



Field Inspection Report

Cargo Operation: Inventory

Vessel(s)

Product(s)

6 Fuel Oil
#2 Fuel Oil/ Diesel

Client(s)

Autoridad De Energia Electrica De Puerto Rico

Reference #

SJ-TANK INVENTORY-11-23

Location(s)

San Juan | Prepa - Central SJ

All measurements contained in this report were performed according to the API manual of petroleum measurement standards:

Chapter 3 Tank Gauging; Chapter 7 Temperature Determination; Chapter 8 Sampling; Chapter 12 Calculation of Petroleum Quantities; Chapter 17 Marine Measurement.

All Bureau Veritas measurement devices and methods used for quantity and quality determination meet pertinent requirements of 40 CFR 98.3 et. Seq. (Greenhouse Gas Mandatory Reporting Rule).

All Operations to be carried out in accordance with Bureau Veritas Commodities Division General Conditions of Service (2014 Edition). An electronic version can also be viewed on our company website: www.bureauveritas.com/terms_and_conditions/index.asp



Victor REYES

Bureau Veritas Commodities and Trade, Inc

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Shore Tanks Measurements



**BUREAU
VERITAS**

R-1		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	20:40	N/A	77.0	1.00052	24.14		6B-60°F	
			Close			N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	26-11 1/2	46,421.41	N/A	0.00	18.6	105.5	46,445.55	0.98152	45,587.24
Close									
Difference		46,421.41		0.00			46,445.55		45,587.24

Adjustments to GSV

45,587.24

R-2		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	20:50	N/A	77.0	1.00050	16.77		6B-60°F	
			Close			N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	19-5 5/8	33,531.79	N/A	0.00	18.5	103.3	33,548.56	0.98243	32,959.11
Close									
Difference		33,531.79		0.00			33,548.56		32,959.11

Adjustments to GSV

32,959.11

R-4		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	20:15	N/A	77.0	1.00042	12.50		6B-60°F	
			Close			N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	15-5 3/8	29,765.19	N/A	0.00	18.3	95.9	29,777.69	0.98547	29,345.02
Close									
Difference		29,765.19		0.00			29,777.69		29,345.02

Adjustments to GSV

29,345.02

S-7		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	21:30	N/A	77.0	1.00033	0.60		6B-60°F	
			Close			N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	11-6 5/8	1,827.08	N/A	0.00	18.3	88.2	1,827.68	0.98860	1,806.84
Close									
Difference		1,827.08		0.00			1,827.68		1,806.84

Adjustments to GSV

1,806.84

S-3		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	21:15	N/A	77.0	1.00035	0.64		6B-60°F	
			Close			N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	6-9 1/8	1,834.27	N/A	0.00	18.3	89.2	1,834.91	0.98819	1,813.24
Close									
Difference		1,834.27		0.00			1,834.91		1,813.24

Adjustments to GSV

1,813.24

S-9		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	21:05	N/A	77.0	1.00038	1.62		6B-60°F	
			Close			N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	25-1 1/2	4,251.83	N/A	0.00	17.3	92.8	4,253.45	0.98685	4,197.52
Close									
Difference		4,251.83		0.00			4,253.45		4,197.52

Adjustments to GSV

4,197.52

S-10		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	23:58	N/A	77.0	1.00063	2.23		6B-60°F	
			Close			N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	20-8 1/8	3,540.76	N/A	0.00	18.3	115.5	3,542.99	0.97749	3,463.24
Close									
Difference		3,540.76		0.00			3,542.99		3,463.24

Adjustments to GSV

3,463.24

V. Reyes

Job #: PRPUE-23-00445-1

Date: 30-Nov-2023

Location(s): San Juan - Prepa - Central SJ

Vessel(s):

