Attachment 5

Laboratory reports for NPDES monitoring

Laboratory Quality Control Reports

LTS ENVIRONMENTAL, INC.

Beta Offshore
111 W. Ocean Blvd., Suite 1240
Long Beach, Ca 90802

August 7, 2017

Attn: Diana Lang

Quarterly NPDES chlorine residuals on the non-contact cooling water outlet were as follows:

Sample Date / Time	**Location**	**Total Chlorine Residual** *(EPA Method 330.5)*
	Platform Elly / Ellen	End of Pipe
July 21, 2017 @ 0645 hrs	Non-Contact Cooling Water Outlet West Seawater Pump	0.4 mg/l
LTS Meter S/N: 12040E195572		Method Blank < 0.05 mg/l (MDL)

Technician: Cole Jenkins

S.G. Lawry
Environmental Specialist / LTS

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LTS ENVIRONMENTAL, INC.

October 24, 2016

Quality Control

As part of the annual in-house quality control chlorine meter check and to ensure proper operation of the meters, LTS Environmental performed a total residual chlorine test with a known value obtained from Sigma-Aldrich Corporation. Results of this test are as follows:

Test Date	**Total Residual Chlorine**
October 20, 2016	*(EPA Method 330.5)*
LTS meter (SN 041200088375)	**0.96 mg/l**
LTS meter (SN 12040E195572)	**0.99 mg/l**

Sigma-Aldrich Corporation test sample (Lot #LRAB2313.QC1065-2ml.)

Acceptance Limits	**0.917 – 1.14 mg/l**
Certified Value	1.03 mg/l ± 0.0157

LTS Lead Technician: Mike Apple

Method Blank < 0.05 mg/l

S.G. Lawry
Environmental Specialist
President, LTS

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LTS ENVIRONMENTAL, INC.

October 17, 2017

Quality Control

As part of the annual in-house quality control chlorine meter check and to ensure proper operation of the meters, LTS Environmental Inc. performed a total residual chlorine test with a known value obtained from Sigma-Aldrich Corporation. Results of this test are as follows:

Test Date October 9, 2017	**Total Residual Chlorine** *(EPA Method 330.5)*
LTS meter (SN 12040E195572)	**1.47 mg/l**
Acceptance Limits	0.902 – 2.38 mg/l
Certified Value	1.64 mg/l ± 0.0574
Sigma-Aldrich Corporation test sample (QC1065-2ml.Lot #LRAB5132)	
LTS Lead Technician: Mike Apple	Method Blank < 0.05 mg/l

S.G. Lawry
Environmental Specialist
President, LTS Environmental, Inc.

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