



**BUREAU**  
**VERITAS**

## Field Inspection Report

### Cargo Operation: Inventory

**Vessel(s)**

**Product(s)**

# 6 Fuel Oil  
ULSD

**Client(s)**

Autoridad De Energia Electrica De Puerto Rico

**Reference #**

PS-TANK-INV-2-29-24

**Location(s)**

GeneraPR - Palo Seco

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. P. Reyes*



BUREAU VERITAS

Job #: PRPUE-24-00070-1

Date: 01-Mar-2024

Location(s): GeneraPR - Palo Seco

Vessel(s):

Product(s): # 6 Fuel Oil

Client(s): Autoridad De Energia Electrica De Puerto Rico-PS-TANK-INV-2-29-24

# Shore Tanks Measurements

R-1	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 22:25	N/A	75.0	1.00027	12.21		6B-60°F	
Vol:		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	18-7 1/8	45213.85	N/A	0.00	18.3	83.5	45226.06	0.99050	44796.41
Close									
Difference		45213.85		0.00			45226.06		44796.41

Adjustments to GSV

R-2	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 23:15	N/A	75.0	1.00029	24.88		6B-60°F	
Vol:		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	5-5	85780.60	N/A	0.00	18.5	84.6	85805.48	0.99004	84950.86
Close									
Difference		85780.60		0.00			85805.48		84950.86

Adjustments to GSV

R-4	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 23:00	N/A	75.0	1.00026	6.28		6B-60°F	
Vol:		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	37-3 7/8	24142.40	N/A	0.00	18.5	81.3	24148.68	0.99138	23940.52
Close									
Difference		24142.40		0.00			24148.68		23940.52

Adjustments to GSV

S-1	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 22:30	N/A	75.0	1.00032	1.31		6B-60°F	
Vol:		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	8-4 5/8	4108.38	N/A	0.00	18.5	87.4	4109.69	0.98890	4064.07
Close									
Difference		4108.38		0.00			4109.69		4064.07

Adjustments to GSV

S-3	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 22:35	N/A	75.0	1.00025	1.98		6B-60°F	
Vol:		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 3/4	7934.67	N/A	0.00	18.5	81.1	7936.65	0.99146	7868.87
Close									
Difference		7934.67		0.00			7936.65		7868.87

Adjustments to GSV

S-4	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 22:45	N/A	75.0	1.00025	1.99		6B-60°F	
Vol:		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	9-2 3/8	7967.32	N/A	0.00	18.5	80.9	7969.31	0.99154	7901.89
Close									
Difference		7967.32		0.00			7969.31		7901.89

Adjustments to GSV

V. Reyes

Job #: PRPUE-24-00070-1  
 Date: 01-Mar-2024  
 Location(s): GeneraPR - Palo Seco  
 Vessel(s):  
 Product(s): # 6 Fuel Oil  
 Client(s): Autoridad De Energia Electrica De Puerto Rico-PS-TANK-INV-2-29-24

# Shore Tanks Measurements



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## 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			
18.5				Full Before & After	Per Terminal	N/A
<b>Shore Delivered</b>	<b>Shore Delivered</b>	<b>Total Calculated</b>	<b>Gross Standard</b>			<b>Density</b>
	Cubic Meters 15°C	27,576.861	27,576.861			<b>API 60°F</b>
	Cubic Meters 60°F	27,587.892	27,587.892			18.5
	Liters 60°F	27,587.892	27,587.892			<b>Table 8 Lbs/Gal (In Air)</b>
	Barrels 60°F	173,522.62	173,522.62			7.855921252
	Gallons 60°F	7,287,950.04	7,287,950.04			<b>Table 11 LT/Bbl (In Air)</b>
	Kilograms	25,969,779	25,969,779			0.1472985235
	Pounds	57,253,562	57,253,562			<b>Table 13 MT/Bbl (In Air)</b>
	Short Tons	28,626.781	28,626.781			0.1496622094
	Long Tons	25,559.626	25,559.626			<b>Table 13 MT/Bbl (In Vac)</b>
	MT (In Air)	25,969.779	25,969.779			0.1498304365
MT (In Vac)	25,998.970	25,998.970				
	<b>Free Water</b>	<b>0.00</b>				

Date/Time

Date/Time

*V. Reyes*

Date/Time

Victor REYES



# Shore Tanks Measurements

Job #: PRPUE-24-00070-1  
 Date: 29-Feb-2024  
 Location(s): GeneraPR - Palo Seco  
 Vessel(s):  
 Product(s): ULSD

Client(s): Autoridad De Energia Electrica De Puerto Rico-PS-TANK-INV-2-29-24

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D-1	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 22:15	N/A	75.0	1.00022	0.47		6B-60°F	
Vol:		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	28-7 5/8	2136.91	0-0	0.00	36.0	78.5	2137.38	0.99136	2118.91
Close									
Difference		2136.91		0.00			2137.38		2118.91
Adjustments to GSV									2118.91

D-2	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	29-Feb-2024 22:05	N/A	75.0	1.00024	0.43		6B-60°F	
Vol:		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	29-8 3/8	1772.89	0-0	0.00	34.6	79.9	1773.32	0.99080	1757.01
Close									
Difference		1772.89		0.00			1773.32		1757.01
Adjustments to GSV									1757.01

D-3	Crit Zone	Phase	Date/Time	Roof Adj	Amb °F	CTSh Factor	CTSh Bbls	Lines Adj	VCF Table	CoE
API:		Open	01-Mar-2024 00:05	N/A	75.0	1.00022	3.20		6B-60°F	
Vol:		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	7-10 7/8	14593.85	0-1	44.42	35.4	78.8	14552.63	0.99126	14425.44
Close									
Difference		14593.85		44.42			14552.63		14425.44
Adjustments to GSV									14425.44

## 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			
35.4				Full Before & After	Per Terminal	Kolor Kut

Shore Delivered	Shore Delivered	Total Calculated	Gross Standard	Density
	Cubic Meters 15°C	2,915.404	2,908.347	API 60°F 35.4 Table 8 Lbs/Gal (In Air) 7.059430955 Table 11 LT/Bbl (In Air) 0.1323643304 Table 13 MT/Bbl (In Air) 0.1344883687 Table 13 MT/Bbl (In Vac) 0.1346588704
	Cubic Meters 60°F	2,916.746	2,909.684	
	Liters 60°F	2,916.746	2,909.684	
	Barrels 60°F	18,345.78	18,301.36	
	Gallons 60°F	770,522.76	768,657.12	
	Kilograms	2,467,294	2,461,320	
	Pounds	5,439,452	5,426,282	
	Short Tons	2,719,726	2,713,141	
	Long Tons	2,428,327	2,422,447	
	MT (In Air)	2,467,294	2,461,320	
	MT (In Vac)	2,470,422	2,464,440	
Free Water	44.42			

Date/Time

Date/Time

*V. Reyes*  
Victor REYES

Date/Time

29-Feb-2024