

Behrens and Associates, Inc.

Environmental Noise Control



January 20, 2024

TEP Barnett USA, LLC.
301 Commerce Street
Suite 3701
Fort Worth, Texas, 76102

Attention: Julie Miller

Subject: Bruder Pad Site Continuous Operational Sound Level Survey

Dear Ms. Miller,

Please find the attached charts displaying the measured operational sound levels adjacent to the Bruder pad site from Friday, January 19, to Saturday, January 20, 2024. The charts display the measured hourly average sound levels as well as the allowable completions (hydraulic fracturing) ops. sound level. The allowable sound level was calculated from ambient sound level data reported in the "Bruder Pad 72-Hour Ambient Sound Level Report" conducted by Behrens and Associates, Inc. Environmental Noise Control reported April 23, 2012.

Please contact me if you have any questions or comments.

Best Regards,

Chris J. Hayes
Operations Coordinator – Midwest
Lead Acoustical Technician
Behrens & Associates Inc.
Environmental Noise Control



Attachments

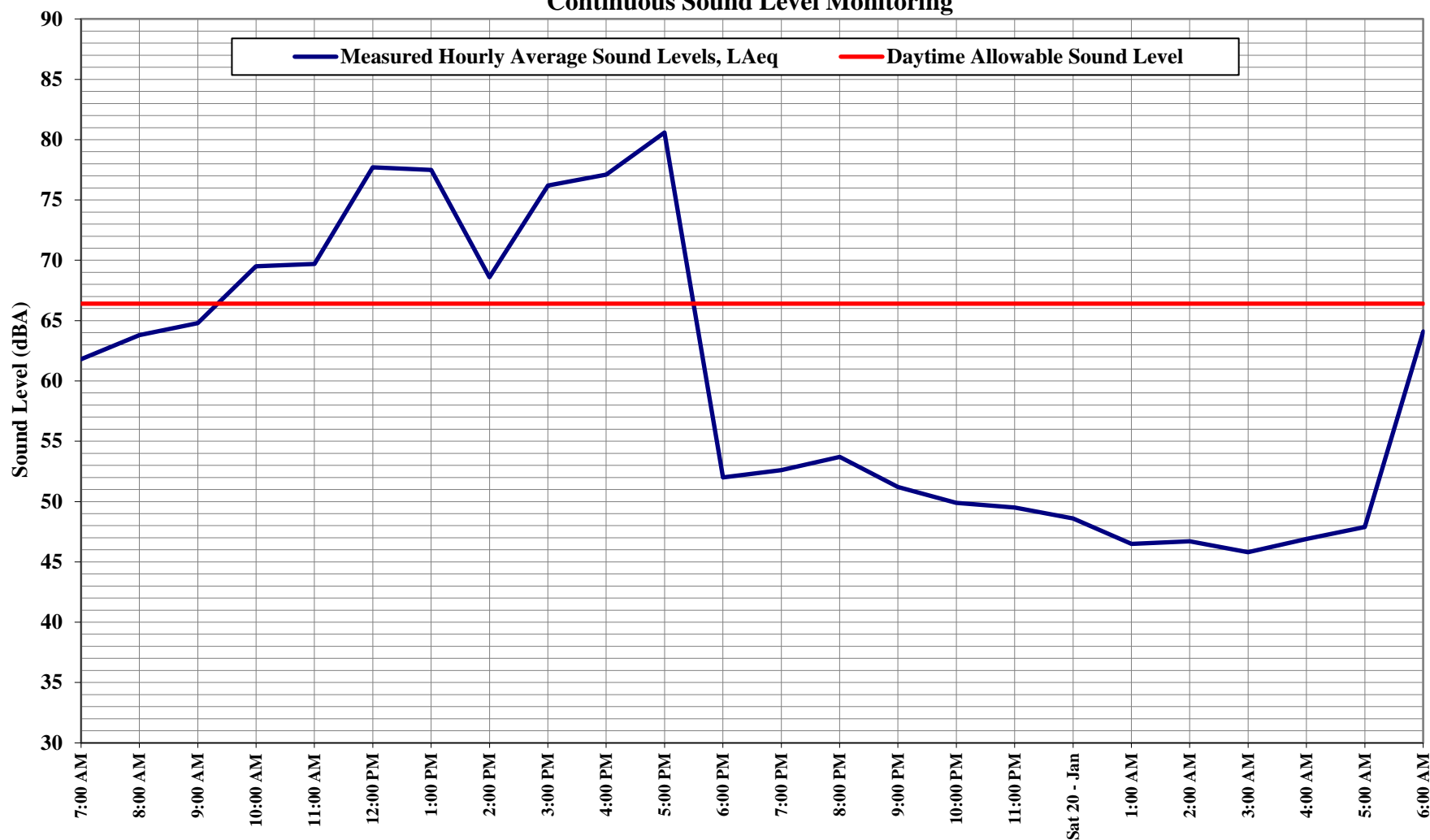
Hawthorne, California ~ Aledo, Texas ~ Carson, California ~ Napa California ~ Longmont, Colorado ~ McDonald, Pennsylvania

