

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
American International Plaza
250 Muñoz Rivera Ave, Suite 1200
00918 SAN JUAN
Puerto Rico
Mr. M. Rios
SJ-TANK INVENTORY-8-23 - SAN JUAN - ALL TANKS - 8/31/2023



Job No 13101/00017215.0000/01/I/23
Report date 01 Sep 2023
Installation San Juan, Puerto Rico, Central San Juan Terminal, berth SHORE TANK .

Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 2, Fuel Oil NO 6

Survey date: 31-Aug-2023, 31-Aug-2023

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
Shore Tank Inventory Report	three
Shore Tank Measurement Details	nine
Certificate of Quantity	two

This report consists of 15 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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Job No 13101/00017215.0000/01/I/23
 Report date 01 Sep 2023
 Installation San Juan, Puerto Rico, Central San Juan Terminal, berth SHORE TANK .

Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 2

Survey date: 31-Aug-2023

Shore Tank Inventory Report

Shore tank measurement		Totals	D-5	D-6
Open measurement				
Date/time of measurement			01 Sep 2023 00:01	31 Aug 2023 20:30
Average Innage	FT/IN	9 11-13/16		36 02-9/16
Average temp.	°F	89.4		89.8
T.O.V.	Barrels	10,188.28		37,381.17
Water	FT/IN	51		51
Water	Barrels	337.87		381.27
Ambient temp.	°F	81.00		83.00
Tank shell temp.	°F	88.00		89.00
CTsh		1.00004		1.00005
G.O.V.	Barrels	9,850.80		37,001.75
API 60°F		34.70		35.20
V.C.F.	6B	0.98639		0.98614
G.S.V.	barrels 60°F	9,716.73		36,488.91
W.C.F.	MPMS 11.5.1.4.12	0.1329226121		0.1325233610
W.C.F.	MPMS 11.5.1.4.15	0.1350556091		0.1346499513
Long Tons		1,291.573		4,835.633
Metric Tons Air		1,312.299		4,913.230
Subtotals				
G.S.V.	barrels 60°F	46,205.64	9,716.73	36,488.91
Long Tons		6,127.206	1,291.573	4,835.633

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via sediments and water vol% and dens. (ISO 9403:2000(E))

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SJ-TANK INVENTORY-8-23 - SAN JUAN - ALL TANKS - 8/31/2023



Job No 13101/00017215.0000/01/1/23

Report date 01 Sep 2023

Installation San Juan, Puerto Rico, Central San Juan Terminal, berth SHORE TANK .

Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN

Product Fuel Oil NO 6

Shore Tank Inventory Report - 1

Survey date: 31-Aug-2023

Shore tank measurement		Totals	R-1	R-4	R-2	S-9
Open measurement						
Date/time of measurement			31 Aug 2023 20:00	31 Aug 2023 23:15	31 Aug 2023 20:15	31 Aug 2023 23:30
Average Innage	FT/IN	26 06-1/4	17 09-3/8	26 06-1/4	25 03	
Average temp.	°F	97.5	93.3	98.9	100.4	
T.O.V.	Barrels	45,665.48	31,312.79	45,678.83	4,273.42	
Ambient temp.	°F	83.00	81.00	83.00	81.00	
Tank shell temp.	°F	96.00	92.00	97.00	98.00	
CTsh		1.00045	1.00040	1.00046	1.00047	
G.O.V.	Barrels	45,686.03	31,325.32	45,699.84	4,275.43	
API 60°F		16.10	18.20	18.50	18.20	
V.C.F.	6B	0.98511	0.98654	0.98423	0.98366	
G.S.V.	barrels 60°F	45,005.77	30,903.68	44,979.15	4,205.57	
W.C.F.	MPMS 11.5.1.4.12	0.1496966731	0.1475940870	0.1472985235	0.1475940870	
W.C.F.	MPMS 11.5.1.4.15	0.1520988419	0.1499625158	0.1496622094	0.1499625158	
Long Tons		6,737.214	4,561.200	6,625.362	620.717	
Metric Tons Air		6,845.325	4,634.394	6,731.679	630.678	
Subtotals						
G.S.V.	barrels 60°F	131,662.27	45,005.77	30,903.68	44,979.15	4,205.57
Long Tons		19,495.191	6,737.214	4,561.200	6,625.362	620.717

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

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 Report date 01 Sep 2023
 Installation San Juan, Puerto Rico, Central San Juan Terminal, berth SHORE TANK .

Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Inventory Report - 2

Shore tank measurement		S-7	S-8	S-10
Open measurement				
Date/time of measurement		31 Aug 2023 21:50	31 Aug 2023 21:40	31 Aug 2023 21:00
Average Innage	FT/IN	03 04-1/16	03 03-9/16	11 09-1/4
Average temp.	°F	93.6	95.1	85.6
T.O.V.	Barrels	2,378.76	2,388.66	1,886.09
Ambient temp.	°F	84.00	84.00	83.00
Tank shell temp.	°F	92.00	94.00	85.00
CTsh		1.00040	1.00042	1.00031
G.O.V.	Barrels	2,379.71	2,389.66	1,886.67
API 60°F		21.20	21.20	21.00
V.C.F.	6B	0.98606	0.98544	0.98941
G.S.V.	barrels 60°F	2,346.54	2,354.87	1,866.69
W.C.F.	MPMS 11.5.1.4.12	0.1446907124	0.1446907124	0.1448807169
W.C.F.	MPMS 11.5.1.4.15	0.1470125511	0.1470125511	0.1472056045
Long Tons		339.523	340.728	270.447
Metric Tons Air		344.971	346.195	274.787
Subtotals				
G.S.V.	barrels 60°F	2,346.54	2,354.87	1,866.69
Long Tons		339.523	340.728	270.447

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via sediments and water vol% and dens. (ISO 9403:2000(E))

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Installation San Juan, Puerto Rico, Central San Juan Terminal, berth SHORE TANK .

Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 2

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank D-5

Measurement data (Innage)		Open	Close
Average	FT/IN	9 11-13/16	
Temperature			
Average temp.	°F	89.4	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		KK	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21966	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		H.L	

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 2

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank D-6

Measurement data (Innage)		Open	Close
Average	FT/IN	36 02-9/16	
Temperature			
Average temp.	°F	89.8	
Measurement Equipment Data			
		Open	
Water measurement used		Paste	
Water paste used		KK	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank R-1

Measurement data (Innage)		Open	Close
Average	FT/IN	26 06-1/4	
Temperature			
Average temp.	°F	97.5	
Measurement Equipment Data			
		Open	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21966	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		H.L.	

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank R-2

Measurement data (Innage)		Open	Close
Average	FT/IN	26 06-1/4	
Temperature			
Average temp.	°F	98.9	
Measurement Equipment Data			
		Open	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21966	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		H.L.	

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank R-4

Measurement data (Innage)		Open	Close
Average	FT/IN	17 09-3/8	
Temperature			
Average temp.	°F	93.3	
Measurement Equipment Data			
		Open	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21966	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		H.L.	

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Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank S-10

Measurement data (Innage)		Open	Close
Average	FT/IN	11 09-1/4	
Temperature			
Average temp.	°F	85.6	
Measurement Equipment Data			
		Open	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21966	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		H.L.	

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank S-7

Measurement data (Innage)		Open	Close
Average	FT/IN	03 04-1/16	
Temperature			
Average temp.	°F	93.6	
Measurement Equipment Data			
		Open	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS19488	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		J.F.	

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank S-8

Measurement data (Innage)		Open	Close
Average	FT/IN	03 03-9/16	
Temperature			
Average temp.	°F	95.1	
Measurement Equipment Data			
		Open	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS-19488	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		J.F.	

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31-Aug-2023

Shore Tank Measurement Details

Shore tank S-9

Measurement data (Innage)		Open	Close
Average	FT/IN	25 03	
Temperature			
Average temp.	°F	100.4	
Measurement Equipment Data			
		Open	
Gauging equipment type		Saybolt Equipment	
Gauging Equipment used		Manual Tape	
Gauging equipment number		CS21966	
Temperature equipment type		Saybolt Equipment	
Temperature Equipment used		Portable Electronic Thermometer	
Temperature equipment number		TP9-02088	
Inspector Equipment used for verification?		Yes	
Inspector name		H.L.	

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Installation San Juan, Puerto Rico, Central San Juan Terminal, berth SHORE TANK .

Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 2

Survey date: 31 Aug 2023

Certificate of Quantity

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

	Gross	Net
Cubic meters 60°F	7,346.110	7,346.110
Barrels 60°F	46,205.64	46,205.64
US Gallons 60°F	1,940,636.88	1,940,636.88
Metric Tons vac	6,233.401	6,233.401
Metric Tons air	6,225.529	6,225.529
Long Tons	6,127.206	6,127.206
Short Tons	6,862.471	6,862.471
Pounds	13,724,942.00	13,724,942.00

These quantities have been determined by Shore tank measurements taken by Manual measurements.

B/L API 60°F	35.09
B/L Density 15°C	0.8490
B/L Density 20°C	0.8455
B/L RD 60/60°F	0.8494

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	1.001264401
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1347389871
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1326109906
Long Tons to Short Tons	MPMS 11.5 - Annex D	1.12

Remark

Net via sediment density and water density

Signed by: Saybolt representative

Name:

Rank: Saybolt Inspector

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Shore tank SJ-TANK INVENTORY-8-23 - SAN JUAN
Product Fuel Oil NO 6

Survey date: 31 Aug 2023

Certificate of Quantity

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

	Gross	Net
Cubic meters 60°F	20,932.629	20,932.629
Barrels 60°F	131,662.27	131,662.27
US Gallons 60°F	5,529,815.34	5,529,815.34
Metric Tons vac	19,830.153	19,830.153
Metric Tons air	19,808.029	19,808.029
Long Tons	19,495.191	19,495.191
Short Tons	21,834.614	21,834.614
Pounds	43,669,228.00	43,669,228.00

These quantities have been determined by Shore tank measurements taken by Manual measurements.

B/L API 60°F	17.72
B/L Density 15°C	0.9477
B/L Density 20°C	0.9443
B/L RD 60/60°F	0.9483

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	1.001116919
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1504455177
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1480694606
Long Tons to Short Tons	MPMS 11.5 - Annex D	1.12

Remark

Net via sediment density and water density

Signed by: Saybolt representative

Name:

Rank: Saybolt Inspector