



**Taal Volcano Comprehensive Situational Report  
As of 14 January 2020, 1300HH**

**I. UPDATES FROM PHILVOLCS**

As an update, Alert Level 4 still remains in effect over Taal Volcano. This means that hazardous explosive eruption is possible within hours to days. DOST-PHIVOLCS strongly reiterates total evacuation of Taal Volcano Island and areas at high risk to pyroclastic density currents and volcanic tsunami within a 14-kilometer radius from Taal Main Crater. Areas in the general north of Taal Volcano are advised to guard against the effects of heavy and prolonged ashfall. Civil aviation authorities must advise aircraft to avoid the airspace around Taal Volcano as airborne ash and ballistic fragments from the eruption column pose hazards to aircraft. DOST-PHIVOLCS is continually monitoring the eruption and will update all stakeholders of further developments.

**A. As of 1:00PM 14 January 2020, 1:00PM**

Taal Volcano's eruption has been characterized by continuous magmatic and hydrovolcanic activity. Lava fountains generated 800-meter tall dark gray steam-laden plumes that drifted to the general southwest.

New fissures or cracks were observed in Sinisian, Mahabang Dahilig, Dayapan, Palanas, Sangalang, Poblacion, Lemery; Pansipit, Agoncillo; Poblacion 1, Poblacion 2, Poblacion 3, Poblacion 5, Talisay and Poblacion, San Nicolas. A fissure was also documented across the road connecting Agoncillo to Laurel, Batangas.

The Philippine Seismic Network recorded a total of forty-nine (49) volcanic earthquakes in the Taal region from 2:00 AM to 10:00 AM today. Seven (7) of these earthquakes were felt with intensities ranging from Intensity II to IV in Tagaytay City. The intense seismic activity coupled with fissuring on the caldera region likely signifies continuous magma intrusion beneath the Taal edifice, which may lead to further eruptive activity.

Alert Level 4 still remains in effect over Taal Volcano. This means that hazardous explosive eruption is possible within hours to days. DOST-PHIVOLCS strongly reiterates total evacuation of Taal Volcano Island and areas at high risk to pyroclastic density currents and volcanic tsunami within a 14-kilometer radius from Taal Main Crater. Areas around Taal Volcano are advised to guard against the effects of heavy and prolonged ashfall. Civil aviation authorities must advise the aviation industry to avoid the airspace around Taal Volcano as airborne ash and ballistic fragments from the eruption column pose hazards to aircraft. DOST-PHIVOLCS is continually monitoring the eruption and will update all stakeholders of further developments.



### **B. As of 14 January 2020, 0800am**

For the past 24 hours, Taal Volcano's activity has been characterized by continuous eruption of the Main Crater due to magmatic and hydrovolcanic activity. This ongoing eruption generated 500-meter tall lava fountains topped by dark gray steam-laden plumes reaching approximately 2 kilometers tall that dispersed ash to the southwest and west of the Main Crater. Flashes of volcanic lightning were observed at the base of the degassing plumes this morning. New vents opened up on the northern flank where short 500-meter lava fountains, and within the main crater where steam plumes, have emanated.

Since the last update, heavy ashfall from the ongoing continuous activity of Taal Volcano has reportedly fallen on the municipalities of Lemery, Talisay, Taal, and Cuenca, Batangas.

The Philippine Seismic Network has recorded a total of two hundred twelve (212) volcanic earthquakes in Taal region as of 2:00 AM, January 14, 2020. Eighty-one (81) of these earthquakes were felt with intensities ranging from Intensity I – V in Tagaytay City, Cavite. Such intense seismic activity probably signifies continuous magmatic intrusion beneath the Taal edifice, which may lead to further eruptive activity.

Sulfur dioxide (SO<sub>2</sub>) emission was measured at an average of 5299 tonnes/day on 13 January 2020.

## **II. UPDATES FROM NDRRMC**

A total of 286 volcanic earthquakes were recorded in Taal region as of 200am, 14 January 2020. One hundred twenty-five (125) of these were felt, ranging from Magnitude 1.2-4.1 and intensity I to V.

### **A. Emergency Alert and Warning Message**

<b>EAWM</b>	<b>Date and Time</b>	<b>Area</b>
Taal Volcano Alert Level 3	12 January 2020, 4:20pm	Batangas
Health Advisory Re: Ashfall	12 January 2020, 6:16pm	Batangas, Cavite and Laguna
Taal Volcano Alert Level 4	12 January 2020, 0730pm	Batangas, Cavite and Laguna
Taal Volcano Ashfall Advisory	13 January 2020, 0350am	Batangas, Bulacan, Cavite, Laguna, Rizal and NCR

### **B. Regional and Local DRRMCs Alert Status**

<b>RDRRMCs</b>	<b>Alert Status</b>	<b>Date</b>
III	BLUE	13 January 2020, 1:00am
CALABARZON	RED	12 January 2020, 4:00pm
NCR	BLUE	12 January 2020, 8:00pm



### C. Affected City Population (inside evacuation centers)

City	Families	Persons
Batangas City	878	4,446
Tanauan City	500	1000
Lipa City	196	726
Sto Tomas City	474	2,148
Tagaytay City	302	1,401

### D. Cities that declared Suspension of Classes (January 14, 2020)

Lipa City	Sto. Tomas City	Tanauan City
Bacoor City	Binan City	Cabuyao City
Calamba City	Cavite City	Dasmariñas City
General Trias City	Imus City	San Pablo City
Santa Rosa City	Tagaytay City	Trece Martirez City
Calapan City	Antipolo City	Batangas City
San Pedro City		

### E. Suspension of Work

On 13<sup>th</sup> January 2020, work in all government offices in Regions III, CALABARZON, MIMAROPA (for Occidental Mindoro, Abra de Ilog, Mamburao, Paluan, Looc and Lubang) and NCR were declared suspended.

