

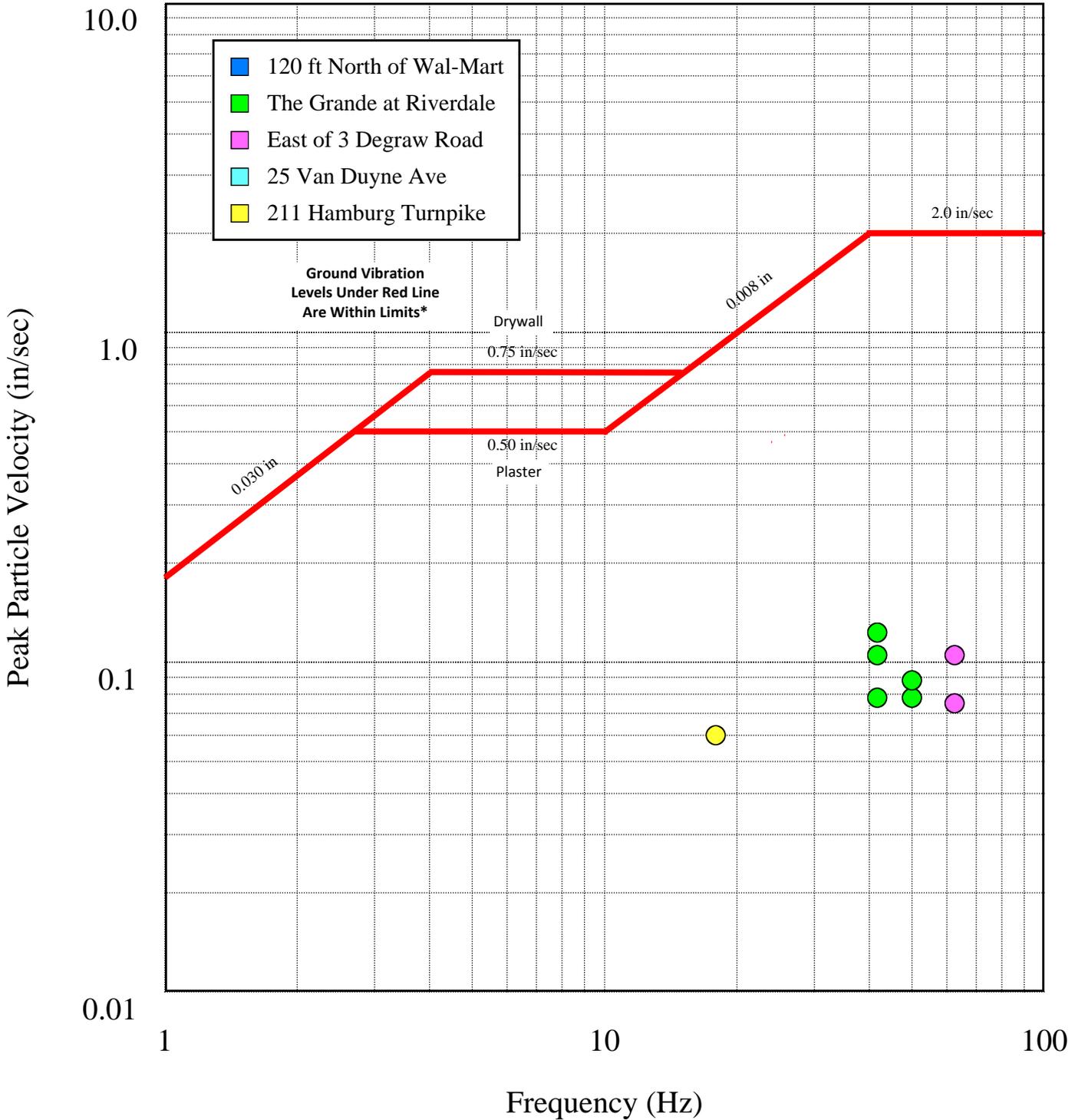
**Tilcon New Jersey  
Riverdale Quarry  
Blast Data Summary  
3rd Quarter 2017**

