



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 #

AG-TANKINVENTORY-11-22

Location(s)

Aguirre | Prepa - Aguirre

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

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Job #: PRPUE-22-00286-1

Date: 30-Nov-2022

Location(s): Aguirre - Prepa - Aguirre

Vessel(s):

Product(s): # 6 Fuel Oil

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

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-2022	19:15	N/A	79.0	1.00037	90.59		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	36-8 3/4	244,828.32	N/A		20.1	91.0	244,918.91	0.98727	241,801.09			
Close												
Difference		244,828.32					244,918.91					
Adjustments to GSV										241,801.09		

R-3		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	19:30	N/A	79.0	1.00035	87.90		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	37-7 3/8	251,151.55	N/A		19.7	89.7	251,239.45	0.98784	248,184.38			
Close												
Difference		251,151.55					251,239.45					
Adjustments to GSV										248,184.38		

S-1		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	79.0	1.00025	7.74		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	6-1 1/8	30,940.05	N/A		19.4	79.6	30,947.79	0.99201	30,700.52			
Close												
Difference		30,940.05					30,947.79					
Adjustments to GSV										30,700.52		

S-2		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	01-Dec-2022	00:01	N/A	78.0	1.00033	8.85		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	10-7 3/4	26,826.14	N/A		20.1	88.7	26,834.99	0.98821	26,518.61			
Close												
Difference		26,826.14					26,834.99					
Adjustments to GSV										26,518.61		

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	547,204.60	547,204.60	Table 8 Lbs/Gal (In Air)
	Gallons 60°F	22,982,593.20	22,982,593.20	Table 11 LT/Bbl (In Air)
	Pounds			Table 13 MT/Bbl (In Air)
	Long Tons			Table 13 MT/Bbl (In Vac)
	MT (In Air)			
	Free Water			

Date/Time

Date/Time

R. Lugo
Reinaldo LUGO

Date/Time

Bureau Veritas Commodities and Trade, Inc

Job #: PRPUE-22-00286-1

Date: 01-Dec-2022

Location(s): Aguirre - Prepa - Aguirre

Vessel(s):

Product(s): #2 Fuel Oil

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

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-2022	20:25	N/A	79.0	1.00025	2.15		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	9-10 1/4	8,683.59	0-2 1/2	72.70	40.0	80.1	8,613.04	0.99020	8,528.63			
Close												
Difference		8,683.59		72.70			8,613.04					
Adjustments to GSV										8,528.63		
R-2		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	20:40	N/A	79.0	1.00027	2.37		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	10-0 7/8	8,851.05	0-3 1/8	89.86	37.4	82.0	8,763.56	0.98959	8,672.33			
Close												
Difference		8,851.05		89.86			8,763.56					
Adjustments to GSV										8,672.33		
R-6		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	19:45	N/A	79.0	1.00026	2.34		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	1-7 1/2	8,998.67	0-0	0.00	36.7	80.9	9,001.01	0.99018	8,912.62			
Close												
Difference		8,998.67		0.00			9,001.01					
Adjustments to GSV										8,912.62		
D-1		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	23:50	N/A	78.0	1.00032	2.08		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	9-11 1/2	6,788.71	0-6	302.90	37.4	86.7	6,487.89	0.98736	6,405.88			
Close												
Difference		6,788.71		302.90			6,487.89					
Adjustments to GSV										6,405.88		
D-2		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	22:00	N/A	79.0	1.00031	2.63		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	13-2 1/16	9,201.26	0-9 1/2	706.50	36.7	85.3	8,497.39	0.98810	8,396.27			
Close												
Difference		9,201.26		706.50			8,497.39					
Adjustments to GSV										8,396.27		
D-4		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	79.0	1.00025	5.54		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	32-4	22,168.40	0-0	0.00	34.9	79.9	22,173.94	0.99078	21,969.50			
Close												
Difference		22,168.40		0.00			22,173.94					
Adjustments to GSV										21,969.50		
TG1		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	22:15	N/A	79.0	1.00030	3.08		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	29-4 7/8	10,330.71	0-1	51.40	38.3	84.7	10,282.39	0.98819	10,160.95			
Close												
Difference		10,330.71		51.40			10,282.39					
Adjustments to GSV										10,160.95		

R. Ruy

Job #: PRPUE-22-00286-1

Date: 01-Dec-2022

Location(s): Aguirre - Prepa - Aguirre

Vessel(s):

Product(s): #2 Fuel Oil

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

Shore Tanks Measurements



**BUREAU
VERITAS**

TG2		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2022	22:25	N/A	79.0	1.00030	0.68		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	13-9 3/16	2,356.60	0-7	92.79	39.2	84.2	2,264.49	0.98830	2,238.00			
Close												
Difference		2,356.60		92.79			2,264.49					
Adjustments to GSV										2,238.00		

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	KOLOR KUT
	Cubic Meters 15°C			Density
	Barrels 60°F	76,600.33	75,284.18	API 60°F
	Gallons 60°F	3,217,213.86	3,161,935.56	Table 8 Lbs/Gal (In Air)
	Pounds			Table 11 LT/Bbl (In Air)
	Long Tons			Table 13 MT/Bbl (In Air)
	MT (In Air)			
	Free Water	1,316.15		

Date/Time

Date/Time

R. LUGO
Reinaldo LUGO

Date/Time

Bureau Veritas Commodities and Trade, Inc