

Messbericht Nr. 5510.12-18/ Dezember 2018

Inhalt:

Messbericht für den Monat Dezember 2018

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:

07.01.2019

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 | | | | | Tag | | Tag | | |
| | | Westschleife | | Ostschleife | | Gesamtstrecke | | Westschleife | | Ostschleife | | | | | | |
| Beginn | Ende | Beginn | Ende | Beginn | Ende | Beginn | Ende | Beginn | Ende | Beginn | Ende | Beginn | Ende | | | |
| 01.12.18 | Sa | | | | | | | | | | | | | | | |
| 02.12.18 | So | | | | | | | | | | | | | | | |
| 03.12.18 | Mo | | | | | | | | | | | | | | | |
| 04.12.18 | Di | | | | | | | | | | | | | | | |
| 05.12.18 | Mi | | | | | 10:00 | 16:45 | | | | | | | | 10:30 | 12:30 |
| 06.12.18 | Do | | | | | 11:00 | 15:00 | | | | | | | | | |
| 07.12.18 | Fr | | | | | | | | | | | 10:00 | 14:00 | | | |
| 08.12.18 | Sa | | | | | | | | | | | | | | | |
| 09.12.18 | So | | | | | | | | | | | | | | | |
| 10.12.18 | Mo | | | | | 10:00 | 15:15 | | | | | | | | | |
| 11.12.18 | Di | | | | | | | | | | | | | | | |
| 12.12.18 | Mi | | | | | | | | | | | | | | | |
| 13.12.18 | Do | | | | | 10:00 | 14:00 | | | | | | | | 11:00 | 12:30 |
| 14.12.18 | Fr | | | | | | | | | | | | | | | |
| 15.12.18 | Sa | | | | | | | | | | | | | | | |
| 16.12.18 | So | | | | | 09:15 | 11:30 | | | | | | | | | |
| 17.12.18 | Mo | | | | | | | | | | | | | | | |
| 18.12.18 | Di | | | | | | | | | | | | | | | |
| 19.12.18 | Mi | | | | | | | | | | | | | | | |
| 20.12.18 | Do | | | | | | | | | | | | | | | |
| 21.12.18 | Fr | | | | | | | | | | | | | | | |
| 22.12.18 | Sa | | | | | | | | | | | | | | | |
| 23.12.18 | So | | | | | | | | | | | | | | | |
| 24.12.18 | Mo | | | | | | | | | | | | | | | |
| 25.12.18 | Fei | | | | | | | | | | | | | | | |
| 26.12.18 | Fei | | | | | | | | | | | | | | | |
| 27.12.18 | Do | | | | | | | | | | | | | | | |
| 28.12.18 | Fr | | | | | | | | | | | | | | | |
| 29.12.18 | Sa | | | | | | | | | | | | | | | |
| 30.12.18 | So | | | | | | | | | | | | | | | |
| 31.12.18 | Mo | | | | | | | | | | | | | | | |