| <b>Date</b> | <b>Time</b> | <b>Recording Location</b> | <b>Within NJ Ground<br/>Vibration Limits*</b> | <b>Within NJ Air<br/>Overpressure<br/>Limits**</b> |
|-------------|-------------|---------------------------|---|--|
| 7/11/2017   | 11:00       | 120 ft North of Wal-Mart  | Yes   | Yes  |
| 7/11/2017   | 11:00       | The Grande at Riverdale   | Yes   | Yes  |
| 7/11/2017   | 11:00       | East of 3 Degraw Road     | Yes   | Yes  |
| 7/11/2017   | 11:00       | 25 Van Duyne Ave          | Yes   | Yes  |
| 7/11/2017   | 11:00       | 211 Hamburg Turnpike      | Yes   | Yes  |
| 8/3/2017    | 11:00       | 120 ft North of Wal-Mart  | Yes   | Yes  |
| 8/3/2017    | 11:00       | The Grande at Riverdale   | Yes   | Yes  |
| 8/3/2017    | 11:00       | East of 3 Degraw Road     | Yes   | Yes  |
| 8/3/2017    | 11:00       | 25 Van Duyne Ave          | Yes   | Yes  |
| 8/3/2017    | 11:00       | 211 Hamburg Turnpike      | Yes   | Yes  |
| 8/18/2017   | 10:30       | 120 ft North of Wal-Mart  | Yes   | Yes  |
| 8/18/2017   | 10:30       | The Grande at Riverdale   | Yes   | Yes  |
| 8/18/2017   | 10:30       | East of 3 Degraw Road     | Yes   | Yes  |
| 8/18/2017   | 10:30       | 25 Van Duyne Ave          | Yes   | Yes  |
| 8/18/2017   | 10:30       | 211 Hamburg Turnpike      | Yes   | Yes  |
| 9/7/2017    | 10:59       | 120 ft North of Wal-Mart  | Yes   | Yes  |
| 9/7/2017    | 10:59       | The Grande at Riverdale   | Yes   | Yes  |
| 9/7/2017    | 10:59       | East of 3 Degraw Road     | Yes   | Yes  |
| 9/7/2017    | 10:59       | 25 Van Duyne Ave          | Yes   | Yes  |
| 9/7/2017    | 10:59       | 211 Hamburg Turnpike      | Yes   | Yes  |
| 9/21/2017   | 9:59        | 120 ft North of Wal-Mart  | Yes   | Yes  |
| 9/21/2017   | 9:59        | The Grande at Riverdale   | Yes   | Yes  |
| 9/21/2017   | 9:59        | East of 3 Degraw Road     | Yes   | Yes  |
| 9/21/2017   | 9:59        | 25 Van Duyne Ave          | Yes   | Yes  |
| 9/21/2017   | 9:59        | 211 Hamburg Turnpike      | Yes   | Yes  |
| 9/22/2017   | 13:31       | 120 ft North of Wal-Mart  | Yes   | Yes  |
| 9/22/2017   | 13:31       | The Grande at Riverdale   | Yes   | Yes  |
| 9/22/2017   | 13:31       | East of 3 Degraw Road     | Yes   | Yes  |
| 9/22/2017   | 13:31       | 25 Van Duyne Ave          | Yes   | Yes  |
| 9/22/2017   | 13:31       | 211 Hamburg Turnpike      | Yes   | Yes  |

\*State of New Jersey Administrative Code Title 12:190; Subchapter 7.26  
\*\*State of New Jersey Administrative Code Title 12:190; Subchapter 7.25

