



Field Inspection Report

Cargo Operation: Inventory

Vessel(s)

Product(s)

6 Fuel Oil
#2 Fuel Oil

Client(s)

Autoridad De Energia Electrica De Puerto Rico

Reference #

SJ-TANKINVENTORY-11-22

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

Reinaldo LUGO
Bureau Veritas Commodities and Trade, Inc

Table of Contents

Shore Tanks Measurements - # 6 Fuel Oil	1
Shore Tanks Measurements - #2 Fuel Oil	3

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Shore Tanks Measurements



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

Vessel(s):

Product(s): # 6 Fuel Oil

Client(s): Autoridad De Energia Electrica De Puerto Rico-SJ-TANKINVENTORY-11-22

**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-2022	23:45	N/A	79.0	1.00040	15.52		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	22-6 1/2	38,791.15	N/A		19.4	94.2	38,806.67	0.98603	38,264.54			
Close												
Difference		38,791.15					38,806.67					
Adjustments to GSV										38,264.54		
R-2		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	20:30	N/A	81.0	1.00038	17.80		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	27-2 7/16	46,854.10	N/A		19.7	92.1	46,871.90	0.98686	46,256.00			
Close												
Difference		46,854.10					46,871.90					
Adjustments to GSV										46,256.00		
R-4		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	20:40	N/A	81.0	1.00036	17.14		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	5-1 3/8	47,618.40	N/A		19.5	89.7	47,635.54	0.98787	47,057.72			
Close												
Difference		47,618.40					47,635.54					
Adjustments to GSV										47,057.72		
S-7		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	22:45	N/A	80.0	1.00041	0.93		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	14-4 3/4	2,280.06	N/A		19.4	94.3	2,280.99	0.98599	2,249.03			
Close												
Difference		2,280.06					2,280.99					
Adjustments to GSV										2,249.03		
S-8		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	22:50	N/A	80.0	1.00041	0.94		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	3-10	2,302.80	N/A		19.4	94.6	2,303.74	0.98587	2,271.19			
Close												
Difference		2,302.80					2,303.74					
Adjustments to GSV										2,271.19		
S-9		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	22:40	N/A	80.0	1.00041	1.56		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	22-5 7/8	3,798.79	N/A		19.4	94.6	3,800.35	0.98587	3,746.65			
Close												
Difference		3,798.79					3,800.35					
Adjustments to GSV										3,746.65		

Job #: PRPUE-22-00285-1

Date: 30-Nov-2022

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

Vessel(s):

Product(s): # 6 Fuel Oil

Client(s): Autoridad De Energia Electrica De Puerto Rico-SJ-TANKINVENTORY-11-22



BUREAU VERITAS

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			

N/A

Shore Delivered	Shore Delivered	Total Calculated	Gross Standard	Density
	Cubic Meters 15°C			API 60°F
	Barrels 60°F	139,845.13	139,845.13	Table 8 Lbs/Gal (In Air)
	Gallons 60°F	5,873,495.46	5,873,495.46	Table 11 LT/Bbl (In Air)
	Pounds			Table 13 MT/Bbl (In Air)
	Long Tons			Table 13 MT/Bbl (In Vac)
	MT (In Air)			Table 13 MT/Bbl (In Vac)
	Free Water			

Date/Time

Date/Time

R. Lugo
Reinaldo LUGO

Job #: PRPUE-22-00285-1

Date: 30-Nov-2022

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

Vessel(s):

Product(s): #2 Fuel Oil

Client(s): Autoridad De Energia Electrica De Puerto Rico-SJ-TANKINVENTORY-11-22

Shore Tanks Measurements



**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-2022	20:00	N/A	81.0	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	35-7	36,735.79	0-3 13/16	194.91	37.7	85.5	36,540.88	0.98789	36,098.37			
Close												
Difference		36,735.79		194.91			36,540.88					
Adjustments to GSV										36,098.37		

D-6		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	20:15	N/A	79.0	0.99999	-0.35		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	34-6 1/2	35,648.84	0-4 5/8	305.92	36.0	84.8	35,342.57	0.98840	34,932.60			
Close												
Difference		35,648.84		305.92			35,342.57					
Adjustments to GSV										34,932.60		

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			

Shore Delivered	Shore Delivered	Total Calculated	Gross Standard
	Cubic Meters 15°C		
	Barrels 60°F	71,531.80	71,030.97
	Gallons 60°F	3,004,335.60	2,983,300.74
	Pounds		
	Long Tons		
	MT (In Air)		
	Free Water	500.83	

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Density

API 60°F

Table 8 Lbs/Gal (In Air)

Table 11 LT/Bbl (In Air)

Table 13 MT/Bbl (In Air)

Table 13 MT/Bbl (In Vac)

Date/Time

Date/Time

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