

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
P.O. BOX 4267
00936 SAN JUAN
Puerto Rico
Mr. E. Barbosa
AG-TANKINVENTORY-5-22 / 06195



Job No 13101/00016647.0000/01/I/22
Report date 02 Jun 2022
Installation Salinas, Puerto Rico, Central Aguirre Terminal

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

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This report consists of 9 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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 Report date 02 Jun 2022
 Installation Salinas, Puerto Rico, Central Aguirre Terminal

Shore tank AG-TANK INVENTORY-5-22
Product Fuel Oil No. 2

Shore Tank Inventory Report - 1

Survey date: 31-May-2022

Shore tank measurement		Totals	R-1	R-2	R-6	TG1			
Open measurement									
Date/time of measurement		31 May 2022	19:25	31 May 2022	18:10	31 May 2022	19:55	31 May 2022	18:50
Average Innage	FT/IN	12-10-7/8		4-11-1/2		6-1-11/16		8-8-3/4	
Average temp.	°F	84.2		82.3		85.6		84.9	
T.O.V.	Barrels	11,419.03		4,269.08		39,346.42		3,076.98	
Water	FT/IN	00-02-1/8		00-02-7/8					
Water	Barrels	53.98		77.40					
Ambient temp.	°F	84.00		84.00		83.00		84.00	
Tank shell temp.	°F	84.00		83.00		85.00		85.00	
CTsh		1.00030		1.00029		1.00031		1.00031	
G.O.V.	Barrels	11,368.46		4,192.90		39,358.62		3,077.93	
API 60°F		40.00		37.00		39.10		39.20	
V.C.F.	6B	0.98819		0.98949		0.98764		0.98796	
G.S.V.	barrels 60°F	11,234.20		4,148.83		38,872.15		3,040.87	
W.C.F.	MPMS 11.5.1.4.12	0.1288089996		0.1311056763		0.1294895213		0.1294135534	
W.C.F.	MPMS 11.5.1.4.15	0.1308759858		0.1332095171		0.1315674278		0.1314902409	
Long Tons		1,447.066		543.935		5,033.536		393.530	
Metric Tons Air		1,470.287		552.664		5,114.309		399.845	
Subtotals									
G.S.V.	barrels 60°F	118,462.33	11,234.20	4,148.83		38,872.15		3,040.87	
Long Tons		15,338.048	1,447.066	543.935		5,033.536		393.530	

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

Shore Tank Inventory Report - 2

Survey date: 31-May-2022

Shore tank measurement		TG2		D-1		D-2		D-4	
Open measurement									
Date/time of measurement		31 May 2022	18:30	01 Jun 2022	01:15	31 May 2022	19:10	31 May 2022	19:50
Average Innage	FT/IN	32.5		18-8-9/16		33-1-3/4		31-10-1/8	
Average temp.	°F	86.2		87.7		87.3		86.9	
T.O.V.	Barrels	5,562.43		12,797.71		22,904.00		21,832.50	
Water	FT/IN	00-07		00-07		00-9-1/8			
Water	Barrels	92.79		360.05		685.05			
Ambient temp.	°F	84.00		79.00		82.00		80.00	
Tank shell temp.	°F	86.00		87.00		87.00		86.00	
CTsh		1.00032		1.00033		1.00033		1.00032	
G.O.V.	Barrels	5,471.39		12,441.76		22,226.28		21,839.49	
API 60°F		39.20		39.10		39.10		39.10	
V.C.F.	6B	0.98733		0.98662		0.98681		0.98701	
G.S.V.	barrels 60°F	5,402.07		12,275.29		21,933.12		21,555.80	
W.C.F.	MPMS 11.5.1.4.12	0.1294135534		0.1294895213		0.1294895213		0.1294895213	
W.C.F.	MPMS 11.5.1.4.15	0.1314902409		0.1315674278		0.1315674278		0.1315674278	
Long Tons		699.101		1,589.521		2,840.109		2,791.250	
Metric Tons Air		710.319		1,615.028		2,885.684		2,836.041	
Subtotals									
G.S.V.	barrels 60°F	5,402.07		12,275.29		21,933.12		21,555.80	
Long Tons		699.101		1,589.521		2,840.109		2,791.250	

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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Installation Salinas, Puerto Rico, Central Aguirre Terminal

Shore tank AG-TANK INVENTORY-5-22
Product Fuel Oil No. 6

Shore Tank Inventory Report

Survey date: 31-May-2022

Shore tank measurement		Totals	R-1 BC		R-3		S-1		S-2	
Open measurement										
Date/time of measurement			31 May 2022	19:25	31 May 2022	15:30	31 May 2022	18:10	01 Jun 2022	00:50
Average Innage	FT/IN		32-10-1/2		30-8		6-1-5/16		11-2	
Average temp.	°F		91.0		95.8		80.7		91.5	
T.O.V.	Barrels		218,905.64		204,506.73		30,926.05		26,359.00	
Ambient temp.	°F		83.00		90.00		84.00		79.00	
Tank shell temp.	°F		90.00		95.00		81.00		90.00	
CTsh			1.00037		1.00043		1.00026		1.00037	
G.O.V.	Barrels		218,986.64		204,594.67		30,934.09		26,368.75	
API 60°F			20.20		19.90		19.40		20.20	
V.C.F.	6B		0.98726		0.98531		0.99156		0.98705	
G.S.V.	barrels 60°F		216,196.75		201,589.17		30,673.01		26,027.27	
W.C.F.	MPMS 11.5.1.4.12		0.1456457447		0.1459347145		0.1464188841		0.1456457447	
W.C.F.	MPMS 11.5.1.4.15		0.1479829086		0.1482765155		0.1487684545		0.1479829086	
Long Tons			31,488.137		29,418.858		4,491.108		3,790.761	
Metric Tons Air			31,993.424		29,890.940		4,563.176		3,851.591	
Subtotals										
G.S.V.	barrels 60°F	474,486.20	216,196.75		201,589.17		30,673.01		26,027.27	
Long Tons		69,188.864	31,488.137		29,418.858		4,491.108		3,790.761	

