

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
P.O. BOX 4267
00936 SAN JUAN
Puerto Rico
Mr. M. Rios
MAY-TANKINVENTORY-5-31 - MAYAGÜEZ - ALL TANKS - 5/31/2023



Job No 13101/00017077.0000/01/1/23
Report date 05 Jun 2023
Installation Mayagüez, Puerto Rico, Central Mayaguez Terminal

Shore tank MAY-TANKINVENTORY-5-31 - MAYAGÜEZ - ALL TANKS - 5/31/2023
Product NO2

Survey date: 31-May-2023

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Saybolt LP - Puerto Rico Branch has performed a survey of the above mentioned object, the findings of the survey are reflected in the following reports:

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Shore Tank Inventory Subtotals	one
Certificate of Quantity	one

This report consists of 8 pages.

A copy of this report and all field documents and related correspondence will be retained for a period of 10 years, unless local law requires otherwise

Handled by: Rafael Rodriguez

This report reflects only the findings at the time and place of the inspection and testing. This report is not a guarantee or policy of insurance with respect to the goods or the contractual performance of any party. Any person relying upon this report should be aware that issuer's activities are carried out under their general terms and conditions.

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Shore Tank Measurement Details

Shore tank D-1

Measurement data (Innage)		Open	Close
Average	FT (decimal)	23-8 3/8	
Temperature			
Average temp.	°F	92.5	
Measurement Equipment Data			
Water measurement used		Open	
Water paste used		Paste	
Gauging equipment type		K/K	
Gauging Equipment used		Saybolt Equipment	
Gauging equipment number		Manual Tape	
Temperature equipment type		CS 21965	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP 9-05649	
Inspector name		Yes	
		Daviel Borrero	

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Shore Tank Measurement Details

Shore tank D-2

Measurement data (Innage)		Open	Close
Average	FT (decimal)	23-11 1/4	
Temperature			
Average temp.	°F	92.6	
Measurement Equipment Data			
Water measurement used		Open Paste	
Water paste used		K/K	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS 21965	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP 9-05649	
Inspector Equipment used for verification?		Yes	
Inspector name		Daviel Borrero	

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Shore Tank Measurement Details

Shore tank D-3

Measurement data (Innage)		Open	Close
Average	FT (decimal)	29-10 1/2	
Temperature			
Average temp.	°F	92.2	
Measurement Equipment Data			
Water measurement used		Open	
Water paste used		Paste	
Gauging equipment type		K/K	
Gauging Equipment used		Saybolt Equipment	
Gauging equipment number		Manual Tape	
Temperature equipment type		CS 21965	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP 9-05649	
Inspector name		Yes	
		Daviel Borrero	

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Shore Tank Measurement Details

Shore tank D-4

Measurement data (Innage)		Open	Close
Average	FT (decimal)	18-6 7/8	
Temperature			
Average temp.	°F	86.5	
Measurement Equipment Data			
Water measurement used		Open	
Water paste used		Paste	
Gauging equipment type		K/K	
Gauging Equipment used		Saybolt Equipment	
Gauging equipment number		Manual Tape	
Temperature equipment type		CS 21965	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP 9-05649	
Inspector name		Yes	
		Daviel Borrero	

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Shore Tank Inventory Report

Survey date: 31-May-2023

Shore tank measurement		Totals	D-1	D-2	D-3	D-4
Open measurement						
Date/time of measurement		31 May 2023 21:30	01 Jun 2023 00:30	01 Jun 2023 00:00	31 May 2023 22:05	
Average Innage	FT (decimal)	23-8 3/8	23-11 1/4	29-10 1/2	18-6 7/8	
Average temp.	°F	92.5	92.6	92.2	86.5	
T.O.V.	Barrels	40,980.93	4,103.57	5,711.81	8,041.14	
Water	FT (decimal)	00-04-0/0	00-02-0/0			
Water	Barrels	482.21	14.29			
Ambient temp.	°F	80.00	79.00	79.00	80.00	
Tank shell temp.	°F	91.00	91.00	91.00	86.00	
CTsh		1.00038	1.00038	1.00038	1.00032	
G.O.V.	Barrels	40,514.11	4,090.83	5,713.98	8,043.71	
API 60°F		35.10	36.80	36.80	37.80	
V.C.F.	6B	0.98490	0.98465	0.98483	0.98740	
G.S.V.	barrels 60°F	39,902.35	4,028.04	5,627.30	7,942.36	
W.C.F.	MPMS 11.5.1.4.12	0.1326030195	0.1312616993	0.1312616993	0.1304852706	
W.C.F.	MPMS 11.5.1.4.15	0.1347308880	0.1333680438	0.1333680438	0.1325791558	
Long Tons		5,291.172	528.727	738.649	1,036.361	
Metric Tons Air		5,376.079	537.212	750.502	1,052.991	
Subtotals						
G.S.V.	barrels 60°F	57,500.05	39,902.35	4,028.04	5,627.30	7,942.36
Long Tons		7,594.909	5,291.172	528.727	738.649	1,036.361

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via S&W% (API MPMS 12.1)

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Shore Tank Inventory Subtotals

Shore tank Subtotals	Totals	D-1	D-2	D-3	D-4
Gross Standard Volume					
Cu m 60°F	9,141.777	6,343.967	640.407	894.669	1,262.734
Barrels 60°F	57,500.05	39,902.35	4,028.04	5,627.30	7,942.36
US Gallons 60°F	2,415,002.10	1,675,898.70	169,177.68	236,346.60	333,579.12
Metric Tons Vac	7,726.586	5,382.878	537.899	751.462	1,054.347
Metric Tons Air	7,716.784	5,376.079	537.212	750.502	1,052.991
Long Tons Air	7,594.909	5,291.172	528.727	738.649	1,036.361
Short Tons Air	8,506.298	5,926.113	592.174	827.287	1,160.724
Pounds Air	17,012,596.00	11,852,226.00	1,184,348.00	1,654,574.00	2,321,448.00
Density 15°C		0.8489	0.8403	0.8403	0.8354
API 60°F		35.10	36.80	36.80	37.80
RD 60/60°		0.8493	0.8408	0.8408	0.8358
Total Calculated Volume					
Barrels 60°F	57,996.55	40,384.56	4,042.33	5,627.30	7,942.36
US Gallons 60°F	2,435,855.10	1,696,151.52	169,777.86	236,346.60	333,579.12

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Certificate of Quantity

The undersigned Independent Saybolt Surveyor herewith declares that the quantity of product measured amounts to:

	Gross	Net
Cubic meters 60°F	9,141.777	9,141.777
Barrels 60°F	57,500.05	57,500.05
US Gallons 60°F	2,415,002.10	2,415,002.10
Metric Tons vac	7,726.586	7,726.586
Metric Tons air	7,716.784	7,716.784
Long Tons	7,594.909	7,594.909
Short Tons	8,506.298	8,506.298
Pounds	17,012,596.00	17,012,596.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	35.75
B/L Density 15°C	0.8456
B/L Density 20°C	0.8421
B/L RD 60/60°F	0.8460

Criteria used

US Barrels 60°F to Cu m 60°F	MPMS 11.5 - Annex D	0.158987304
US Barrels 60°F to US Gallons 60°F	MPMS 11.5 - Annex D	42
Metric Tons Air to Metric Tons Vac	MPMS 11.5.3 - 4.5	1.001270095
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1342065291
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1320869421
Long Tons to Short Tons	MPMS 11.5 - Annex D	1.12

Remark

Net via S&W Volume %

Signed by: Saybolt representative
 Name:
 Rank: Saybolt Inspector