

Taal Volcano's (14.0000°N, 120.9833°E) seismic network detected one (1) volcanic earthquake during the past 24 hours. Field measurements on 20 December, 2011 at the western sector of the Main Crater Lake yielded slightly decreased water temperature of 32.2°C from 32.6°C, decreased water level of 1.10 meters from 1.12 meters and slightly less acidic pH of 2.83 from 2.77. Ground deformation survey (precise leveling) on the Volcano Island last 21-27 October 2011 indicated no significant change compared with July 2011, but is nonetheless still inflated compared with baseline data. GPS data for the period of February to first week of November 2011 show slight deflation in Taal Volcano Island beginning August, but nonetheless also indicate that the edifice is still slightly inflated compared to February baseline data. Carbon dioxide (CO<sub>2</sub>) emission at the Main Crater Lake decreased to 482 tonnes per day on 18 October 2011 compared from the previous readings of 1,821 tonnes per day last 27 June 2011.

**Alert Level 1** remains in effect over Taal Volcano. This means that hazardous eruption is not imminent. The public, however, is reminded that the Main Crater should be strictly off-limits because sudden steam explosions may occur and high concentrations of toxic gases may accumulate. The northern portion of the Main Crater rim, in the vicinity of Daang Kastila Trail, may also become hazardous when steam emission along existing fissures suddenly increases. Furthermore, the public is also reminded that the entire Volcano Island is a Permanent Danger Zone (PDZ), and permanent settlement in the island is strongly not recommended.

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