



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. 35 re Taal Volcano Eruption

Releasing Officer:

UNDERSECRETARY RICARDO B JALAD

Executive Director, NDRRMC and

Administrator, OCD

DATE : 23 January 2020, 12:00 NN

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 **819 volcanic earthquakes** were plotted in Taal region as of **23 January 2020, 10:00 AM**. 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 (22 January 2020, 5:00 PM – 24 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		
	22 January 2020	23 January 2020	24 January 2020
1.5 km	26-50 kph from the East	26-50 kph from the East to Southeast	28-50 kph from the East to Southeast
3.0 km	20-54 kph from the East to Southeast	25-44 kph from the Southeast	14-34 kph from the Southeast
5.0 km	13-61 kph from the Southeast	10-30 kph from the Southeast to South	12-35 kph from the South to Southwest
7.0 km	13-34 kph from the Southwest to West	13-33 kph from the Southwest	25-33 kph from the Southwest
10.0 – 12.0 km	50-76 kph from the Northwest to West	46-67 kph from the West to Southwest	48-69 kph from the West to Southwest

If the eruption column remains at 5.0 km or below, the ash plumes will be drifted to the municipalities west and northwest 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 western parts of Laguna and Quezon.

II. EFFECTS

A. Affected Population

- A total **81,067 families / 316,989 persons** were affected in the Provinces of Batangas, Quezon, Laguna, and Cavite.
- Of which, a total of **39,811 families / 147,873 persons** are taking temporary shelter in **500 evacuation centers** while **30,325 families / 119,106 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.

Sources: DSWD DROMIC Report No. 20 on the Taal Volcano Phreatic Eruption as of 23 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** were reported closed due to the conduct of debris/clearing operations while some roads were locked-down as safety precautions for the community.
- As of 6:00 PM, 22 January 2020, a total of 4 road sections are now passable.

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

ROAD SECTION	STATUS	REMARKS
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 precautions for the community	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
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

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
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

REGION/ PROVINCE/ MUNICIPALITY /CITY	DATE OF INTERRUPTION / OUTAGE	DATE RESTORED
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

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 **23 January 2020**, classes in **228 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 **₱3,215,788,882.00** 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
<i>Mataas na Kahoy</i>	21 January 2020	Total
<i>Cuenca</i>	21 January 2020	Partial
<i>Alitagtag</i>	21 January 2020	Partial
<i>City of Tanauan</i>	21 January 2020	Total

Source: OCD CALABARZON, 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)

- 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. Armed Forces of the Philippines (AFP)

23 January 2020

- a. Deployed 115 officers, 1,431 enlisted personnel, 105 military vehicles, 2 floating assets, and 2 air assets to the affected areas.
- b. Provided manpower assistance (reservists) in the distribution of assorted relief goods at the Provincial Sports Complex in Batangas.
- c. Continuous construction of temporary comfort rooms at main evacuation center at Poblacion 3, Sto Tomas, Batangas (355 AEW, PAF) and two (2) temporary comfort rooms at Brgy. Luta del Sur, Malvar, Batangas (564ECB, 51EBde, PA).
- d. Provided three (3) construction teams for the construction of latrines at Sambat Elem School, San Pascual; Banay-banay II, San Jose; Batangas Sports Complex, Batangas City (514ECB, 51EBde, PA).

3. Bureau of Fire (BFP)

- a. Deployed a total of 1,319 BFP personnel from Fire Suppression, 17 personnel from Special Rescue Unit (SRU), and 75 personnel from Emergency Medical Services (EMS) Team and a total of 233 assets (210 Fire Trucks, 6 Rescue/Hazmat Trucks, and 17 Ambulances) to the affected areas.
- b. Conducted water rationing, flushing operation, relief goods distribution, medical service and Earthquake Drill and briefing in the Provinces of Batangas, Cavite, Laguna, Quezon and Rizal.

4. Department of Health (DOH)

DOH-DPCB and CHDs in collaboration with UNICEF, WHO, Oxfam, Plan International and Relief International organized and conducted WASH Rapid Assessment in the provinces of Batangas, Cavite and Laguna.

5. Department of Public Works and Highways (DPWH)

Tanauan City Evacuation Center **Status:**

- 68 families, 254 individuals were transferred from Tanauan North Central Elementary School
- 1 unit mini dump truck deployed
- 6 units portable toilets (portalets) from NCR,
 - 4 units portable toilets (portalets) delivered at Tanauan evacuation center at Brgy Sambat received by Mr. Ed Mendoza CDRMO member,
 - 2 units portable toilets (portalets) delivered at Sto. Toribio Elem school evacuation center Lipa City received by the Principal and teacher Gema Lanzon Fajilan

6. Department of Agriculture (DA)

- a. DA PCA released ₱1,900,000 worth of checks under the Participatory Coconut Planting Project (PCPP) wherein each coconut farmer under the project received ₱40.00/seedling, depending on their area of plantation.
- b. DA PCA allocated ₱5,300,000.00 for the rehabilitation of coconut plantations in the municipalities in Batangas. The budget was allocated for the procurement of local coconut seedlings and intercropping package (e.g. banana and coffee).
- c. DA Bureau of Soils and Water Management (BSWM) conducted soils sampling in ash fall affected areas in Cavite and Batangas. BSWM initially recommended that plowing can be done to the original soil for the rehabilitation of agricultural areas.

- d. DA Bureau of Plant Industry (BPI) recommended the removal of ashfall using power sprayer. BPI also recommended conditioning of soil through the application of organic matter for partially damaged crops and total replanting for totally damaged crops.

7. Philippine National Police (PNP)

- a. As of 23 January 2020, 9:00 AM:
- Deployed 1,835 SAR personnel from the National and Regional PNP headquarters
 - 10,083 SAR personnel are placed on standby
 - Deployed 1,655 personnel (NCRPO and PRO CALABARZON) in evacuation areas for security and law and order concerns
 - Rescued 133,425 civilians
 - Deployed 244 personnel from PRO CALABARZON in areas vacated by affected residents.
 - PNP Vehicles: 87 Trucks, 59 (4wheels), 16 Coasters/Bus, 5 Aircraft and 26 Seacraft.

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 III

PRO III

- a. Mexico PS escorted the Mayor of the Municipality of Mexico, Pampanga going Batangas bringing relief goods.
- b. PNP personnel of Sta. Maria PS provided security assistance to the LGU of Sta. Maria, Bulacan for delivery and distribution of relief goods to the victims of Taal Volcanic eruption in Batangas.
- c. Capas Tarlac Mayor, with COP, Capas and party donated relief goods at Alalum Evacuation Center, San Pascual MPS.

2. RDRRMC CALABARZON

PRO CALABARZON

- a. Batangas CPS conducted police assistance to the arrival of First Lady onboard presidential chopper at Batangas Sports Complex, Brgy. Bolbok, Batangas City to visit and distribute relief goods for the evacuees.
- b. PD, BPPO received 3 boxes of face masks donated by Global Leaders Organization, South Korea for the evacuees.
- c. Alfonso MPS together with Cavite PPO provided security assistance to the senator during the giving of financial aid to municipalities of Cavite and Batangas Province.

IV. COST OF ASSISTANCE

A total of **₱27,479,948.79** worth of assistance was provided by DSWD, DOH, DepEd, and LGU to the affected families.

Sources: DROMIC Report No. 20 as of 23 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
