

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY  
P.O. BOX 4267  
00936 SAN JUAN  
Puerto Rico  
Mr. M. Rios  
CS-TANK INVENTORY-2-22 / 06070



Job No 13101/00016546.0000/01/I/22  
Report date 03 Mar 2022  
Installation Penuelas, Puerto Rico, Central Costa Sur

**Shore tank CS-TANK INVENTORY-2-22**

**Product No 2 FUEL OIL, Fuel Oil**

Survey date: 28-Feb-2022, 28-Feb-2022

**Contents page**

Saybolt LP - Puerto Rico Branch has performed a survey of the above mentioned object, the findings of the survey are reflected in the following reports:

| <b>Title</b>                   | <b>Number of Pages</b> |
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| Shore Tank Measurement Details | three                  |
| Shore Tank Inventory Report    | two                    |
| Shore Tank Inventory Subtotals | two                    |
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This report consists of 10 pages.

A copy of this report and all field documents and related correspondence will be retained for a period of 10 years, unless local law requires otherwise

Handled by: Jose Flores

*This report reflects only the findings at the time and place of the inspection and testing. This report is not a guarantee or policy of insurance with respect to the goods or the contractual performance of any party. Any person relying upon this report should be aware that issuer's activities are carried out under their general terms and conditions.*

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**Shore tank CS-TANK INVENTORY-2-22**  
**Product Fuel Oil**

**Shore Tank Measurement Details**

Survey date: 28-Feb-2022

**Shore tank R-2**

| Measurement data (Innage)                  |       | Open                            | Close |
|--|-------|---------------------------------|-------|
| Average                                    | FT/IN | 5-7 1/8                         |       |
| Temperature                                |       |                                 |       |
| Average temp.                              | °F    | 98.9                            |       |
| Measurement Equipment Data                 |       |                                 |       |
| Water measurement used                     |       | Open                            |       |
| Water paste used                           |       | Paste                           |       |
| Gauging equipment type                     |       | k/k                             |       |
| Gauging Equipment used                     |       | Saybolt Equipment               |       |
| Gauging equipment number                   |       | Manual Tape                     |       |
| Temperature equipment type                 |       | CS-51067                        |       |
| Temperature Equipment used                 |       | Saybolt Equipment               |       |
| Temperature equipment number               |       | Portable Electronic Thermometer |       |
| Inspector Equipment used for verification? |       | TP9-9773                        |       |
| Inspector name                             |       | Yes                             |       |
|  |       | Jvelasquez                      |       |

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**Shore tank CS-TANK INVENTORY-2-22**  
**Product Fuel Oil**

**Shore Tank Measurement Details**

Survey date: 28-Feb-2022

**Shore tank R-3**

| Measurement data (Innage)                  |       | Open                            | Close |
|--|-------|---------------------------------|-------|
| Average                                    | FT/IN | 18-0 1/4                        |       |
| Temperature                                |       |                                 |       |
| Average temp.                              | °F    | 93.8                            |       |
| Measurement Equipment Data                 |       |                                 |       |
| Water measurement used                     |       | Open                            |       |
| Water paste used                           |       | Paste                           |       |
| Gauging equipment type                     |       | k/k                             |       |
| Gauging Equipment used                     |       | Saybolt Equipment               |       |
| Gauging equipment number                   |       | Manual Tape                     |       |
| Temperature equipment type                 |       | CS-51067                        |       |
| Temperature Equipment used                 |       | Saybolt Equipment               |       |
| Temperature equipment number               |       | Portable Electronic Thermometer |       |
| Inspector Equipment used for verification? |       | TP9-9773                        |       |
| Inspector name                             |       | Yes                             |       |
|  |       | Jvelasquez                      |       |

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**Shore tank CS-TANK INVENTORY-2-22**  
**Product No 2 FUEL OIL**

Survey date: 28-Feb-2022

## Shore Tank Measurement Details

### Shore tank TG-1 (LDS)

| Measurement data (Innage)                  |       | Open                            | Close |
|--|-------|---------------------------------|-------|
| Average                                    | FT/IN | 18-5 1/2                        |       |
| Temperature                                |       |                                 |       |
| Average temp.                              | °F    | 81.8                            |       |
| Measurement Equipment Data                 |       |                                 |       |
| Water measurement used                     |       | Paste                           |       |
| Water paste used                           |       | k/k                             |       |
| Gauging equipment type                     |       | Saybolt Equipment               |       |
| Gauging Equipment used                     |       | Manual Tape                     |       |
| Gauging equipment number                   |       | CS-51067                        |       |
| Temperature equipment type                 |       | Saybolt Equipment               |       |
| Temperature Equipment used                 |       | Portable Electronic Thermometer |       |
| Temperature equipment number               |       | TP9-9773                        |       |
| Inspector Equipment used for verification? |       | Yes                             |       |
| Inspector name                             |       | Jvelasquez                      |       |

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**Shore tank CS-TANK INVENTORY-2-22**  
**Product Fuel Oil**

