

## **DSWD DROMIC Report #6 on the Taal Volcano Sulfur Dioxide (SO<sub>2</sub>) Gas Emission**

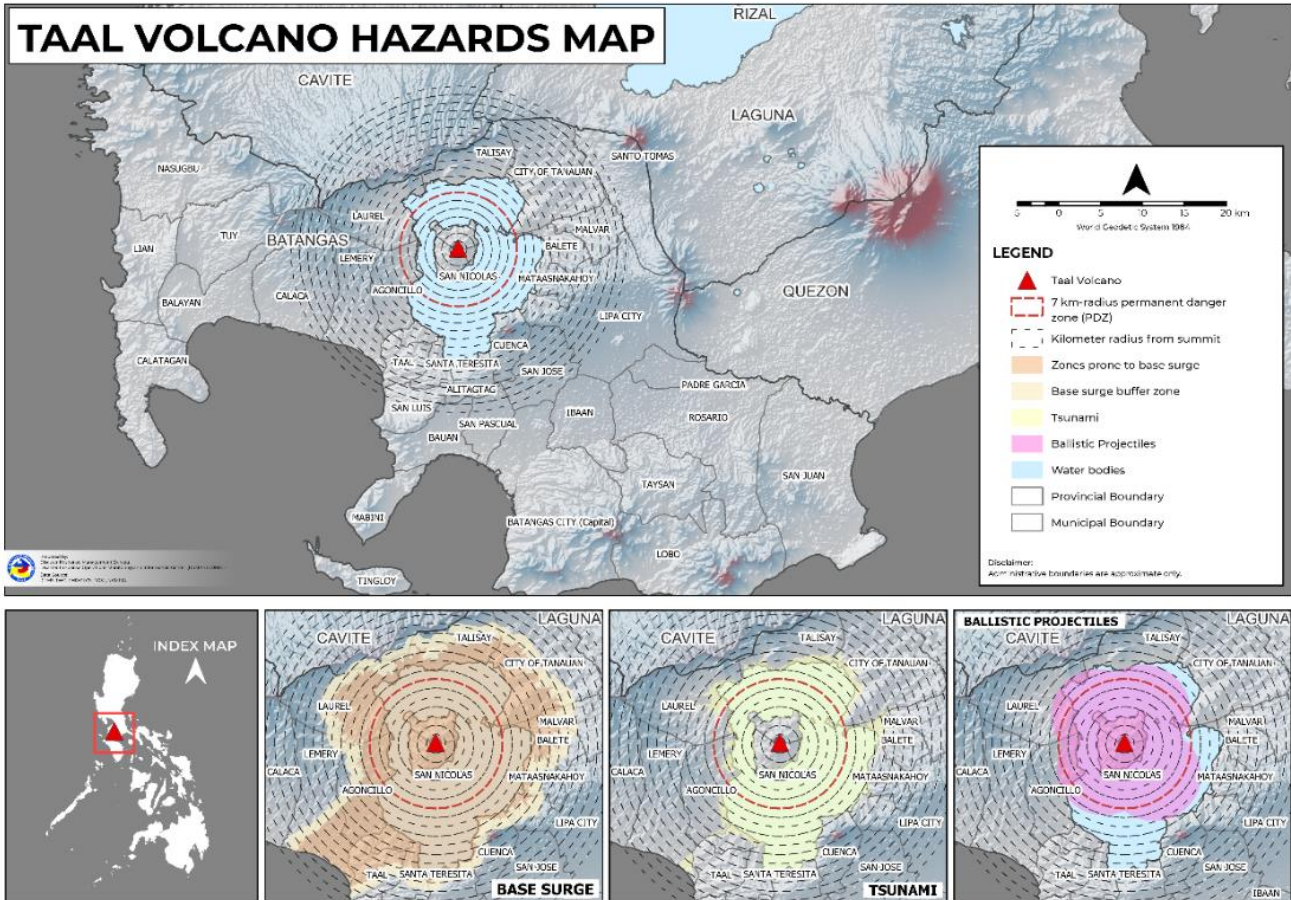
as of 23 October 2022, 6AM

### **I. Situation Overview**

- Issued on 21 October 2022 at 2:00 PM, a total of nineteen (19) very weak phreatomagmatic bursts have been detected by remote camera monitoring of the Taal Main Crater between 8:50 AM and 1:30 PM today, 21 October 2022, all emanating from a vent on its northeastern side. Some of these events produced 200-meter-tall steam-rich plumes with a few emanating from very short dark ash plumes that immediately collapsed into the Main Crater Lake (MCL). Many of the bursts were obscured by ongoing upwelling of hot volcanic gas in the MCL, while all events did not generate detectable signals in the seismic and infrasound records. Presently, Taal MCL has an acidity of pH 0.76 and temperatures reaching 65.1 °C based on measurements on 12 October 2022. SO<sub>2</sub> flux averaged 6,702 tonnes/day yesterday, 20 October 2022.
- DOST-PHIVOLCS reminds the public that Alert Level 1 prevails over Taal Volcano, which means that it is still in abnormal condition and should not be interpreted to have ceased unrest nor ceased the threat of eruptive activity. Should current phreatomagmatic activity worsen or pronounced changes in monitored parameters forewarn of increasing unrest, the Alert Level may be raised to Alert Level 2.
- At Alert Level 1, sudden steam-driven or phreatic explosions, volcanic earthquakes, minor ashfall and lethal accumulations or expulsions of volcanic gas can occur and threaten areas within TVI. DOST-PHIVOLCS strongly recommends that entry into TVI, Taal's Permanent Danger Zone or PDZ, especially the vicinities of the Main Crater and the Daang Kastila fissure, must remain strictly prohibited.
- Local government units are advised to continuously assess previously evacuated barangays around Taal Lake for damages and road accessibilities and to strengthen preparedness, contingency and communication measures in case of renewed unrest. People are also advised to observe precautions due to ground displacement across fissures, possible ashfall and minor earthquakes.
- Civil aviation authorities must advise pilots to avoid flying close to the volcano as airborne ash and ballistic fragments from sudden explosions and wind-remobilized ash may pose hazards to aircrafts.<sup>1</sup>

