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Vasco  
7460

Date:  
07 February 2020

Enquiries:  
021 573 6162

Ref: ANK/2020/02

Dear Ian

## ANKERLIG POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF JANUARY 2020

This serves as the monthly report required in terms of Section 9 in Ankerlig Power Station's Atmospheric Emission License (WCCT036). The emissions are for the month of January, these being SO<sub>2</sub>, CO<sub>2</sub>, PM and NO<sub>x</sub> (as NO<sub>2</sub>).

### 1 Raw Materials and Products

Table 1. Quantity of Raw Materials and Products used/produced for the month of January 2020

| Raw Materials and Products used | Raw Material Type   | Unit           | Maximum Permitted Consumption/ Rate (Quantity)   | Total consumption in Month of January               |
|---------------------------------|---|----------------|--|---|
|                                 | Fuel Diesel   | Tons/hour/unit | 40   | 37 672 166. 86L                                     |
| Production Rates                | Product/ By-Product Name  | Unit           | Maximum Production Capacity Permitted per unit (MW)  | Total production/Power sent out in Month of January |
|                                 | Energy  | MWh            | 170 MW per hour per unit   | 119 273.52 MW/h                                     |
|                                 | Fuel use per hour per unit (L)  |                | Fuel efficiency Litres per MWH   |   |
|                                 | <i>Unit 11: 35 078.69</i><br><i>Unit 12: 34 444.74</i><br><i>Unit 21: 33 727.54</i><br><i>Unit 22: 30 670.50</i><br><i>Unit 31: 32 824.16</i><br><i>Unit 32: 33 370.30</i><br><i>Unit 41: 31 774.28</i><br><i>Unit 42: 36 412.37</i><br><i>Unit 43: 34 420.43</i> |                | <i>Unit 11: 317.13</i><br><i>Unit 12: 322.68</i><br><i>Unit 21: 315.16</i><br><i>Unit 22: 320.31</i><br><i>Unit 31: 318.14</i><br><i>Unit 32: 319.82</i><br><i>Unit 41: 306.59</i><br><i>Unit 42: 311.19</i><br><i>Unit 43: 313.43</i> |   |

## 2 Abatement Technology

Table 2. Abatement Equipment Control Technology availability for the month of January

| Associated Unit | Technology Type | Actual Utilisation (%) for the month of January |
|-----------------|-----------------|---|
| Unit 11         | Low NOx burners | 100%  |
| Unit 12         | Low NOx burners | 100%  |
| Unit 21         | Low NOx burners | 100%  |
| Unit 22         | Low NOx burners | 100%  |
| Unit 31         | Low NOx burners | 100%  |
| Unit 32         | Low NOx burners | 100%  |
| Unit 41         | Low NOx burners | 100%  |
| Unit 42         | Low NOx burners | 100%  |
| Unit 43         | Low NOx burners | 100%  |

Table 3: Tonnages and mg/Nm<sup>3</sup> for the month of January

|   | Date & time      | CO (mg/Nm <sup>3</sup> ) | NO <sub>x</sub> (mg/Nm <sup>3</sup> ) | PM (mg/Nm <sup>3</sup> ) | SO <sub>2</sub> (mg/Nm <sup>3</sup> ) |
|---|------------------|--------------------------|---------------------------------------|--------------------------|---------------------------------------|
| <b>Hourly Licence Limit mg/Nm<sup>3</sup></b> |                  |                          | 250                                   | 75                       | 3500                                  |
| <b>Unit 11</b>                                | 2020/01/30 23:00 | 39.2                     | 121                                   | 0                        | 45.8                                  |
|   | 2020/01/30 22:00 | 42.2                     | 125                                   | 0                        | 46.8                                  |
|   | 2020/01/30 21:00 | 44.8                     | 141                                   | 0                        | 46.9                                  |
|   | 2020/01/30 20:00 | 43.8                     | 174                                   | 0                        | 45.1                                  |
|   | 2020/01/30 19:00 | 42.9                     | 178                                   | 0                        | 45.4                                  |
|   | 2020/01/30 18:00 | 41.3                     | 179                                   | 0                        | 45.2                                  |
|   | 2020/01/30 17:00 | 40.1                     | 180                                   | 0                        | 45.2                                  |
|   | 2020/01/30 16:00 | 37.4                     | 186                                   | 0                        | 44.5                                  |
|   | 2020/01/30 15:00 | 35.7                     | 187                                   | 0                        | 44.5                                  |
|   | 2020/01/30 14:00 | 34.8                     | 182                                   | 0                        | 44.6                                  |
|   | 2020/01/30 13:00 | 34                       | 177                                   | 0                        | 44.8                                  |
|   | 2020/01/30 12:00 | 32                       | 166                                   | 0                        | 44.6                                  |
|   | 2020/01/30 11:00 | 29.7                     | 172                                   | 0                        | 44.1                                  |
|   | 2020/01/30 10:00 | 29.7                     | 155                                   | 0                        | 45.6                                  |
|   | 2020/01/30 09:00 | 29.7                     | 154                                   | 0                        | 44.6                                  |
|   | 2020/01/30 08:00 | 30.6                     | 125                                   | 0                        | 47.6                                  |
|   | 2020/01/30 07:00 | 30.7                     | 129                                   | 0                        | 47.6                                  |
|   | 2020/01/30 06:00 | 30.4                     | 135                                   | 0                        | 46.7                                  |
|   | 2020/01/30 05:00 | 30.3                     | 143                                   | 0                        | 45.6                                  |
|   | 2020/01/30 04:00 | 31.3                     | 135                                   | 0                        | 46.5                                  |
|   | 2020/01/30 03:00 | 31.3                     | 138                                   | 0                        | 46.3                                  |
|   | 2020/01/30 02:00 | 31.5                     | 139                                   | 0                        | 46.6                                  |
|   | 2020/01/30 01:00 | 30.8                     | 164                                   | 0                        | 45.4                                  |
|   | 2020/01/30 00:00 | 31.4                     | 165                                   | 0                        | 45.6                                  |
|   | 2020/01/29 23:00 | 32.2                     | 166                                   | 0                        | 46                                    |
|   | 2020/01/29 22:00 | 32.8                     | 167                                   | 0                        | 46.9                                  |
|   | 2020/01/29 21:00 | 32.9                     | 168                                   | 0                        | 46.7                                  |
|   | 2020/01/29 20:00 | 34                       | 171                                   | 0                        | 47.7                                  |
|   | 2020/01/29 19:00 | 32.8                     | 165                                   | 0                        | 46.1                                  |

|  |                  |      |     |   |      |
|--|------------------|------|-----|---|------|
|  | 2020/01/29 18:00 | 32.4 | 166 | 0 | 45.7 |
|  | 2020/01/29 17:00 | 32.1 | 165 | 0 | 45.6 |
|  | 2020/01/29 16:00 | 30.8 | 163 | 0 | 45.3 |
|  | 2020/01/29 15:00 | 29.5 | 161 | 0 | 45.4 |
|  | 2020/01/29 14:00 | 28.3 | 159 | 0 | 45.7 |
|  | 2020/01/29 13:00 | 28.1 | 157 | 0 | 45.6 |
|  | 2020/01/27 23:00 | 28.8 | 150 | 0 | 43.7 |
|  | 2020/01/27 22:00 | 29.4 | 164 | 0 | 42.7 |
|  | 2020/01/27 21:00 | 31   | 165 | 0 | 43.5 |
|  | 2020/01/27 20:00 | 31.3 | 167 | 0 | 43.1 |
|  | 2020/01/27 19:00 | 31.1 | 168 | 0 | 43.4 |
|  | 2020/01/27 18:00 | 30.7 | 168 | 0 | 43.2 |
|  | 2020/01/23 21:00 | 43.6 | 137 | 0 | 36.6 |
|  | 2020/01/23 20:00 | 45.4 | 144 | 0 | 36.9 |
|  | 2020/01/23 08:00 | 30   | 129 | 0 | 36   |
|  | 2020/01/23 07:00 | 29.9 | 126 | 0 | 36   |
|  | 2020/01/23 06:00 | 28.6 | 149 | 0 | 34.1 |
|  | 2020/01/23 00:00 | 31   | 142 | 0 | 35   |
|  | 2020/01/22 23:00 | 33.5 | 131 | 0 | 36.5 |
|  | 2020/01/22 22:00 | 35.2 | 153 | 0 | 36.1 |
|  | 2020/01/22 21:00 | 37.4 | 176 | 0 | 35.7 |
|  | 2020/01/22 20:00 | 39.2 | 178 | 0 | 36   |
|  | 2020/01/22 19:00 | 37.6 | 177 | 0 | 35.5 |
|  | 2020/01/22 18:00 | 34.4 | 174 | 0 | 34.6 |
|  | 2020/01/22 17:00 | 30.1 | 169 | 0 | 33.7 |
|  | 2020/01/22 16:00 | 28.3 | 166 | 0 | 34.6 |
|  | 2020/01/08 20:00 | 19.2 | 135 | 0 | 24.3 |
|  | 2020/01/08 19:00 | 19.9 | 122 | 0 | 24.8 |
|  | 2020/01/08 18:00 | 20.2 | 136 | 0 | 23.9 |
|  | 2020/01/08 17:00 | 20.4 | 131 | 0 | 24   |
|  | 2020/01/08 16:00 | 20.3 | 125 | 0 | 24.5 |
|  | 2020/01/08 15:00 | 18.8 | 142 | 0 | 23.9 |
|  | 2020/01/08 14:00 | 17.9 | 129 | 0 | 24.7 |
|  | 2020/01/08 00:00 | 23.9 | 117 | 0 | 25.6 |
|  | 2020/01/07 23:00 | 24.9 | 142 | 0 | 24.9 |
|  | 2020/01/07 22:00 | 27   | 150 | 0 | 25.5 |
|  | 2020/01/07 21:00 | 29.7 | 161 | 0 | 26.1 |
|  | 2020/01/07 20:00 | 31.7 | 156 | 0 | 27.1 |
|  | 2020/01/07 19:00 | 31.8 | 141 | 0 | 28.2 |
|  | 2020/01/07 18:00 | 28.6 | 151 | 0 | 27.4 |
|  | 2020/01/07 17:00 | 26.1 | 155 | 0 | 27   |
|  | 2020/01/07 16:00 | 24.5 | 155 | 0 | 26.9 |
|  | 2020/01/07 15:00 | 23.1 | 155 | 0 | 26.8 |
|  | 2020/01/07 14:00 | 22.4 | 138 | 0 | 27.8 |
|  | 2020/01/07 13:00 | 19.2 | 149 | 0 | 26.9 |
|  | 2020/01/07 12:00 | 17.1 | 159 | 0 | 26.9 |
|  | 2020/01/07 11:00 | 16.2 | 163 | 0 | 27   |
|  | 2020/01/04 23:00 | 20.2 | 120 | 0 | 25.6 |
|  | 2020/01/04 22:00 | 19.7 | 153 | 0 | 23.7 |
|  | 2020/01/04 21:00 | 21.4 | 157 | 0 | 24.4 |
|  | 2020/01/04 20:00 | 24.2 | 145 | 0 | 25.7 |

