



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. 32 re Taal Volcano Eruption

Releasing Officer:

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

DATE : 22 January 2020, 12:00 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 **725 volcanic earthquakes** were plotted in Taal region as of **22 January 2020, 6:00 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 (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 (TAB A)

- A total **71,717 families / 282,021 persons** were affected in the Provinces of Batangas, Quezon, Laguna, and Cavite.
- Of which, a total of **39,052 families / 148,987 persons** are taking temporary shelter in **493 evacuation centers** while **23,133 families / 90,017** 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. 17 on the Taal Volcano Phreatic Eruption as of 21 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 **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.

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 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	Cleared but with total lockdown with window hours from 6:00 AM to 10:00 AM at Municipality of Talisay only

ROAD SECTION	STATUS	REMARKS
	safety precautions for the community	
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
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

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

- 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 memorandum on the regional guidelines in the affected areas due to volcanic activity of Taal that includes the tracking of learners and personnel and the deployment of ADMs, etc.
- b. Deployed MHPSS team to Batangas Division and other affected divisions for the conduct of Psychological First Aid.

3. Department of Health (DOH)

- a. Conducted 3rd Incident Management Team (IMT) meeting.

- b. Deployed 53 health teams which includes 45 Medical/Public Health teams, 3 Water Sanitation and Hygiene teams, and 5 Mental Health and Psychosocial Support teams.
- c. Conducted WASH Rapid Health Assessment together with WHO and UNICEF.
- d. Two (2) Philippine Emergency Medical Assistance Teams (PEMAT) were mobilized to provide extensive health services including consultations, minor surgeries, and laboratory capacity to better cater the health needs of the affected population.
- e. Conducted misting in 54 evacuation centers in the municipalities of Calatagan, Malvar, San Luis, San Pascual, and Sto. Tomas, Batangas.
- f. Deployed 3 WASH teams to conduct WASH Rapid Health Assessment and provide technical assistance to the affected Local Government Units (LGUs).
- g. WASH Rapid Health Assessment Team visited 3 evacuation centers and conducted extensive meeting with LGU of Balayan, Batangas.

4. Philippine National Police (PNP)

- a. Deployed 2,767 SAR personnel from the National and Regional PNP headquarters as of 22 January 2020. Further, a total of 10,132 SAR personnel are on standby.
- b. Deployed 1,956 personnel (NCRPO and PRO CALABARZON) in evacuation areas for security and law and order concerns.
- c. A total of 132,509 civilians have been rescued by PNP.
- d. A total of 244 personnel from PRO CALABARZON were deployed in areas vacated by affected residents.
- e. ITMS RSSF and Lemery PS personnel conducted lockdown/checkpoint at Pansipit Bridge, Brgy. Nagpuloc, Lemery, Batangas.
- f. Police Community Affairs and Development Group (PCADG) proceeded to Solaire, Pasay City to pick-up relief goods and assisted the Officers Ladies Club in repacking goods for the victims of Taal volcano eruption.
- g. NHQ Finance Service Reactionary Standby Support Force (FS-RSSF) and Silang Municipal Police Station conducted clean-up drive at Central Elementary School in Silang, Cavite.
- h. Balete Municipal Police Station and Police Security and Protection Group (PSPG-RSSF) conducted checkpoint at lock down boundary in Malabanan-Balete, Batangas.
- i. Information Technology and Management Service (ITMS-RSSF) and Lemery PS personnel conducted lockdown/checkpoint at Pansipit Bridge, Brgy. Nagpuloc Lemery, Batangas.
- j. Rendered invocation and Biblical Reflection prior to deployment at Evacuation Centers.

5. Bureau of Fire Protection (BFP)

- a. 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 222 assets (200 Fire Trucks, 5 Rescue/Hazmat Trucks, and 17 Ambulances).

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

DOH CALABARZON

- a. Arranged medical deployment of Regional Response Team on National Immunization Program, Family Health, Water Sanitation and Hygiene, Vector Borne Unit, Public Health Cluster, and MHPSS team.

BATANGAS PROVINCIAL HEALTH OFFICE

- a. Conducted orientation on all medical response teams and task force.
- b. Augmented disaster medicines, 18,000 face masks, 20 Hygiene kits, 125 jerry cans, and 10 modular tents in the affected municipalities in the province of Batangas.
- c. Conducted identification and prioritization of evacuation centers for the installation of breastfeeding/lactation sites.
- d. Continuous monitoring and survey of logistics needed for evacuation centers.

DSWD CALABARZON

- a. Deployed a total of 207 personnel to conduct CCCM to 21 LGUs with 88 evacuation centers.
- b. Distributed 467 pcs of Malong and 89 family food packs to Bay, Laguna.
- c. Distributed 500 pcs of sleeping kits to Candelaria, Quezon.
- d. Conducted a meeting with IOM and WFP re the utilization of WFP mobile application for the assessment of families in ECs.
- e. Scheduled a meeting with LSWDOs on 22 to discussed the situational updates and status of affected families/number of ECs/host and Originating LGUs, summary of assistance provided, deployment staff for CCCM and GIS administration, profiling of affected families inside and outside ECs, other gaps/concerns and recommendation/action taken - FO and CO levels, other concerns and recommendation - LGU/LSWDO levels and synthesis/ways forward.

2. RDRRMC MIMAROPA

CHD MIMAROPA

- a. Conducted feeding program to the displaced persons in Indang, Naic, Maragondon, Magallanes, and Alfonso, Cavite.

IV. COST OF ASSISTANCE (TAB B)

A total of **₱26,926,598.33** worth of assistance was provided by DSWD, DOH, DepEd, and LGU to the affected families.

Sources: DROMIC Report No.17 as of 21 January Sources: DROMIC Report No.17 as of 21 January 2020, 6:00 PM, DOH Sitrep no. 10, DepEd, OCD ROs CALABARZON, MIMAROPA

Note: Ongoing validation and verification