



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. 15 re Taal Volcano Eruption

Releasing Officer:

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

DATE : 16 January 2020, 6:00 PM

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

I. SITUATION OVERVIEW

A. Volcanic Earthquake

Source: DOST-PHIVOLCS

16 January 2020

A total of **601 volcanic earthquakes** were plotted in Taal region as of **4:00 PM**. Of which, **173** were felt, ranging from Magnitude 1.2 – 4.1 and Intensity of I – V.

B. 3-Day Forecast Wind for Taal Volcano (15 January 2020, 5:00 PM – 16 January 2020, 5:00 PM)

Source: DOST-PAGASA NCR-PRSD issued on 15 January 2020

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

HEIGHT (Above Sea Level)	3-Day Forecast Wind Profile		
	15 January 2020	16 January 2020	17 January 2020
1.5 km	20-40 kph from the Northeast to East	15-35 kph from the Northeast to East	15-35 kph from the Northeast to East
3.0 km	5-15 kph from the Southeast to South	5-20 kph from the Northeast to East	5-15 kph from the Northwest to Northeast
5.0 km	25-35 kph from the Northeast	25-45 kph from the Northeast	20-35 kph from the Northeast
7.0 km	25-35 kph from the Northeast	25-30 kph from the Northeast	15-25 kph from the East
10.0-12.0 km	10-20 kph from the West to Southwest	5-15 kph from the Northwest to North	5-15 kph from the Northwest to West

If the eruption column remains at 7 km or below, the ash plumes will be drifted to the municipalities west and southwest of Taal Volcano. However, if a major eruption occurs within the forecast period and the column exceeds 7 km, ash plumes will also be drifted over the eastern and southeastern portions of Batangas and some municipalities of Quezon, Mindoro, and Marinduque.

II. EFFECTS

A. Affected Population

- A total **15,525 families / 68,638 persons** were affected in the Batangas, Laguna, and Cavite. Of which, a total of **12,977 families / 57,286 persons** are taking temporary shelter in **257 evacuation centers**

- The LGUs of Alitagtag, Balayan, Batangas City, Bauan, Calaca, Calatagan, Lian, San Pascual, Sto. Tomas, and Tuy in Batangas; and Alfonso and Tagaytay City in Cavite hosted IDPs from affected municipalities.

Source: DSWD DROMIC Report No. 07 re Taal Volcano Phreatic Eruption as of 16 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, a total of **6 road sections** are currently on lockdown as safety precautions for the community including the previously reported opened roads.

ROAD SECTION	STATUS	REMARKS
CALABARZON		
Batangas 1st DEO		
Palico-Balayan-Batangas Road, K0127+020 – K0132 + 550 (Lemery Section), Batangas	Not Passable	As of 16 January 2020, road section is currently on lockdown due to possible Taal eruption.
Batangas 3rd DEO		
Tanauan-Talisay-Tagaytay Road, Talisay-Tagaytay Section, Talisay, Batangas	Closed due to ashfall on 15 January 2020.	Zero visibility due to ashfall. Maintenance crew and equipment operators are deployed for clearing operation 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, K0092+000- K0102+000, Batangas	Closed due to ashfall on 15 January 2020.	Zero visibility due to ashfall. Maintenance crew and equipment operators are deployed for clearing operation
Lake Taal – Tagaytay Road, Batangas	Closed due to ashfall on 15 January 2020.	Zero visibility due to ashfall. Maintenance crew and equipment operators are deployed for clearing operation
Cavite 2nd DEO		
Tagaytay – Taal Lake Road, K0057 + (-1209) – K0064 + 357, Tagaytay, Cavite	Closed as a safety precaution for the community.	On 13 January 2020, road was reported closed and was opened on 14 January 2020, 4:00 PM. To date, road section was again reported closed as a safety precaution for the community.
Tagaytay – Talisay Road, K0060 +(-158) – K0062 + 213, Tagaytay, Cavite	Closed as a safety precaution for the community.	On 13 January 2020, road was reported closed and was opened on 14 January 2020, 4:00 PM. To date, road section was again reported closed as a safety precaution for the community.

Source: DPWH Situational Report on Major Roads and Bridges due to Taal Volcano Eruption as of 16 January 2020, 12:00 PM

Air Travel

A total of **634 flights (375 domestic and 259 international)** were cancelled due to the volcanic ash from Taal Volcano. Of which, **588 flights (355 domestic and 233 international)** have resumed operations.

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

As of **16 January 2020**, a total of **20 cities/municipalities** experienced power interruption in the Provinces of Cavite, Laguna, and Batangas (CALABARZON). Of which, power supply in **10 cities / municipalities** were restored.

