

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
American International Plaza
250 Muñoz Rivera Ave, Suite 1200
00918 SAN JUAN
Puerto Rico
Mr. M. Rios
MAY-TANK INV-2-29-24



Job No 13101/00017444.0000/01/I/24
Report date 01 Mar 2024
Installation Mayagüez, Puerto Rico, Puerto Electric Power Auth.

Shore tank MAY-TANK INV-2-29-24 - MAYAGÜEZ
Product NO2

Survey date: 29-Feb-2024

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Saybolt LP - Puerto Rico Branch has performed a survey and the findings of the survey are reflected in the following reports:

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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/IN	31 04-1/2	
Temperature			
Average temp.	°F	82.3	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		klk	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS-51950	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP7D-36697	
Inspector Equipment used for verification?		Yes	
Inspector name		Jose Flores	

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Shore Tank Measurement Details

Shore tank D-2

Measurement data (Innage)		Open	Close
Average	FT/IN	22 09-1/2	
Temperature			
Average temp.	°F	85.8	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		klk	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS-51950	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP7D-36697	
Inspector Equipment used for verification?		Yes	
Inspector name		Jose Flores	

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Shore Tank Measurement Details

Shore tank D-3

Measurement data (Innage)		Open	Close
Average	FT/IN	30 08-15/16	
Temperature			
Average temp.	°F	85.4	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		klk	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS-51950	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP7D-36697	
Inspector Equipment used for verification?		Yes	
Inspector name		Jose Flores	

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Shore Tank Measurement Details

Shore tank D-4

Measurement data (Innage)		Open	Close
Average	FT/IN	15 00-7/8	
Temperature			
Average temp.	°F	80.0	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		klk	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS-51950	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP7D-36697	
Inspector Equipment used for verification?		Yes	
Inspector name		Jose Flores	

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Shore tank MAY-TANK INV-2-29-24 - MAYAGÜEZ
Product NO2

Shore Tank Inventory Report

Survey date: 29-Feb-2024

Shore tank measurement		Totals	D-1	D-2	D-3	D-4
Open measurement						
Date/time of measurement		29 Feb 2024	29 Feb 2024	29 Feb 2024	29 Feb 2024	
Average Innage	FT/IN	31 04-1/2	22 09-1/2	30 08-15/16	15 00-7/8	
Average temp.	°F	82.3	85.8	85.4	80.0	
T.O.V.	Barrels	27,976.24	3,907.15	5,878.11	9,122.74	
Water	FT/IN		00 02-1/8			
Water	Barrels	482.21	30.36			
Ambient temp.	°F	73.00	72.00	72.00	73.00	
Tank shell temp.	°F	81.00	84.00	84.00	79.00	
CTsh		1.00026	1.00030	1.00030	1.00024	
G.O.V.	Barrels	27,501.18	3,877.95	5,879.87	9,124.93	
API 60°F		33.90	34.10	34.10	36.00	
V.C.F.	6B	0.98975	0.98811	0.98830	0.99065	
G.S.V.	barrels 60°F	27,219.29	3,831.84	5,811.08	9,039.61	
W.C.F.	MPMS 11.5.1.4.12	0.1335664345	0.1334048957	0.1334048957	0.1318895173	
W.C.F.	MPMS 11.5.1.4.15	0.1357097629	0.1355456319	0.1355456319	0.1340059363	
Long Tons		3,635.584	511.186	775.227	1,192.230	
Metric Tons Air		3,693.923	519.389	787.667	1,211.361	
Subtotals						
G.S.V.	barrels 60°F	45,901.82	27,219.29	3,831.84	5,811.08	9,039.61
Long Tons		6,114.227	3,635.584	511.186	775.227	1,192.230

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	7,297.807	4,327.522	609.214	923.888	1,437.183
Barrels 60°F	45,901.82	27,219.29	3,831.84	5,811.08	9,039.61
US Gallons 60°F	1,927,876.44	1,143,210.18	160,937.28	244,065.36	379,663.62
Metric Tons Vac	6,220.156	3,698.557	520.041	788.656	1,212.902
Metric Tons Air	6,212.340	3,693.923	519.389	787.667	1,211.361
Long Tons Air	6,114.227	3,635.584	511.186	775.227	1,192.230
Short Tons Air	6,847.934	4,071.854	572.528	868.254	1,335.298
Pounds Air	13,695,868.00	8,143,708.00	1,145,056.00	1,736,508.00	2,670,596.00
Density 15°C		0.8551	0.8540	0.8540	0.8443
API 60°F		33.90	34.10	34.10	36.00
RD 60/60°		0.8555	0.8545	0.8545	0.8448
Total Calculated Volume					
Barrels 60°F	46,414.39	27,701.50	3,862.20	5,811.08	9,039.61
US Gallons 60°F	1,949,404.38	1,163,463.00	162,212.40	244,065.36	379,663.62



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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	7,297.807	7,297.807
Barrels 60°F	45,901.82	45,901.82
US Gallons 60°F	1,927,876.44	1,927,876.44
Metric Tons vac	6,220.156	6,220.156
Metric Tons air	6,212.340	6,212.340
Long Tons	6,114.227	6,114.227
Short Tons	6,847.934	6,847.934
Pounds	13,695,868.00	13,695,868.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	34.35
B/L Density 15°C	0.8527
B/L Density 20°C	0.8492
B/L RD 60/60°F	0.8532

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	1.001258255
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1353410248
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1332035201
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

Date: 04 Mar 2024 12:40
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Saybolt LP, Route 127 km 11.7, 00656 Guayanilla, Puerto Rico
Tel. 1-787-835-4784 FAX
Website: www.corelab.com E-mail: saybolt.puertorico@corelab.com
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