|                |                  |      |     |   |      |
|----------------|------------------|------|-----|---|------|
|                | 2020/01/04 19:00 | 23.1 | 145 | 0 | 24.8 |
|                | 2020/01/04 18:00 | 21.7 | 138 | 0 | 24.7 |
|                | 2020/01/04 17:00 | 20.2 | 155 | 0 | 24.5 |
|                | 2020/01/04 16:00 | 17.7 | 158 | 0 | 23.5 |
|                | 2020/01/04 15:00 | 16.5 | 160 | 0 | 24   |
|                |                  |      |     |   |      |
|                |                  |      |     |   |      |
| <b>Unit 12</b> | 2020/01/30 23:00 | 7.7  | 92  | 0 | 0.1  |
|                | 2020/01/30 22:00 | 8.3  | 94  | 0 | 0.5  |
|                | 2020/01/30 21:00 | 8.3  | 99  | 0 | 0.1  |
|                | 2020/01/30 20:00 | 8.8  | 122 | 0 | 4.5  |
|                | 2020/01/30 19:00 | 8.8  | 134 | 0 | 3.5  |
|                | 2020/01/30 18:00 | 8.3  | 156 | 0 | 3    |
|                | 2020/01/30 17:00 | 8.2  | 138 | 0 | 4.3  |
|                | 2020/01/30 16:00 | 7.8  | 158 | 0 | 3.5  |
|                | 2020/01/30 15:00 | 7.1  | 153 | 0 | 0.1  |
|                | 2020/01/30 14:00 | 7    | 135 | 0 | 0.1  |
|                | 2020/01/30 13:00 | 7.5  | 124 | 0 | 0.4  |
|                | 2020/01/30 12:00 | 8.3  | 116 | 0 | 3.8  |
|                | 2020/01/30 11:00 | 8.5  | 146 | 0 | 3.6  |
|                | 2020/01/30 10:00 | 7.8  | 139 | 0 | 2.5  |
|                | 2020/01/30 09:00 | 7.5  | 149 | 0 | 0.7  |
|                | 2020/01/30 08:00 | 6.6  | 150 | 0 | 0.1  |
|                | 2020/01/30 07:00 | 6.1  | 149 | 0 | 0.6  |
|                | 2020/01/30 06:00 | 6    | 149 | 0 | 0.1  |
|                | 2020/01/30 01:00 | 7    | 155 | 0 | 0.2  |
|                | 2020/01/30 00:00 | 6.9  | 147 | 0 | 4.8  |
|                | 2020/01/29 23:00 | 6.9  | 143 | 0 | 5.5  |
|                | 2020/01/29 22:00 | 6.9  | 144 | 0 | 2    |
|                | 2020/01/29 21:00 | 7    | 146 | 0 | 1.7  |
|                | 2020/01/29 20:00 | 7.8  | 151 | 0 | 2    |
|                | 2020/01/29 19:00 | 8.1  | 151 | 0 | 2.9  |
|                | 2020/01/29 18:00 | 8    | 152 | 0 | 2.1  |
|                | 2020/01/29 17:00 | 7.6  | 154 | 0 | 0.5  |
|                | 2020/01/29 16:00 | 6.9  | 157 | 0 | 0.1  |
|                | 2020/01/23 07:00 | 2.5  | 16  | 0 | 21.3 |
|                | 2020/01/23 06:00 | 2.5  | 16  | 0 | 20.8 |
|                | 2020/01/22 23:00 | 5.7  | 30  | 0 | 24.2 |
|                | 2020/01/22 22:00 | 7    | 35  | 0 | 25.5 |
|                | 2020/01/22 21:00 | 8.7  | 43  | 0 | 26.2 |
|                | 2020/01/22 20:00 | 9.8  | 50  | 0 | 24   |
|                | 2020/01/22 19:00 | 11.2 | 61  | 0 | 19.7 |
|                | 2020/01/22 18:00 | 11.4 | 80  | 0 | 14.6 |
|                | 2020/01/22 17:00 | 9    | 133 | 0 | 3.7  |
|                | 2020/01/22 16:00 | 30.4 | 133 | 0 | 4.3  |
|                | 2020/01/08 20:00 | 9.4  | 115 | 0 | 6.3  |
|                | 2020/01/08 19:00 | 9.9  | 130 | 0 | 17   |
|                | 2020/01/08 18:00 | 10.3 | 130 | 0 | 22.9 |
|                | 2020/01/08 17:00 | 10.4 | 130 | 0 | 8.7  |
|                | 2020/01/08 16:00 | 9.4  | 130 | 0 | 20.2 |

|                |                  |      |     |   |      |
|----------------|------------------|------|-----|---|------|
|                | 2020/01/08 15:00 | 9.1  | 132 | 0 | 7.5  |
|                | 2020/01/08 14:00 | 9.8  | 123 | 0 | 25.4 |
|                | 2020/01/08 13:00 | 12   | 131 | 0 | 2    |
|                | 2020/01/08 12:00 | 9.9  | 133 | 0 | 0.1  |
|                | 2020/01/08 11:00 | 9.5  | 120 | 0 | 0.2  |
|                | 2020/01/08 10:00 | 3.5  | 38  | 0 | 5.7  |
|                | 2020/01/08 00:00 | 3.4  | 19  | 0 | 19.3 |
|                | 2020/01/07 23:00 | 3.9  | 21  | 0 | 19.7 |
|                | 2020/01/07 22:00 | 4.6  | 24  | 0 | 20.8 |
|                | 2020/01/07 21:00 | 5.4  | 27  | 0 | 21.5 |
|                | 2020/01/07 20:00 | 5.5  | 28  | 0 | 20.1 |
|                | 2020/01/07 19:00 | 5.7  | 30  | 0 | 17.8 |
|                | 2020/01/07 18:00 | 6.4  | 34  | 0 | 15.5 |
|                | 2020/01/07 17:00 | 7.7  | 40  | 0 | 13.4 |
|                | 2020/01/07 16:00 | 9.4  | 50  | 0 | 11   |
|                | 2020/01/07 15:00 | 10.7 | 65  | 0 | 8.4  |
|                | 2020/01/07 14:00 | 10.3 | 89  | 0 | 4.9  |
|                | 2020/01/07 13:00 | 10.1 | 137 | 0 | 1.6  |
|                | 2020/01/07 12:00 | 9.8  | 152 | 0 | 2.2  |
|                | 2020/01/07 11:00 | 9.8  | 156 | 0 | 2.5  |
|                | 2020/01/04 23:00 | 3.2  | 22  | 0 | 21.6 |
|                | 2020/01/04 22:00 | 3.8  | 25  | 0 | 22.1 |
|                | 2020/01/04 21:00 | 4.5  | 29  | 0 | 22.4 |
|                | 2020/01/04 20:00 | 5    | 32  | 0 | 21.5 |
|                | 2020/01/04 19:00 | 5.6  | 37  | 0 | 19.2 |
|                | 2020/01/04 18:00 | 6.7  | 44  | 0 | 16.4 |
|                | 2020/01/04 17:00 | 7.9  | 54  | 0 | 12.2 |
|                | 2020/01/04 16:00 | 8.4  | 71  | 0 | 8.4  |
|                | 2020/01/04 15:00 | 7.6  | 134 | 0 | 1.5  |
|                | 2020/01/04 14:00 | 8.4  | 121 | 0 | 1.5  |
|                | 2020/01/04 13:00 | 8.5  | 134 | 0 | 1.5  |
|                | 2020/01/04 12:00 | 9.3  | 144 | 0 | 1.7  |
|                | 2020/01/04 11:00 | 48.3 | 137 | 0 | 7.5  |
|                | 2020/01/04 10:00 | 2.4  | 10  | 0 | 24.9 |
|                | 2020/01/04 09:00 | 2.4  | 10  | 0 | 24.3 |
|                | 2020/01/04 08:00 | 2.4  | 10  | 0 | 23.9 |
|                |                  |      |     |   |      |
|                |                  |      |     |   |      |
| <b>Unit 21</b> | 2020/01/30 23:00 | 4.3  | 82  | 0 | 0.1  |
|                | 2020/01/30 22:00 | 7    | 88  | 0 | 0.1  |
|                | 2020/01/30 21:00 | 9.3  | 103 | 0 | 0.6  |
|                | 2020/01/30 20:00 | 20.8 | 177 | 0 | 45   |
|                | 2020/01/30 19:00 | 17.9 | 176 | 0 | 41.5 |
|                | 2020/01/30 18:00 | 14.3 | 171 | 0 | 30.5 |
|                | 2020/01/30 17:00 | 10.7 | 162 | 0 | 14.8 |
|                | 2020/01/30 16:00 | 16.9 | 185 | 0 | 43.9 |
|                | 2020/01/30 15:00 | 14   | 182 | 0 | 30.6 |
|                | 2020/01/30 14:00 | 11.6 | 175 | 0 | 20.5 |
|                | 2020/01/30 13:00 | 9.5  | 166 | 0 | 11.1 |
|                | 2020/01/30 12:00 | 15.6 | 172 | 0 | 48.2 |