Product(s): # 6 Fuel Oil

Client(s): Autoridad De Energia Electrica De Puerto Rico-SJ-TANK INVENTORY-11-23

Shore Tanks Measurements



**BUREAU
VERITAS**

Shore Summary

API-60°F	Adjustments (Bbls)		To Water	Condition of Shore Lines	Method of Verification	Water Paste Used
	For Meters to GSV	For Lines to GSV				
18.5				Full Before & After	Per Terminal	Kolor Kut
Shore Delivered	Shore Delivered	Total Calculated		Gross Standard		Density
	Cubic Meters 15°C	18,939.292		18,939.292		API 60°F
	Cubic Meters 60°F	18,946.867		18,946.867		18.5
	Liters 60°F	18,946,867		18,946,867		Table 8 Lbs/Gal (In Air)
	Barrels 60°F	119,172.21		119,172.21		7.855921252
	Gallons 60°F	5,005,232.82		5,005,232.82		Table 11 LT/Bbl (In Air)
	Kilograms	17,835,576		17,835,576		0.1472985235
	Pounds	39,320,715		39,320,715		Table 13 MT/Bbl (In Air)
	Short Tons	19,660.358		19,660.358		0.1496622094
	Long Tons	17,553.891		17,553.891		Table 13 MT/Bbl (In Vac)
MT (In Air)	17,835.576		17,835.576		0.1498304365	
MT (In Vac)	17,855.624		17,855.624			
	Free Water		0.00			

Date/Time

Date/Time

V. Reyes
Victor REYES

Date/Time

Job #: PRPUE-23-00445-1

Date: 30-Nov-2023

Location(s): San Juan - Prepa - Central SJ

Vessel(s):

Product(s): #2 Fuel Oil/ Diesel

Client(s): Autoridad De Energia Electrica De Puerto Rico-SJ-TANK INVENTORY-11-23



**BUREAU
VERITAS**

D-5	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 20:00	N/A	77.0	0.99999	-0.37		6B-60°F	
		Close		N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	36-0 7/8	37,244.01	0-5 1/2	337.87	35.8	85.5	36,905.77	0.98809	36,466.22
Close									
Difference		37,244.01		337.87			36,905.77		36,466.22
Adjustments to GSV									36,466.22

D-6	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 20:30	N/A	77.0	1.00000	0.00		6B-60°F	
		Close		N/A					6B-60°F	

Operation Phase	Gauge ft	TOV Barrels	FW Gauge ft	FW Barrels	API-60°F	Temp °F	GOV Barrels	VCF 60°F	GSV Barrels
Open	34-3 1/4	35,368.18	0-5 1/4	359.65	37.1	86.0	35,008.53	0.98774	34,579.33
Close									
Difference		35,368.18		359.65			35,008.53		34,579.33
Adjustments to GSV									34,579.33

Shore Summary

API-60°F	Adjustments (Bbls)			Condition of Shore Lines	Method of Verification	Water Paste Used
	For Meters to GSV	For Lines to GSV	To Water			
36.4				Full Before & After	Per Terminal	Kolor Kut

Shore Delivered	Shore Delivered	Total Calculated	Gross Standard
	Cubic Meters 15°C	11,400.879	11,290.033
	Cubic Meters 60°F	11,406.237	11,295.340
	Liters 60°F	11,406,237	11,295,340
	Barrels 60°F	71,743.07	71,045.55
	Gallons 60°F	3,013,208.94	2,983,913.10
	Kilograms	9,591,061	9,497,812
	Pounds	21,144,669	20,939,091
	Short Tons	10,572.335	10,469.546
	Long Tons	9,439.584	9,347.808
	MT (In Air)	9,591.061	9,497.812
MT (In Vac)	9,603.302	9,509.934	
	Free Water	697.52	

Density
API 60°F
36.4
Table 8 Lbs/Gal (In Air)
7.017325890
Table 11 LT/Bbl (In Air)
0.1315748605
Table 13 MT/Bbl (In Air)
0.1336862302
Table 13 MT/Bbl (In Vac)
0.1338568521

Date/Time

Date/Time

V. Reyes
Victor REYES

Date/Time

30-Nov-2023