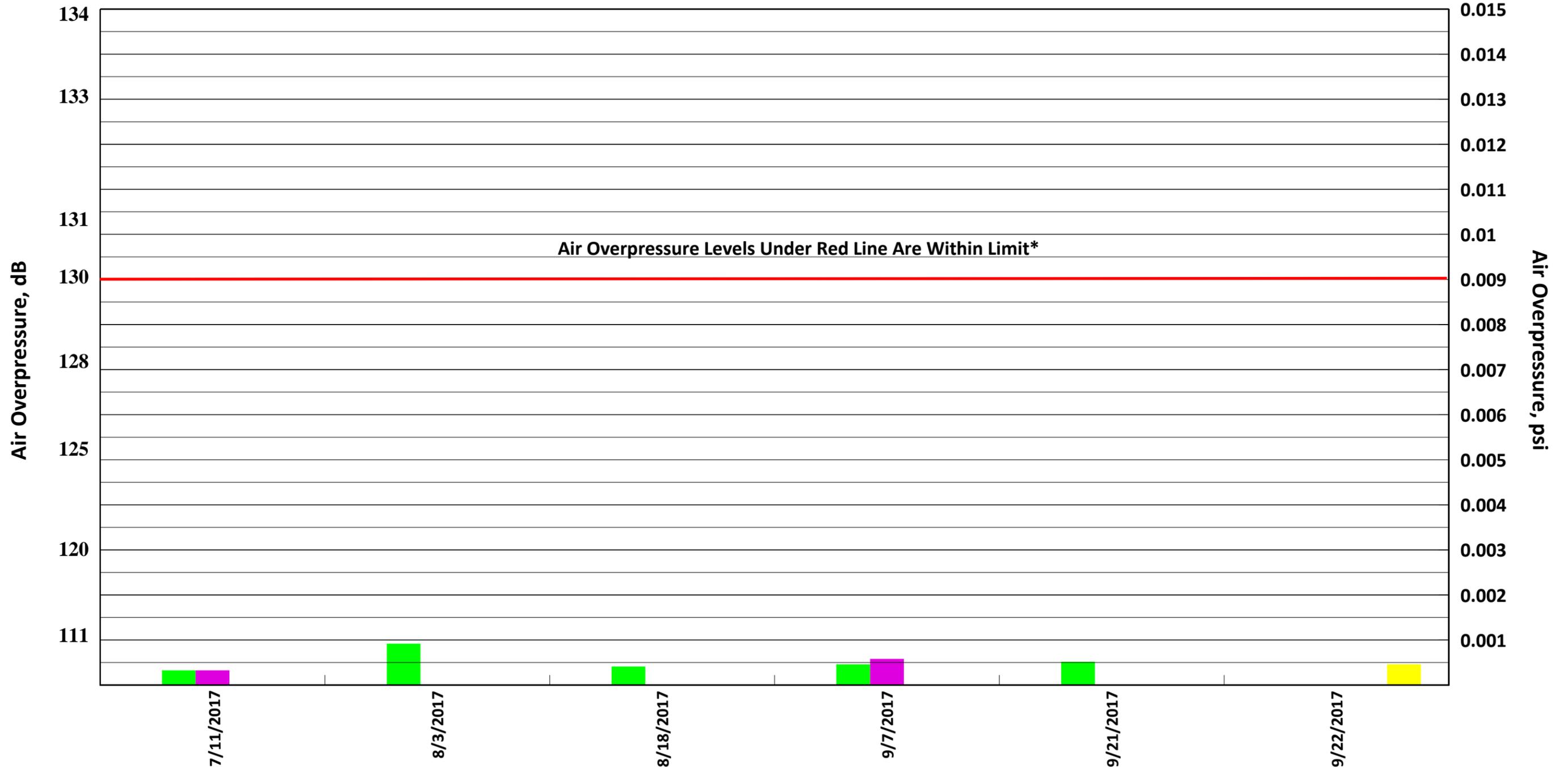
# Comparison of Measured Blast Vibrations to Current U.S. Bureau of Mines Recommendations

## Tilcon New Jersey Riverdale Quarry 3rd Quarter 2017



\*As per State of New Jersey Administrative Code Title 12:190; Subchapter 7.26

# Air Overpressure Levels from Tilcon New Jersey - Riverdale Quarry 3rd Quarter 2017



\*As per State of New Jersey Administrative Code Title 12.190; Subchapter 7.25