|  |                  |      |     |   |      |
|--|------------------|------|-----|---|------|
|  | 2020/01/30 11:00 | 12   | 170 | 0 | 29.3 |
|  | 2020/01/30 10:00 | 8.7  | 156 | 0 | 14.8 |
|  | 2020/01/30 09:00 | 7.4  | 148 | 0 | 7.1  |
|  | 2020/01/30 08:00 | 6.2  | 113 | 0 | 3.9  |
|  | 2020/01/30 07:00 | 5.9  | 115 | 0 | 3.3  |
|  | 2020/01/30 06:00 | 6    | 124 | 0 | 4.1  |
|  | 2020/01/30 05:00 | 6.2  | 134 | 0 | 4.9  |
|  | 2020/01/30 04:00 | 5.3  | 123 | 0 | 0.2  |
|  | 2020/01/30 03:00 | 5.3  | 124 | 0 | 0.6  |
|  | 2020/01/30 02:00 | 5.7  | 125 | 0 | 1.9  |
|  | 2020/01/30 01:00 | 6    | 150 | 0 | 3.6  |
|  | 2020/01/30 00:00 | 0.4  | 136 | 0 | 0.1  |
|  | 2020/01/29 23:00 | 1.6  | 138 | 0 | 0.1  |
|  | 2020/01/29 22:00 | 3.2  | 142 | 0 | 0.1  |
|  | 2020/01/29 21:00 | 5    | 146 | 0 | 1.1  |
|  | 2020/01/29 20:00 | 8.7  | 144 | 0 | 15.6 |
|  | 2020/01/29 19:00 | 8.1  | 142 | 0 | 15.6 |
|  | 2020/01/29 18:00 | 7.4  | 143 | 0 | 13.4 |
|  | 2020/01/29 17:00 | 6.3  | 138 | 0 | 11   |
|  | 2020/01/29 16:00 | 11.5 | 170 | 0 | 33.8 |
|  | 2020/01/29 15:00 | 9.1  | 164 | 0 | 22.4 |
|  | 2020/01/29 14:00 | 6.8  | 157 | 0 | 11.2 |
|  | 2020/01/29 13:00 | 5.8  | 150 | 0 | 3.9  |
|  | 2020/01/27 23:00 | 1.4  | 128 | 0 | 0.1  |
|  | 2020/01/27 22:00 | 3.2  | 144 | 0 | 0.1  |
|  | 2020/01/27 21:00 | 5    | 147 | 0 | 1.9  |
|  | 2020/01/27 20:00 | 9.6  | 173 | 0 | 21   |
|  | 2020/01/27 19:00 | 8.3  | 168 | 0 | 18.1 |
|  | 2020/01/27 18:00 | 6.4  | 165 | 0 | 9.9  |
|  | 2020/01/23 21:00 | 9.1  | 106 | 0 | 0.7  |
|  | 2020/01/23 20:00 | 17.8 | 132 | 0 | 30.7 |
|  | 2020/01/23 09:00 | 7.9  | 120 | 0 | 9    |
|  | 2020/01/23 08:00 | 4.3  | 117 | 0 | 0.2  |
|  | 2020/01/23 07:00 | 3.9  | 111 | 0 | 0.2  |
|  | 2020/01/23 06:00 | 3.7  | 134 | 0 | 0.1  |
|  | 2020/01/23 05:00 | 5.4  | 152 | 0 | 0.5  |
|  | 2020/01/23 01:00 | 6.3  | 114 | 0 | 2.8  |
|  | 2020/01/23 00:00 | 0.3  | 116 | 0 | 0.1  |
|  | 2020/01/22 23:00 | 1.7  | 102 | 0 | 0.1  |
|  | 2020/01/22 22:00 | 4.1  | 125 | 0 | 0.1  |
|  | 2020/01/22 21:00 | 6.2  | 149 | 0 | 0.9  |
|  | 2020/01/22 20:00 | 19.6 | 173 | 0 | 66.5 |
|  | 2020/01/22 19:00 | 16.7 | 167 | 0 | 59.5 |
|  | 2020/01/22 18:00 | 12.3 | 159 | 0 | 39.3 |
|  | 2020/01/22 17:00 | 8.2  | 150 | 0 | 16.5 |
|  | 2020/01/22 16:00 | 14.8 | 159 | 0 | 51.7 |
|  | 2020/01/22 15:00 | 12   | 152 | 0 | 39.2 |
|  | 2020/01/22 14:00 | 9    | 147 | 0 | 23.8 |
|  | 2020/01/22 13:00 | 6.8  | 141 | 0 | 12.2 |
|  | 2020/01/22 12:00 | 8.1  | 156 | 0 | 19.3 |
|  | 2020/01/14 23:00 | 2.1  | 118 | 0 | 0.1  |

|                |                  |      |     |     |      |
|----------------|------------------|------|-----|-----|------|
|                | 2020/01/14 22:00 | 4.3  | 95  | 0   | 0.1  |
|                | 2020/01/14 21:00 | 6.8  | 105 | 0   | 0.9  |
|                | 2020/01/14 20:00 | 15.3 | 141 | 0   | 28.3 |
|                | 2020/01/14 19:00 | 14.2 | 124 | 0   | 32.3 |
|                | 2020/01/14 18:00 | 11   | 125 | 0   | 18.4 |
|                | 2020/01/08 20:00 | 6.1  | 132 | 0   | 0.1  |
|                | 2020/01/08 19:00 | 6.9  | 141 | 0   | 0.1  |
|                | 2020/01/08 18:00 | 7.8  | 142 | 0   | 2.7  |
|                | 2020/01/08 17:00 | 7.9  | 141 | 0   | 6.8  |
|                | 2020/01/08 16:00 | 12.7 | 136 | 0   | 37   |
|                | 2020/01/08 15:00 | 11.2 | 133 | 0   | 28.8 |
|                | 2020/01/08 14:00 | 9.7  | 134 | 0   | 20.7 |
|                | 2020/01/08 13:00 | 8.4  | 131 | 0   | 13.3 |
|                | 2020/01/08 12:00 | 10.5 | 149 | 0   | 30.4 |
|                | 2020/01/08 11:00 | 8.8  | 148 | 0   | 19.6 |
|                | 2020/01/08 10:00 | 8    | 141 | 0   | 10.3 |
|                | 2020/01/08 00:00 | 2.8  | 91  | 0   | 0.1  |
|                | 2020/01/07 23:00 | 4.3  | 118 | 0   | 0.1  |
|                | 2020/01/07 22:00 | 6.1  | 128 | 0   | 0.1  |
|                | 2020/01/07 21:00 | 8.3  | 142 | 0   | 0.8  |
|                | 2020/01/07 20:00 | 18.8 | 147 | 0   | 45.7 |
|                | 2020/01/07 19:00 | 16.2 | 131 | 0   | 44.8 |
|                | 2020/01/07 18:00 | 12   | 137 | 0   | 28.9 |
|                | 2020/01/07 17:00 | 8.5  | 137 | 0   | 14.7 |
|                | 2020/01/07 16:00 | 16.9 | 152 | 0   | 57.9 |
|                | 2020/01/07 15:00 | 14.4 | 147 | 0   | 45.5 |
|                | 2020/01/07 14:00 | 11.7 | 127 | 0   | 33.1 |
|                | 2020/01/07 13:00 | 8.5  | 139 | 0   | 16.1 |
|                | 2020/01/07 12:00 | 10.8 | 167 | 0   | 35.5 |
|                | 2020/01/07 11:00 | 7.8  | 162 | 0   | 19.1 |
|                | 2020/01/07 10:00 | 7.1  | 160 | 0   | 11.5 |
|                | 2020/01/04 23:00 | 0.3  | 96  | 0   | 0.1  |
|                | 2020/01/04 22:00 | 2.4  | 126 | 0   | 0.1  |
|                | 2020/01/04 21:00 | 5.1  | 132 | 0   | 0.9  |
|                | 2020/01/04 20:00 | 14.5 | 132 | 0   | 37.2 |
|                | 2020/01/04 19:00 | 12.5 | 129 | 0   | 36.3 |
|                | 2020/01/04 18:00 | 9.8  | 121 | 0   | 26.3 |
|                | 2020/01/04 17:00 | 7.3  | 122 | 0   | 14.2 |
|                | 2020/01/04 16:00 | 10.9 | 135 | 0   | 33.4 |
|                | 2020/01/04 15:00 | 8.9  | 136 | 0   | 23.4 |
|                | 2020/01/04 14:00 | 7.5  | 126 | 0   | 15.6 |
|                | 2020/01/04 13:00 | 6.3  | 140 | 0   | 9.6  |
|                | 2020/01/04 12:00 | 13.7 | 156 | 0   | 48.5 |
|                | 2020/01/04 11:00 | 11.2 | 159 | 0   | 36.2 |
|                | 2020/01/04 10:00 | 8.7  | 145 | 0   | 22.2 |
|                | 2020/01/04 09:00 | 6.4  | 142 | 0   | 11.1 |
|                | 2020/01/04 08:00 | 3.2  | 129 | 0   | 2    |
|                |                  |      |     |     |      |
|                |                  |      |     |     |      |
| <b>Unit 22</b> | 2020/01/30 23:00 | 0.1  | 89  | 0.1 | 0.1  |

|  |                  |     |     |     |     |
|--|------------------|-----|-----|-----|-----|
|  | 2020/01/30 22:00 | 0.2 | 89  | 0.1 | 0.4 |
|  | 2020/01/30 21:00 | 0.8 | 93  | 0.1 | 1.1 |
|  | 2020/01/30 20:00 | 1.2 | 116 | 0.1 | 1.3 |
|  | 2020/01/30 19:00 | 4   | 128 | 0.1 | 5.6 |
|  | 2020/01/30 18:00 | 3.8 | 131 | 0.1 | 5.6 |
|  | 2020/01/30 17:00 | 3.1 | 127 | 0.1 | 4.7 |
|  | 2020/01/30 16:00 | 2   | 133 | 0.1 | 2.7 |
|  | 2020/01/30 15:00 | 2.5 | 141 | 0.1 | 2.6 |
|  | 2020/01/30 14:00 | 2.4 | 136 | 0.1 | 2.6 |
|  | 2020/01/30 13:00 | 2.2 | 128 | 0.1 | 2.2 |
|  | 2020/01/30 12:00 | 2   | 131 | 0.1 | 1.8 |
|  | 2020/01/30 11:00 | 2.3 | 135 | 0.1 | 0.8 |
|  | 2020/01/30 10:00 | 1.7 | 116 | 0.1 | 0.4 |
|  | 2020/01/30 09:00 | 1.5 | 123 | 0.1 | 0.6 |
|  | 2020/01/30 08:00 | 1.3 | 103 | 0.1 | 0.6 |
|  | 2020/01/30 07:00 | 1.3 | 104 | 0.1 | 3.1 |
|  | 2020/01/30 06:00 | 1.3 | 112 | 0.1 | 2.7 |
|  | 2020/01/30 05:00 | 1.4 | 117 | 0.1 | 2.5 |
|  | 2020/01/30 04:00 | 1.3 | 109 | 0.1 | 2.8 |
|  | 2020/01/30 03:00 | 1.4 | 112 | 0.1 | 1.8 |
|  | 2020/01/30 02:00 | 1.5 | 116 | 0.1 | 1.6 |
|  | 2020/01/30 01:00 | 1.6 | 134 | 0.1 | 1.4 |
|  | 2020/01/30 00:00 | 1.6 | 133 | 0.1 | 1.3 |
|  | 2020/01/29 23:00 | 1   | 127 | 0.1 | 1.4 |
|  | 2020/01/29 22:00 | 1   | 127 | 0.1 | 1.5 |
|  | 2020/01/29 21:00 | 1.2 | 127 | 0.1 | 2   |
|  | 2020/01/29 20:00 | 1.5 | 127 | 0.1 | 2.3 |
|  | 2020/01/29 19:00 | 1.9 | 125 | 0.1 | 3.8 |
|  | 2020/01/29 18:00 | 2   | 126 | 0.1 | 3.4 |
|  | 2020/01/29 17:00 | 1.9 | 125 | 0.1 | 3.3 |
|  | 2020/01/29 16:00 | 1.8 | 125 | 0.1 | 3   |
|  | 2020/01/29 15:00 | 1.4 | 128 | 0.1 | 3.1 |
|  | 2020/01/29 14:00 | 1.3 | 131 | 0.1 | 2.7 |
|  | 2020/01/23 08:00 | 1.4 | 105 | 0.1 | 3   |
|  | 2020/01/23 07:00 | 0.6 | 106 | 0.1 | 3.5 |
|  | 2020/01/23 06:00 | 0.7 | 124 | 0.1 | 2.8 |
|  | 2020/01/23 00:00 | 1.3 | 115 | 0.1 | 1.2 |
|  | 2020/01/22 23:00 | 0.1 | 95  | 0.1 | 0.1 |
|  | 2020/01/22 22:00 | 0.1 | 110 | 0.1 | 0.1 |
|  | 2020/01/22 21:00 | 0.4 | 125 | 0.1 | 0.6 |
|  | 2020/01/22 20:00 | 1.2 | 126 | 0.1 | 1.9 |
|  | 2020/01/22 19:00 | 4.9 | 131 | 0.1 | 8   |
|  | 2020/01/22 18:00 | 4   | 130 | 0.1 | 6.2 |
|  | 2020/01/22 17:00 | 2.2 | 127 | 0.1 | 3.6 |
|  | 2020/01/22 16:00 | 1.4 | 127 | 0.1 | 3   |
|  | 2020/01/08 20:00 | 1.7 | 112 | 0.1 | 4.3 |
|  | 2020/01/08 19:00 | 0.9 | 105 | 0.1 | 3.4 |
|  | 2020/01/08 18:00 | 1.2 | 115 | 0.1 | 3.2 |
|  | 2020/01/08 17:00 | 1.4 | 110 | 0.1 | 3.5 |
|  | 2020/01/08 16:00 | 1.6 | 106 | 0.1 | 3.5 |
|  | 2020/01/08 15:00 | 1.7 | 118 | 0.1 | 4.5 |



