

Messbericht Nr. 5510.14-19/ Juni 2019

Inhalt:

Messbericht für den Monat Juni 2019

zum Schallmonitoring am Bilster Berg Drive Resort

Monatsmessbericht gem. Nebenbestimmung Nr. II.37.1 Änderungsgenehmigung vom 27.08.2012

unter Berücksichtigung der Änderungsgenehmigung vom 07.11.2014

Darzustellen sind:

- Tagesmittelungspegel $L_{Aeq,Tag}$ an den RDMS für jeden Tag
- Betriebszeiten für jeden Tag
- Gesamtzahl der für den jeweiligen Tag pro Modul zugelassener Fahrzeuge
- Stundenmittelungspegel $L_{Aeq,1h}$ an den RDMS für alle Stunden außerhalb der Kernbetriebszeiten
- Betriebszeiten für die Nächte mit Betrieb

Betriebszeiten:

- Kernbetriebszeit: Werktage von 8:00 bis 20:00 Uhr,
Sonn- und Feiertage von 9:00 bis 13:00 und 14:30 bis 20:00 Uhr
- Irrelevante Tageszeit: Werktage von 6:00 bis 8:00 und 20:00 bis 22:00 Uhr,
Sonn- und Feiertage von 6:00 bis 9:00, 13:00 bis 14:30
und 20:00 bis 22:00 Uhr
- Nachtzeit: von 22:00 bis 6:00 Uhr

Emissions-Referenzwerte:

- zur Kernbetriebszeit: $L_{Aeq,Tag,RDMS\ 1\ West} = 74\ dB(A)$ und $L_{Aeq,Tag,RDMS\ 2\ Ost} = 75\ dB(A)$
- zur irrelevanten Tageszeit: $L_{Aeq,1h,RDMS\ 1\ West} = 65\ dB(A)$ und $L_{Aeq,1h,RDMS\ 2\ Ost} = 64\ dB(A)$
- zur Nachtzeit: $L_{Aeq,1h,RDMS\ 1\ West} = 61\ dB(A)$ und $L_{Aeq,1h,RDMS\ 2\ Ost} = 62\ dB(A)$

Zusammenfassung / Bemerkungen:

Der Anlagenbetrieb hat die Emissions-Referenzwerte an den

Referenzdaueremissionsstationen RDMS 1 West und RDMS 2 Ost ausnahmslos eingehalten.

Datum:

01.07.2019

Messstelle nach § 26 BImSchG:



BeSB GmbH Berlin, Schalltechnisches Büro

Undinestraße 43

12203 Berlin

Tabellen:

Betriebszeiten

Tagesmittelungspegel $L_{Aeq,Tag}$ an beiden RDMS und Fahrzeugzahlen

Stundenmittelungspegel $L_{Aeq,1h}$ für alle Stunden außerhalb der Kernbetriebszeiten RDMS 1 West

Stundenmittelungspegel $L_{Aeq,1h}$ für alle Stunden außerhalb der Kernbetriebszeiten RDMS 2 Ost

