

**Tilcon New Jersey  
Pompton Lakes Quarry  
Quarterly Blast Data Summary  
4th Quarter 2016**

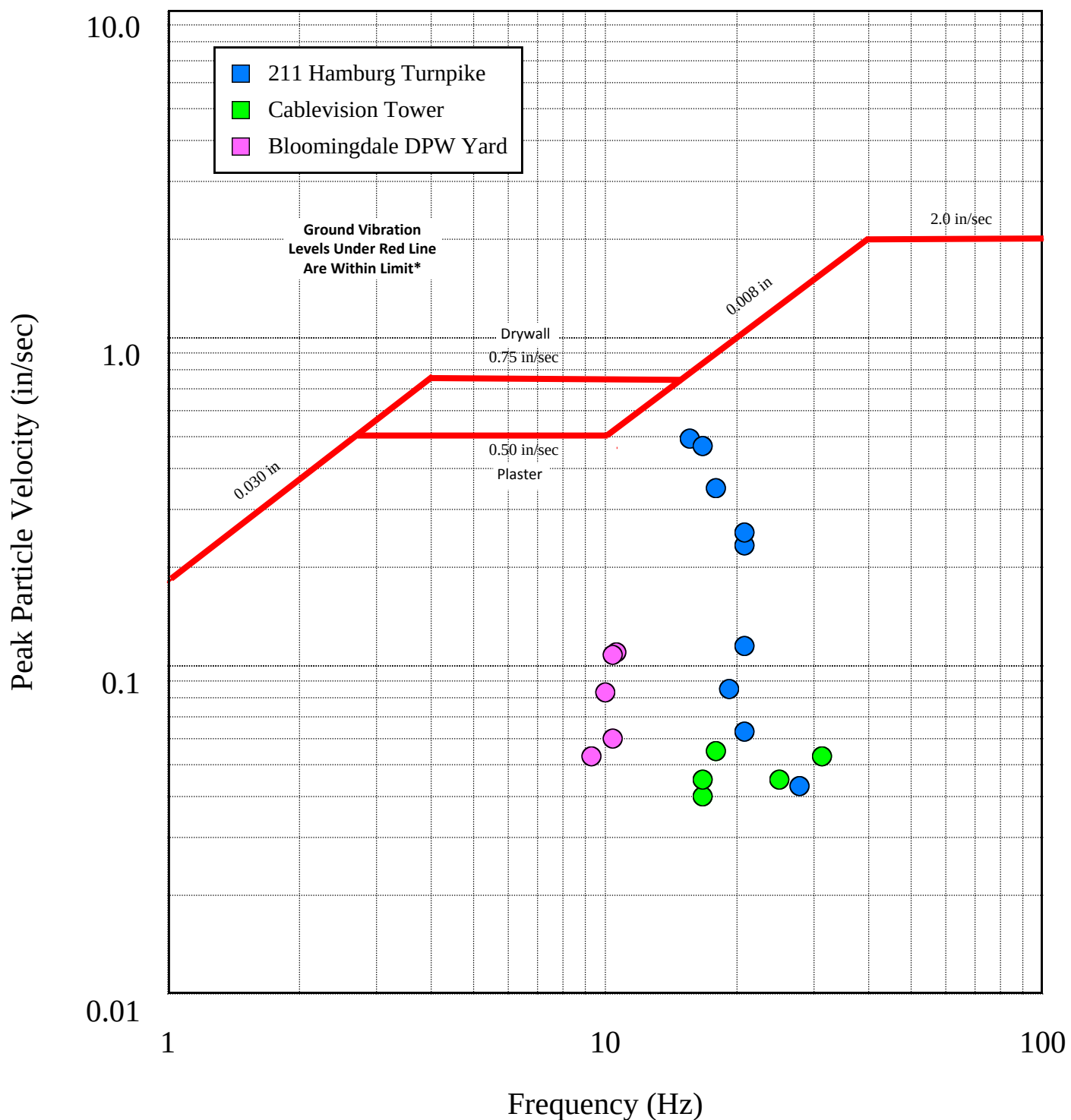
| Date       | Time  | Recording Location       | Within NJ Ground<br>Vibration Limits* | Within NJ Air<br>Overpressure<br>Limits** |
|------------|-------|--------------------------|---------------------------------------|-------------------------------------------|
| 10/5/2016  | 10:59 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 10/5/2016  | 10:59 | Cablevision Tower        | Yes                                   | Yes                                       |
| 10/5/2016  | 10:59 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 10/11/2016 | 12:00 | 211 Hamburg Turnpike     | Record Unavailable-Instrument Error   |                                           |
| 10/11/2016 | 12:00 | Cablevision Tower        | Yes                                   | Yes                                       |
| 10/11/2016 | 12:00 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 10/13/2016 | 13:00 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 10/13/2016 | 13:00 | Cablevision Tower        | Yes                                   | Yes                                       |
| 10/13/2016 | 13:00 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 10/18/2016 | 12:29 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 10/18/2016 | 12:29 | Cablevision Tower        | Yes                                   | Yes                                       |
| 10/18/2016 | 12:29 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 10/25/2016 | 11:30 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 10/25/2016 | 11:30 | Cablevision Tower        | Yes                                   | Yes                                       |
| 10/25/2016 | 11:30 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 11/3/2016  | 12:30 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 11/3/2016  | 12:30 | Cablevision Tower        | Yes                                   | Yes                                       |
| 11/3/2016  | 12:30 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 11/4/2016  | 10:59 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 11/4/2016  | 10:59 | Cablevision Tower        | Yes                                   | Yes                                       |
| 11/4/2016  | 10:59 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 11/18/2016 | 13:30 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 11/18/2016 | 13:30 | Cablevision Tower        | Yes                                   | Yes                                       |
| 11/18/2016 | 13:30 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 11/22/2016 | 10:59 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 11/22/2016 | 10:59 | Cablevision Tower        | Yes                                   | Yes                                       |
| 11/22/2016 | 10:59 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 12/1/2016  | 10:59 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 12/1/2016  | 10:59 | Cablevision Tower        | Yes                                   | Yes                                       |
| 12/1/2016  | 10:59 | Bloomingtondale DPW Yard | Yes                                   | Yes                                       |
| 12/8/2016  | 12:59 | 211 Hamburg Turnpike     | Yes                                   | Yes                                       |
| 12/8/2016  | 12:59 | Cablevision Tower        | Yes                                   | Yes                                       |
| 12/8/2016  | 12:59 | Bloomingtondale DPW Yard | 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