|                |                  |      |     |     |     |
|----------------|------------------|------|-----|-----|-----|
|                | 2020/01/08 14:00 | 1.2  | 109 | 0.1 | 4.2 |
|                | 2020/01/08 00:00 | 0.7  | 86  | 0.1 | 3.9 |
|                | 2020/01/07 23:00 | 0.1  | 103 | 0.1 | 0.6 |
|                | 2020/01/07 22:00 | 0.1  | 105 | 0.1 | 2   |
|                | 2020/01/07 21:00 | 1.1  | 113 | 0.1 | 4.1 |
|                | 2020/01/07 20:00 | 1.3  | 105 | 0.1 | 4.5 |
|                | 2020/01/07 19:00 | 3.5  | 112 | 0.1 | 5.7 |
|                | 2020/01/07 18:00 | 2.8  | 120 | 0.1 | 4.5 |
|                | 2020/01/07 17:00 | 2.1  | 124 | 0.1 | 3.6 |
|                | 2020/01/07 16:00 | 1.7  | 123 | 0.1 | 3   |
|                | 2020/01/07 15:00 | 3.3  | 121 | 0.1 | 6.9 |
|                | 2020/01/07 14:00 | 3.1  | 114 | 0.1 | 7.5 |
|                | 2020/01/07 13:00 | 2.3  | 120 | 0.1 | 6.1 |
|                | 2020/01/07 12:00 | 1.9  | 126 | 0.1 | 5.3 |
|                | 2020/01/07 11:00 | 1.5  | 134 | 0.1 | 6.1 |
|                | 2020/01/04 21:00 | 1.5  | 110 | 0.1 | 2.1 |
|                | 2020/01/04 20:00 | 1.7  | 110 | 0.1 | 2.4 |
|                | 2020/01/04 19:00 | 1.7  | 106 | 0.1 | 6.4 |
|                | 2020/01/04 18:00 | 1.5  | 106 | 0.1 | 5.5 |
|                | 2020/01/04 17:00 | 1.4  | 105 | 0.1 | 5.2 |
|                | 2020/01/04 16:00 | 1.4  | 104 | 0.1 | 4.8 |
|                | 2020/01/04 15:00 | 2    | 112 | 0.1 | 4.7 |
|                | 2020/01/04 14:00 | 1.9  | 110 | 0.1 | 4.4 |
|                | 2020/01/04 13:00 | 1.8  | 119 | 0.1 | 4.3 |
|                | 2020/01/04 12:00 | 1.6  | 123 | 0.1 | 4.2 |
|                | 2020/01/04 11:00 | 2.1  | 122 | 0.1 | 3.9 |
|                | 2020/01/04 10:00 | 1.7  | 119 | 0.1 | 3.3 |
|                | 2020/01/04 09:00 | 1.4  | 119 | 0.1 | 3.2 |
|                | 2020/01/04 08:00 | 1.4  | 115 | 0.1 | 3.2 |
|                |                  |      |     |     |     |
|                |                  |      |     |     |     |
| <b>Unit 31</b> | 2020/01/30 23:00 | 10.1 | 108 | 0.1 | 1.1 |
|                | 2020/01/30 22:00 | 10.7 | 98  | 0   | 1.7 |
|                | 2020/01/30 21:00 | 11.1 | 120 | 0   | 2.9 |
|                | 2020/01/30 20:00 | 11.2 | 142 | 0.1 | 3.4 |
|                | 2020/01/30 19:00 | 12   | 149 | 0   | 3.6 |
|                | 2020/01/30 18:00 | 11.6 | 151 | 0.1 | 3.6 |
|                | 2020/01/30 17:00 | 11.1 | 153 | 0.1 | 2.8 |
|                | 2020/01/30 16:00 | 10.6 | 154 | 0.1 | 2   |
|                | 2020/01/30 15:00 | 10.5 | 155 | 0.2 | 4.6 |
|                | 2020/01/30 14:00 | 10.1 | 155 | 0.8 | 4.2 |
|                | 2020/01/30 13:00 | 10   | 150 | 0.4 | 4.1 |
|                | 2020/01/30 12:00 | 9.9  | 146 | 0   | 3.6 |
|                | 2020/01/30 11:00 | 9    | 150 | 0   | 0.9 |
|                | 2020/01/30 10:00 | 8.4  | 147 | 0.1 | 0.7 |
|                | 2020/01/30 08:00 | 8.1  | 125 | 0   | 1.1 |
|                | 2020/01/30 07:00 | 8.3  | 122 | 0.1 | 2.3 |
|                | 2020/01/30 06:00 | 8.2  | 128 | 0.1 | 2.2 |
|                | 2020/01/30 05:00 | 8.1  | 133 | 0.1 | 1.8 |
|                | 2020/01/30 04:00 | 8.1  | 130 | 0   | 2   |

|  |                  |      |     |     |     |
|--|------------------|------|-----|-----|-----|
|  | 2020/01/30 03:00 | 7.9  | 127 | 0   | 2.6 |
|  | 2020/01/30 02:00 | 8.2  | 110 | 0.1 | 2.7 |
|  | 2020/01/30 01:00 | 8.1  | 125 | 0.1 | 2.6 |
|  | 2020/01/30 00:00 | 8.1  | 117 | 0   | 2.4 |
|  | 2020/01/29 23:00 | 7.7  | 115 | 0   | 2.7 |
|  | 2020/01/29 22:00 | 8.1  | 103 | 0.1 | 3.1 |
|  | 2020/01/29 21:00 | 8.3  | 116 | 0   | 3.9 |
|  | 2020/01/29 20:00 | 8.6  | 117 | 0   | 3.9 |
|  | 2020/01/29 19:00 | 8.8  | 119 | 0   | 3.8 |
|  | 2020/01/29 18:00 | 8.5  | 125 | 0.1 | 3.9 |
|  | 2020/01/29 17:00 | 8.5  | 128 | 0   | 3.8 |
|  | 2020/01/29 16:00 | 8.2  | 132 | 0.1 | 3.5 |
|  | 2020/01/29 15:00 | 8.2  | 140 | 0.3 | 4.5 |
|  | 2020/01/29 14:00 | 8    | 136 | 0.8 | 4   |
|  | 2020/01/29 13:00 | 7.9  | 139 | 0.7 | 3.4 |
|  | 2020/01/29 12:00 | 7.8  | 127 | 0.1 | 3.4 |
|  | 2020/01/29 11:00 | 6.1  | 118 | 0.1 | 1.9 |
|  | 2020/01/29 10:00 | 6.6  | 126 | 0.1 | 2.6 |
|  | 2020/01/28 00:00 | 6.7  | 116 | 0.1 | 2.8 |
|  | 2020/01/27 23:00 | 6.5  | 134 | 0   | 2.6 |
|  | 2020/01/27 22:00 | 6.5  | 147 | 0   | 2   |
|  | 2020/01/27 21:00 | 6.6  | 147 | 0   | 2.1 |
|  | 2020/01/27 20:00 | 6.9  | 148 | 0   | 2.5 |
|  | 2020/01/27 19:00 | 6.5  | 149 | 0   | 2.8 |
|  | 2020/01/27 18:00 | 6.5  | 129 | 0.1 | 2.5 |
|  | 2020/01/27 17:00 | 6.3  | 136 | 0   | 2.1 |
|  | 2020/01/27 16:00 | 6.7  | 154 | 0   | 2.3 |
|  | 2020/01/23 22:00 | 8.7  | 120 | 0   | 0.6 |
|  | 2020/01/23 21:00 | 9.7  | 109 | 0   | 1.7 |
|  | 2020/01/23 20:00 | 10.5 | 112 | 0   | 3.3 |
|  | 2020/01/23 09:00 | 8.5  | 121 | 0.1 | 3.4 |
|  | 2020/01/23 08:00 | 8.4  | 117 | 0.1 | 3.4 |
|  | 2020/01/23 07:00 | 7.4  | 116 | 0   | 2.3 |
|  | 2020/01/23 06:00 | 7.2  | 145 | 0.1 | 1.9 |
|  | 2020/01/23 05:00 | 7.3  | 147 | 0.1 | 1.7 |
|  | 2020/01/23 04:00 | 7.8  | 137 | 0   | 2.6 |
|  | 2020/01/23 01:00 | 8.2  | 108 | 0.1 | 2   |
|  | 2020/01/23 00:00 | 8.4  | 113 | 0.1 | 1.9 |
|  | 2020/01/22 23:00 | 7.7  | 107 | 0.1 | 1.3 |
|  | 2020/01/22 22:00 | 7.7  | 126 | 0   | 1.8 |
|  | 2020/01/22 21:00 | 8.2  | 143 | 0.1 | 2.6 |
|  | 2020/01/22 20:00 | 8.6  | 145 | 0   | 3.3 |
|  | 2020/01/22 19:00 | 9.1  | 153 | 0.1 | 3.5 |
|  | 2020/01/22 18:00 | 8.4  | 145 | 0.1 | 3.2 |
|  | 2020/01/22 17:00 | 7.9  | 142 | 0.1 | 2.2 |
|  | 2020/01/22 16:00 | 7.6  | 140 | 0   | 1.9 |
|  | 2020/01/22 15:00 | 8.2  | 141 | 0   | 4.9 |
|  | 2020/01/22 14:00 | 7.8  | 142 | 0.2 | 4.4 |
|  | 2020/01/22 13:00 | 7.7  | 142 | 0.1 | 4.3 |
|  | 2020/01/22 12:00 | 7.7  | 143 | 0.1 | 3.5 |
|  | 2020/01/22 11:00 | 7    | 140 | 0.1 | 2.7 |

