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

May 2, 2018

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 Ellen	End of Pipe
April 30, 2018 @ 0945 hrs	Non-Contact Cooling Water Outlet East Seawater Pump	0.2 mg/l
LTS Meter S/N: 12040E195572		Method Blank < 0.05 mg/l (MDL)

Technician: Michael Apple

S.G. Lawry
Environmental Specialist / LTS

704 Adirondack Ave. • Ventura, Ca 93003 • (805) 644-4560 • Fax (805) 644-4560

LTS ENVIRONMENTAL, INC.

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

June 7, 2018

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 Ellen	End of Pipe
May 31, 2018 @ 1120 hrs	Non-Contact Cooling Water Outlet East Seawater Pump	0.27 mg/l
LTS Meter S/N: 041200088375		Method Blank < 0.05 mg/l (MDL)

Technician: Konrad Pala

S.G. Lawry
Environmental Specialist / 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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