

## Immediate notification report

Report reference: REF OIE 25278, Report Date: 23/11/2017, Country : Philippines

### Report Summary

<b>Name of sender of the report</b>	Dr Enrico Garzon	<b>Telephone</b>	+63 2926 6860
<b>Position</b>	Assistant Secretary for Livestock	<b>Fax</b>	+632 925 6949
<b>Address</b>	Elliptical Road, Diliman, Quezon City, Philippines Quezon City	<b>Email</b>	epigarzon11@gmail.com
		<b>Date submitted to OIE</b>	23/11/2017

<b>Animal type</b>	Aquatic	<b>Date of report</b>	23/11/2017
<b>Causal Agent</b>	Tilapia lake virus (TiLV)	<b>Date of start of the event</b>	16/05/2017
<b>Reason</b>	Emerging disease	<b>Date of confirmation of the event</b>	29/06/2017
<b>Number of reported outbreaks</b>	submitted= 1, Draft= 0	<b>Disease Name</b>	*Tilapia Lake Virus (TiLV) * (New Unknown Disease)

### Disease Impact

<b>Units for morbidity and mortality</b>	<b>Morbidity</b>	<b>Mortality</b>	<b>Zoonotic potential</b>
quant	33.78%	33.78%	

### Outbreak details

Province	Number of outbreaks	Municipality	Barangay	Unit Type	Location	Latitude	Longitude	Start Date	End Date:	Water Type	population	Production system
BULACAN- (this report - submitted)	-	Pulilan	Dampol 2nd	Pond	Bulacan	14.906698	120.813158	16/05/2017	15/09/2017	Fresh Water	Farmed	Semi-closed (e.g. ponds or raceways)
Species	Units for morbidity and	Morbidity	Mortality	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Fish: Tilapia(Oreochromis niloticus)	quant	33.78%	33.78%	Animals	300000	101363	101363	0	0			
Affected Population												

### Outbreak summary: Total outbreaks = 1 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Fish	300000	101363	101363	0	0

### Epidemiology

#### Epidemiological comments

An unexplained daily mortality of tilapia fingerlings was observed in the nursery pond of a private farm after stocking on May 16, 2017. Elevated mortality after 15 days reached approximately 25%. Affected fish showed distended abdomen and bulging of the eyes. On May 31, 2017 samples were collected and submitted at the Fisheries Biotechnology Center (FBC) Muñoz, Nueva Ecija. Semi-nested RT-PCR exhibited positive results using reported Tilapia Lake Virus (TiLV) primers. Other samples submitted to National Fisheries Laboratory- Fish Health of the Bureau of Fisheries and Aquatic Resources also showed positive results by insulated isothermal PCR (iiPCR). The amplified segment 3 of the viral gene has 94-95% nucleotide similarity to Israel TiLV strain. The movement of fingerlings from the affected pond is restricted and monitored. Results of the last two samplings showed negative for TiLV using iiPCR.

#### Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

#### Measures applied

Applied	To be applied
<ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• surveillance outside infected and/or protection zone</li> <li>• surveillance within infected and/or protection zone</li> <li>• screening</li> <li>• traceability</li> <li>• quarantine</li> <li>• disinfection</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
<b>Animals treated</b>	<b>Vaccination Prohibited</b>

<b>Animals treated</b>	<b>Vaccination Prohibited</b>
No	No

### Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
Local laboratory	Fisheries Biotechnology Center	Tilapia(Oreochromis niloticus)	reverse transcription - polymerase chain reaction (RT-PCR)	24/06/2017	Positive
National laboratory	National Fisheries Laboratory	Tilapia(Oreochromis niloticus)	polymerase chain reaction (PCR)	29/06/2017	Positive

### Future Reporting

**The report and all its outbreaks have been resolved.**

## Outbreak maps