|                |                  |      |     |     |     |
|----------------|------------------|------|-----|-----|-----|
|                | 2020/01/22 10:00 | 7.5  | 139 | 0.1 | 3.5 |
|                | 2020/01/22 07:00 | 8.2  | 114 | 0.1 | 5.8 |
|                | 2020/01/22 06:00 | 8.4  | 118 | 0.1 | 6   |
|                | 2020/01/22 02:00 | 7.8  | 116 | 0.1 | 4.2 |
|                | 2020/01/21 23:00 | 6.3  | 123 | 0.1 | 3.2 |
|                | 2020/01/21 22:00 | 6.9  | 110 | 0   | 3.8 |
|                | 2020/01/19 12:00 | 7.1  | 119 | 0.1 | 2.1 |
|                | 2020/01/19 11:00 | 6.1  | 123 | 0.1 | 2   |
|                | 2020/01/19 10:00 | 6.8  | 122 | 0.1 | 2.9 |
|                | 2020/01/15 18:00 | 9    | 115 | 0.1 | 6   |
|                | 2020/01/15 17:00 | 9    | 117 | 0.1 | 5.8 |
|                | 2020/01/08 20:00 | 7.4  | 105 | 0.1 | 5.2 |
|                | 2020/01/08 19:00 | 7.9  | 142 | 0.1 | 4.4 |
|                | 2020/01/08 17:00 | 7.6  | 142 | 0.1 | 4.5 |
|                | 2020/01/08 16:00 | 7.5  | 141 | 0.1 | 4.7 |
|                | 2020/01/08 15:00 | 7.4  | 142 | 0.1 | 3   |
|                | 2020/01/08 14:00 | 7.3  | 142 | 0.3 | 2.8 |
|                | 2020/01/08 13:00 | 7.3  | 142 | 0.2 | 2.4 |
|                | 2020/01/08 12:00 | 7.3  | 129 | 0.1 | 2   |
|                | 2020/01/08 11:00 | 6.3  | 114 | 0.1 | 4.7 |
|                | 2020/01/07 23:00 | 7.4  | 111 | 0.1 | 3.2 |
|                | 2020/01/07 22:00 | 7.4  | 112 | 0   | 3.8 |
|                | 2020/01/07 21:00 | 7.7  | 122 | 0   | 4.6 |
|                | 2020/01/07 20:00 | 8.2  | 117 | 0.1 | 5.4 |
|                | 2020/01/07 19:00 | 8.1  | 111 | 0.1 | 4.6 |
|                | 2020/01/07 18:00 | 7.3  | 119 | 0   | 4.2 |
|                | 2020/01/07 17:00 | 6.8  | 127 | 0.1 | 3.9 |
|                | 2020/01/07 16:00 | 6.5  | 125 | 0.1 | 4   |
|                | 2020/01/07 15:00 | 7.1  | 127 | 0.3 | 7.8 |
|                | 2020/01/07 14:00 | 7    | 115 | 0.1 | 7.7 |
|                | 2020/01/07 13:00 | 7    | 124 | 0.2 | 6.8 |
|                | 2020/01/07 12:00 | 6.7  | 128 | 0.2 | 6.5 |
|                | 2020/01/07 11:00 | 6.5  | 139 | 0.1 | 6.1 |
|                | 2020/01/04 21:00 | 6.1  | 123 | 0.1 | 4.2 |
|                | 2020/01/04 20:00 | 6.3  | 126 | 0   | 4.9 |
|                | 2020/01/04 19:00 | 6.5  | 126 | 0.1 | 6.9 |
|                | 2020/01/04 18:00 | 6.3  | 125 | 0   | 6.5 |
|                | 2020/01/04 17:00 | 6.2  | 126 | 0.1 | 6.5 |
|                | 2020/01/04 16:00 | 6    | 114 | 0.1 | 6.3 |
|                | 2020/01/04 15:00 | 6.2  | 112 | 0.3 | 7   |
|                | 2020/01/04 14:00 | 6.2  | 107 | 0.6 | 7   |
|                | 2020/01/04 13:00 | 6.2  | 125 | 1.2 | 6.3 |
|                | 2020/01/04 12:00 | 6    | 135 | 0.4 | 5.7 |
|                | 2020/01/04 11:00 | 4.6  | 134 | 0   | 2.1 |
|                | 2020/01/04 10:00 | 5    | 130 | 0   | 2.7 |
|                |                  |      |     |     |     |
|                |                  |      |     |     |     |
| <b>Unit 32</b> | 2020/01/30 23:00 | 12.4 | 125 | 0   | 1.2 |
|                | 2020/01/30 22:00 | 12.6 | 123 | 0   | 1.2 |
|                | 2020/01/30 21:00 | 12.6 | 135 | 0   | 1.4 |

|  |                  |      |     |   |     |
|--|------------------|------|-----|---|-----|
|  | 2020/01/30 20:00 | 9.8  | 205 | 0 | 0.4 |
|  | 2020/01/30 19:00 | 9.3  | 213 | 0 | 0.4 |
|  | 2020/01/30 18:00 | 9    | 225 | 0 | 0.6 |
|  | 2020/01/30 17:00 | 8.9  | 213 | 0 | 0.4 |
|  | 2020/01/30 16:00 | 8.6  | 228 | 0 | 2.7 |
|  | 2020/01/30 15:00 | 9.1  | 241 | 0 | 2.2 |
|  | 2020/01/30 14:00 | 8.4  | 226 | 0 | 2   |
|  | 2020/01/30 13:00 | 7.9  | 226 | 0 | 1.9 |
|  | 2020/01/30 12:00 | 7.7  | 215 | 0 | 2.3 |
|  | 2020/01/30 11:00 | 7.4  | 221 | 0 | 2.3 |
|  | 2020/01/30 10:00 | 7.1  | 197 | 0 | 2.1 |
|  | 2020/01/30 08:00 | 11.8 | 143 | 0 | 2   |
|  | 2020/01/30 07:00 | 11.2 | 152 | 0 | 1.8 |
|  | 2020/01/30 06:00 | 8.1  | 170 | 0 | 1.5 |
|  | 2020/01/30 05:00 | 7.7  | 191 | 0 | 1.6 |
|  | 2020/01/30 04:00 | 8.2  | 160 | 0 | 0.9 |
|  | 2020/01/30 03:00 | 8.4  | 154 | 0 | 0.8 |
|  | 2020/01/30 02:00 | 9.2  | 174 | 0 | 0.5 |
|  | 2020/01/30 01:00 | 5.5  | 228 | 0 | 0.5 |
|  | 2020/01/30 00:00 | 5.1  | 220 | 0 | 1.8 |
|  | 2020/01/29 23:00 | 5.8  | 226 | 0 | 1.8 |
|  | 2020/01/29 22:00 | 5.9  | 226 | 0 | 1.6 |
|  | 2020/01/29 21:00 | 5.6  | 224 | 0 | 1.9 |
|  | 2020/01/29 20:00 | 5.6  | 222 | 0 | 1.2 |
|  | 2020/01/29 19:00 | 5.2  | 219 | 0 | 1.3 |
|  | 2020/01/29 18:00 | 5.4  | 221 | 0 | 1.3 |
|  | 2020/01/29 17:00 | 5.1  | 218 | 0 | 1   |
|  | 2020/01/29 16:00 | 4.5  | 213 | 0 | 1.8 |
|  | 2020/01/29 15:00 | 4.4  | 210 | 0 | 1.5 |
|  | 2020/01/29 14:00 | 4.5  | 203 | 0 | 1.2 |
|  | 2020/01/27 23:00 | 4.5  | 192 | 0 | 1   |
|  | 2020/01/27 22:00 | 3.9  | 214 | 0 | 1   |
|  | 2020/01/27 21:00 | 3.8  | 212 | 0 | 1   |
|  | 2020/01/27 20:00 | 4    | 215 | 0 | 1   |
|  | 2020/01/27 19:00 | 3.7  | 214 | 0 | 1.1 |
|  | 2020/01/27 18:00 | 4.8  | 166 | 0 | 1   |
|  | 2020/01/23 07:00 | 6.8  | 128 | 0 | 1.5 |
|  | 2020/01/23 06:00 | 7.1  | 192 | 0 | 1   |
|  | 2020/01/22 23:00 | 6.1  | 121 | 0 | 2.3 |
|  | 2020/01/22 22:00 | 7.7  | 164 | 0 | 2   |
|  | 2020/01/22 21:00 | 5.1  | 208 | 0 | 1.9 |
|  | 2020/01/22 20:00 | 5.6  | 205 | 0 | 1.3 |
|  | 2020/01/22 19:00 | 5.5  | 208 | 0 | 1.5 |
|  | 2020/01/22 18:00 | 5    | 207 | 0 | 1.7 |
|  | 2020/01/22 17:00 | 4.7  | 204 | 0 | 1.3 |
|  | 2020/01/22 16:00 | 4.5  | 198 | 0 | 2.6 |
|  | 2020/01/08 20:00 | 8.2  | 142 | 0 | 2.1 |
|  | 2020/01/08 19:00 | 6.6  | 207 | 0 | 2   |
|  | 2020/01/08 18:00 | 6.2  | 202 | 0 | 1.6 |
|  | 2020/01/08 17:00 | 6.3  | 201 | 0 | 1.7 |
|  | 2020/01/08 16:00 | 5.8  | 185 | 0 | 1.9 |

|                |                  |      |     |   |     |
|----------------|------------------|------|-----|---|-----|
|                | 2020/01/08 15:00 | 6.3  | 203 | 0 | 2   |
|                | 2020/01/08 14:00 | 6    | 200 | 0 | 2   |
|                | 2020/01/08 13:00 | 5.9  | 202 | 0 | 1.9 |
|                | 2020/01/08 12:00 | 6.8  | 181 | 0 | 2.2 |
|                | 2020/01/08 11:00 | 7.9  | 163 | 0 | 2.3 |
|                | 2020/01/07 23:00 | 6.1  | 197 | 0 | 1.7 |
|                | 2020/01/07 22:00 | 6.9  | 176 | 0 | 1.8 |
|                | 2020/01/07 21:00 | 6.7  | 197 | 0 | 2   |
|                | 2020/01/07 20:00 | 7.9  | 177 | 0 | 1.8 |
|                | 2020/01/07 19:00 | 7.8  | 150 | 0 | 2.2 |
|                | 2020/01/07 18:00 | 6.6  | 178 | 0 | 2.2 |
|                | 2020/01/07 17:00 | 5.9  | 198 | 0 | 2   |
|                | 2020/01/07 16:00 | 5.5  | 189 | 0 | 3.9 |
|                | 2020/01/07 15:00 | 5    | 199 | 0 | 3.6 |
|                | 2020/01/07 14:00 | 5.5  | 167 | 0 | 3.7 |
|                | 2020/01/07 13:00 | 5.3  | 189 | 0 | 3.7 |
|                | 2020/01/07 12:00 | 5.4  | 184 | 0 | 3.3 |
|                | 2020/01/04 21:00 | 7.6  | 157 | 0 | 3.3 |
|                | 2020/01/04 20:00 | 6.5  | 180 | 0 | 3.3 |
|                | 2020/01/04 19:00 | 5.8  | 182 | 0 | 3.2 |
|                | 2020/01/04 18:00 | 5.6  | 181 | 0 | 3.2 |
|                | 2020/01/04 17:00 | 5.1  | 183 | 0 | 2.8 |
|                | 2020/01/04 16:00 | 5.7  | 164 | 0 | 3   |
|                | 2020/01/04 15:00 | 6.3  | 159 | 0 | 2.8 |
|                | 2020/01/04 14:00 | 6.8  | 138 | 0 | 2.5 |
|                | 2020/01/04 13:00 | 5.7  | 185 | 0 | 2.1 |
|                | 2020/01/04 12:00 | 4.8  | 190 | 0 | 3.2 |
|                | 2020/01/04 11:00 | 4.9  | 192 | 0 | 3   |
|                | 2020/01/04 10:00 | 5.2  | 182 | 0 | 2.6 |
|                |                  |      |     |   |     |
|                |                  |      |     |   |     |
| <b>Unit 41</b> | 2020/01/30 23:00 | 10   | 114 | 0 | 0.2 |
|                | 2020/01/30 22:00 | 10.6 | 106 | 0 | 0.2 |
|                | 2020/01/30 21:00 | 11.7 | 124 | 0 | 2.1 |
|                | 2020/01/30 20:00 | 11.7 | 170 | 0 | 0.5 |
|                | 2020/01/30 19:00 | 12.8 | 176 | 0 | 1   |
|                | 2020/01/30 18:00 | 12.5 | 178 | 0 | 1.5 |
|                | 2020/01/30 17:00 | 12   | 177 | 0 | 0.6 |
|                | 2020/01/30 15:00 | 11   | 183 | 0 | 0.2 |
|                | 2020/01/30 14:00 | 10.7 | 162 | 0 | 0.2 |
|                | 2020/01/30 13:00 | 10.4 | 162 | 0 | 0.2 |
|                | 2020/01/30 12:00 | 10.4 | 162 | 0 | 0.2 |
|                | 2020/01/30 11:00 | 10   | 164 | 0 | 0.3 |
|                | 2020/01/30 10:00 | 9.2  | 133 | 0 | 0.3 |
|                | 2020/01/30 09:00 | 8.6  | 154 | 0 | 0.4 |
|                | 2020/01/30 08:00 | 8.6  | 117 | 0 | 0.3 |
|                | 2020/01/30 07:00 | 8.5  | 123 | 0 | 0.3 |
|                | 2020/01/30 06:00 | 8.3  | 164 | 0 | 0.2 |
|                | 2020/01/30 01:00 | 7.5  | 170 | 0 | 0.2 |
|                | 2020/01/30 00:00 | 7.6  | 168 | 0 | 0.2 |

