



## Field Inspection Report

### Cargo Operation: Inventory

**Vessel(s)**

**Product(s)**

# 2 Fuel Oil/ Diesel  
# 6 Fuel Oil

**Client(s)**

Autoridad De Energia Electrica De Puerto Rico

**Reference #**

CS-TANKINVENTORY-2-23

**Location(s)**

Guayanilla | Prepa - Costa Sur

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](http://www.bureauveritas.com/terms_and_conditions/index.asp)

Victor REYES

Bureau Veritas Commodities and Trade, Inc

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V. Reyes

Job #: PRPUE-23-00042-1

Date: 28-Feb-2023

# Shore Tanks Measurements



Location(s): Guayanilla - Prepa - Costa Sur

Vessel(s):

Product(s): # 2 Fuel Oil/ Diesel

Client(s): Autoridad De Energia Electrica De Puerto Rico-CS-TANKINVENTORY-2-23

**BUREAU  
VERITAS**

LDS-1		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	28-Feb-2023	21:10	N/A	77.0	1.00027	1.35		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	29-3 7/16	5,016.62	0-1 7/8	26.71	38.5	82.3	4,991.26	0.98931	4,937.90			
Close												
Difference		5,016.62		26.71			4,991.26		4,937.90			
Adjustments to GSV									4,937.90			

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			
38.5				Full Before & After	Per Terminal	Kolor Kut
Shore Delivered	Shore Delivered	Total Calculated	Gross Standard			Density
	Cubic Meters 15°C	788.932	784.687			API 60°F
	Cubic Meters 60°F	789.310	785.063			38.5
	Liters 60°F	789,310	785,063			Table 8 Lbs/Gal (In Air)
	Barrels 60°F	4,964.61	4,937.90			6.930517629
	Gallons 60°F	208,513.62	207,391.80			Table 11 LT/Bbl (In Air)
	Kilograms	655,490	651,963			0.1299472056
	Pounds	1,445,107	1,437,333			Table 13 MT/Bbl (In Air)
	Short Tons	722.554	718.667			0.1320324565
	Long Tons	645.137	641.666			Table 13 MT/Bbl (In Vac)
MT (In Air)	655.490	651.963			0.1322033263	
MT (In Vac)	656.338	652.807				
	Free Water	26.71				

Date/Time

Date/Time

*V. Reyes*  
Victor REYES

Date/Time

28-Feb-2023

Job #: PRPUE-23-00042-1  
 Date: 28-Feb-2023

# Shore Tanks Measurements



Location(s): Guayanilla - Prepa - Costa Sur  
 Vessel(s):  
 Product(s): # 6 Fuel Oil  
 Client(s): Autoridad De Energia Electrica De Puerto Rico-CS-TANKINVENTORY-2-23

**BUREAU  
 VERITAS**

R-2	Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	28-Feb-2023	21:40	N/A	77.0	1.00030	84.36		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	6-8 1/4	281,191.42	N/A	0.00	21.0	85.0	281,275.78	0.98966	278,367.39
Close									
Difference		281,191.42		0.00			281,275.78		278,367.39

Adjustments to GSV

278,367.39

R-3	Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	28-Feb-2023	23:59	N/A	74.0	1.00030	69.81		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	14-1 3/4	232,685.03	N/A	0.00	20.9	85.7	232,754.84	0.98938	230,282.98
Close									
Difference		232,685.03		0.00			232,754.84		230,282.98

Adjustments to GSV

230,282.98

## 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			
20.9				Full Before & After	Per Terminal	N/A
Shore Delivered	Shore Delivered	Total Calculated	Gross Standard			Density
	Cubic Meters 15°C	80,835.804	80,835.804			API 60°F
	Cubic Meters 60°F	80,868.946	80,868.946			20.9
	Liters 60°F	80,868,946	80,868,946			Table 8 Lbs/Gal (In Air)
	Barrels 60°F	508,650.37	508,650.37			7.732048326
	Gallons 60°F	21,363,315.54	21,363,315.54			Table 11 LT/Bbl (In Air)
	Kilograms	74,925,380	74,925,380			0.1449759061
	Pounds	165,182,188	165,182,188			Table 13 MT/Bbl (In Air)
	Short Tons	82,591.094	82,591.094			0.1473023212
	Long Tons	73,742.048	73,742.048			Table 13 MT/Bbl (In Vac)
MT (In Air)	74,925.380	74,925.380			0.1474709021	
MT (In Vac)	75,011.129	75,011.129				
	Free Water	0.00				

Date/Time

Date/Time

*Victor Reyes*  
 Victor REYES

Date/Time  
 28-Feb-2023