



## Inspection Report

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Sea Research Foundation Inc  
55 Coogan Blvd.  
Mystic, CT 06355

Customer ID: **56**  
Certificate: **16-C-0025**  
Site: 001  
MYSTIC MARINE LIFE  
AQUARIUM

Type: ROUTINE INSPECTION  
Date: 10-JAN-2022

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### 3.106(a) Repeat

#### Water quality.

Water quality records for the AASC pools 1 and 2 housing whales Jetta (Pool 1) and Havana (Pool 2) were reviewed. Both of these whales are under veterinary care. There were multiple instances of consecutive days in December 2021 when the coliform bacteria count of water samples of the pools far exceeded 1,000 MPN. In Pool 1 from 11/30/21 to 12/25/21 (26 days) there were only 6 days where the coliforms were measured under 1000 MPN (3 of those values were in the 900's) and 5 days of coliform values over 10,000 MPN. In Pool 2 from 11/30/21 until 12/30/21 (31 days) there were 16 days of high coliform counts with values on 4 of those days over 19,000 MPN and only 4 days where the coliform levels were under 1000 MPN

During this same time period, there are entries in Havana's medical record documenting instances of keratitis, blepharospasm, inappetence, GI discomfort, and rubbing the skin of her fluke and rostrum on the sides of the pool. The entry in her medical record for 12/8/21 after consultation with an ophthalmologist, states that "coliform changes may have contributed to keratopathy, so plan to work with the LSS/WQ team (life support system/water quality) to mitigate even small fluctuations".

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Prepared By: PAULA GLADUE  
USDA, APHIS, Animal Care  
Title: VETERINARY MEDICAL  
OFFICER

Date:  
24-MAR-2022

Received by Title: Facility Representative

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Per this Section of the Regulations the primary enclosure shall not contain water which would be detrimental to the health of the marine mammal contained therein. Elevated levels of coliforms and other indicators of water quality, such as oxidants in the water, are harmful to marine mammals and may cause irritation to eyes, skin, and the respiratory system.

### 3.106(b)(1)

#### Water quality.

\*\*Water quality records for the two AASC pools were reviewed. There were two instances in December 2021 when the coliform bacteria count of water samples for both pools exceeded 1,000 MPN and the next water sample recorded was more than 48 hrs later. The coliform count exceeded 1,000 MPN on 12/16/21 and the next recorded coliform count was 96 hrs later on 12/20/21, and the coliform count exceeded 1,000 MPN on 12/21/21 and the next recorded coliform count was 72 hrs later on 12/24/21.

\*\*Coliform tests for AASC Pool 1 conducted on 10/2/21 and 12/5/21, and the coliform test for AASC Pool 2 conducted on 12/4/21 had values of ">24,196" MPN. These results do not reflect the actual coliform bacteria counts because there is a ">" (greater than) sign in front of the number which indicates that the result exceeded the limit of the testing method used. No other testing was done on these dates to determine the actual coliform count.

Per this Section of the Regulations, the coliform bacteria count of the primary enclosure pool shall not exceed 1,000 MPN (most probable number) per 100 ml. of water. Should a coliform bacterial count exceed 1,000 MPN, two subsequent samples may be taken at 48-hour intervals and averaged with the first sample. If such average count does not fall below 1,000 MPN, then the water in the pool shall be deemed unsatisfactory, and the condition must be corrected immediately. Correct from this date 1/14/22 forward.

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This inspection was conducted with facility representatives on 1/10/22. The exit briefing was held 1/14/22 with facility representatives.

\*END OF REPORT\*

Additional Inspectors:

Tonya Hadjis, Supervisory Animal Care Specialist

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### Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
56	16-C-0025	001	MYSTIC MARINE LIFE AQUARIUM	10-JAN-2022

Count	Scientific Name	Common Name
000007	<i>Delphinapterus leucas</i>	BELUGA WHALE
000004	<i>Callorhinus ursinus</i>	NORTHERN FUR SEAL
000004	<i>Eumetopias jubatus</i>	STELLER / STELLER'S /
		NORTHERN SEA LION
000006	<i>Zalophus californianus</i>	CALIFORNIA SEA LION
000002	<i>Phoca largha</i>	LARGHA SEAL
000008	<i>Phoca vitulina</i>	HARBOR SEAL
000031	<b>Total</b>	