|                |                  |     |     |     |     |
|----------------|------------------|-----|-----|-----|-----|
|                | 2020/01/29 23:00 | 7.3 | 165 | 0   | 0.2 |
|                | 2020/01/29 22:00 | 7.3 | 166 | 0   | 0.2 |
|                | 2020/01/29 21:00 | 7.5 | 168 | 0   | 0.4 |
|                | 2020/01/29 20:00 | 7.7 | 166 | 0   | 0.3 |
|                | 2020/01/29 19:00 | 7.7 | 165 | 0   | 0.4 |
|                | 2020/01/29 18:00 | 7.8 | 168 | 0   | 0.3 |
|                | 2020/01/29 17:00 | 7.8 | 165 | 0   | 1.4 |
|                | 2020/01/29 16:00 | 7.5 | 162 | 0   | 0.5 |
|                | 2020/01/08 20:00 | 1.5 | 148 | 0   | 1.9 |
|                | 2020/01/08 19:00 | 1.7 | 167 | 0   | 1.7 |
|                | 2020/01/08 18:00 | 1.8 | 163 | 0   | 2.1 |
|                | 2020/01/08 17:00 | 1.8 | 163 | 0   | 1.7 |
|                | 2020/01/08 16:00 | 1.8 | 161 | 0   | 1.8 |
|                | 2020/01/08 15:00 | 2   | 163 | 0   | 0.6 |
|                | 2020/01/08 14:00 | 2   | 163 | 0   | 0.8 |
|                | 2020/01/07 23:00 | 1.2 | 161 | 0   | 0.5 |
|                | 2020/01/07 22:00 | 1.2 | 142 | 0   | 0.4 |
|                | 2020/01/07 21:00 | 1.3 | 154 | 0   | 0.7 |
|                | 2020/01/07 20:00 | 1.4 | 140 | 0   | 1.4 |
|                | 2020/01/07 19:00 | 1.6 | 124 | 0   | 3.5 |
|                | 2020/01/07 18:00 | 1.5 | 140 | 0   | 3   |
|                | 2020/01/07 17:00 | 1.1 | 151 | 0   | 1.9 |
|                | 2020/01/07 16:00 | 1.6 | 155 | 0   | 2.6 |
|                | 2020/01/07 15:00 | 1.7 | 161 | 0   | 3.2 |
|                | 2020/01/07 14:00 | 1.7 | 138 | 0   | 3.3 |
|                | 2020/01/07 13:00 | 1.6 | 155 | 0   | 3.6 |
|                | 2020/01/07 12:00 | 1.7 | 138 | 0   | 2.6 |
|                | 2020/01/04 21:00 | 1.9 | 139 | 0   | 2.3 |
|                | 2020/01/04 20:00 | 1.9 | 151 | 0   | 1.4 |
|                | 2020/01/04 19:00 | 1.3 | 147 | 0   | 2.9 |
|                | 2020/01/04 18:00 | 1.3 | 146 | 0   | 2.5 |
|                | 2020/01/04 17:00 | 1.4 | 151 | 0   | 2.4 |
|                | 2020/01/04 16:00 | 1.1 | 131 | 0   | 1.6 |
|                | 2020/01/04 15:00 | 0.1 | 117 | 0   | 0.2 |
|                | 2020/01/04 14:00 | 0.1 | 107 | 0   | 0.3 |
|                | 2020/01/04 13:00 | 2.8 | 145 | 0   | 7.2 |
|                | 2020/01/04 12:00 | 2.1 | 159 | 0   | 4.9 |
|                | 2020/01/04 11:00 | 0.1 | 156 | 0   | 0.2 |
|                | 2020/01/04 10:00 | 0.4 | 155 | 0   | 0.2 |
|                |                  |     |     |     |     |
|                |                  |     |     |     |     |
| <b>Unit 42</b> | 2020/01/30 23:00 | 0.7 | 102 | 0.1 | 0.6 |
|                | 2020/01/30 22:00 | 1.1 | 107 | 0.1 | 0.7 |
|                | 2020/01/30 21:00 | 2.2 | 119 | 0.1 | 1.7 |
|                | 2020/01/30 20:00 | 3.1 | 163 | 0.1 | 2   |
|                | 2020/01/30 17:00 | 2.1 | 167 | 0.1 | 1.2 |
|                | 2020/01/30 16:00 | 1.7 | 174 | 0.1 | 0.8 |
|                | 2020/01/30 15:00 | 1.5 | 175 | 0.2 | 1.4 |
|                | 2020/01/30 14:00 | 1.4 | 172 | 0.8 | 1.3 |
|                | 2020/01/30 13:00 | 1.5 | 171 | 0.4 | 1.2 |
|                | 2020/01/30 12:00 | 1.3 | 166 | 0.1 | 1   |

|  |                  |     |     |     |     |
|--|------------------|-----|-----|-----|-----|
|  | 2020/01/30 11:00 | 2   | 166 | 0.1 | 1.2 |
|  | 2020/01/30 10:00 | 1.6 | 154 | 0.1 | 0.9 |
|  | 2020/01/30 09:00 | 1.5 | 153 | 0.1 | 0.8 |
|  | 2020/01/30 08:00 | 1.4 | 125 | 0.1 | 1   |
|  | 2020/01/30 06:00 | 1.3 | 128 | 0.1 | 0.7 |
|  | 2020/01/30 05:00 | 1.5 | 138 | 0.1 | 0.8 |
|  | 2020/01/30 04:00 | 1.2 | 133 | 0.1 | 0.7 |
|  | 2020/01/30 03:00 | 1.6 | 137 | 0.1 | 0.5 |
|  | 2020/01/30 02:00 | 1.6 | 121 | 0.1 | 0.6 |
|  | 2020/01/30 01:00 | 1.6 | 136 | 0.1 | 0.5 |
|  | 2020/01/30 00:00 | 1.7 | 127 | 0.1 | 0.6 |
|  | 2020/01/29 23:00 | 0.3 | 120 | 0.1 | 0.6 |
|  | 2020/01/29 21:00 | 0.7 | 119 | 0.1 | 0.9 |
|  | 2020/01/29 20:00 | 1.2 | 125 | 0.1 | 1.1 |
|  | 2020/01/29 19:00 | 0.9 | 114 | 0.1 | 2.3 |
|  | 2020/01/29 18:00 | 1.2 | 123 | 0.1 | 2.3 |
|  | 2020/01/29 17:00 | 1.2 | 129 | 0.1 | 2.4 |
|  | 2020/01/29 16:00 | 1.3 | 137 | 0.1 | 2.4 |
|  | 2020/01/29 15:00 | 1.9 | 156 | 0.2 | 2.5 |
|  | 2020/01/29 14:00 | 1.7 | 146 | 0.9 | 2.2 |
|  | 2020/01/29 13:00 | 1.8 | 151 | 0.4 | 2.1 |
|  | 2020/01/29 12:00 | 1.5 | 134 | 0.1 | 2   |
|  | 2020/01/29 11:00 | 0.5 | 119 | 0.1 | 0.6 |
|  | 2020/01/29 10:00 | 0.4 | 124 | 0.1 | 0.7 |
|  | 2020/01/27 23:00 | 0.7 | 137 | 0.1 | 0.7 |
|  | 2020/01/27 22:00 | 0.7 | 152 | 0.1 | 0.6 |
|  | 2020/01/27 21:00 | 1.1 | 156 | 0.1 | 0.8 |
|  | 2020/01/27 20:00 | 1.3 | 158 | 0.1 | 0.8 |
|  | 2020/01/27 19:00 | 1.5 | 156 | 0.1 | 1.2 |
|  | 2020/01/27 18:00 | 1.4 | 133 | 0.1 | 1.5 |
|  | 2020/01/27 17:00 | 1.4 | 142 | 0.1 | 1.2 |
|  | 2020/01/27 16:00 | 1.3 | 169 | 0.1 | 1   |
|  | 2020/01/23 22:00 | 0.1 | 121 | 0   | 0.5 |
|  | 2020/01/23 21:00 | 0.3 | 111 | 0.1 | 0.6 |
|  | 2020/01/23 20:00 | 1.3 | 122 | 0.1 | 0.8 |
|  | 2020/01/23 19:00 | 4.1 | 139 | 0.1 | 4.1 |
|  | 2020/01/23 18:00 | 3.5 | 161 | 0.1 | 3.4 |
|  | 2020/01/23 17:00 | 2.6 | 159 | 0.1 | 2.5 |
|  | 2020/01/23 16:00 | 1.5 | 157 | 0.1 | 1.5 |
|  | 2020/01/23 09:00 | 1.5 | 130 | 0.1 | 0.7 |
|  | 2020/01/23 08:00 | 1.2 | 125 | 0.1 | 0.6 |
|  | 2020/01/23 07:00 | 1.3 | 130 | 0.1 | 0.7 |
|  | 2020/01/23 06:00 | 1.3 | 159 | 0   | 0.6 |
|  | 2020/01/23 05:00 | 1.2 | 159 | 0.1 | 0.5 |
|  | 2020/01/23 04:00 | 1.4 | 151 | 0.1 | 0.6 |
|  | 2020/01/23 01:00 | 1   | 119 | 0.1 | 0.9 |
|  | 2020/01/23 00:00 | 1.3 | 155 | 0.1 | 0.7 |
|  | 2020/01/22 23:00 | 0.1 | 120 | 0.1 | 0.5 |
|  | 2020/01/22 22:00 | 0.1 | 138 | 0.1 | 0.5 |
|  | 2020/01/22 21:00 | 0.4 | 151 | 0.1 | 0.8 |
|  | 2020/01/22 20:00 | 1.2 | 152 | 0.1 | 1.7 |

