



**CCR. 2.0 - LOADING & DISCHARGING PLAN**

Date : 10/08/2018  
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 Made by : QHSE  
 Approved by : MD  
 Rev. No : 0

**GENERAL INFORMATION**

VESSEL	BITU ATLANTIC	DATE (dd/mm/yy)	11 DEC 2018
PORT / TERMINAL	OFFSHORE LOME ( <i>STS with Biskra</i> )	ARRIVAL DRAFT	11.5 M EK
QTY TO LOAD/ DISCHARGE	7200 MT IN VAC. WITH VEF	ARRIVAL DISPLACEMENT	51550MT
CARGO DENSITY	1.0387 ( VAC.)	ARRIVAL DEADWEIGHT	41860 MT
GRADE (S)	BITUMEN PEN 60/70	DEPARTURE DRAFT	9.0 m (F) , 12.0 m (A)
VOYAGE No.	<i>ATL 001 L03</i>	DEPARTURE DISPLACEMENT	46700MT
MAX. DEPTH AT BERTH		DEPARTURE DEADWEIGHT	37000 MT

Cargo Tanks	Arrival Condition:			Departure Condition:		
	Hours			Hours		
	Ullage	Qty	%	Ullage	Qty	%
1P/1S	2.94/2.94	2259/2260	86	16.1/16.1	200/200	7
2P/2S	2.49/2.41	3031/3039	89	2.49/2.41	3031/3039	89
3P/3S	2.91/2.86	3056/3067	82	2.91/2.86	3056/3067	82
4P/4S	10.38/10.40	1380/1376	38	17.50/17.50	0/0	0
5P/5S	2.42/2.35	3149/31362	86	2.42/2.35	3149/31362	86
6P/6S	2.76/2.75	3085/3080	85	2.76/2.75	3085/3080	85
7P/7S	2.22/2.28	2953/2945	88	2.22/2.28	2953/2945	88
SLP/ SLS	17.74/17.75		0	17.74/17.75		0
ROT	10.09	0	0	10.09	0	0
Max. Ben. Mom.	78%			70%		
Max. Sh. Force	58%			50%		
Draft Fwd	11.5			9.0		

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Draft Aft	11.5			12.0		
Trim	Nil			3.0m		
GM	2.18 m			2.73 m		

Grade 1:Bitumen Pen 60/70	Grade 2:	Grade 3:
Quantity m/t: 7200 MT IN V VEF	Quantity m/t:	Quantity m/t:
Quantity cbm:	Quantity cbm:	Quantity cbm:
Density 15 Cl.0387(Vac)	Density 15 C	Density 15 C
Loading Temperature:	Loading Temperature:	Loading Temperature:

#### TANKS TO BE LOADED/ DISCHARGED

TANKS TO BE LOADED/ DISCHARGED	1P,1S,4P,4S
TANKS NOT TO BE LOADED/ DISCHARGED	2P, 2S, 3P, 3S,5P,5S , 6P,6S, 7P,7S,SLP, SLS, RESIDUE TANK
MAX. AGREED LOADING/ DISCHARGING RATE	cub m per hr / line
MAX. No OF SLACK TANKS DURING THE OPERATION*	

\*(The maximum number of slack tanks during any stage of the operation are not to exceed the allowed number as per the ship's approved Loading Manual).

Initial Discharging rate (cbm/hr) \_\_\_\_\_ 150cubm per line \_\_\_\_\_ for \_\_\_\_\_ 60 \_\_\_\_\_ minutes

Normal /max Discharging rate cbm/hr \_\_\_\_\_ 1000cubm per line \_\_\_\_\_ Max backpressure kg/sq. Cm:

Please also note information in: - loading instructions to chief officer, - loading port information

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7 PORT	6 PORT	5 PORT	4 PORT	3 PORT	2 PORT	1 PORT
Ullage:2.22	Ullage:2.76	Ullage:2.42	Ullage:17.50	Ullage:2.91	Ullage:2.49	Ullage:16.1
Cbm:2953	Cbm:3085	Cbm:3149	Cbm:0	Cbm:3056	Cbm:3031	Cbm:200
M/t:3065	M/t:3202	M/t:3269	M/t:0	M/t:3172	M/t:3146	M/t:208

7 SB / CEN	6 SB / CEN	5 SB / CEN	4 SB / CEN	3 SB / CEN	2 SB / CEN	1 SB / CEN
Ullage:2.28	Ullage:2.75	Ullage:2.35	Ullage:17.50	Ullage:2.86	Ullage:2.41	Ullage:16.1
Cbm:2945	Cbm:3080	Cbm:3162	Cbm:0	Cbm:3067	Cbm:3039	Cbm:200
M/t:3057	M/t:3197	M/t:3282	M/t:0	M/t:3183	M/t:3154	M/t:208

**Other Remarks:**

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STAGE

SEQUENCE PLAN

TANKS (Cargo and Ballast)	Stage No:1			Stage No:2			Stage No:3			Stage No:4			Stage No:5		
	Ullage	Qty	%	Ullage	Qty	%	Ullage	Qty	%	Ullage	Qty	%	Ullage	Qty	%
1P/1S COT	2.94/2.94	2259/2260	84	7.7/7.7	1440/1440	52	10.35/10.35	1000/1000	36	13.37/13.37	500/500	18	16.17/16.17	190/190	7
4P/4S COT	10.38/10.40	1380/1376	38	10.38/10.40	1380/1376	38	12.26/12.26	1000/1000	27	14.45/14.45	500/500	13	17.49/17.49	0/0	0
EPK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1P/1S WBT	0	0	0	6/6	500/500	42	11.25/11.25	750/750	62	15.10/15.10	940/940	78	18.90/18.90	1190/1190	98
2P/2S WBT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3P/3S WBT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4P/4S WBT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5P/5S WBT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6P/6S WBT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7P/7S WBT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8P/8S WBT	1 / 4	90/317	40/46	1 / 4	90/317	40/46	1 / 4	90/317	40/46	1 / 4	90/317	40/46	1 / 4	90/317	40/46
Max Ben. Mom				83			80			79			70		
Max St. Force				53			52			52			50		

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Draft Fwd	11.5	10.7	10.12	9.3	8.9
Draft Aft	11.5	11.8	11.85	12	11.9
Trim	Nil	1.1	1.73	2.7	3.0
<b>GM</b>	2.42 m	2.76	2.81	2.77	2.73

Remarks :