REGION/ PROVINCE/ MUNICIPALITY /CITY	DATE OF INTERRUPTION / OUTAGE	DATE RESTORED	REMARKS
CALABARZON			
Cavite			
<i>Amadeo</i>	12 January 2020		Partial power interruption. As of 14 January 2020, 3:00 AM, power in some Barangays were partially restored.
<i>Tagaytay City</i>	12 January 2020		Partial power interruption. As of 14 January 2020, 9:00 PM, power in some Barangays were partially restored.
<i>Alfonso</i>	13 January 2020		Partially restored on 15 January 2020 at around 9:00PM
<i>Indang</i>	13 January 2020		Partially restored on 15 January 2020 at around 11:00PM
<i>Mendez</i>	13 January 2020		Partial power interruption. As of 14 January 2020, 9:00 PM, power in some Barangays were partially restored.
Laguna			
<i>Calamba</i>	13 January 2020		Partial power interruption
<i>Cabuyao</i>	13 January 2020		Partial power interruption
<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		
<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	12 January 2020, 7:30 PM	Partial power interruption
<i>Tanauan City</i>	12 January 2020, 6:00 PM	14 January 2020, 5:00 PM	Partial power interruption
<i>Laurel</i>	12 January 2020, 1:00 PM		
<i>Talisay</i>	12 January 2020, 5:45 PM	14 January 2020, 5:00 PM	
<i>Lemery</i>	12 January 2020		
<i>Malvar</i>	13 January 2020	14 January 2020, 4:00 PM	Partial power interruption

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 **16 January 2020**, classes in **177 cities/municipalities** (previous report: 176) 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) 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 **₱74,549,300.00** worth of damages to agriculture was incurred in the provinces of Batangas and Cavite (CALABARZON).

REGION/PROVINCE	CORN	HVC (Coffee)	LIVESTOCK (Chicken/Carabao)	TOTAL COST
TOTAL	₱ 528,300.00	₱ 73,956,000.00	₱ 65,000.00	₱ 74,549,300.00
CALABARZON	₱ 528,300.00	₱ 73,956,000.00	₱ 65,000.00	₱ 74,549,300.00
Batangas	₱ 175,500.00	₱ 69,105,000.00	₱ -	₱ 69,280,500.00
Cavite	₱ 352,800.00	₱ 4,851,000.00	₱ 65,000.00	₱ 5,268,800.00

Source: Department of Agriculture Bulletin No. 02

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	001, s. 2020	13 January 2020
Cavite	1389, s. 2020	15 January 2020

Source: OCD CALABARZON

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.

- 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.

2. Philippine Coast Guard (PCG)

Conducted Coastal Security Patrol at the coastal areas of San Nicolas, Agoncillo, Talisay, and Balete in Batangas.

3. Department of Education (DepEd)

- a. Conducted emergency meeting for actions to be taken with DepEd Central Office Quick Response Recovery Team.
- b. Attended the Health Cluster meeting.
- c. Disseminated DepEd Memorandum re Emergency Measures in Response to Taal Volcano Eruption.

4. Philippine National Police (PNP)

Conducted mass formation of deployable troops to compose the Reactionary Support Standby Force for possible conduct of relief operations at the affected areas and nearby provinces in Batangas.

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

Provided assistance in the distribution of relief goods and medical assistance to affected families in San Jose, Ibaan, Rosario, Padre Garcia, Taysan, Bauan, and Malvar in Batangas.

2. RDRRMC CALABARZON

Police Regional Office (PRO) CALABARZON

- a. Established Police Assistance Desk/WCPD Desk at Evacuation Area in Indang Central Elementary School, Indang, Cavite to cater and respond to the urgent needs and other concerns of the evacuees.
- b. Distributed IEC materials to the residents in order to widely disseminate and educate the public on Safety Tips to prevent the adverse effects or health risk of ashfall.
- c. Conducted rescue operations of families at Sitio Buhangin, Brgy. As-is, Laurel, Batangas and brought them to Brgy. Dayap Itaas, Laurel, Batangas evacuation center.
- d. Provided police visibility, security, and assistance during the distribution of relief goods from DSWD CALABARZON at Alfonso Central School.

- e. Provided assistance in the distribution of relief goods to evacuees at Cuenca Central Elementary School, Cuenca, Batangas.

IV. COST OF ASSISTANCE

A total of **₱9,415,915.10** worth of assistance was provided by DSWD and DOH to the affected families.

REGION / PROVINCE / MUNICIPALITY	COST OF ASSISTANCE					
	DSWD	DOH	LGU	NGOs	OTHERS	GRAND TOTAL
GRAND TOTAL	3,993,359.10	5,422,556.00	-	-	-	9,415,915.10
without breakdown		15,645.50				15,645.50
CALABARZON	3,993,359.10	4,261,235.50	-	-	-	8,254,594.60
without breakdown		587,300.00				587,300.00
Batangas	3,811,577.62		-	-	-	3,811,577.62
<i>Balayan</i>	504,613.32					504,613.32
<i>Batangas City (capital)</i>	443,185.72		-	-	-	443,185.72
<i>Bauan</i>	341,688.84					341,688.84
<i>Cuenca</i>	150,856.00					150,856.00
<i>Laurel</i>	82,216.52		-	-	-	82,216.52
<i>Mataas Na Kahoy</i>	167,056.00		-	-	-	167,056.00
<i>San Pascual</i>	206,672.72					206,672.72
<i>Santo Tomas</i>	1,238,386.50		-	-	-	1,238,386.50
<i>City of Tanauan</i>	676,902.00		-	-	-	676,902.00
Cavite	181,781.48		-	-	-	181,781.48
<i>Alfonso</i>	181,781.48		-	-	-	181,781.48
MIMAROPA	-	27,425.00	-	-	-	27,425.00
NCR	-	530,950.00	-	-	-	530,950.00

Sources: DOH and DSWD DROMIC Report No. 06 on the Taal Volcano Phreatic Eruption as of 15 January 2020, 6:00 PM

Note: Ongoing validation and verification

NO SIGNIFICANT CHANGES FROM PREVIOUS SITREP