|  |                  |     |     |     |     |
|--|------------------|-----|-----|-----|-----|
|  | 2020/01/22 19:00 | 2.9 | 155 | 0.1 | 3   |
|  | 2020/01/22 18:00 | 2.3 | 153 | 0.1 | 2.3 |
|  | 2020/01/22 17:00 | 1.7 | 152 | 0.1 | 1.6 |
|  | 2020/01/22 16:00 | 1.2 | 152 | 0.1 | 1.4 |
|  | 2020/01/22 15:00 | 2.3 | 152 | 0.1 | 2   |
|  | 2020/01/22 14:00 | 2   | 152 | 0.3 | 1.6 |
|  | 2020/01/22 13:00 | 1.9 | 152 | 0.1 | 1.5 |
|  | 2020/01/22 12:00 | 1.6 | 151 | 0.1 | 1.2 |
|  | 2020/01/22 11:00 | 2   | 149 | 0.1 | 1.8 |
|  | 2020/01/22 10:00 | 2   | 149 | 0.1 | 1.9 |
|  | 2020/01/22 07:00 | 1.4 | 127 | 0.1 | 1.8 |
|  | 2020/01/22 06:00 | 1.3 | 132 | 0.1 | 1.4 |
|  | 2020/01/22 05:00 | 1.3 | 123 | 0.1 | 1.4 |
|  | 2020/01/22 04:00 | 1.5 | 146 | 0.1 | 1.4 |
|  | 2020/01/22 03:00 | 1.1 | 109 | 0.1 | 1.6 |
|  | 2020/01/22 02:00 | 1.3 | 126 | 0.1 | 1.5 |
|  | 2020/01/21 23:00 | 0.6 | 132 | 0.1 | 1.3 |
|  | 2020/01/21 22:00 | 0.6 | 121 | 0.1 | 1.5 |
|  | 2020/01/19 13:00 | 1.2 | 132 | 0.1 | 1.5 |
|  | 2020/01/19 12:00 | 1.1 | 137 | 0.1 | 1.4 |
|  | 2020/01/19 11:00 | 0.9 | 132 | 0.1 | 1.8 |
|  | 2020/01/19 10:00 | 0.9 | 132 | 0.1 | 1.5 |
|  | 2020/01/15 18:00 | 2.3 | 121 | 0   | 2.3 |
|  | 2020/01/15 17:00 | 2.1 | 133 | 0.1 | 2.1 |
|  | 2020/01/15 16:00 | 1.5 | 128 | 0.1 | 1.9 |
|  | 2020/01/15 15:00 | 2.2 | 148 | 0.3 | 2   |
|  | 2020/01/15 14:00 | 1.7 | 152 | 0.5 | 1.1 |
|  | 2020/01/15 13:00 | 1.4 | 149 | 0.8 | 1.1 |
|  | 2020/01/15 12:00 | 1.3 | 135 | 0.2 | 1.3 |
|  | 2020/01/15 11:00 | 1.6 | 138 | 0.1 | 2.9 |
|  | 2020/01/15 10:00 | 1.5 | 113 | 0.1 | 2.3 |
|  | 2020/01/15 09:00 | 1.3 | 113 | 0.1 | 2   |
|  | 2020/01/15 08:00 | 1.1 | 105 | 0   | 1.9 |
|  | 2020/01/15 07:00 | 0.9 | 116 | 0.1 | 2.2 |
|  | 2020/01/08 20:00 | 1   | 124 | 0.1 | 2.2 |
|  | 2020/01/08 19:00 | 0.9 | 152 | 0.1 | 0.9 |
|  | 2020/01/08 18:00 | 1.1 | 152 | 0.1 | 1   |
|  | 2020/01/08 17:00 | 1.3 | 157 | 0.1 | 1.3 |
|  | 2020/01/08 16:00 | 1.4 | 154 | 0.1 | 1.6 |
|  | 2020/01/08 15:00 | 1.7 | 154 | 0.2 | 2.1 |
|  | 2020/01/08 14:00 | 1.5 | 155 | 0.4 | 1.8 |
|  | 2020/01/08 13:00 | 1.5 | 154 | 0.2 | 2   |
|  | 2020/01/08 12:00 | 1.4 | 145 | 0.1 | 1.8 |
|  | 2020/01/08 11:00 | 1.2 | 145 | 0.1 | 2.3 |
|  | 2020/01/08 10:00 | 1.3 | 140 | 0.1 | 2.7 |
|  | 2020/01/07 23:00 | 0.2 | 121 | 0.1 | 1.3 |
|  | 2020/01/07 22:00 | 0.4 | 124 | 0.1 | 1.6 |
|  | 2020/01/07 21:00 | 1.1 | 134 | 0.1 | 2.8 |
|  | 2020/01/07 20:00 | 1.7 | 130 | 0.1 | 3.6 |
|  | 2020/01/07 19:00 | 2.2 | 126 | 0.1 | 2.6 |
|  | 2020/01/07 18:00 | 1.8 | 139 | 0.1 | 2.3 |



|                |                  |     |     |     |     |
|----------------|------------------|-----|-----|-----|-----|
|                | 2020/01/07 17:00 | 1.7 | 142 | 0.1 | 2.8 |
|                | 2020/01/07 16:00 | 1.6 | 142 | 0.1 | 2.8 |
|                | 2020/01/07 15:00 | 2.3 | 142 | 0.2 | 3.7 |
|                | 2020/01/07 14:00 | 2.3 | 138 | 0.1 | 3   |
|                | 2020/01/07 13:00 | 1.9 | 145 | 0.2 | 2.5 |
|                | 2020/01/07 12:00 | 1.6 | 148 | 0.2 | 2.4 |
|                | 2020/01/07 11:00 | 1.4 | 149 | 0.1 | 4.2 |
|                | 2020/01/04 23:00 | 0.8 | 110 | 0.1 | 1.7 |
|                | 2020/01/04 22:00 | 1   | 125 | 0.1 | 1.7 |
|                | 2020/01/04 21:00 | 1.4 | 134 | 0.1 | 2.6 |
|                | 2020/01/04 20:00 | 1.8 | 123 | 0.1 | 3.3 |
|                | 2020/01/04 19:00 | 1.4 | 128 | 0.1 | 2.3 |
|                | 2020/01/04 18:00 | 1.4 | 122 | 0.1 | 2.3 |
|                | 2020/01/04 17:00 | 1.5 | 137 | 0.1 | 2.6 |
|                | 2020/01/04 16:00 | 1.5 | 130 | 0.1 | 2.6 |
|                | 2020/01/04 15:00 | 1.9 | 124 | 0.3 | 5.1 |
|                | 2020/01/04 14:00 | 1.6 | 117 | 0.8 | 4.5 |
|                | 2020/01/04 13:00 | 1.7 | 138 | 0.7 | 4.2 |
|                | 2020/01/04 12:00 | 1.5 | 143 | 0.2 | 4.1 |
|                | 2020/01/04 11:00 | 0.4 | 142 | 0.1 | 1.1 |
|                | 2020/01/04 10:00 | 0.3 | 139 | 0.1 | 1   |
|                | 2020/01/04 09:00 | 0.8 | 153 | 0.1 | 1.3 |
|                |                  |     |     |     |     |
|                |                  |     |     |     |     |
| <b>Unit 43</b> | 2020/01/30 23:00 | 1.2 | 94  | 0   | 1.9 |
|                | 2020/01/30 22:00 | 1.6 | 93  | 0   | 2.3 |
|                | 2020/01/30 21:00 | 2.3 | 97  | 0   | 3   |
|                | 2020/01/30 20:00 | 1.9 | 125 | 0   | 2.5 |
|                | 2020/01/30 19:00 | 2.5 | 135 | 0   | 3.5 |
|                | 2020/01/30 18:00 | 2.4 | 149 | 0   | 3.4 |
|                | 2020/01/30 17:00 | 2.1 | 140 | 0   | 3.2 |
|                | 2020/01/30 16:00 | 2.1 | 155 | 0   | 2.7 |
|                | 2020/01/30 14:00 | 2   | 162 | 0   | 2   |
|                | 2020/01/30 13:00 | 2.2 | 159 | 0   | 1.9 |
|                | 2020/01/30 12:00 | 2   | 156 | 0   | 1.8 |
|                | 2020/01/30 11:00 | 1.7 | 158 | 0   | 2   |
|                | 2020/01/30 10:00 | 1.7 | 155 | 0   | 2   |
|                | 2020/01/30 09:00 | 1.8 | 144 | 0   | 1.7 |
|                | 2020/01/30 08:00 | 1.7 | 132 | 0   | 1.7 |
|                | 2020/01/30 07:00 | 2.6 | 127 | 0   | 2.1 |
|                | 2020/01/30 06:00 | 2.4 | 129 | 0   | 1.8 |
|                | 2020/01/30 05:00 | 2.6 | 135 | 0   | 1.8 |
|                | 2020/01/30 04:00 | 2.6 | 126 | 0   | 1.7 |
|                | 2020/01/30 03:00 | 2.5 | 130 | 0   | 2   |
|                | 2020/01/30 02:00 | 2.5 | 120 | 0   | 2   |
|                | 2020/01/30 01:00 | 2.6 | 135 | 0   | 1.8 |
|                | 2020/01/30 00:00 | 2.5 | 129 | 0   | 1.8 |
|                | 2020/01/29 23:00 | 2.2 | 121 | 0   | 2.5 |
|                | 2020/01/29 22:00 | 1.9 | 101 | 0   | 2.4 |
|                | 2020/01/29 21:00 | 2.1 | 121 | 0   | 2.5 |