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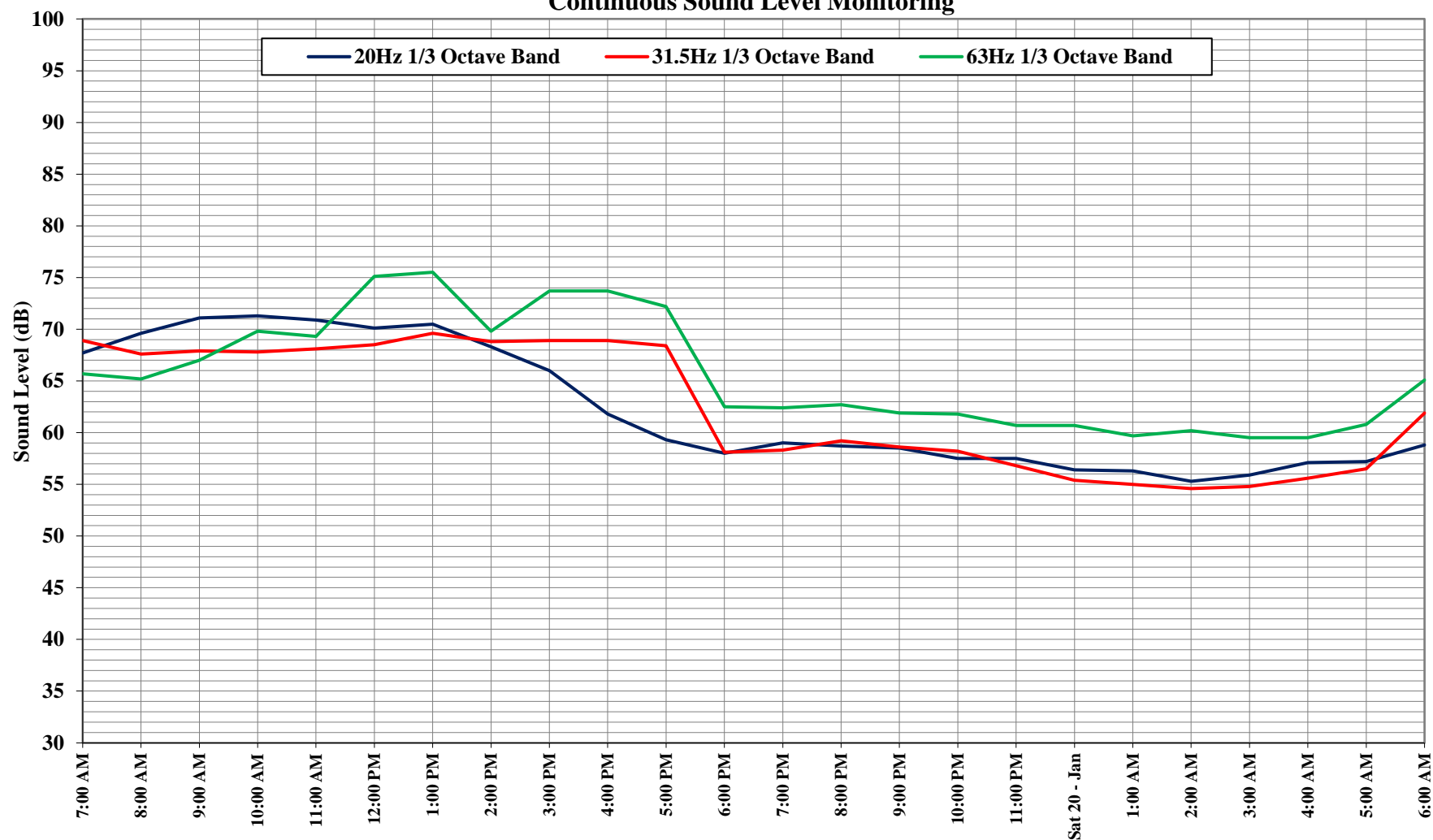
**TEP Barnett USA, LLC.
Bruder Pad Site - East Monitor
Continuous Sound Level Monitoring**



