

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
P.O. BOX 4267
00936 SAN JUAN
Puerto Rico
Mr. M. Rios
SJ-TANKINVENTORY-5-22 / 06193



Job No 13101/00016646.0000/01/I/22
Report date 07 Jun 2022
Installation San Juan, Puerto Rico, Central San Juan Terminal

Shore tank SJ-TANK INVENTORY-5-22
Product Fuel Oil No. 6, Fuel Oil No. 2

Survey date: 31-May-2022, 31-May-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
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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: Jose Flores

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 SJ-TANK INVENTORY-5-22
Product Fuel Oil No. 2

Survey date: 31-May-2022

Shore Tank Inventory Report

Shore tank measurement		Totals	D5	D6
Open measurement				
Date/time of measurement		31 May 2022	21:45	31 May 2022 21:15
Average Innage	FT/IN		26-0-1/4	36-0-1/4
Average temp.	°F		86.6	87.0
T.O.V.	Barrels	26,808.27		37,181.51
Water	FT/IN		0-3-7/8	0-4-1/2
Water	Barrels	206.79		295.14
Ambient temp.	°F		80.00	80.00
Tank shell temp.	°F		86.00	86.00
CTsh			1.00001	1.00032
G.O.V.	Barrels	26,601.75		36,898.17
API 60°F			36.40	37.00
V.C.F.	6B		0.98752	0.98727
G.S.V.	barrels 60°F	26,269.76		36,428.46
W.C.F.	MPMS 11.5.1.4.12	0.1315748605		0.1311056763
W.C.F.	MPMS 11.5.1.4.15	0.1336862302		0.1332095171
Long Tons		3,456.440		4,775.978
Metric Tons Air		3,511.905		4,852.618
Subtotals				
G.S.V.	barrels 60°F	62,698.22	26,269.76	36,428.46
Long Tons		8,232.418	3,456.440	4,775.978

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 SJ-TANK INVENTORY-5-22
Product Fuel Oil No. 6

Shore Tank Inventory Report - 1

Survey date: 31-May-2022

Shore tank measurement		Totals	R1	R2	R4	S7
Open measurement						
Date/time of measurement		01 Jun 2022 04:00	01 Jun 2022 02:00	01 Jun 2022 04:30	01 Jun 2022 01:30	
Average Innage	FT/IN	27-2-1/8	16-10-3/8	9-1-1/8	4-5	
Average temp.	°F	111.5	106.1	110.6	95.5	
T.O.V.	Barrels	46,799.48	29,045.95	40,744.12	2,207.05	
Ambient temp.	°F	78.00	80.00	78.00	80.00	
Tank shell temp.	°F	107.00	103.00	107.00	94.00	
CTsh		1.00058	1.00053	1.00058	1.00042	
G.O.V.	Barrels	46,826.62	29,061.34	40,767.75	2,207.98	
API 60°F		20.50	20.70	20.60	20.70	
V.C.F.	6B	0.97872	0.98093	0.97908	0.98534	
G.S.V.	barrels 60°F	45,830.15	28,507.14	39,914.89	2,175.61	
W.C.F.	MPMS 11.5.1.4.12	0.1453579156	0.1451666599	0.1452622248	0.1451666599	
W.C.F.	MPMS 11.5.1.4.15	0.1476904607	0.1474961360	0.1475932345	0.1474961360	
Long Tons		6,661.775	4,138.286	5,798.126	315.826	
Metric Tons Air		6,768.676	4,204.693	5,891.168	320.894	
Subtotals						
G.S.V.	barrels 60°F	122,801.30	45,830.15	28,507.14	39,914.89	2,175.61
Long Tons		17,839.235	6,661.775	4,138.286	5,798.126	315.826

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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Product Fuel Oil No. 6

Shore Tank Inventory Report - 2

Shore tank measurement		S8	S9
Open measurement			
Date/time of measurement		01 Jun 2022 01:10	01 Jun 2022 00:30
Average Innage	FT/IN	4-2	25-1-1/2
Average temp.	°F	100.6	113.2
T.O.V.	Barrels	2,249.45	4,251.85
Ambient temp.	°F	80.00	80.00
Tank shell temp.	°F	98.00	109.00
CTsh		1.00047	1.00061
G.O.V.	Barrels	2,250.51	4,254.44
API 60°F		20.70	20.70
V.C.F.	6B	0.98322	0.97798
G.S.V.	barrels 60°F	2,212.75	4,160.76
W.C.F.	MPMS 11.5.1.4.12	0.1451666599	0.1451666599
W.C.F.	MPMS 11.5.1.4.15	0.1474961360	0.1474961360
Long Tons		321.218	604.004
Metric Tons Air		326.372	613.696
Subtotals			
G.S.V.	barrels 60°F	2,212.75	4,160.76
Long Tons		321.218	604.004

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 SJ-TANK INVENTORY-5-22
Product Fuel Oil No. 6
Survey date: 31 May 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	19,523.847	19,523.847
Barrels 60°F	122,801.30	122,801.30
US Gallons 60°F	5,157,654.60	5,157,654.60
Metric Tons vac	18,146.187	18,146.187
Metric Tons air	18,125.499	18,125.499
Long Tons	17,839.235	17,839.235
Short Tons	19,979.942	19,979.942
Pounds	39,959,884.00	39,959,884.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	20.59
B/L Density 15°C	0.9298
B/L Density 20°C	0.9264
B/L RD 60/60°F	0.9304

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	1.001141338
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1476029513
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1452717882
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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Certificate of Quantity

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

	Gross	Net
Cubic meters 60°F	9,968.221	9,968.221
Barrels 60°F	62,698.22	62,698.22
US Gallons 60°F	2,633,325.24	2,633,325.24
Metric Tons vac	8,375.218	8,375.218
Metric Tons air	8,364.523	8,364.523
Long Tons	8,232.418	8,232.418
Short Tons	9,220.308	9,220.308
Pounds	18,440,616.00	18,440,616.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	36.75
B/L Density 15°C	0.8406
B/L Density 20°C	0.8371
B/L RD 60/60°F	0.8410

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	1.001278554
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1334077344
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1313007631
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