Betriebszeiten

| Datum | Tag | Betriebszeiten | | | | | | | | | | | | | |
|----------|-----|----------------|------|-------------|------|---------------|-------|--------------|------|-------------|------|-----------------|--|---------------|-------|
| | | Teststrecke | | | | | | | | | | Geländeparcours | | Dynamikfläche | |
| | | Tag | | | | | | Nacht | | | | | | | |
| | | Westschleife | | Ostschleife | | Gesamtstrecke | | Westschleife | | Ostschleife | | Tag | | Tag | |
| | | Beginn | Ende | Beginn | Ende | Beginn | Ende | Beginn | Ende | Beginn | Ende | | | | |
| 01.06.19 | Sa | | | | | | | | | | | | | | |
| 02.06.19 | So | | | | | 09:00 | 19:50 | | | | | | | | |
| 03.06.19 | Mo | | | | | 09:00 | 19:50 | | | | | | | | |
| 04.06.19 | Di | | | | | 09:00 | 19:15 | | | | | | | 09:00 | 17:00 |
| 05.06.19 | Mi | | | | | 09:00 | 19:50 | | | | | | | 15:30 | 16:30 |
| 06.06.19 | Do | | | | | 09:00 | 19:50 | | | | | | | | |
| 07.06.19 | Fr | | | | | 09:00 | 17:00 | | | | | | | 09:00 | 17:00 |
| 08.06.19 | Sa | | | | | 08:20 | 19:00 | | | | | | | | |
| 09.06.19 | So | | | | | 09:00 | 16:50 | | | | | | | | |
| 10.06.19 | Fei | | | | | 09:00 | 16:00 | | | | | | | | |
| 11.06.19 | Di | | | | | 09:00 | 19:50 | | | | | | | | |
| 12.06.19 | Mi | | | | | 08:45 | 19:55 | | | | | | | | |
| 13.06.19 | Do | | | | | 08:15 | 19:45 | | | | | | | | |
| 14.06.19 | Fr | | | | | 09:00 | 19:00 | | | | | | | 09:00 | 18:00 |
| 15.06.19 | Sa | | | | | 08:10 | 19:50 | | | | | | | 09:00 | 18:00 |
| 16.06.19 | So | | | | | 09:00 | 16:00 | | | | | | | 09:00 | 18:00 |
| 17.06.19 | Mo | | | | | 08:00 | 17:30 | | | | | | | | |
| 18.06.19 | Di | | | | | 09:00 | 19:50 | | | | | | | | |
| 19.06.19 | Mi | | | | | 09:00 | 17:00 | | | | | | | | |
| 20.06.19 | Fei | | | | | 15:00 | 17:00 | | | | | | | | |
| 21.06.19 | Fr | | | | | 12:00 | 18:00 | | | | | | | 09:00 | 20:00 |
| 22.06.19 | Sa | | | | | 09:00 | 18:00 | | | | | | | 09:00 | 20:00 |
| 23.06.19 | So | | | | | 09:00 | 18:00 | | | | | | | 09:00 | 20:00 |
| 24.06.19 | Mo | | | | | 11:00 | 19:50 | | | | | | | 09:00 | 20:00 |
| 25.06.19 | Di | | | | | 08:55 | 19:50 | | | | | | | 09:00 | 20:00 |
| 26.06.19 | Mi | | | | | 08:55 | 19:55 | | | | | | | 09:00 | 20:00 |
| 27.06.19 | Do | | | | | 08:55 | 19:55 | | | | | | | 09:00 | 20:00 |
| 28.06.19 | Fr | | | | | 08:55 | 19:50 | | | | | | | 09:00 | 20:00 |
| 29.06.19 | Sa | | | | | 08:55 | 19:50 | | | | | | | 09:00 | 20:00 |
| 30.06.19 | So | | | | | 09:00 | 18:05 | | | | | | | | |