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<sup>1</sup> Based on the latest DOST-PHIVOLCS Advisory issued on 21 October 2022, 2PM



## II. Status of Affected Areas and Population

As of this reporting time, there are **541 persons** affected in **CALABARZON** due to the Taal Volcano Sulfur Dioxide (SO<sub>2</sub>) Gas Emission (see Table 1).

**Table 1. Number of Affected Families / Persons**

REGION / PROVINCE / MUNICIPALITY	NUMBER OF AFFECTED	
	Barangays	Persons
<b>GRAND TOTAL</b>	<b>3</b>	<b>541</b>
<b>CALABARZON</b>	<b>3</b>	<b>541</b>
<b>Batangas</b>	<b>2</b>	<b>505</b>
<i>Laurel</i>	2	505
<b>Laguna</b>	<b>1</b>	<b>36</b>
<i>Cabuyao</i>	1	36

Note: Figures above indicate the affected farmers whose crops were damaged and individuals who experienced irritation caused by the effects of the Taal Volcano Sulfur Dioxide (SO<sub>2</sub>) Gas Emission.

\*Ongoing assessment and validation are continuously being conducted.

Source: DSWD FO CALABARZON

## III. Cost of Humanitarian Assistance Provided

A total of **₱347,967.15** worth of assistance was provided by **DSWD** to the affected families (see Table 2).

**Table 2. Cost of Assistance Provided to Affected Families / Persons**

REGION / PROVINCE / MUNICIPALITY	COST OF ASSISTANCE				GRAND TOTAL
	DSWD	LGU	NGOs	OTHERS	
<b>GRAND TOTAL</b>	<b>347,967.15</b>	-	-	-	<b>347,967.15</b>
<b>CALABARZON</b>	<b>347,967.15</b>	-	-	-	<b>347,967.15</b>
<b>Batangas</b>	<b>347,967.15</b>	-	-	-	<b>347,967.15</b>
<i>Laurel</i>	<i>347,967.15</i>	-	-	-	<i>347,967.15</i>

Source: DSWD FO CALABARZON

## IV. Response Actions and Interventions

### a. Standby Funds and Prepositioned Relief Stockpile

OFFICE	STANDBY FUNDS	STOCKPILE			TOTAL STANDBY FUNDS & STOCKPILE
		FAMILY FOOD PACKS		OTHER FOOD AND NON-FOOD ITEMS (FNIs)	
		QUANTITY	TOTAL COST		
<b>TOTAL</b>	<b>845,887,290.05</b>	<b>521,060</b>	<b>320,079,704.85</b>	<b>705,526,250.59</b>	<b>1,871,493,245.49</b>
DSWD CO	762,726,429.48	-	-	-	762,726,429.48
NRLMB NROC	-	24,030	16,198,004.00	167,304,119.56	183,502,123.56
NRLMB VDRC	-	25,629	16,106,265.00	25,784,533.00	41,890,798.00
DSWD FO CALABARZON	5,000,000.00	24,823	15,451,927.65	38,198,938.92	58,650,866.57
Other FOs	78,160,860.57	446,578	272,323,508.20	474,238,659.11	824,723,027.88

Note: The Inventory Summary is as of 22 October 2022, 6PM.