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

Survey date: 31-May-2022

Shore Tank Inventory Subtotals - 1

Shore tank Subtotals	Totals	R-1	R-2	R-6	TG1
Gross Standard Volume					
Cu m 60°F	18,834.007	1,786.095	659.611	6,180.178	483.460
Barrels 60°F	118,462.33	11,234.20	4,148.83	38,872.15	3,040.87
US gallons 60°F	4,975,417.86	471,836.40	174,250.86	1,632,630.30	127,716.54
Metric Tons Vac	15,604.416	1,472.207	553.372	5,120.950	400.365
Metric Tons Air	15,584.177	1,470.287	552.664	5,114.309	399.845
Long Tons Air	15,338.048	1,447.066	543.935	5,033.536	393.530
Short Tons Air	17,178.614	1,620.714	609.207	5,637.560	440.754
Pounds Air	34,357,228.00	3,241,428.00	1,218,414.00	11,275,120.00	881,508.00
Density 15°C		0.8247	0.8393	0.8290	0.8285
API 60°F		40.00	37.00	39.10	39.20
RD 60/60°		0.8251	0.8398	0.8294	0.8289
Total Calculated Volume					
Barrels 60°F	119,731.60	11,288.18	4,226.23	38,872.15	3,040.87
US gallons 60°F	5,028,727.20	474,103.56	177,501.66	1,632,630.30	127,716.54

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Shore tank AG-TANK INVENTORY-5-22
Product Fuel Oil No. 2

Survey date: 31-May-2022

Shore Tank Inventory Subtotals - 2

Shore tank Subtotals	TG2	D-1	D-2	D-4
Gross Standard Volume				
Cu m 60°F	858.861	1,951.615	3,487.088	3,427.099
Barrels 60°F	5,402.07	12,275.29	21,933.12	21,555.80
US gallons 60°F	226,886.94	515,562.18	921,191.04	905,343.60
Metric Tons Vac	711.242	1,617.125	2,889.431	2,839.724
Metric Tons Air	710.319	1,615.028	2,885.684	2,836.041
Long Tons Air	699.101	1,589.521	2,840.109	2,791.250
Short Tons Air	782.993	1,780.264	3,180.922	3,126.200
Pounds Air	1,565,986.00	3,560,528.00	6,361,844.00	6,252,400.00
Density 15°C	0.8285	0.8290	0.8290	0.8290
API 60°F	39.20	39.10	39.10	39.10
RD 60/60°	0.8289	0.8294	0.8294	0.8294
Total Calculated Volume				
Barrels 60°F	5,494.86	12,635.34	22,618.17	21,555.80
US gallons 60°F	230,784.12	530,684.28	949,963.14	905,343.60

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Shore tank AG-TANK INVENTORY-5-22
Product Fuel Oil No. 6

Shore Tank Inventory Subtotals

Shore tank Subtotals	Totals	R-1 BC	R-3	S-1	S-2
Gross Standard Volume					
Cu m 60°F	75,437.281	34,372.538	32,050.119	4,876.619	4,138.005
Barrels 60°F	474,486.20	216,196.75	201,589.17	30,673.01	26,027.27
US gallons 60°F	19,928,420.40	9,080,263.50	8,466,745.14	1,288,266.42	1,093,145.34
Metric Tons Vac	70,379.022	32,029.831	29,924.879	4,568.338	3,855.974
Metric Tons Air	70,299.131	31,993.424	29,890.940	4,563.176	3,851.591
Long Tons Air	69,188.864	31,488.137	29,418.858	4,491.108	3,790.761
Short Tons Air	77,491.527	35,266.713	32,949.121	5,030.041	4,245.652
Pounds Air	154,983,054.00	70,533,426.00	65,898,242.00	10,060,082.00	8,491,304.00
Density 15°C		0.9322	0.9341	0.9372	0.9322
API 60°F		20.20	19.90	19.40	20.20
RD 60/60°		0.9328	0.9346	0.9377	0.9328
Total Calculated Volume					
Barrels 60°F	474,486.20	216,196.75	201,589.17	30,673.01	26,027.27
US gallons 60°F	19,928,420.40	9,080,263.50	8,466,745.14	1,288,266.42	1,093,145.34

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Shore tank AG-TANK INVENTORY-5-22
Product Fuel Oil No. 2
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	18,834.007	18,834.007
Barrels 60°F	118,462.33	118,462.33
US Gallons 60°F	4,975,417.86	4,975,417.86
Metric Tons vac	15,604.416	15,604.416
Metric Tons air	15,584.177	15,584.177
Long Tons	15,338.048	15,338.048
Short Tons	17,178.614	17,178.614
Pounds	34,357,228.00	34,357,228.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	39.12
B/L Density 15°C	0.8289
B/L Density 20°C	0.8253
B/L RD 60/60°F	0.8293

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	1.001298746
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1315519832
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1294743206
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 AG-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	75,437.281	75,437.281
Barrels 60°F	474,486.20	474,486.20
US Gallons 60°F	19,928,420.40	19,928,420.40
Metric Tons vac	70,379.022	70,379.022
Metric Tons air	70,299.131	70,299.131
Long Tons	69,188.864	69,188.864
Short Tons	77,491.527	77,491.527
Pounds	154,983,054.00	154,983,054.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	20.02
B/L Density 15°C	0.9333
B/L Density 20°C	0.9299
B/L RD 60/60°F	0.9339

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	1.00113649
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1481589332
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1458189893
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