|  |                  |     |     |   |     |
|--|------------------|-----|-----|---|-----|
|  | 2020/01/29 20:00 | 2.2 | 128 | 0 | 2.3 |
|  | 2020/01/29 19:00 | 2.2 | 121 | 0 | 2.4 |
|  | 2020/01/29 18:00 | 2.1 | 133 | 0 | 2.5 |
|  | 2020/01/29 17:00 | 2.3 | 133 | 0 | 2.3 |
|  | 2020/01/29 16:00 | 2.2 | 139 | 0 | 2.3 |
|  | 2020/01/29 15:00 | 1.5 | 141 | 0 | 1.5 |
|  | 2020/01/29 14:00 | 1.7 | 137 | 0 | 0.7 |
|  | 2020/01/29 13:00 | 1.9 | 136 | 0 | 0.9 |
|  | 2020/01/29 12:00 | 1.6 | 133 | 0 | 0.8 |
|  | 2020/01/29 11:00 | 1.7 | 123 | 0 | 3.7 |
|  | 2020/01/29 10:00 | 2.3 | 129 | 0 | 4.4 |
|  | 2020/01/28 00:00 | 1.1 | 118 | 0 | 1.5 |
|  | 2020/01/27 23:00 | 2.1 | 138 | 0 | 1.7 |
|  | 2020/01/27 22:00 | 1.9 | 145 | 0 | 1.3 |
|  | 2020/01/27 21:00 | 2   | 144 | 0 | 1.5 |
|  | 2020/01/27 20:00 | 1.9 | 145 | 0 | 1.4 |
|  | 2020/01/27 17:00 | 1   | 134 | 0 | 2.9 |
|  | 2020/01/27 16:00 | 1.6 | 148 | 0 | 3.4 |
|  | 2020/01/23 22:00 | 1.1 | 122 | 0 | 0.1 |
|  | 2020/01/23 21:00 | 1.6 | 108 | 0 | 0.5 |
|  | 2020/01/23 20:00 | 1.7 | 115 | 0 | 0.7 |
|  | 2020/01/23 09:00 | 1.4 | 123 | 0 | 2.2 |
|  | 2020/01/23 08:00 | 1.1 | 114 | 0 | 2.1 |
|  | 2020/01/23 07:00 | 2.3 | 116 | 0 | 4.6 |
|  | 2020/01/23 06:00 | 2.5 | 148 | 0 | 4.5 |
|  | 2020/01/23 05:00 | 2.6 | 152 | 0 | 4.7 |
|  | 2020/01/23 04:00 | 3.2 | 146 | 0 | 5   |
|  | 2020/01/23 01:00 | 1.6 | 111 | 0 | 1.6 |
|  | 2020/01/23 00:00 | 1.7 | 122 | 0 | 1.6 |
|  | 2020/01/22 23:00 | 1.2 | 107 | 0 | 0.3 |
|  | 2020/01/22 22:00 | 1.6 | 128 | 0 | 0.3 |
|  | 2020/01/22 21:00 | 2.1 | 152 | 0 | 0.9 |
|  | 2020/01/22 20:00 | 2.2 | 149 | 0 | 1   |
|  | 2020/01/22 19:00 | 2.1 | 144 | 0 | 3.1 |
|  | 2020/01/22 18:00 | 1.9 | 142 | 0 | 2.7 |
|  | 2020/01/22 17:00 | 1.6 | 142 | 0 | 2   |
|  | 2020/01/22 16:00 | 1.7 | 138 | 0 | 2.2 |
|  | 2020/01/22 15:00 | 2   | 134 | 0 | 3.3 |
|  | 2020/01/22 14:00 | 2   | 134 | 0 | 3   |
|  | 2020/01/22 13:00 | 2   | 135 | 0 | 3   |
|  | 2020/01/22 12:00 | 2.1 | 134 | 0 | 3   |
|  | 2020/01/22 11:00 | 1.6 | 136 | 0 | 2.2 |
|  | 2020/01/22 10:00 | 1.7 | 135 | 0 | 2.6 |
|  | 2020/01/22 07:00 | 1.2 | 102 | 0 | 2.6 |
|  | 2020/01/22 06:00 | 1.7 | 106 | 0 | 3   |
|  | 2020/01/22 02:00 | 2.4 | 103 | 0 | 3   |
|  | 2020/01/21 22:00 | 1.3 | 105 | 0 | 3.6 |
|  | 2020/01/19 10:00 | 2.5 | 131 | 0 | 4.6 |
|  | 2020/01/15 18:00 | 1.9 | 105 | 0 | 2.9 |
|  | 2020/01/15 17:00 | 1.8 | 127 | 0 | 2.9 |
|  | 2020/01/15 16:00 | 1.7 | 126 | 0 | 2.8 |

|  |                  |     |     |   |     |
|--|------------------|-----|-----|---|-----|
|  | 2020/01/15 15:00 | 2.1 | 126 | 0 | 3.9 |
|  | 2020/01/15 14:00 | 1.8 | 127 | 0 | 3.5 |
|  | 2020/01/15 13:00 | 1.8 | 123 | 0 | 3.4 |
|  | 2020/01/15 12:00 | 1.8 | 128 | 0 | 3.3 |
|  | 2020/01/15 11:00 | 1.3 | 132 | 0 | 1.8 |
|  | 2020/01/15 10:00 | 1.3 | 123 | 0 | 1.3 |
|  | 2020/01/15 09:00 | 1.3 | 117 | 0 | 1.3 |
|  | 2020/01/15 08:00 | 1.4 | 110 | 0 | 1.6 |
|  | 2020/01/15 07:00 | 1.6 | 110 | 0 | 4.8 |
|  | 2020/01/08 20:00 | 2.8 | 143 | 0 | 2.8 |
|  | 2020/01/08 19:00 | 1.6 | 143 | 0 | 3   |
|  | 2020/01/08 18:00 | 1.6 | 142 | 0 | 2.8 |
|  | 2020/01/08 17:00 | 1.7 | 141 | 0 | 2.8 |
|  | 2020/01/08 16:00 | 1.8 | 139 | 0 | 3   |
|  | 2020/01/08 15:00 | 2.1 | 139 | 0 | 3.3 |
|  | 2020/01/08 14:00 | 2.1 | 139 | 0 | 3.4 |
|  | 2020/01/08 13:00 | 2.1 | 143 | 0 | 3.2 |
|  | 2020/01/08 12:00 | 2.1 | 143 | 0 | 3.1 |
|  | 2020/01/08 11:00 | 1.5 | 138 | 0 | 4.8 |
|  | 2020/01/08 10:00 | 2.3 | 145 | 0 | 5.7 |
|  | 2020/01/08 00:00 | 1.9 | 131 | 0 | 3.1 |
|  | 2020/01/07 23:00 | 1.9 | 135 | 0 | 2.3 |
|  | 2020/01/07 22:00 | 2.1 | 137 | 0 | 2.6 |
|  | 2020/01/07 21:00 | 2.5 | 138 | 0 | 3.4 |
|  | 2020/01/07 20:00 | 2.2 | 140 | 0 | 3.4 |
|  | 2020/01/07 19:00 | 2   | 144 | 0 | 4   |
|  | 2020/01/07 18:00 | 1.6 | 142 | 0 | 4   |
|  | 2020/01/07 17:00 | 1.7 | 142 | 0 | 3.9 |
|  | 2020/01/07 16:00 | 1.6 | 142 | 0 | 3.7 |
|  | 2020/01/07 15:00 | 1.8 | 137 | 0 | 4   |
|  | 2020/01/07 14:00 | 1.7 | 131 | 0 | 3.9 |
|  | 2020/01/07 13:00 | 1.6 | 124 | 0 | 3.5 |
|  | 2020/01/07 11:00 | 1.9 | 135 | 0 | 6   |
|  | 2020/01/04 23:00 | 1.5 | 93  | 0 | 3.1 |
|  | 2020/01/04 22:00 | 1.9 | 113 | 0 | 3   |
|  | 2020/01/04 21:00 | 1.9 | 123 | 0 | 3.2 |
|  | 2020/01/04 20:00 | 2   | 111 | 0 | 3.3 |
|  | 2020/01/04 19:00 | 1.4 | 113 | 0 | 4.2 |
|  | 2020/01/04 18:00 | 1.4 | 108 | 0 | 4.2 |
|  | 2020/01/04 17:00 | 1.5 | 119 | 0 | 3.9 |
|  | 2020/01/04 16:00 | 1.5 | 115 | 0 | 3.8 |
|  | 2020/01/04 15:00 | 1.7 | 113 | 0 | 5.8 |
|  | 2020/01/04 14:00 | 1.7 | 109 | 0 | 5.9 |
|  | 2020/01/04 13:00 | 1.7 | 120 | 0 | 5.7 |
|  | 2020/01/04 12:00 | 1.9 | 126 | 0 | 5.5 |
|  | 2020/01/04 11:00 | 0.5 | 127 | 0 | 2.9 |
|  | 2020/01/04 10:00 | 0.7 | 122 | 0 | 2.8 |
|  | 2020/01/04 09:00 | 1.7 | 136 | 0 | 3.2 |
|  |                  |     |     |   |     |
|  |                  |     |     |   |     |

|                                   |  |        |        |       |       |
|-----------------------------------|--|--------|--------|-------|-------|
| <b>Total Emission mass (Tons)</b> |  | 13.021 | 129.68 | 0.008 | 6.966 |
|-----------------------------------|--|--------|--------|-------|-------|

**COMMENT:** All pollutants measured were within allowed limits and no non-conformances were registered for the month under review.

Table 4: Each unit and respective days operating under normal operation (Please note the units rarely run for the entire day)

| <b>Unit</b>  | <b>Hours operating under normal operation</b> | <b>Test-run hours</b> | <b>Total</b> |
|--------------|---|-----------------------|--------------|
| 11           | 85  | 21                    | 106          |
| 12           | 79  | 16                    | 95           |
| 21           | 110   | 21                    | 131          |
| 22           | 81  | 12                    | 93           |
| 31           | 115   | 30                    | 145          |
| 32           | 83  | 15                    | 98           |
| 41           | 42  | 29                    | 71           |
| 42           | 58  | 106                   | 164          |
| 43           | 125   | 32                    | 157          |
| <i>Total</i> | <i>778</i>                                    | <i>282</i>            | <i>1060</i>  |

### 3 Monitoring Equipment: Continuous Emission Monitoring System (CEMS) availability

Table 5

| <b>Associated Unit</b> | <b>Technology Type</b> | <b>Actual Utilisation (%) for the month of January</b> |
|------------------------|------------------------|--|
| <i>Unit 11</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 12</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 21</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 22</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 31</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 32</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 41</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 42</i>         | CEMS                   | <i>100%</i>  |
| <i>Unit 43</i>         | CEMS                   | <i>100%</i>  |

### 4 Monitoring Equipment Calibration

Continuous Emission Monitoring System (CEMS) is always online unless a fault is reported. The system auto calibrates every four (4) hours and raises an alarm if auto calibration is out of spec. Onsite technicians calibrate the system with calibration gas annually.

### 5 Ambient Monitoring Station

The station has had the PM analyser installed and unfortunately due to weather related damages it had to be uninstalled. It was sent away to the supplier for quotation for repairs and the quote has been received. A PR is in the system to have the analyser repaired.

### 6 Load Factor: 12.03%

### 7 Leak Detection and Repair programme

No leaks were reported during January 2020

### 8 Complaints Register

Table 6. Complaints for the month of January 2020

| Source Code/ Name | Root Cause Analysis | Calculation of Impacts/ emissions associated with the incident | Dispersion modelling of pollutants where applicable | Measures implemented to prevent reoccurrence | Date by which measure will be implemented |
|-------------------|---------------------|--|---|--|---|
| None              | N/A                 | N/A  | N/A   | N/A  | N/A                                       |

## 9 General

The rest of the information demonstrating compliance with the emission license conditions is supplied in the annual emission reports sent to your office.

Trusting the above meets the reporting requirements specified within the stations' Atmospheric Emission License.

Do not hesitate to contact Maureen Dlulisa on 021 573 6162 for any related queries.

Yours sincerely



*Pamela Mrubata*

**ANKERLIG POWER STATION**