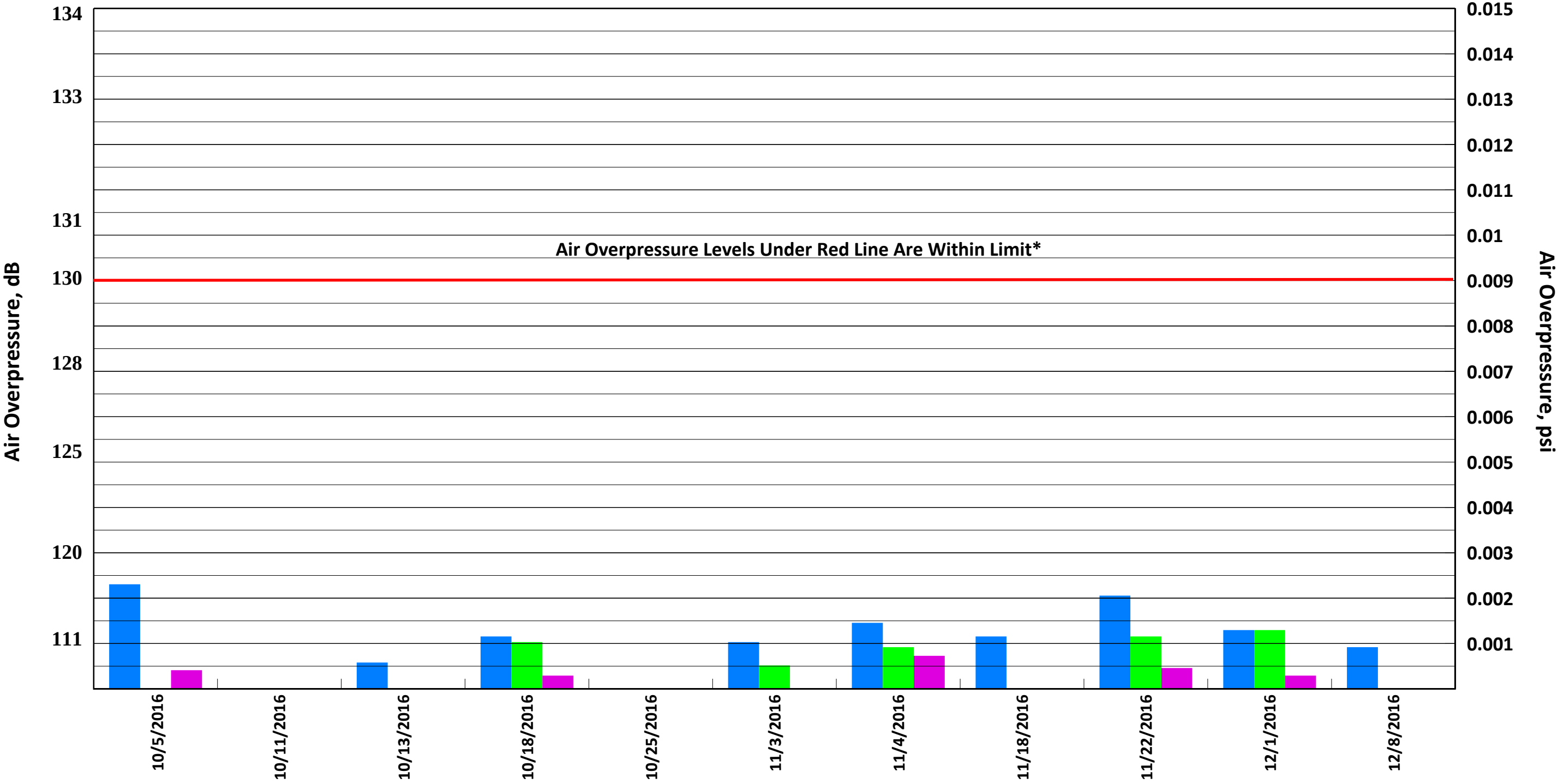
# Comparison of Measured Blast Vibrations to Current U.S. Bureau of Mines Recommendations

## Tilcon New Jersey Pompton Lakes Quarry 4th Quarter 2016



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

Air Overpressure Levels from  
Tilcon New Jersey - Pompton Lakes Quarry  
4th Quarter 2016



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