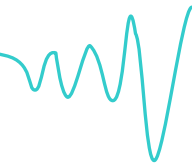
Bruder Pad Site Sound Level Data



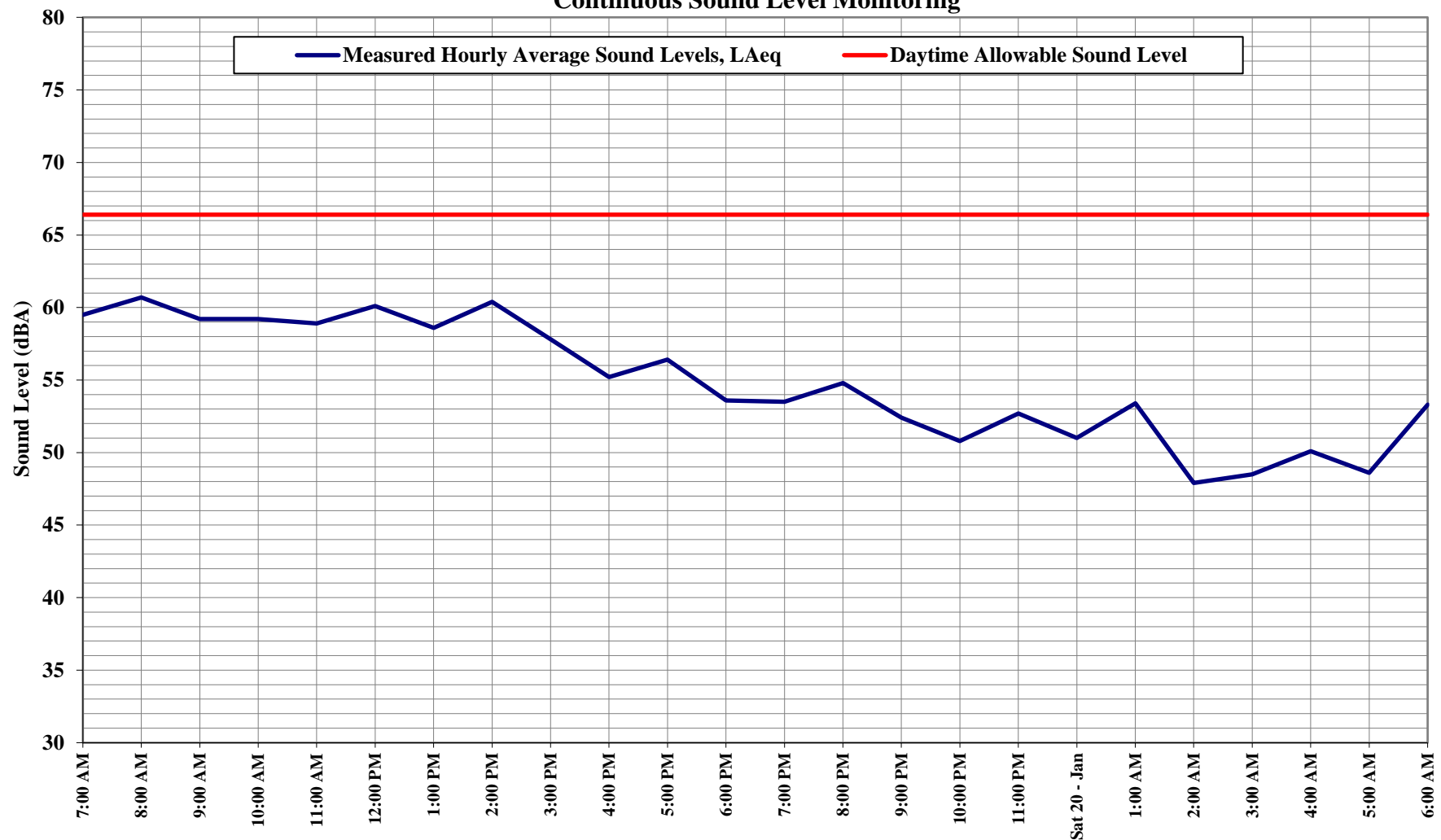
**TEP Barnett USA, LLC.
Bruder Pad Site - East Monitor
Continuous Sound Level Monitoring**



