



Orica USA
7000 Stitzells Road
Greencastle, PA 17225
M: 717-387-0917
E: tooby.forney@orica.com
www.orica.com

September 4, 2025

**Mr. Kevin Cornick
Town of New Windsor
211 High Street
New Windsor, MD 21776**

**Mr. Walter Smith
Heidelberg Materials New Windsor
1703 Old New Windsor Road
New Windsor, MD 21776**

Subject: Report on High Air Overpressure Event – August 29, 2025

Dear Mr. Kevin Cornick and Mr. Walter Smith:

This letter serves to formally notify you of a high air overpressure event that occurred during a blasting operation on Friday, August 29, 2025, at Heidelberg Materials New Windsor Quarry.

An initial review of all documentation and records indicates that the blast was designed and executed in accordance with established rules and safe blasting practices. No deviations from standard procedures were identified.

At this time, preliminary findings suggest the event may have been caused by a mechanical failure, either with the blast box or the detonators. To ensure due diligence, we are conducting a thorough investigation into the cause of this occurrence and will provide timely updates as additional information becomes available.

As a precaution, all blasting equipment utilized in the shot has been quarantined and removed from service until the investigation is complete.

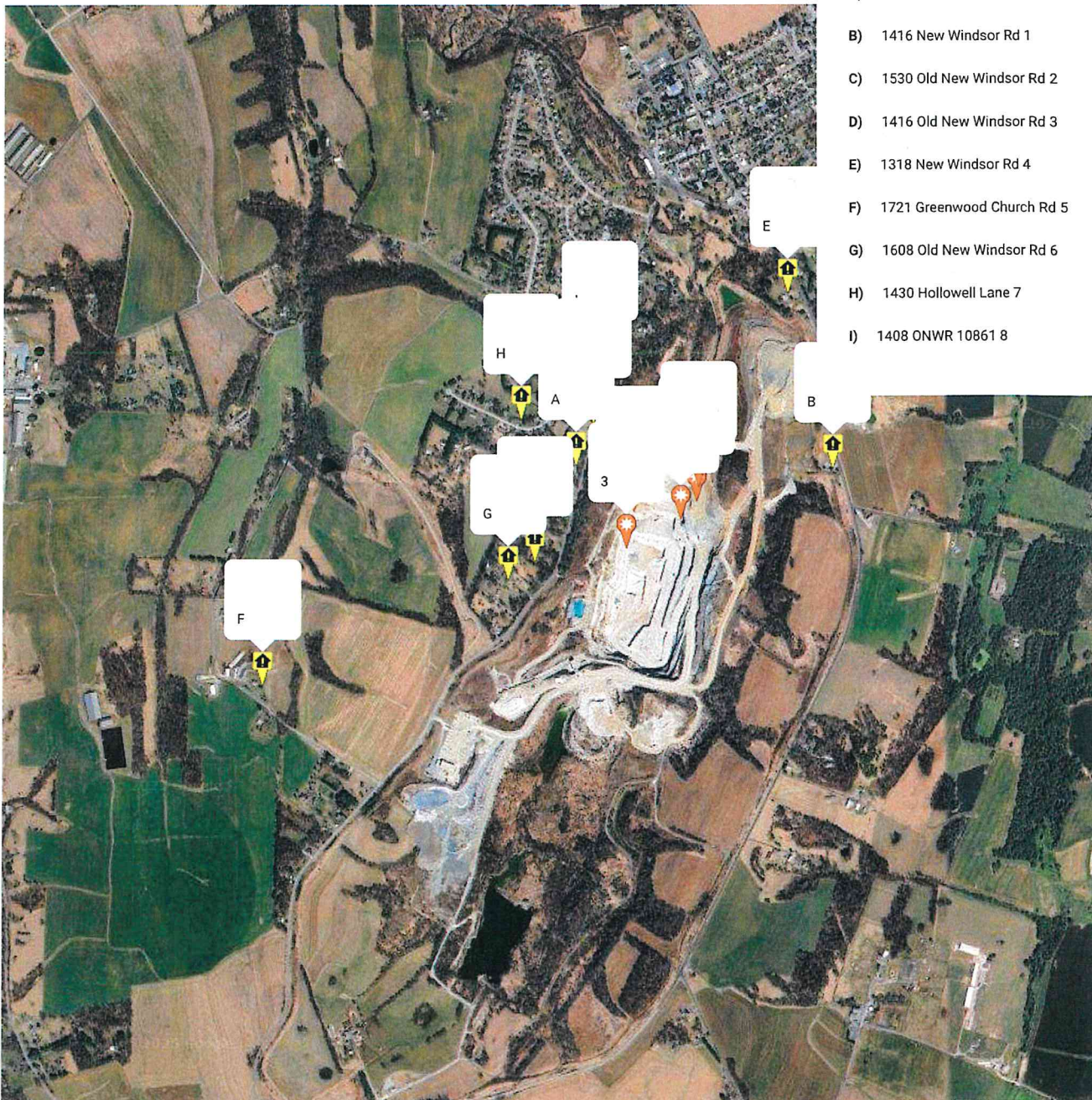
Safety is our top priority. We take this matter very seriously and remain committed to maintaining the highest standards of safety and compliance. Please do not hesitate to contact me if you have any questions or require further information at this stage.