Suspension of work is maintained in the province of Batangas.

### F. Power Interruption

Tagaytay City, Lipa City, Tanauan City experienced power interruption or outage on January 12, .2020.

### G. Hosting of Internally-Displaced Persons (IDPs)

Host	IDPs
Sto. Tomas City	Talisay, Batangas
Tagaytay City	Talisay and Lemery

### H. Declaration of State of Calamity

The Provincial Government of Batangas declared a State of Calamity.

## III. UPDATES FROM CAAP ON THE CANCELLATION OF FLIGHTS

A total of 604 outgoing and incoming flights were cancelled, including 242 international flights on January 12 and 13, 2020.



As of today, 14 January 2020 the following flights are cancelled.

<b>Flight Number</b>	<b>Route</b>
Z2316 Air Asia	Iloilo-Manila
Z2762 Air Asia	Cebu-Manila
AK584 Air Asia	Kuala Lumpur-Manila
5J378 Cebu Pacific	Cagayan de Oro-Manila
Z2626 Air Asia	Davao-Manila
Z2774 Air Asia	Cebu-Manila
Z2307 Air Asia	Iloilo-Manila
Z2323 Air Asia	Tacloban-Manila
5J386 Cebu Pacific	Cagayan de Oro-Manila
Z2622 Air Asia	Davao-Manila
Z28788 Air Asia	Cebu-Manila
Z2318 Air Asia	Cebu-Manila
Z2307 Air Asia	Iloilo-Manila
Z2323 Air Asia	Tacloban-Manila
5J564 Cebu Pacific	Cebu-Manila
Z2690 Air Asia	Cagayan de Oro-Manila
5J650 Cebu Pacific	Tacloban-Manila
5J505 Cebu Pacific	Tuguegarao-Manila
5J384 Cebu Pacific	Cagayan de Oro-Manila
PR1828 PAL	Davao-Manila
MH5958 Malaysian Airlines	Davao-Manila
PR2814 PAL	Davao-Manila
TK4632 Turkish Airlines	Davao-Manila
PR2828 PAL	Davao-Manila

<b>Flight Number</b>	<b>Route</b>
Z2757 Air Asia	Manila-Cebu
Z2625 Air Asia	Manila-Davao
Z28789 Air Asia	Manila-Cebu
Z2755 Air Asia	Manila-Cebu
5J563 Cebu Pacific	Manila-Cebu
Z2689 Air Asia	Manila-Cagayan de Oro
Z2322 Air Asia	Manila-Tacloban
Z2306 Air Asia	Manila-Iloilo
DG5715 CebGo	Manila-Cagayan de Oro
5J649 Cebu Pacific	Manila-Tacloban



All other flights that have definite departure and arrival schedules are either on-time or delayed.

#### IV. UPDATES FROM PAGASA

##### Forecast Weather Conditions

Place	Weather Condition	Caused By	Impacts
Eastern and Central Visayas	Cloudy skies with scattered rains and thunderstorms	Tail End of a Cold Front	Possible flash floods or landslides due to scattered light to moderate to at times heavy rains
Batangas, Cavite, Laguna and Quezon	Cloudy skies with isolated rains and thunderstorms	Volcanic Activity	Possible reduced visibility and mudflow during ashfall and light to moderate rains
Cagayan Valley, Cordillera Administrative Region and Aurora	Cloudy skies with light rains	Northeast Monsoon	Possible occasional strong winds especially in coastal and mountainous areas
Ilocos Region	Partly cloudy to cloudy skies with isolated light rains	Northeast Monsoon	Possible intermittent strong winds especially in coastal and mountainous areas
Metro Manila and the rest of the country	Partly cloudy to cloudy skies with isolated rainshowers	Localized Thunderstorms	Possible flash floods or landslides during severe thunderstorms

##### References:

<https://www.manila-airport.net/naia-departures?tp=0>

<https://www.manila-airport.net/naia-arrivals?tp=0>

<https://www.phivolcs.dost.gov.ph/index.php/taal-volcano-bulletin-menu/9636-taal-volcano-bulletin-14-january-2020-8-00-a-m>



[http://www.ndrrmc.gov.ph/attachments/article/4007/Update\\_SitRep\\_No\\_05\\_re\\_Taal\\_Volcano\\_Preatic\\_Eruption\\_as\\_of\\_14\\_January\\_2020\\_6AM.pdf](http://www.ndrrmc.gov.ph/attachments/article/4007/Update_SitRep_No_05_re_Taal_Volcano_Preatic_Eruption_as_of_14_January_2020_6AM.pdf)

<http://bagong.pagasa.dost.gov.ph/weather#daily-weather-forecast>

<https://www.phivolcs.dost.gov.ph/index.php/taal-volcano-bulletin-menu/9637-eruption-update-for-taal-volcano-alert-level-4-hazardous-eruption-imminent-14-january-2020-01-00-pm>