Bruder Pad Site Sound Level Data



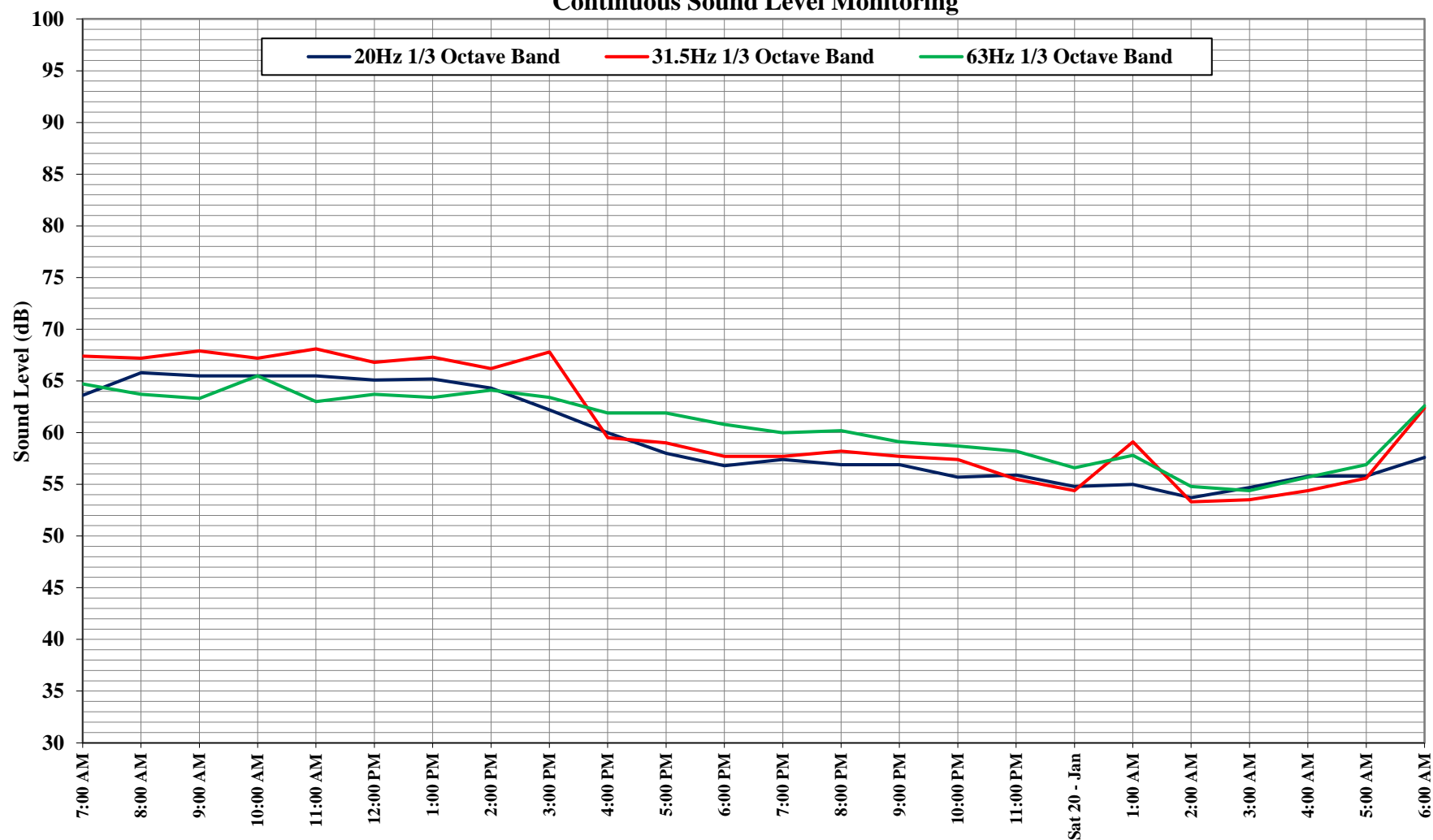
**TEP Barnett USA, LLC.
Bruder Pad Site - Northwest Monitor
Continuous Sound Level Monitoring**



Bruder Pad Site Sound Level Data



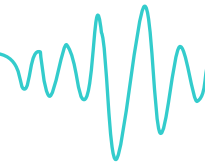
**TEP Barnett USA, LLC.
Bruder Pad Site - Northwest Monitor
Continuous Sound Level Monitoring**



Bruder Pad Site Sound Level Data

Behrens and Associates, Inc.