Sincerely,

**Toby Forney
Orica Senior Technical Services Engineer**

Legend

- 1) 39.530531, -77.109025
- 2) 39.531103, -77.108411
- 3) 39.529633, -77.111222
- 4) 39.530767, -77.110928
- 5) 39.531503, -77.108333
- A) 1502 Old New Windsor Rd 0
- B) 1416 New Windsor Rd 1
- C) 1530 Old New Windsor Rd 2
- D) 1416 Old New Windsor Rd 3
- E) 1318 New Windsor Rd 4
- F) 1721 Greenwood Church Rd 5
- G) 1608 Old New Windsor Rd 6
- H) 1430 Hollowell Lane 7
- I) 1408 ONWR 10861 8



Heidelberg Materials - New Windsor, Maryland

(MDE-Blast-Report)

Individual Shot Blast Report

Site Name: New Windsor
Blast Company: Orica
Month/Year: August-2025

☐ Check Box if No Blasting Occurred During the Month Reporting

Date/Time: 08/01/2025 at 12:00:00 ^ Shot ID: 25-34 ** Location-shot: Level 300 Lat / Long - shot: 39.53053 -77.10902 Weather at Time of the Shot: Mostly Cloudy, 70 °F Number of Seismographs Used: 9

Seismograph ID	Distance from Shot Location (ft)	Longitudinal Freq (Hz) in/sec		Transverse Freq (Hz) in/sec		Vertical Freq (Hz) in/sec		Max PPV (in/sec)	Air Blast (dB)
1430 Hollowell Lane	2,142 ft	33.3 Hz	0.0575 in/s	10.6 Hz	0.09 in/s	10.6 Hz in/s	0.0875	0.09 in/s	118.6 dB
1502 Old New Windsor Rd	1,339 ft	26.3 Hz	0.12 in/s	26.3 Hz	0.0825 in/s	21.7 Hz in/s	0.0775	0.12 in/s	124.2 dB
1530 Old New Windsor Rd	1,732 ft	35.7 Hz	0.0925 in/s	31.2 Hz	0.065 in/s	41.7 Hz in/s	0.065	0.0925 in/s	123.9 dB
1608 Old New Windsor Rd	2,083 ft	35.7 Hz	0.0625 in/s	27.8 Hz	0.0775 in/s	38.5 Hz in/s	0.0675	0.0775 in/s	123.1 dB
1318 New Windsor Rd	2,815 ft	14.3 Hz	0.0425 in/s	26.3 Hz	0.045 in/s	15.2 Hz in/s	0.035	0.045 in/s	98.7 dB
1408 ONWR 10861	1,841 ft	23.8 Hz	0.0625 in/s	31.2 Hz	0.05 in/s	35.7 Hz in/s	0.0425	0.0625 in/s	116.9 dB
1416 New Windsor Rd	1,821 ft	33.3 Hz	0.18 in/s	38.5 Hz	0.225 in/s	41.7 Hz	0.15 in/s	0.225 in/s	106.4 dB
1416 Old New Windsor Rd	1,470 ft	23.8 Hz	0.07 in/s	26.3 Hz	0.115 in/s	22.7 Hz in/s	0.0925	0.115 in/s	121 dB
1721 Greenwood Church Rd	5,112 ft								

