

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
American International Plaza
250 Muñoz Rivera Ave, Suite 1200
00918 SAN JUAN
Puerto Rico
Mr. M. Rios



JB-TANK INVENTORY-11-23 - JOBOS - ALL TANKS - 11/30/2023

Job No 13101/00017297.0000/01/I/23
Report date 01 Dec 2023
Installation Toa Baja, Puerto Rico, Central Palo Seco Terminal

Shore tank JB-TANK INVENTORY-11-23 - JOBOS - ALL TANKS - 11/30/2023

Product Fuel Oil No 2

Survey date: 30-Nov-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 6 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 S-1

Measurement data (Innage)		Open	Close
Average	FT/IN	22 05-0/0	
Temperature			
Average temp.	°F	86.2	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		k/k	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21965	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP8-1930	
Inspector Equipment used for verification?		Yes	
Inspector name		Daniel Borrero	



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Shore Tank Measurement Details

Shore tank S-2

Measurement data (Innage)		Open	Close
Average	FT/IN	18 10-3/8	
Temperature			
Average temp.	°F	85.7	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		k/k	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21965	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP8-1930	
Inspector Equipment used for verification?		Yes	
Inspector name		Daviel Borrero	

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Shore Tank Inventory Report

Survey date: 30-Nov-2023

Shore tank measurement		Totals	S-1	S-2
Open measurement				
Date/time of measurement		30 Nov 2023 10:30	30 Nov 2023 10:45	
Average Innage	FT/IN	22 05-0/0	18 10-3/8	
Average temp.	°F	86.2	85.7	
T.O.V.	Barrels	154.40	6,588.24	
Water	FT/IN	00 01-0/0	00 00-5/8	
Water	Barrels	2.05	21.98	
Ambient temp.	°F	76.00	79.00	
Tank shell temp.	°F	85.00	85.00	
CTsh		1.00031	1.00031	
G.O.V.	Barrels	152.40	6,568.30	
API 60°F		35.00	35.00	
V.C.F.	6B	0.98784	0.98808	
G.S.V.	barrels 60°F	150.55	6,490.01	
W.C.F.	MPMS 11.5.1.4.12	0.1326827737	0.1326827737	
W.C.F.	MPMS 11.5.1.4.15	0.1348119220	0.1348119220	
Long Tons		19.975	861.113	
Metric Tons Air		20.296	874.931	
Subtotals				
G.S.V.	barrels 60°F	6,640.56	150.55	6,490.01
Long Tons		881.088	19.975	861.113

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	S-1	S-2
Gross Standard Volume			
Cu m 60°F	1,055.765	23.936	1,031.829
Barrels 60°F	6,640.56	150.55	6,490.01
US Gallons 60°F	278,903.52	6,323.10	272,580.42
Metric Tons Vac	896.359	20.322	876.037
Metric Tons Air	895.227	20.296	874.931
Long Tons Air	881.088	19.975	861.113
Short Tons Air	986.819	22.372	964.447
Pounds Air	1,973,638.00	44,744.00	1,928,894.00
Density 15°C		0.8494	0.8494
API 60°F		35.00	35.00
RD 60/60°		0.8498	0.8498
Total Calculated Volume			
Barrels 60°F	6,664.59	152.60	6,511.99
US Gallons 60°F	279,912.78	6,409.20	273,503.58



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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	1,055.765	1,055.765
Barrels 60°F	6,640.56	6,640.56
US Gallons 60°F	278,903.52	278,903.52
Metric Tons vac	896.359	896.359
Metric Tons air	895.227	895.227
Long Tons	881.088	881.088
Short Tons	986.819	986.819
Pounds	1,973,638.00	1,973,638.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	35.00
B/L Density 15°C	0.8494
B/L Density 20°C	0.8459
B/L RD 60/60°F	0.8498

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	1.001263734
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.134811922
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1326827737
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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