



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 #

AG-TANK INVENTORY-11-23

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

Victor REYES

Bureau Veritas Commodities and Trade, Inc

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V. Pung

Job #: PRPUE-23-00446-1

Date: 30-Nov-2023

Location(s): Aguirre - Prepa - Aguirre

Vessel(s):

Product(s): # 6 Fuel Oil

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

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 17:30	N/A	79.0	1.00030	19.48		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	64,929.85	N/A	0.00	19.8	85.0	64,949.33	0.98976	64,284.25
Close									
Difference		64,929.85		0.00			64,949.33		64,284.25
Adjustments to GSV									64,284.25

R-3	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 17:45	N/A	79.0	1.00055	143.75		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	39-1 5/8	261,363.10	N/A	0.00	19.0	107.7	261,506.85	0.98055	256,420.54
Close									
Difference		261,363.10		0.00			261,506.85		256,420.54
Adjustments to GSV									256,420.54

S-1	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 17:00	N/A	79.0	1.00026	7.14		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	9-11 1/2	27,473.08	N/A	0.00	19.4	81.7	27,480.22	0.99115	27,237.02
Close									
Difference		27,473.08		0.00			27,480.22		27,237.02
Adjustments to GSV									27,237.02

S-2	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 23:50	N/A	77.0	1.00060	15.98		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	10-10 1/4	26,639.25	N/A	0.00	18.6	112.6	26,655.23	0.97862	26,085.34
Close									
Difference		26,639.25		0.00			26,655.23		26,085.34
Adjustments to GSV									26,085.34

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			
19.1				Full Before & After	Per Terminal	N/A

Shore Delivered	Shore Delivered	Total Calculated	Gross Standard	Density
	Cubic Meters 15°C	59,441.194	59,441.194	API 60°F
	Cubic Meters 60°F	59,465.565	59,465.565	19.1
	Liters 60°F	59,465,565	59,465,565	Table 8 Lbs/Gal (In Air)
	Barrels 60°F	374,027.15	374,027.15	7.824582882
	Gallons 60°F	15,709,140.30	15,709,140.30	Table 11 LT/Bbl (In Air)
	Kilograms	55,754,427	55,754,427	0.1467109291
	Pounds	122,917,470	122,917,470	Table 13 MT/Bbl (In Air)
	Short Tons	61,458,735	61,458,735	0.1490651859
	Long Tons	54,873,871	54,873,871	Table 13 MT/Bbl (In Vac)
MT (In Air)	55,754,427	55,754,427	0.1492335025	
MT (In Vac)	55,817,382	55,817,382		
	Free Water	0.00		

Date/Time

Date/Time

V. Reyes
Victor REYES

Date/Time

Shore Tanks Measurements



**BUREAU
VERITAS**

D-1	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 18:25	N/A	79.0	1.00031	6.18		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	29-7 1/8	20,270.26	0-6 1/2	331.50	35.2	86.3	19,944.94	0.98778	19,701.21
Close									
Difference		20,270.26		331.50			19,944.94		19,701.21

Adjustments to GSV

19,701.21

D-2	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	01-Dec-2023 00:05	N/A	77.0	1.00032	5.46		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	25-7 5/8	17,754.48	0-9 1/2	706.50	37.6	87.4	17,053.44	0.98700	16,831.75
Close									
Difference		17,754.48		706.50			17,053.44		16,831.75

Adjustments to GSV

16,831.75

D-4	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	1.00032	3.69		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	16-10 1/2	11,564.60	0-0 1/2	28.56	34.9	86.9	11,539.73	0.98753	11,395.83
Close									
Difference		11,564.60		28.56			11,539.73		11,395.83

Adjustments to GSV

11,395.83

R-6	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 18:00	N/A	79.0	1.00027	9.80		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	5-8 1/4	36,300.96	Nil	0.00	36.3	82.4	36,310.76	0.98950	35,929.50
Close									
Difference		36,300.96		0.00			36,310.76		35,929.50

Adjustments to GSV

35,929.50

R-1	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 19:00	N/A	79.0	1.00029	2.47		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	9-9 1/4	8,608.91	0-2 5/8	78.94	36.2	84.1	8,532.44	0.98871	8,436.11
Close									
Difference		8,608.91		78.94			8,532.44		8,436.11

Adjustments to GSV

8,436.11

R-2	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 18:50	N/A	79.0	1.00029	1.69		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	5,883.35	0-2 1/2	60.97	37.0	83.6	5,824.07	0.98888	5,759.31
Close									
Difference		5,883.35		60.97			5,824.07		5,759.31

Adjustments to GSV

5,759.31

TG-1	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
		Open	30-Nov-2023 19:25	N/A	79.0	1.00031	3.20		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	Nil	0.00	38.3	85.4	10,333.91	0.98785	10,208.35
Close									
Difference		10,330.71		0.00			10,333.91		10,208.35

Adjustments to GSV

10,208.35

V. Ray

Job #: PRPUE-23-00446-1

Date: 30-Nov-2023

Location(s): Aguirre - Prepa - Aguirre

Vessel(s):

Product(s): #2 Fuel Oil/ Diesel

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

Shore Tanks Measurements



**BUREAU
VERITAS**

TG-2		Crit Zone	Phase	Date/Time		Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
			Open	30-Nov-2023	19:45	N/A	79.0	1.00031	1.65		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	33-0 3/8	5,668.14	0-6	342.41	39.2	85.8	5,327.38	0.98753	5,260.95			
Close												
Difference		5,668.14		342.41			5,327.38		5,260.95			
Adjustments to GSV									5,260.95			

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			
36.5				Full Before & After	Per Terminal	Kolor Kut
Shore Delivered	Shore Delivered	Total Calculated	Gross Standard			
	Cubic Meters 15°C	18,286.374	18,040.237	Density		
	Cubic Meters 60°F	18,294.969	18,048.716	API 60°F		
	Liters 60°F	18,294,969	18,048,716	36.5		
	Barrels 60°F	115,071.89	113,523.01	Table 8 Lbs/Gal (In Air)		
	Gallons 60°F	4,833,019.38	4,767,966.42	7.013142952		
	Kilograms	15,374,357	15,167,417	Table 11 LT/Bbl (In Air)		
	Pounds	33,894,656	33,438,430	0.1314964304		
	Short Tons	16,947.328	16,719.215	Table 13 MT/Bbl (In Air)		
	Long Tons	15,131.543	14,927.871	0.1336065416		
MT (In Air)	15,374.357	15,167.417	Table 13 MT/Bbl (In Vac)			
MT (In Vac)	15,393.992	15,186.788	0.1337771754			
Free Water		1,548.88				

Date/Time

Date/Time

V. Reyes
Victor REYES

Date/Time

30-Nov-2023