**Shore Tank Inventory Report**

Survey date: 28-Feb-2022

| Shore tank measurement   |                  | Totals       | R-2        | R-3               |
|--------------------------|------------------|--------------|------------|-------------------|
| <b>Open measurement</b>  |                  |              |            |                   |
| Date/time of measurement |                  | 28 Feb 2022  | 21:15      | 28 Feb 2022 11:59 |
| Average Innage           | FT/IN            |              | 5-7 1/8    | 18-0 1/4          |
| Average temp.            | °F               |              | 98.9       | 93.8              |
| T.O.V.                   | Barrels          | 288,545.21   |            | 206,645.93        |
| Ambient temp.            | °F               |              | 79.00      | 72.00             |
| Tank shell temp.         | °F               |              | 96.00      | 91.00             |
| CTsh                     |                  |              | 1.00045    | 1.00038           |
| G.O.V.                   | Barrels          | 288,675.06   |            | 206,724.46        |
| API 60°F                 |                  |              | 17.30      | 18.40             |
| V.C.F.                   | 6B               |              | 0.98439    | 0.98631           |
| G.S.V.                   | barrels 60°F     | 284,168.84   |            | 203,894.40        |
| W.C.F.                   | MPMS 11.5.1.4.12 | 0.1484879284 |            | 0.1473969132      |
| W.C.F.                   | MPMS 11.5.1.4.15 | 0.1508707005 |            | 0.1497621780      |
| Long Tons                |                  | 42,195.642   |            | 30,053.405        |
| Metric Tons Air          |                  | 42,872.752   |            | 30,535.669        |
| <b>Subtotals</b>         |                  |              |            |                   |
| G.S.V.                   | barrels 60°F     | 488,063.24   | 284,168.84 | 203,894.40        |
| Long Tons                |                  | 72,249.047   | 42,195.642 | 30,053.405        |

**Remarks**

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via S&W% (API MPMS 12.1)

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 Installation Penuelas, Puerto Rico, Central Costa Sur

**Shore tank CS-TANK INVENTORY-2-22**  
**Product No 2 FUEL OIL**

**Shore Tank Inventory Report**

Survey date: 28-Feb-2022

| Shore tank measurement   |                  | Totals      | TG-1 (LDS)   |
|--------------------------|------------------|-------------|--------------|
| <b>Open measurement</b>  |                  |             |              |
| Date/time of measurement |                  | 28 Feb 2022 | 22:00        |
| Average Innage           | FT/IN            |             | 18-5 1/2     |
| Average temp.            | °F               |             | 81.8         |
| T.O.V.                   | Barrels          |             | 3,160.81     |
| Ambient temp.            | °F               |             | 79.00        |
| Tank shell temp.         | °F               |             | 81.00        |
| CTsh                     |                  |             | 1.00026      |
| G.O.V.                   | Barrels          |             | 3,161.63     |
| API 60°F                 |                  |             | 39.80        |
| V.C.F.                   | 6B               |             | 0.98939      |
| G.S.V.                   | barrels 60°F     |             | 3,128.09     |
| W.C.F.                   | MPMS 11.5.1.4.12 |             | 0.1289596087 |
| W.C.F.                   | MPMS 11.5.1.4.15 |             | 0.1310290117 |
| Long Tons                |                  |             | 403.397      |
| Metric Tons Air          |                  |             | 409.871      |
| <b>Subtotals</b>         |                  |             |              |
| G.S.V.                   | barrels 60°F     | 3,128.09    | 3,128.09     |
| Long Tons                |                  | 403.397     | 403.397      |

**Remarks**

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via S&W% (API MPMS 12.1)

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**Shore tank CS-TANK INVENTORY-2-22**  
**Product Fuel Oil**

**Shore Tank Inventory Subtotals**

| Shore tank Subtotals           | Totals         | R-2           | R-3           |
|--------------------------------|----------------|---------------|---------------|
| <b>Gross Standard Volume</b>   |                |               |               |
| Cu m 60°F                      | 77,595.859     | 45,179.238    | 32,416.621    |
| Barrels 60°F                   | 488,063.24     | 284,168.84    | 203,894.40    |
| US gallons 60°F                | 20,498,656.08  | 11,935,091.28 | 8,563,564.80  |
| Metric Tons Vac                | 73,490.434     | 42,920.483    | 30,569.951    |
| Metric Tons Air                | 73,408.421     | 42,872.752    | 30,535.669    |
| Long Tons Air                  | 72,249.047     | 42,195.642    | 30,053.405    |
| Short Tons Air                 | 80,918.933     | 47,259.119    | 33,659.814    |
| Pounds Air                     | 161,837,866.00 | 94,518,238.00 | 67,319,628.00 |
|                                |                |               |               |
| Density 15°C                   |                | 0.9504        | 0.9434        |
| API 60°F                       |                | 17.30         | 18.40         |
| RD 60/60°                      |                | 0.9509        | 0.9440        |
| <b>Total Calculated Volume</b> |                |               |               |
| Barrels 60°F                   | 488,063.24     | 284,168.84    | 203,894.40    |
| US gallons 60°F                | 20,498,656.08  | 11,935,091.28 | 8,563,564.80  |

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**Shore tank CS-TANK INVENTORY-2-22**  
**Product No 2 FUEL OIL**