* Highlight **HIGHEST** recorded ground vibration and air blast that the seismograph instrument records for each individual shot. The permittee should report the **HIGHEST** ground vibration value (longitudinal, transverse, vertical) that the seismograph instrument records for each individual shot.

** Location should include orientation of shot within the mines permit limits - example = 3rd bench, northeastern area of quarry, 200 feet deep, etc.

^ Shot ID # should correlate with the monthly map submitted. (For best results the Shot ID # used should be the numerical day of the month - for example if the shot occurred on 1/21/2015 than the Shot ID # would be 21). The Shot ID # 21 would be entered on the monthly map submitted.

Aerial map image with seismograph and shot locations should be submitted with each monthly blast report (map should include legend, north arrow, scale, title, seismograph and shot locations corresponding to date).

Heidelberg Materials - New Windsor, Maryland

(MDE-Blast-Report)

Individual Shot Blast Report

Site Name: New Windsor
Blast Company: Orica
Month/Year: August-2025

☐ Check Box if No Blasting Occurred During the Month Reporting

Date/Time: 08/13/2025 at 12:00:00 [^] Shot ID: 25-36 ^{**} Location-shot: Level 400 Lat / Long - shot: 39.5311 -77.10841 Weather at Time of the Shot: Partly Cloudy, 87 °F Number of Seismographs Used: 9

Seismograph ID	Distance from Shot Location (ft)	Longitudinal Freq (Hz) in/sec		Transverse Freq (Hz) in/sec		Vertical Freq (Hz) in/sec		Max PPV (in/sec)	Air Blast (dB)
1318 New Windsor Rd	2,556 ft	8.6 Hz	0.145 in/s	8.1 Hz	0.11 in/s	7.6 Hz	0.103 in/s	0.145 in/s	108.2 dB
1430 Hollowell Lane	2,198 ft	8.6 Hz	0.148 in/s	8.9 Hz	0.343 in/s	9.8 Hz	0.33 in/s	0.343 in/s	113 dB
1502 Old New Windsor Rd	1,424 ft	12.8 Hz	0.298 in/s	17.2 Hz	0.0875 in/s	18.5 Hz in/s	0.155	0.298 in/s	121.1 dB
1530 Old New Windsor Rd	1,962 ft	15.6 Hz	0.0625 in/s	21.7 Hz	0.128 in/s	19.2 Hz	0.05 in/s	0.128 in/s	112.4 dB
1608 Old New Windsor Rd	2,320 ft	13.9 Hz	0.0475 in/s	19.2 Hz	0.0775 in/s	25 Hz	0.06 in/s	0.0775 in/s	112.2 dB
1721 Greenwood Church Rd	5,351 ft	6 Hz	0.0475 in/s	4.8 Hz	0.0575 in/s	5.6 Hz	0.04 in/s	0.0575 in/s	99.9 dB
1408 ONWR 10861	1,864 ft	13.5 Hz	0.22 in/s	20 Hz	0.163 in/s	10.4 Hz	0.12 in/s	0.22 in/s	122.5 dB
1416 New Windsor Rd	1,598 ft	22.7 Hz	0.185 in/s	27.8 Hz	0.268 in/s	33.3 Hz in/s	0.133	0.268 in/s	113.8 dB
1416 Old New Windsor Rd	1,460 ft	13.9 Hz	0.278 in/s	14.3 Hz	0.155 in/s	14.9 Hz in/s	0.245	0.278 in/s	123.3 dB

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^{**} Location should include orientation of shot within the mines permit limits - example = 3rd bench, northeastern area of quarry, 200 feet deep, etc.