Environmental Noise Control

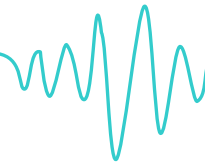


| Burder Pad Site - East Monitoring Period | | | | |
|--|----------------|-----------------------------|------------------|----------------------------------|
| Start Time | | End Time | | |
| 7:00 AM | 1/19/2024 | 7:00 AM | 1/20/2024 | 24 Hours |
| Measured Sound Level Data | | | | |
| Time | 1-Hr Leq (dBA) | Allowable Sound Level (dBA) | Exceedance Level | Exceedance Description |
| 7:00 AM | 61.8 | 66.4 | - | |
| 8:00 AM | 63.8 | 66.4 | - | |
| 9:00 AM | 64.8 | 66.4 | - | |
| 10:00 AM | 69.5 | 66.4 | 3.1 | Equipment Operating Near Monitor |
| 11:00 AM | 69.7 | 66.4 | 3.3 | Equipment Operating Near Monitor |
| 12:00 PM | 77.7 | 66.4 | 11.3 | Equipment Operating Near Monitor |
| 1:00 PM | 77.5 | 66.4 | 11.1 | Equipment Operating Near Monitor |
| 2:00 PM | 68.6 | 66.4 | 2.2 | Equipment Operating Near Monitor |
| 3:00 PM | 76.2 | 66.4 | 9.8 | Equipment Operating Near Monitor |
| 4:00 PM | 77.1 | 66.4 | 10.7 | Equipment Operating Near Monitor |
| 5:00 PM | 80.6 | 66.4 | 14.2 | Equipment Operating Near Monitor |
| 6:00 PM | 52.0 | 66.4 | - | |
| 7:00 PM | 52.6 | 66.4 | - | |
| 8:00 PM | 53.7 | 66.4 | - | |
| 9:00 PM | 51.2 | 66.4 | - | |
| 10:00 PM | 49.9 | 66.4 | - | |
| 11:00 PM | 49.5 | 66.4 | - | |
| Sat 20 - Jan | 48.6 | 66.4 | - | |
| 1:00 AM | 46.5 | 66.4 | - | |
| 2:00 AM | 46.7 | 66.4 | - | |
| 3:00 AM | 45.8 | 66.4 | - | |
| 4:00 AM | 46.9 | 66.4 | - | |
| 5:00 AM | 47.9 | 66.4 | - | |
| 6:00 AM | 64.1 | 66.4 | - | |
| Average Level (Leq): | 71.8 | # Hrs of Exceedance: | 0 | |

Bruder Pad Site Sound Level Data

Behrens and Associates, Inc.

Environmental Noise Control



| Burder Pad Site - Northwest Monitoring Period | | | | |
|---|----------------|-----------------------------|------------------|------------------------|
| Start Time | | End Time | | |
| 7:00 AM | 1/19/2024 | 7:00 AM | 1/20/2024 | 24 Hours |
| | | | | |
| Measured Sound Level Data | | | | |
| Time | 1-Hr Leq (dBA) | Allowable Sound Level (dBA) | Exceedance Level | Exceedance Description |
| 7:00 AM | 59.5 | 66.4 | - | |
| 8:00 AM | 60.7 | 66.4 | - | |
| 9:00 AM | 59.2 | 66.4 | - | |
| 10:00 AM | 59.2 | 66.4 | - | |
| 11:00 AM | 58.9 | 66.4 | - | |
| 12:00 PM | 60.1 | 66.4 | - | |
| 1:00 PM | 58.6 | 66.4 | - | |
| 2:00 PM | 60.4 | 66.4 | - | |
| 3:00 PM | 57.8 | 66.4 | - | |
| 4:00 PM | 55.2 | 66.4 | - | |
| 5:00 PM | 56.4 | 66.4 | - | |
| 6:00 PM | 53.6 | 66.4 | - | |
| 7:00 PM | 53.5 | 66.4 | - | |
| 8:00 PM | 54.8 | 66.4 | - | |
| 9:00 PM | 52.4 | 66.4 | - | |
| 10:00 PM | 50.8 | 66.4 | - | |
| 11:00 PM | 52.7 | 66.4 | - | |
| Sat 20 - Jan | 51.0 | 66.4 | - | |
| 1:00 AM | 53.4 | 66.4 | - | |
| 2:00 AM | 47.9 | 66.4 | - | |
| 3:00 AM | 48.5 | 66.4 | - | |
| 4:00 AM | 50.1 | 66.4 | - | |
| 5:00 AM | 48.6 | 66.4 | - | |
| 6:00 AM | 53.3 | 66.4 | - | |
| | | | | |
| Average Level (Leq): | 71.8 | # Hrs of Exceedance: | 0 | |

Bruder Pad Northwest Monitor Sound Level Data

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Bruder Pad Site & Sound Monitoring Locations