Tagesmittelungspegel $L_{Aeq,Tag}$ an beiden RDMS und Fahrzeugzahlen

| Datum | Tag | $L_{Aeq,Tag}$ /dB(A) | | Anzahl Kfz inkl. Motorräder | | | | |
|----------|-----|----------------------|------------|-----------------------------|-------------|---------------|-----------------|---------------|
| | | RDMS 1 West | RDMS 2 Ost | Westschleife | Ostschleife | Gesamtstrecke | Geländeparcours | Dynamikfläche |
| 01.06.19 | Sa | 45.9 | 49.4 | | | | | |
| 02.06.19 | So | 70.5 | 72.0 | | | 89 | | |
| 03.06.19 | Mo | 70.7 | 72.3 | | | 145 | | |
| 04.06.19 | Di | 66.0 | 67.7 | | | 49 | | 12 |
| 05.06.19 | Mi | 65.0 | 65.9 | | | 14 | | 9 |
| 06.06.19 | Do | 66.3 | 65.8 | | | 27 | | |
| 07.06.19 | Fr | 68.6 | 69.1 | | | 24 | | 1 |
| 08.06.19 | Sa | 66.3 | 69.8 | | | 21 | | |
| 09.06.19 | So | 49.3 | 52.4 | | | 12 | | |
| 10.06.19 | Fei | 62.2 | 63.9 | | | 13 | | |
| 11.06.19 | Di | 65.4 | 69.0 | | | 82 | | |
| 12.06.19 | Mi | 62.1 | 65.7 | | | 54 | | |
| 13.06.19 | Do | 66.2 | 68.7 | | | 35 | | |
| 14.06.19 | Fr | 66.0 | 68.9 | | | 47 | | 23 |
| 15.06.19 | Sa | 68.6 | 71.5 | | | 43 | | 23 |
| 16.06.19 | So | 64.1 | 68.8 | | | 31 | | 23 |
| 17.06.19 | Mo | 71.1 | 74.8 | | | 109 | | |
| 18.06.19 | Di | 70.9 | 72.5 | | | 42 | | |
| 19.06.19 | Mi | 68.9 | 69.9 | | | 75 | | |
| 20.06.19 | Fei | 59.9 | 59.2 | | | 14 | | |
| 21.06.19 | Fr | 52.2 | 52.2 | | | 3 | | 12 |
| 22.06.19 | Sa | 71.7 | 72.3 | | | 44 | | 12 |
| 23.06.19 | So | 68.0 | 69.6 | | | 31 | | 12 |
| 24.06.19 | Mo | 60.5 | 61.0 | | | 41 | | 12 |
| 25.06.19 | Di | 62.9 | 63.2 | | | 38 | | 12 |
| 26.06.19 | Mi | 63.1 | 62.4 | | | 38 | | 12 |
| 27.06.19 | Do | 63.0 | 62.9 | | | 41 | | 12 |
| 28.06.19 | Fr | 63.3 | 63.2 | | | 41 | | 12 |
| 29.06.19 | Sa | 68.1 | 70.2 | | | 77 | | 12 |
| 30.06.19 | So | 70.4 | 73.2 | | | 180 | | |

Stundenmittlungspegel $L_{Aeq,1h}$ für alle Stunden außerhalb der Kernbetriebszeiten RDMS 1 West

| Datum | Tag | $L_{Aeq,1h}$ RDMS 1 West / dB(A) | | | | | | | | | | | | | | |
|----------|-----|----------------------------------|-------|-------|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 06-07 | 07-08 | 08-09 | 13:00-14:00 | 13:30-14:30 | 20-21 | 21-22 | 22-23 | 23-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 |
| 01.06.19 | Sa | 46.8 | 46.2 | | | | 44.9 | 44.1 | 43.3 | 42.8 | 42.9 | 42.8 | 44.3 | 42.8 | 49.5 | 48.2 |
| 02.06.19 | So | 47.8 | 46.4 | 47.0 | 48.7 | 47.6 | 48.4 | 44.8 | 43.8 | 44.0 | 44.0 | 44.1 | 44.7 | 43.1 | 48.6 | 46.7 |
| 03.06.19 | Mo | 46.7 | 46.1 | | | | 50.1 | 45.9 | 43.4 | 43.0 | 42.9 | 42.7 | 44.1 | 42.7 | 49.4 | 48.3 |
| 04.06.19 | Di | 47.2 | 45.2 | | | | 48.3 | 48.2 | 47.7 | 46.4 | 44.9 | 52.6 | 47.8 | 43.0 | 49.8 | 46.4 |
| 05.06.19 | Mi | 45.9 | 46.1 | | | | 53.7 | 46.9 | 43.9 | 43.5 | 44.2 | 48.2 | 46.4 | 61.8 | 50.3 | 47.9 |
| 06.06.19 | Do | 46.6 | 48.2 | | | | 48.5 | 44.8 | 43.4 | 43.2 | 43.3 | 42.8 | 44.2 | 42.8 | 48.8 | 46.0 |
| 07.06.19 | Fr | 46.1 | 45.4 | | | | 59.6 | 63.5 | 46.2 | 46.3 | 46.3 | 46.5 | 47.1 | 49.0 | 50.8 | 47.0 |
| 08.06.19 | Sa | 50.2 | 46.6 | | | | 45.9 | 45.7 | 45.4 | 45.7 | 44.6 | 44.3 | 45.1 | 42.9 | 49.6 | 45.0 |
| 09.06.19 | So | 48.2 | 46.0 | 46.4 | 45.3 | 45.6 | 45.9 | 45.3 | 44.9 | 44.3 | 44.2 | 44.0 | 45.3 | 44.2 | 49.4 | 46.5 |
| 10.06.19 | Fei | 59.2 | 61.4 | 48.0 | 46.2 | 46.4 | 44.8 | 45.1 | 43.3 | 43.2 | 43.0 | 42.8 | 44.2 | 42.9 | 53.2 | 50.1 |
| 11.06.19 | Di | 48.9 | 47.9 | | | | 45.9 | 45.9 | 44.5 | 44.4 | 44.4 | 44.2 | 45.3 | 44.2 | 49.0 | 48.1 |
| 12.06.19 | Mi | 51.6 | 47.9 | | | | 50.4 | 46.6 | 45.3 | 44.5 | 44.7 | 44.9 | 46.1 | 45.4 | 50.6 | 48.2 |
| 13.06.19 | Do | 48.1 | 48.0 | | | | 49.5 | 50.8 | 45.3 | 44.6 | 44.8 | 44.5 | 45.4 | 44.7 | 49.8 | 47.2 |
| 14.06.19 | Fr | 47.4 | 47.4 | | | | 46.2 | 45.0 | 44.8 | 44.5 | 44.4 | 44.3 | 46.3 | 44.6 | 51.8 | 47.4 |
| 15.06.19 | Sa | 47.4 | 47.3 | | | | 49.1 | 45.5 | 44.6 | 44.7 | 44.4 | 44.2 | 45.5 | 44.4 | 49.0 | 48.0 |
| 16.06.19 | So | 47.4 | 47.3 | 46.8 | 47.3 | 46.1 | 49.0 | 45.6 | 45.2 | 44.6 | 44.5 | 44.4 | 45.5 | 44.2 | 53.1 | 48.8 |
| 17.06.19 | Mo | 48.2 | 48.4 | | | | 46.2 | 46.4 | 45.6 | 45.5 | 45.6 | 45.1 | 45.8 | 44.8 | 52.1 | 48.4 |
| 18.06.19 | Di | 48.3 | 49.8 | | | | 50.4 | 51.2 | 45.0 | 45.0 | 45.0 | 44.9 | 45.9 | 44.8 | 49.1 | 47.5 |
| 19.06.19 | Mi | 47.4 | 47.4 | | | | 47.7 | 45.7 | 54.0 | 49.6 | 45.0 | 45.0 | 45.8 | 45.3 | 50.4 | 47.6 |
| 20.06.19 | Fei | 47.5 | 46.7 | 48.8 | 47.1 | 47.2 | 46.9 | 46.6 | 45.6 | 45.0 | 45.0 | 44.7 | 44.9 | 45.0 | 51.1 | 47.7 |
| 21.06.19 | Fr | 49.0 | 51.3 | | | | 46.5 | 46.8 | 45.6 | 44.8 | 44.7 | 44.8 | 44.6 | 44.7 | 49.9 | 47.0 |
| 22.06.19 | Sa | 52.8 | 47.1 | | | | 48.7 | 50.8 | 45.0 | 44.9 | 44.8 | 44.7 | 44.7 | 44.8 | 48.8 | 46.8 |
| 23.06.19 | So | 48.8 | 49.1 | 48.7 | 46.9 | 47.6 | 46.4 | 45.3 | 45.2 | 44.8 | 44.7 | 45.0 | 45.3 | 44.9 | 48.9 | 46.8 |
| 24.06.19 | Mo | 47.3 | 47.8 | | | | 48.6 | 48.1 | 45.9 | 45.8 | 45.3 | 45.1 | 45.1 | 45.2 | 49.1 | 47.7 |
| 25.06.19 | Di | 47.5 | 47.0 | | | | 46.9 | 46.3 | 46.4 | 48.5 | 44.6 | 44.0 | 44.1 | 44.6 | 48.4 | 47.6 |
| 26.06.19 | Mi | 47.9 | 48.1 | | | | 47.0 | 47.0 | 44.7 | 44.7 | 43.9 | 43.5 | 44.0 | 43.6 | 49.2 | 47.3 |
| 27.06.19 | Do | 45.9 | 45.8 | | | | 49.3 | 45.3 | 44.5 | 45.3 | 43.5 | 43.2 | 43.9 | 43.2 | 49.5 | 47.6 |
| 28.06.19 | Fr | 47.0 | 45.6 | | | | 49.4 | 45.2 | 44.4 | 45.4 | 43.3 | 43.3 | 44.1 | 43.2 | 49.2 | 47.9 |
| 29.06.19 | Sa | 47.2 | 46.8 | | | | 50.0 | 45.3 | 44.4 | 44.4 | 44.9 | 45.1 | 45.4 | 43.9 | 49.3 | 47.8 |
| 30.06.19 | So | 47.6 | 47.3 | 48.3 | 50.4 | 51.9 | 45.3 | 44.4 | 43.8 | 43.8 | 43.6 | 43.3 | 44.1 | 43.3 | 49.7 | 47.4 |

Der Mittelungspegel in der Nacht vom 05-06.06.19 zwischen 03:00-04:00 Uhr wurde durch Wind und Wetter verursacht.

Stundenmittelungspegel $L_{Aeq,1h}$ für alle Stunden außerhalb der Kernbetriebszeiten RDMS 2 Ost

| Datum | Tag | $L_{Aeq,1h}$ RDMS 2 Ost / dB(A) | | | | | | | | | | | | | | |
|----------|-----|---------------------------------|-------|-------|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 06-07 | 07-08 | 08-09 | 13:00-14:00 | 13:30-14:30 | 20-21 | 21-22 | 22-23 | 23-00 | 00-01 | 01-02 | 02-03 | 03-04 | 04-05 | 05-06 |
| 01.06.19 | Sa | 44.4 | 44.4 | | | | 43.3 | 45.4 | 44.1 | 43.4 | 42.9 | 41.3 | 43.1 | 42.0 | 52.4 | 44.6 |
| 02.06.19 | So | 58.7 | 45.2 | 46.6 | 48.2 | 47.7 | 50.8 | 43.2 | 41.4 | 41.4 | 40.6 | 40.5 | 42.7 | 40.4 | 48.7 | 45.7 |
| 03.06.19 | Mo | 45.1 | 46.3 | | | | 51.9 | 46.3 | 44.8 | 42.7 | 42.6 | 42.4 | 43.7 | 42.6 | 51.8 | 49.0 |
| 04.06.19 | Di | 46.1 | 44.3 | | | | 47.1 | 44.5 | 42.7 | 42.3 | 42.6 | 47.0 | 45.2 | 42.1 | 55.2 | 46.0 |
| 05.06.19 | Mi | 44.4 | 45.4 | | | | 44.9 | 44.7 | 43.3 | 42.8 | 40.0 | 41.2 | 43.2 | 52.8 | 49.6 | 46.7 |
| 06.06.19 | Do | 45.4 | 45.8 | | | | 48.5 | 43.5 | 40.9 | 40.2 | 40.5 | 39.5 | 41.5 | 39.6 | 53.4 | 46.1 |
| 07.06.19 | Fr | 44.8 | 44.0 | | | | 57.8 | 63.5 | 48.5 | 47.6 | 44.9 | 45.4 | 47.0 | 48.6 | 49.3 | 46.9 |
| 08.06.19 | Sa | 52.2 | 48.0 | | | | 44.2 | 44.6 | 42.7 | 41.7 | 40.1 | 39.6 | 45.7 | 40.3 | 54.0 | 43.7 |
| 09.06.19 | So | 46.0 | 43.6 | 45.6 | 44.8 | 44.1 | 62.4 | 51.3 | 44.8 | 43.1 | 43.1 | 42.8 | 44.0 | 42.1 | 57.3 | 51.7 |
| 10.06.19 | Fei | 46.2 | 54.1 | 48.0 | 44.5 | 47.7 | 45.9 | 46.3 | 40.5 | 40.9 | 40.3 | 40.6 | 41.9 | 40.6 | 47.4 | 50.8 |
| 11.06.19 | Di | 50.5 | 50.4 | | | | 47.4 | 44.8 | 43.2 | 42.1 | 43.0 | 42.2 | 43.8 | 42.8 | 51.6 | 46.9 |
| 12.06.19 | Mi | 48.1 | 47.1 | | | | 48.1 | 51.6 | 41.7 | 41.6 | 40.5 | 41.9 | 44.1 | 43.7 | 47.3 | 45.6 |
| 13.06.19 | Do | 45.5 | 46.8 | | | | 48.3 | 49.0 | 41.5 | 41.2 | 40.4 | 39.8 | 44.1 | 42.1 | 46.9 | 46.4 |
| 14.06.19 | Fr | 46.2 | 46.2 | | | | 46.9 | 45.5 | 42.1 | 42.5 | 39.8 | 39.3 | 44.2 | 40.1 | 45.8 | 46.1 |
| 15.06.19 | Sa | 47.4 | 48.8 | | | | 51.6 | 45.1 | 42.2 | 42.0 | 41.1 | 40.7 | 42.2 | 39.7 | 46.6 | 46.2 |
| 16.06.19 | So | 44.8 | 45.3 | 48.4 | 45.5 | 44.0 | 47.3 | 44.4 | 43.1 | 42.0 | 42.5 | 42.4 | 44.0 | 42.5 | 47.4 | 45.5 |
| 17.06.19 | Mo | 46.7 | 46.0 | | | | 45.1 | 45.7 | 43.4 | 42.8 | 42.3 | 41.9 | 43.5 | 41.6 | 48.2 | 47.3 |
| 18.06.19 | Di | 44.0 | 46.2 | | | | 47.9 | 48.4 | 43.0 | 42.5 | 42.9 | 41.9 | 43.9 | 42.6 | 47.3 | 45.4 |
| 19.06.19 | Mi | 45.3 | 45.1 | | | | 44.9 | 42.2 | 51.1 | 49.2 | 42.9 | 42.8 | 45.9 | 43.6 | 52.0 | 45.0 |
| 20.06.19 | Fei | 45.3 | 45.3 | 44.9 | 46.9 | 47.1 | 45.0 | 44.6 | 41.6 | 40.5 | 41.4 | 41.2 | 42.6 | 41.2 | 55.1 | 44.3 |
| 21.06.19 | Fr | 46.7 | 60.7 | | | | 51.7 | 44.7 | 43.2 | 42.1 | 42.5 | 42.4 | 44.0 | 43.1 | 52.6 | 46.4 |
| 22.06.19 | Sa | 47.6 | 46.6 | | | | 48.3 | 48.0 | 44.0 | 42.4 | 41.4 | 41.9 | 43.7 | 42.3 | 51.4 | 44.1 |
| 23.06.19 | So | 44.9 | 53.1 | 47.7 | 45.8 | 46.3 | 45.3 | 44.8 | 42.9 | 41.6 | 42.7 | 42.5 | 43.9 | 42.7 | 51.6 | 45.5 |
| 24.06.19 | Mo | 45.3 | 47.5 | | | | 47.8 | 47.5 | 42.6 | 42.3 | 43.0 | 42.7 | 42.6 | 40.9 | 49.5 | 44.4 |
| 25.06.19 | Di | 46.2 | 45.2 | | | | 48.0 | 44.7 | 42.4 | 42.3 | 41.0 | 40.6 | 44.5 | 45.5 | 50.2 | 46.8 |
| 26.06.19 | Mi | 48.1 | 46.5 | | | | 46.1 | 51.8 | 42.0 | 40.2 | 41.9 | 40.9 | 43.2 | 41.1 | 49.8 | 48.5 |
| 27.06.19 | Do | 45.5 | 44.8 | | | | 48.0 | 46.7 | 41.2 | 40.0 | 40.3 | 40.1 | 42.3 | 40.4 | 49.1 | 46.1 |
| 28.06.19 | Fr | 46.7 | 44.8 | | | | 51.4 | 45.6 | 42.8 | 42.6 | 41.9 | 42.5 | 44.2 | 42.2 | 52.8 | 47.6 |
| 29.06.19 | Sa | 45.1 | 44.6 | | | | 50.0 | 46.3 | 43.5 | 42.7 | 42.6 | 42.6 | 44.2 | 42.4 | 51.9 | 45.7 |
| 30.06.19 | So | 46.4 | 48.1 | 48.9 | 49.1 | 49.0 | 46.2 | 43.8 | 42.7 | 40.7 | 41.3 | 41.6 | 43.5 | 41.5 | 52.2 | 45.9 |