[^] Shot ID # should correlate with the monthly map submitted. (For best results the Shot ID # used should be the numerical day of the month - for example if the shot occurred on 1/21/2015 than the Shot ID # would be 21). The Shot ID # 21 would be entered on the monthly map submitted.

Aerial map image with seismograph and shot locations should be submitted with each monthly blast report (map should include legend, north arrow, scale, title, seismograph and shot locations corresponding to date).

Heidelberg Materials - New Windsor, Maryland

(MDE-Blast-Report)

Individual Shot Blast Report

Site Name: New Windsor
Blast Company: Orica
Month/Year: August-2025

☐ Check Box if No Blasting Occurred During the Month Reporting

Date/Time: 08/18/2025 at 12:00:00 [^] Shot ID: 25-35 ^{**} Location-shot: Level 200 Lat / Long - shot: 39.52963 -77.11122 Weather at Time of the Shot: Overcast, 75 °F Number of Seismographs Used: 9

Seismograph ID	Distance from Shot Location (ft)	Longitudinal Freq (Hz) in/sec		Transverse Freq (Hz) in/sec		Vertical Freq (Hz) in/sec		Max PPV (in/sec)	Air Blast (dB)
1721 Greenwood Church Rd	4,416 ft								
1430 Hollowell Lane	1,883 ft	12.2 Hz	0.105 in/s	35.7 Hz	0.108 in/s	26.3 Hz in/s	0.0875	0.108 in/s	107.1 dB

1502 Old New Windsor Rd	1,089 ft	45.5 Hz	0.235 in/s	38.5 Hz	0.16 in/s	35.7 Hz in/s	0.2013	0.235 in/s	116.7 dB
1530 Old New Windsor Rd	1,053 ft	45.5 Hz	0.325 in/s	33.3 Hz	0.255 in/s	71.4 Hz	0.34 in/s	0.34 in/s	116.1 dB
1608 Old New Windsor Rd	1,394 ft								
1608 Old New Windsor Rd	1,394 ft	45.5 Hz	0.175 in/s	29.4 Hz	0.15 in/s	55.6 Hz in/s	0.185	0.185 in/s	116.7 dB
1318 New Windsor Rd	3,406 ft	50 Hz	0.03 in/s	41.7 Hz	0.035 in/s	31.2 Hz in/s	0.035	0.035 in/s	102.6 dB
1408 ONWR 10861	2,060 ft	50 Hz	0.0575 in/s	50 Hz	0.085 in/s	62.5 Hz in/s	0.0625	0.085 in/s	105.9 dB
1416 New Windsor Rd	2,513 ft	38.5 Hz	0.128 in/s	38.5 Hz	0.22 in/s	45.5 Hz in/s	0.225	0.225 in/s	107.4 dB

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** Location should include orientation of shot within the mines permit limits - example = 3rd bench, northeastern area of quarry, 200 feet deep, etc.

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Heidelberg Materials - New Windsor, Maryland

(MDE-Blast-Report)

Individual Shot Blast Report

Site Name: New Windsor
Blast Company: Orica
Month/Year: August-2025

☐ Check Box if No Blasting Occurred During the Month Reporting

Date/Time: 08/27/2025 at 11:59:00 ^ Shot ID: 25-37 ** Location-shot: Level 250 Lat / Long - shot: 39.53077 -77.11093 Weather at Time of the Shot: Sunny, 70 °F Number of Seismographs Used: 9

Seismograph ID	Distance from Shot Location (ft)	Longitudinal Freq (Hz) in/sec	Transverse Freq (Hz) in/sec	Vertical Freq (Hz) in/sec	Max PPV (in/sec)	Air Blast (dB)
1721 Greenwood Church Rd	4,652 ft					
1318 New Windsor Rd	3,018 ft	13.9 Hz	0.05 in/s	9.4 Hz 0.04 in/s	0.0325	0.05 in/s 97.3 dB
1430 Hollowell Lane	1,650 ft	11.4 Hz	0.133 in/s	11.9 Hz 0.128 in/s	0.148 in/s	0.148 in/s 100.9 dB
1502 Old New Windsor Rd	837 ft	21.7 Hz	0.293 in/s	20 Hz 0.248 in/s	0.153	0.293 in/s 114.6 dB
1530 Old New Windsor Rd	1,263 ft	62.5 Hz	0.125 in/s	41.7 Hz 0.153 in/s	0.173	0.173 in/s 115 dB
1608 Old New Windsor Rd	1,624 ft	45.5 Hz	0.09 in/s	50 Hz 0.1 in/s	0.128	0.128 in/s 112.9 dB
1408 ONWR 10861	1,673 ft	14.3 Hz	0.065 in/s	38.5 Hz 0.055 in/s	0.075	0.075 in/s 102.6 dB
1416 New Windsor Rd	2,316 ft	62.5 Hz	0.075 in/s	33.3 Hz 0.165 in/s	0.103	0.165 in/s 103.4 dB
1416 Old New Windsor Rd	1,093 ft	10.6 Hz	0.15 in/s	21.7 Hz 0.09 in/s	0.138	0.15 in/s 106.4 dB

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Heidelberg Materials - New Windsor, Maryland

(MDE-Blast-Report)

Individual Shot Blast Report

Site Name: New Windsor
Blast Company: Orica
Month/Year: August-2025

☐ Check Box if No Blasting Occurred During the Month Reporting

Date/Time: 08/29/2025 at 11:59:00 ^ Shot ID: 25-38 ** Location-shot: Level 400 Lat / Long - shot: 39.5315 -77.10833 Weather at Time of the Shot: Partly Cloudy, 72 °F Number of Seismographs Used: 9

Seismograph ID	Distance from Shot Location (ft)	Longitudinal Freq (Hz) in/sec		Transverse Freq (Hz) in/sec		Vertical Freq (Hz) in/sec		Max PPV (in/sec)	Air Blast (dB)
1318 New Windsor Rd	2,411 ft	10.4 Hz	0.336 in/s	9.6 Hz	0.295 in/s	8.1 Hz	0.243 in/s	0.336 in/s	112.9 dB
1430 Hollowell Lane	2,162 ft	9.3 Hz	0.263 in/s	8.1 Hz	0.618 in/s	8.6 Hz	0.39 in/s	0.618 in/s	123.9 dB
1502 Old New Windsor Rd	1,414 ft	11.6 Hz	0.528 in/s	11.9 Hz	0.243 in/s	13.9 Hz	0.21 in/s	0.528 in/s	133.7 dB
1530 Old New Windsor Rd	2,037 ft	21.7 Hz	0.208 in/s	8.5 Hz	0.233 in/s	22.7 Hz in/s	0.138	0.233 in/s	121 dB
1608 Old New Windsor Rd	2,398 ft	17.9 Hz	0.175 in/s	14.7 Hz	0.12 in/s	38.5 Hz	0.11 in/s	0.175 in/s	121.1 dB
1721 Greenwood Church Rd	5,430 ft	4 Hz	0.0825 in/s	5.6 Hz	0.123 in/s	5.9 Hz	0.07 in/s	0.123 in/s	109.9 dB
1408 ONWR 10861	1,762 ft	14.7 Hz	0.505 in/s	33.3 Hz	0.158 in/s	10.9 Hz	0.17 in/s	0.505 in/s	125.8 dB
1416 New Windsor Rd	1,549 ft	26.3 Hz	0.393 in/s	23.8 Hz	0.59 in/s	41.7 Hz in/s	0.405	0.59 in/s	130.5 dB
1416 Old New Windsor Rd	1,398 ft	8.9 Hz	0.583 in/s	14.3 Hz	0.248 in/s	16.1 Hz	0.39 in/s	0.583 in/s	132 dB

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