areas in CALABARZON.
 - Deployed 178 PNP personnel to the vacated areas.
 - Rescued 130,976 civilians.
- a. Provided assistance in unloading 10 trucks of relief goods from the province of Pampanga.

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 I

DSWD I

Deployed two teams to Balayan, Batangas to conduct assessment and profiling of IDPs and updating of Evacuation Center Information Board.

2. RDRRMC III

DSWD III

- a. Provided food and non-food items as augmentation to DSWD CALABARZON.
- b. Deployed three (3) teams to assist in Camp Coordination and Camp Management, Mental Health and Psychosocial Support, and the Incident Command System.

3. RDRRMC CALABARZON

OCD CALABARZON

Facilitated the distribution of 22 portalets from OCD Central Office to LGUs Ibaan, Batangas (10 units) and Calamba, Laguna (12 units).

PNP

29 January 2020

Batangas PPO

- a. Conducted mobile patrolling and monitoring of establishments, vital installations, and movement of affected families back to their residences in Balete and Talisay, Batangas.
- b. Provided assistance to a team from Pampanga during the relief operation at Batangas Sports Complex.
- c. Implemented Oplan Sita and activated the Anti-looting Task Force in relation to the implementation of total lockdown of barangays in Agoncillo, Batangas.
- d. Provided police assistance in Mabini, Sto. Tomas, Lian, and Talisay, Batangas.
- e. Conducted a clean-up drive at Venancio Trinidad Memorial Elementary School in San Jose, Batangas.

- f. Provided police assistance during the distribution of relief goods at Brgy. Banaba Evacuation Center.

DSWD CALABARZON

- a. Deployed staff to Batangas City for the distribution of FFPS, and to San Fernando Airbase, Lipa City for the stockpile.
- b. Facilitated the social preparation and coordination of families left in evacuation centers for their return to their respective residences.

4. MMDRRMC

DSWD – NCR

Provided 196 family food packs and 189 pieces of sleeping kits to the walk-in IDPs from Batangas who evacuated in Metro Manila.

IV. COST OF ASSISTANCE

A total of **₱84,097,646.85** worth of assistance was provided by DSWD, DA, DOH, DepEd, and LGU to the affected families.

Sources: DSWD DROMIC Report No. 30 on the Taal Volcano Phreatic Eruption as of 28 January 2020, 6:00 PM, DOH HEARS Plus Report, DOH Sitrep no. 17, DepEd Sitrep no. 17, OCD ROs CALABARZON, MIMAROPA, and DA

Note: The decrease in the cost of assistance (DSWD DROMIC) is due to the actual unit cost of the relief items distributed to affected families and individuals.

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP