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 | Geländepercours | Dynamikfläche |
| 01.12.18 | Sa | 45.4 | 42.9 | | | | | |
| 02.12.18 | So | 54.8 | 48.3 | | | | | |
| 03.12.18 | Mo | 52.9 | 47.0 | | | | | |
| 04.12.18 | Di | 46.4 | 42.9 | | | | | |
| 05.12.18 | Mi | 48.3 | 47.6 | | | 3 | | 1 |
| 06.12.18 | Do | 54.9 | 54.9 | | | 16 | | |
| 07.12.18 | Fr | 56.7 | 50.5 | | | | 7 | |
| 08.12.18 | Sa | 62.9 | 53.9 | | | | | |
| 09.12.18 | So | 62.8 | 53.4 | | | | | |
| 10.12.18 | Mo | 58.5 | 56.2 | | | 17 | | |
| 11.12.18 | Di | 48.7 | 45.8 | | | | | |
| 12.12.18 | Mi | 46.2 | 42.4 | | | | | |
| 13.12.18 | Do | 52.7 | 52.2 | | | 8 | | 2 |
| 14.12.18 | Fr | 45.0 | 39.7 | | | | | |
| 15.12.18 | Sa | 46.8 | 41.3 | | | | | |
| 16.12.18 | So | 48.8 | 48.7 | | | 9 | | |
| 17.12.18 | Mo | 46.8 | 42.1 | | | | | |
| 18.12.18 | Di | 50.0 | 48.5 | | | | | |
| 19.12.18 | Mi | 48.1 | 46.3 | | | | | |
| 20.12.18 | Do | 45.8 | 42.3 | | | | | |
| 21.12.18 | Fr | 69.2 | 56.7 | | | | | |
| 22.12.18 | Sa | 57.4 | 49.4 | | | | | |
| 23.12.18 | So | 50.2 | 43.0 | | | | | |
| 24.12.18 | Mo | 46.2 | 40.6 | | | | | |
| 25.12.18 | Fei | 48.5 | 40.5 | | | | | |
| 26.12.18 | Fei | 49.0 | 41.0 | | | | | |
| 27.12.18 | Do | 44.0 | 38.7 | | | | | |
| 28.12.18 | Fr | 46.3 | 40.5 | | | | | |
| 29.12.18 | Sa | 58.1 | 47.5 | | | | | |
| 30.12.18 | So | 46.0 | 42.0 | | | | | |
| 31.12.18 | Mo | 46.8 | 39.4 | | | | | |

Stundenmittelungspegel $L_{Aeq,1h}$ 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 |
| 01.12.18 | Sa | 44.0 | 44.0 | | | | 45.6 | 49.4 | 50.0 | 51.0 | 48.6 | 48.9 | 49.6 | 49.5 | 48.9 | 49.3 |
| 02.12.18 | So | 48.1 | 49.4 | 49.3 | 52.6 | 53.9 | 58.0 | 59.4 | 54.8 | 47.3 | 46.0 | 48.3 | 48.7 | 51.4 | 50.0 | 51.7 |
| 03.12.18 | Mo | 56.4 | 57.0 | | | | 44.1 | 48.5 | 55.6 | 56.2 | 57.0 | 46.5 | 44.4 | 44.5 | 45.0 | 46.5 |
| 04.12.18 | Di | 47.4 | 47.2 | | | | 44.0 | 43.5 | 43.4 | 43.3 | 43.3 | 43.1 | 43.5 | 43.3 | 43.4 | 43.6 |
| 05.12.18 | Mi | 44.0 | 47.3 | | | | 48.9 | 49.0 | 50.8 | 52.8 | 52.7 | 50.6 | 49.5 | 47.4 | 47.6 | 47.0 |
| 06.12.18 | Do | 45.8 | 45.1 | | | | 48.9 | 57.4 | 53.8 | 54.2 | 55.2 | 54.8 | 53.6 | 54.9 | 55.6 | 49.5 |
| 07.12.18 | Fr | 48.4 | 46.5 | | | | 66.9 | 61.5 | 59.2 | 59.4 | 66.3 | 64.4 | 65.2 | 62.1 | 65.3 | 61.3 |
| 08.12.18 | Sa | 59.6 | 62.6 | | | | 51.9 | 54.7 | 55.5 | 55.5 | 64.1 | 69.3 | 62.1 | 69.3 | 65.5 | 64.0 |
| 09.12.18 | So | 64.3 | 66.4 | 69.2 | 56.0 | 56.2 | 54.2 | 57.6 | 55.6 | 55.2 | 53.9 | 54.8 | 53.0 | 55.0 | 55.2 | 57.8 |
| 10.12.18 | Mo | 56.7 | 57.8 | | | | 56.7 | 56.3 | 54.6 | 52.9 | 55.3 | 56.4 | 55.4 | 55.2 | 56.6 | 54.5 |
| 11.12.18 | Di | 52.8 | 52.0 | | | | 43.7 | 44.3 | 44.1 | 43.7 | 43.8 | 43.8 | 43.9 | 43.9 | 43.6 | 43.7 |
| 12.12.18 | Mi | 44.2 | 44.3 | | | | 44.2 | 44.1 | 44.7 | 43.9 | 43.5 | 43.4 | 43.6 | 43.3 | 43.4 | 43.3 |
| 13.12.18 | Do | 43.9 | 44.3 | | | | 43.7 | 43.8 | 43.5 | 43.3 | 43.4 | 44.0 | 43.6 | 43.4 | 44.1 | 43.4 |
| 14.12.18 | Fr | 44.1 | 43.6 | | | | 43.8 | 43.3 | 43.6 | 43.1 | 43.3 | 43.4 | 44.4 | 43.6 | 43.4 | 43.0 |
| 15.12.18 | Sa | 43.1 | 43.4 | | | | 48.4 | 53.1 | 51.9 | 54.4 | 56.7 | 52.9 | 49.8 | 46.8 | 47.8 | 47.9 |
| 16.12.18 | So | 46.9 | 46.0 | 45.0 | 44.3 | 43.9 | 43.6 | 43.6 | 43.8 | 43.5 | 43.1 | 43.6 | 43.7 | 43.4 | 43.2 | 43.5 |
| 17.12.18 | Mo | 43.4 | 44.0 | | | | 49.9 | 52.3 | 51.6 | 47.3 | 48.0 | 45.4 | 44.1 | 43.9 | 43.7 | 43.7 |
| 18.12.18 | Di | 44.8 | 43.9 | | | | 54.2 | 58.1 | 58.3 | 59.3 | 57.9 | 54.7 | 50.9 | 51.9 | 55.4 | 52.0 |
| 19.12.18 | Mi | 52.1 | 51.6 | | | | 45.2 | 45.3 | 44.8 | 44.8 | 44.9 | 44.7 | 45.2 | 45.0 | 45.6 | 44.8 |
| 20.12.18 | Do | 45.9 | 45.4 | | | | 44.7 | 44.6 | 44.8 | 47.7 | 51.7 | 47.5 | 44.8 | 44.8 | 44.4 | 44.5 |
| 21.12.18 | Fr | 46.5 | 49.1 | | | | 75.8 | 72.3 | 74.2 | 72.5 | 68.8 | 65.3 | 61.1 | 56.7 | 61.5 | 57.9 |
| 22.12.18 | Sa | 50.3 | 45.5 | | | | 54.9 | 51.6 | 49.4 | 48.2 | 48.3 | 52.7 | 53.5 | 54.2 | 54.3 | 51.5 |
| 23.12.18 | So | 52.1 | 50.5 | 51.5 | 50.0 | 48.0 | 44.7 | 46.3 | 44.2 | 44.1 | 43.5 | 43.7 | 43.9 | 44.5 | 44.7 | 44.2 |
| 24.12.18 | Mo | 44.6 | 44.4 | | | | 47.9 | 46.7 | 45.3 | 45.3 | 46.2 | 45.5 | 45.4 | 46.6 | 48.4 | 49.4 |
| 25.12.18 | Fei | 48.7 | 48.8 | 48.7 | 48.7 | 47.3 | 47.9 | 48.1 | 47.8 | 47.5 | 48.7 | 52.0 | 52.2 | 48.6 | 50.2 | 51.5 |
| 26.12.18 | Fei | 50.3 | 49.5 | 52.3 | 48.5 | 48.5 | 46.3 | 43.8 | 43.7 | 43.7 | 43.4 | 43.4 | 43.6 | 43.4 | 43.7 | 45.6 |
| 27.12.18 | Do | 44.1 | 45.4 | | | | 43.9 | 44.0 | 43.8 | 43.5 | 43.4 | 45.0 | 44.7 | 45.2 | 45.0 | 47.1 |
| 28.12.18 | Fr | 45.8 | 45.4 | | | | 46.5 | 47.3 | 47.5 | 47.5 | 46.6 | 47.4 | 48.2 | 48.5 | 48.4 | 47.6 |
| 29.12.18 | Sa | 48.1 | 48.5 | | | | 64.3 | 62.4 | 61.7 | 58.0 | 59.3 | 52.9 | 56.4 | 51.9 | 46.4 | 47.1 |
| 30.12.18 | So | 45.1 | 45.6 | 44.6 | 48.3 | 47.8 | 43.6 | 45.0 | 44.5 | 45.6 | 45.6 | 45.3 | 45.2 | 44.6 | 44.7 | 45.3 |
| 31.12.18 | Mo | 44.6 | 44.0 | | | | 48.6 | 50.5 | 55.8 | 51.6 | 57.8 | 55.6 | 58.0 | 57.8 | 58.4 | 58.0 |

Sämtliche Überschreitungen der Emissions-Referenzwerte wurden durch Wetter und starken Wind 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 |
| 01.12.18 | Sa | 40.1 | 40.1 | | | | 43.1 | 48.0 | 50.8 | 53.7 | 49.4 | 49.3 | 49.9 | 48.6 | 49.1 | 48.8 |
| 02.12.18 | So | 47.7 | 49.9 | 48.3 | 49.4 | 48.8 | 46.1 | 49.4 | 42.1 | 39.4 | 40.7 | 43.2 | 42.9 | 49.6 | 50.1 | 42.0 |
| 03.12.18 | Mo | 50.5 | 48.0 | | | | 39.6 | 42.2 | 45.1 | 47.4 | 51.4 | 47.6 | 42.8 | 41.5 | 40.6 | 40.7 |
| 04.12.18 | Di | 41.7 | 43.8 | | | | 39.6 | 38.2 | 38.0 | 38.1 | 37.6 | 37.5 | 39.4 | 38.2 | 38.4 | 39.0 |
| 05.12.18 | Mi | 40.0 | 40.1 | | | | 48.9 | 50.6 | 49.7 | 52.2 | 50.1 | 49.6 | 45.8 | 44.5 | 44.3 | 43.4 |
| 06.12.18 | Do | 43.2 | 43.0 | | | | 40.3 | 44.8 | 45.9 | 44.9 | 46.5 | 45.5 | 46.0 | 45.2 | 47.0 | 42.9 |
| 07.12.18 | Fr | 41.6 | 41.4 | | | | 58.7 | 53.8 | 49.3 | 49.5 | 53.4 | 50.5 | 52.9 | 51.6 | 54.1 | 50.6 |
| 08.12.18 | Sa | 51.6 | 57.1 | | | | 48.0 | 51.1 | 55.8 | 57.0 | 52.1 | 60.7 | 51.9 | 55.8 | 56.6 | 55.7 |
| 09.12.18 | So | 56.1 | 54.2 | 56.9 | 44.9 | 45.7 | 54.0 | 53.3 | 51.5 | 54.8 | 51.3 | 49.1 | 47.0 | 48.9 | 49.7 | 52.9 |
| 10.12.18 | Mo | 48.4 | 54.3 | | | | 52.8 | 53.0 | 52.5 | 51.1 | 52.6 | 52.9 | 51.8 | 52.6 | 50.7 | 50.0 |
| 11.12.18 | Di | 51.0 | 48.0 | | | | 39.2 | 40.6 | 39.7 | 38.8 | 38.1 | 38.0 | 39.8 | 37.9 | 37.6 | 38.1 |
| 12.12.18 | Mi | 39.0 | 38.8 | | | | 38.1 | 38.4 | 39.2 | 38.1 | 37.3 | 37.5 | 39.1 | 37.1 | 37.5 | 37.5 |
| 13.12.18 | Do | 39.2 | 39.6 | | | | 38.0 | 38.1 | 37.7 | 37.2 | 37.8 | 38.5 | 39.3 | 37.2 | 37.4 | 37.6 |
| 14.12.18 | Fr | 39.4 | 38.6 | | | | 37.6 | 37.5 | 38.4 | 37.1 | 37.3 | 37.2 | 39.2 | 37.1 | 37.1 | 37.1 |
| 15.12.18 | Sa | 37.1 | 37.6 | | | | 42.5 | 47.6 | 44.9 | 47.5 | 51.2 | 49.2 | 43.1 | 45.3 | 42.3 | 43.4 |
| 16.12.18 | So | 41.9 | 43.0 | 44.3 | 43.5 | 42.8 | 38.8 | 39.0 | 39.2 | 39.0 | 38.1 | 38.9 | 41.7 | 40.8 | 38.8 | 39.4 |
| 17.12.18 | Mo | 40.2 | 41.0 | | | | 39.9 | 41.1 | 40.4 | 38.2 | 38.4 | 38.6 | 40.0 | 38.5 | 38.9 | 38.6 |
| 18.12.18 | Di | 40.7 | 39.2 | | | | 51.3 | 55.1 | 57.2 | 56.5 | 56.5 | 54.3 | 50.1 | 54.4 | 55.2 | 52.7 |
| 19.12.18 | Mi | 50.8 | 50.4 | | | | 41.3 | 41.9 | 40.8 | 41.0 | 40.8 | 40.7 | 43.4 | 40.8 | 43.1 | 41.3 |
| 20.12.18 | Do | 42.8 | 41.8 | | | | 41.0 | 41.4 | 39.8 | 40.9 | 49.1 | 44.9 | 41.3 | 39.8 | 39.9 | 39.7 |
| 21.12.18 | Fr | 42.6 | 47.4 | | | | 63.5 | 58.0 | 61.2 | 58.3 | 60.3 | 57.2 | 54.1 | 50.5 | 46.1 | 43.6 |
| 22.12.18 | Sa | 47.0 | 45.8 | | | | 49.0 | 43.2 | 42.1 | 41.9 | 41.5 | 42.1 | 43.5 | 41.9 | 42.7 | 40.7 |
| 23.12.18 | So | 40.2 | 39.5 | 40.2 | 43.3 | 44.4 | 44.1 | 46.7 | 43.1 | 41.4 | 40.2 | 40.5 | 41.4 | 42.7 | 44.0 | 41.0 |
| 24.12.18 | Mo | 41.9 | 40.8 | | | | 39.7 | 40.9 | 39.1 | 38.9 | 38.6 | 38.3 | 40.2 | 38.1 | 39.3 | 39.6 |
| 25.12.18 | Fei | 39.5 | 39.5 | 41.4 | 40.5 | 40.8 | 39.6 | 39.4 | 38.4 | 38.7 | 39.0 | 39.7 | 41.0 | 38.4 | 40.2 | 40.7 |
| 26.12.18 | Fei | 43.1 | 41.7 | 42.8 | 41.2 | 40.2 | 38.3 | 38.4 | 38.8 | 38.1 | 38.0 | 38.2 | 39.8 | 37.8 | 38.0 | 38.0 |
| 27.12.18 | Do | 37.6 | 38.0 | | | | 37.8 | 37.9 | 37.8 | 37.8 | 37.3 | 37.3 | 39.3 | 38.2 | 38.5 | 37.8 |
| 28.12.18 | Fr | 39.2 | 38.1 | | | | 40.8 | 42.8 | 43.3 | 41.1 | 40.3 | 40.2 | 42.2 | 42.6 | 41.7 | 40.3 |
| 29.12.18 | Sa | 41.1 | 41.5 | | | | 53.0 | 51.6 | 57.9 | 54.3 | 54.5 | 52.4 | 58.5 | 54.0 | 48.3 | 44.5 |
| 30.12.18 | So | 43.7 | 45.4 | 42.6 | 42.8 | 41.9 | 37.9 | 38.4 | 38.7 | 38.8 | 38.5 | 38.4 | 40.5 | 38.4 | 39.8 | 40.1 |
| 31.12.18 | Mo | 40.3 | 38.9 | | | | 39.7 | 39.6 | 43.3 | 40.8 | 49.7 | 44.0 | 48.4 | 47.0 | 50.4 | 49.4 |