Sources: DSWD-DRMB and DSWD-NRLMB

#### 1. Standby Funds

- ₱762.73 million Quick Response Fund (QRF) at the DSWD Central Office.
- ₱5 million available at DSWD FO CALABARZON.
- ₱78.16 million in other DSWD FOs which may support the relief needs through inter-FO augmentation.

#### 2. Prepositioned FFPs and Other Relief Items

- 49,659 FFPs available in Disaster Response Centers; of which, 24,030 FFPs are at the National Resource Operations Center (NROC), Pasay City and 25,629 FFPs are at the Visayas Disaster Resource Center (VDRC), Mandaue City.
- 24,823 FFPs available at DSWD FO CALABARZON.
- 446,578 FFPs in other DSWD FOs which may support the relief needs through inter-FO augmentation.
- ₱705.53 million worth of other FNIs at NROC, VDRC, and DSWD FO CALABARZON warehouses.

### b. Other Activities

#### DSWD-DRMB

DATE	SITUATIONS / ACTIONS UNDERTAKEN
23 October 2022	<ul style="list-style-type: none"> <li>• The Disaster Response Operations Monitoring and Information Center (DROMIC) of the DSWD-DRMB monitors and closely coordinates with DSWD FO CALABARZON for significant updates on preparedness measures and actions taken.</li> </ul>

**DSWD FO CALABARZON**

DATE	SITUATIONS / ACTIONS UNDERTAKEN
22 October 2022	<ul style="list-style-type: none"> <li>• DSWD FO CALABARZON's Emergency Operations Center (EOC) and the Quick Response Teams (QRTs) were placed on alert status to monitor the possible effects of the incident.</li> <li>• DSWD FO CALABARZON is closely coordinating with the Regional Disaster Risk Reduction and Management Council (RDDRMC) IV-A Operations Center, Provincial Disaster Risk Reduction and Management Council (PDRRMC) of Batangas and concerned Local Social Welfare and Development Offices (LSWDOs) for significant disaster response activities and any request of relief augmentation.</li> </ul>
13 August 2022	<ul style="list-style-type: none"> <li>• The DSWD FO CALABARZON in collaboration with the Municipal Disaster Risk Reduction and Management Council (MDRRMC) of Laurel, Batangas provided <b>447 Family Food Packs (FFPs) amounting to ₱347,967.15</b> to the affected farmers on 11 August 2022.</li> <li>• The Provincial Disaster Risk Reduction and Management Council (PDRRMC), Office of the Civil Defense IV-A and LGUs of Agoncillo, Talisay and Laurel have provided N95 masks to the affected barangays.</li> <li>• The Rural Health Unit and Department of Agriculture (DA) have ongoing onsite assessment to determine the current health risk and possible medicines needed by the community.</li> <li>• DSWD FO CALABARZON monitored <b>166 individuals</b> who experienced irritation of the eyes, nose, and throat, cough and colds, asthma and fever in Buso-Buso, Laurel due to the SO<sub>2</sub> gas emission from the Taal Volcano.</li> <li>• The Department of Agriculture (DA) IV-A have reported damages to rice, corn, and high-value crops in the Province of Cavite and Batangas wherein <b>339 farmers</b> in Laurel, Batangas were affected. Further, <b>36 famers</b> in Cabuyao, Laguna been reportedly affected by the acid rain.</li> <li>• DSWD FO CALABARZON convened the members of the IV-A Incident Management Team (IMT) to review the strategies and objectives of the field office in case the situation escalates.</li> <li>• DSWD FO CALABARZON EOC coordinated with the DA to request for the result of their assessment in the affected areas once completed.</li> <li>• The members of the Provincial Quick Response Teams (PQRTs) of Batangas and Laguna through their Municipal Action Teams (MATs) were advised to monitor the situation and are currently working with key stakeholders of the LGUs to observe ongoing preparedness for response activities at the affected areas.</li> <li>• The EOC is closely coordinating with the RDDRMC IV-A Operations Center and the PDRRMC of Batangas to further coordinate preparedness for response activities.</li> <li>• DSWD-FO CALABARZON is continuously coordinating with the LGUs for updates and for further augmentation assistance needed by the affected individuals.</li> </ul>

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*The Disaster Response Operations Monitoring and Information Center (DROMIC) of DSWD-DRMB is closely coordinating with DSWD FO CALABARZON for significant preparedness for response updates and technical assistance needed.*

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