**Shore Tank Inventory Subtotals**

| Shore tank Subtotals           | Totals     | TG-1 (LDS) |
|--------------------------------|------------|------------|
| <b>Gross Standard Volume</b>   |            |            |
| Cu m 60°F                      | 497.327    | 497.327    |
| Barrels 60°F                   | 3,128.09   | 3,128.09   |
| US gallons 60°F                | 131,379.78 | 131,379.78 |
| Metric Tons Vac                | 410.406    | 410.406    |
| Metric Tons Air                | 409.871    | 409.871    |
| Long Tons Air                  | 403.397    | 403.397    |
| Short Tons Air                 | 451.805    | 451.805    |
| Pounds Air                     | 903,610.00 | 903,610.00 |
| Density 15°C                   |            | 0.8256     |
| API 60°F                       |            | 39.80      |
| RD 60/60°                      |            | 0.8260     |
| <b>Total Calculated Volume</b> |            |            |
| Barrels 60°F                   | 3,128.09   | 3,128.09   |
| US gallons 60°F                | 131,379.78 | 131,379.78 |



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**Shore tank CS-TANK INVENTORY-2-22**  
**Product No 2 FUEL OIL**

Survey date: 28 Feb 2022

**Certificate of Quantity**

The undersigned Independent Saybolt Surveyor herewith declares that the quantity of product measured amounts to:

|                   | Gross      | Net        |
|-------------------|------------|------------|
| Cubic meters 60°F | 497.327    | 497.327    |
| Barrels 60°F      | 3,128.09   | 3,128.09   |
| US Gallons 60°F   | 131,379.78 | 131,379.78 |
| Metric Tons vac   | 410.406    | 410.406    |
| Metric Tons air   | 409.871    | 409.871    |
| Long Tons         | 403.397    | 403.397    |
| Short Tons        | 451.805    | 451.805    |
| Pounds            | 903,610.00 | 903,610.00 |

These quantities have been determined by measurement of shore tanks.

|                  |        |
|------------------|--------|
| B/L API 60°F     | 39.80  |
| B/L Density 15°C | 0.8256 |
| B/L Density 20°C | 0.8220 |
| B/L RD 60/60°F   | 0.8260 |

**Criteria used**

|                                    |                     |              |
|------------------------------------|---------------------|--------------|
| US Barrels 60°F to Cu m 60°F       | MPMS 11.5 - Annex D | 0.158987304  |
| US Barrels 60°F to US Gallons 60°F | MPMS 11.5 - Annex D | 42           |
| Metric Tons Air to Metric Tons Vac | MPMS 11.5.3 - 4.5   | 1.001304545  |
| Barrels 60°F to Metric Tons Air    | MPMS 11.5.1 - 4.15  | 0.1310290117 |
| Barrels 60°F to Long Tons          | MPMS 11.5.1 - 4.12  | 0.1289596087 |
| Long Tons to Short Tons            | MPMS 11.5 - Annex D | 1.12         |

**Remark**

Net via S&W Volume %

Signed by: Saybolt representative  
Name:  
Rank: Saybolt Inspector

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**Product Fuel Oil**  
Survey date: 28 Feb 2022

**Certificate of Quantity**

The undersigned Independent Saybolt Surveyor herewith declares that the quantity of product measured amounts to:

|                   | Gross          | Net            |
|-------------------|----------------|----------------|
| Cubic meters 60°F | 77,595.859     | 77,595.859     |
| Barrels 60°F      | 488,063.24     | 488,063.24     |
| US Gallons 60°F   | 20,498,656.08  | 20,498,656.08  |
| Metric Tons vac   | 73,490.434     | 73,490.434     |
| Metric Tons air   | 73,408.421     | 73,408.421     |
| Long Tons         | 72,249.047     | 72,249.047     |
| Short Tons        | 80,918.933     | 80,918.933     |
| Pounds            | 161,837,866.00 | 161,837,866.00 |

These quantities have been determined by measurement of shore tanks.

|                  |        |
|------------------|--------|
| B/L API 60°F     | 17.76  |
| B/L Density 15°C | 0.9475 |
| B/L Density 20°C | 0.9441 |
| B/L RD 60/60°F   | 0.9480 |

**Criteria used**

|                                    |                     |              |
|------------------------------------|---------------------|--------------|
| US Barrels 60°F to Cu m 60°F       | MPMS 11.5 - Annex D | 0.158987304  |
| US Barrels 60°F to US Gallons 60°F | MPMS 11.5 - Annex D | 42           |
| Metric Tons Air to Metric Tons Vac | MPMS 11.5.3 - 4.5   | 1.001117186  |
| Barrels 60°F to Metric Tons Air    | MPMS 11.5.1 - 4.15  | 0.1504051489 |
| Barrels 60°F to Long Tons          | MPMS 11.5.1 - 4.12  | 0.1480297294 |
| Long Tons to Short Tons            | MPMS 11.5 - Annex D | 1.12         |

**Remark**

Net via S&W Volume %

Signed by: Saybolt representative  
Name:  
Rank: Saybolt Inspector