

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY  
P.O. BOX 4267  
00936 SAN JUAN  
Puerto Rico  
Mr. M. Rios  
MAY-TANKINVENTORY-8-22



Job No 13101/00016757.0000/01/I/22  
Report date 01 Sep 2022  
Installation Mayagüez, Puerto Rico, Central Mayaguez Terminal

**Shore tank MAY-TANKINVENTORY-8-22**

**Product Fuel Oil # 2**

Survey date: 31-Aug-2022

**Contents page**

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:

Title	Number of Pages
Contents page	one
Certificate of Quantity	one
Shore Tank Measurement Details	four
Shore Tank Inventory Report	one
Shore Tank Inventory Subtotals	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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Survey date: 31 Aug 2022

**Certificate of Quantity**

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

	Gross	Net
Cubic meters 60°F	10,598.064	10,598.064
Barrels 60°F	66,659.81	66,659.81
US Gallons 60°F	2,799,712.02	2,799,712.02
Metric Tons vac	8,957.604	8,957.604
Metric Tons air	8,946.241	8,946.241
Long Tons	8,804.948	8,804.948
Short Tons	9,861.542	9,861.542
Pounds	19,723,084.00	19,723,084.00

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
Metric Tons Air to Long Tons	MPMS 11.5 - Annex D	0.9842065
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

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**Shore tank MAY-TANKINVENTORY-8-22**

**Product Fuel Oil # 2**

**Shore Tank Measurement Details**

Survey date: 31-Aug-2022

**Shore tank D-1**

Measurement data (Innage)		Open	Close
Average	FT/IN	19-7 3/4	
Temperature			
Average temp.	°F	87.5	
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 51140	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP 9-03415	
Inspector name		Yes	
		Daviel Borrero	

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**Product Fuel Oil # 2**

**Shore Tank Measurement Details**

Survey date: 31-Aug-2022

**Shore tank D-2**

Measurement data (Innage)		Open	Close
Average	FT/IN	27-0	
Temperature			
Average temp.	°F	87.0	
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 51140	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP 9-03415	
Inspector name		Yes	
		Daviel Borrero	

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**Product Fuel Oil # 2**

**Shore Tank Measurement Details**

Survey date: 31-Aug-2022

**Shore tank D-3**

Measurement data (Innage)		Open	Close
Average	FT/IN	34-9	
Temperature			
Average temp.	°F	87.3	
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 51140	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP 9-03415	
Inspector name		Yes	
		Daviel Borrero	

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**Shore tank MAY-TANKINVENTORY-8-22**

**Product Fuel Oil # 2**

**Shore Tank Measurement Details**

Survey date: 31-Aug-2022

**Shore tank D-4**

Measurement data (Innage)		Open	Close
Average	FT/IN	15-11	
Temperature			
Average temp.	°F	82.4	
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 51140	
Temperature Equipment used		Saybolt Equipment	
Temperature equipment number		Portable Electronic Thermometer	
Inspector Equipment used for verification?		TP 9-03415	
Inspector name		Yes	
		Daviel Borrero	

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**Shore tank MAY-TANKINVENTORY-8-22**  
**Product Fuel Oil # 2**

**Shore Tank Inventory Report**

Survey date: 31-Aug-2022

Shore tank measurement		Totals	D-1	D-2	D-3	D-4
<b>Open measurement</b>						
Date/time of measurement		31 Aug 2022	21:06	31 Aug 2022	22:00	31 Aug 2022 21:30
Average Innage	FT/IN	19-7	3/4	27-0	34-9	15-11
Average temp.	°F	87.5		87.0	87.3	82.4
T.O.V.	Barrels	47,843.74		4,628.57	6,643.87	8,862.00
Water	FT/IN	0-4		0-1		
Water	Barrels	482.21		14.29	0.00	0.00
Ambient temp.	°F	81.00		81.00	81.00	81.00
Tank shell temp.	°F	87.00		86.00	87.00	82.00
CTsh		1.00033		1.00032	1.00033	1.00027
G.O.V.	Barrels	47,377.16		4,615.76	6,646.06	8,864.39
API 60°F		35.60		36.10	36.10	36.10
V.C.F.	6B	0.98718		0.98736	0.98722	0.98952
G.S.V.	barrels 60°F	46,769.78		4,557.42	6,561.12	8,771.49
Table 13	MPMS 11.5.1.4.15	0.1343271730		0.1339258667	0.1339258667	0.1339258667
Metric Tons Air		6,282.452		610.356	878.704	1,174.729
<b>Subtotals</b>						
G.S.V.	barrels 60°F	66,659.81	46,769.78	4,557.42	6,561.12	8,771.49
Metric Tons Air		8,946.241	6,282.452	610.356	878.704	1,174.729

**Remarks**

Tables used: 6B and W.C.F. MPMS 11.5.1.4.15.

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
<b>Gross Standard Volume</b>					
Cu m 60°F	10,598.064	7,435.801	724.572	1,043.135	1,394.556
Barrels 60°F	66,659.81	46,769.78	4,557.42	6,561.12	8,771.49
US gallons 60°F	2,799,712.02	1,964,330.76	191,411.64	275,567.04	368,402.58
Metric Tons Vac	8,957.604	6,290.423	611.133	879.823	1,176.225
Metric Tons Air	8,946.241	6,282.452	610.356	878.704	1,174.729
Long Tons Air	8,804.948	6,183.230	600.716	864.826	1,156.176
Short Tons Air	9,861.542	6,925.218	672.802	968.605	1,294.917
Pounds Air	19,723,084.00	13,850,436.00	1,345,604.00	1,937,210.00	2,589,834.00
Density 15°C		0.8464	0.8438	0.8438	0.8438
API 60°F		35.60	36.10	36.10	36.10
RD 60/60°		0.8468	0.8443	0.8443	0.8443
<b>Total Calculated Volume</b>					
Barrels 60°F	67,156.31	47,251.99	4,571.71	6,561.12	8,771.49
US gallons 60°F	2,820,565.02	1,984,583.58	192,011.82	275,567.04	368,402.58