

CITY OF FRANKLIN
QUARRY MONITORING COMMITTEE*
MEETING AGENDA

Franklin City Hall, Council Chambers
9229 West Loomis Road, Franklin, Wisconsin 53132
Tuesday, July 28, 2026, 6:00 p.m.

- I. Call to Order, Roll Call and Pledge of Allegiance
- II. Approval of Minutes
 - a. Regular meeting of May 12, 2026.
- III. Citizen Comment Period
PLEASE NOTE: Each speaker may need to be limited to three minutes, allowing everyone who wishes the opportunity to speak
- IV. Business (Action may be taken on any item)
 - a. Presentation by Stantec Consulting Services, Inc., 2nd quarter of 2026 (Apr-Jun).
- V. Meeting scheduling discussion
- VI. Adjournment

** Notice is given that a majority of the Common Council may attend this meeting to gather information about an agenda item over which the Common Council has decision-making responsibility. This may constitute a meeting of the Common Council per State ex rel. Badke v. Greendale Village Board, even though the Common Council will not take formal action at this meeting.*

Notice is further given that upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information, please contact the Franklin City Clerk's office at (414) 425-7500.

**City of Franklin
Quarry Monitoring Committee Meeting
May 12, 2026
Minutes**

unapproved

I. Call to Order and Roll Call

Chair Dina Swanson called the May 12, 2026 Quarry Monitoring Committee to order at 6:00 p.m. in the Council Chambers at Franklin City Hall, 9229 W. Loomis Road, Franklin, Wisconsin.

Present were Chair Dina Swanson, Vice Chair Nabil Salous, Alderman Yousef Hasan and Members Edward Pings and Jon TenHaken. Also present were Planning Manager Régulo Martínez-Montilva, Kristen Gunderson-Inden of Stantec Consulting Services (remote), Bryanna Bucholtz and Jake Snyder of Payne & Dolan.

II. Approval of Minutes

Member Tenhaken moved and Vice Chair Salous seconded a motion to approve the minutes of the January 27, 2026. On voice vote, all voted 'aye;' motion carried (5-0-0).

III. Citizen Comment

The Citizen Comment period opened at 6:01 pm and closed at 6:01 pm.

IV. Business

a. Selection of chair and vice-chair

Alderman Hasan nominated Alderman Salous for Chair. On voice vote, all voted 'aye;' motion carried (5-0-0).

Alderman Salous nominated Chair Swanson for Vice Chair. On voice vote, all voted 'aye;' motion carried (5-0-0).

b. Presentation by Stantec Consulting Services, Inc., 1st quarter of 2026 (Jan-Mar).

Kristen Gunderson-Inden presented the quarterly report.

V. Schedule next meeting

Next meeting is scheduled for July 28, 2026.

VI. Adjournment

Alderman Hasan moved and Member Pings seconded to adjourn the May 12, 2026 Quarry Monitoring Committee meeting at 6:11 pm. On voice vote, all voted 'aye;' motion carried (5-0-0).



Stantec Consulting Services Inc.
12308 North Corporate Parkway, Suite 600
Mequon WI 53092-2661

July 15, 2026

Project/File: 193712004

Regulo Martinez-Montilva

Planning Manager - Department of City Development
City of Franklin
9229 West Loomis Road
Franklin, Wisconsin 53132
RMartinez-Montilva@franklinwi.gov

Dear Regulo Martinez-Montilva,

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 2nd Quarter 2026

The enclosed information summarizes monitoring activities completed during the second quarter of 2026 by Stantec Consulting Services Inc. (Stantec) pertaining to the Franklin Aggregates, Inc. quarry (owned by Payne & Dolan, Inc.) located at 6211 W. Rawson Avenue, Franklin, Wisconsin (the Quarry). Stantec was retained by the City of Franklin to conduct a combination of direct observation (visual) monitoring, seismic monitoring of the quarry operations, and evaluation of citizen complaints. Separate descriptions of services and project background are provided in **Attachments A and B**, respectively. This letter summarizes the results.

Direct Observation (Visual) Monitoring

Copies of completed observation forms are prepared and posted to the project SharePoint site for review by City representatives. Copies of individual reports are not provided with this summary report.

Five observation events were completed during the monitoring period. An announced inspection was performed on April 14 and unannounced inspections were performed on May 4, May 28, June 18, and June 30. The street sweeper was not observed in use on Rawson Avenue during two of the five visits. Minor dust was observed from trucks exiting to Rawson Avenue during most of the visits. No other issues were observed. The northwest gate was closed on the April 14 visit due to work on the scale. For the May 28 and both June visits, the northeast gate was open and in use in addition to the northwest gate. The truck traffic is a lower volume from the northeast gate and most trucks observed there exited to the east.

Seismic Monitoring

As contracted by the City, Stantec provided remote vibration monitoring using two seismographs co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street (VT1 and S1) and 5324 W. Drexel Avenue (VT4 and S2). The monitoring provides continuous (24/7) remote monitoring. Payne & Dolan also has monitors at 7575 S. 51st Street (VT2) and 7721 S. 51st Street (VT3). Summaries of blasting data, comparing the Payne & Dolan unit recordings to the Stantec (Sauls Seismic) unit recordings, were prepared for the quarter, and are presented in **Attachment C. Figure 1** illustrates the locations of the blasts in the quarter. The Sauls Seismic units were calibrated on March 24, 2026 by the vendor and installed on April 7, 2026.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 2nd Quarter 2026

Highlights of the seismic data include the following:

- Between April 1 and June 30, 2026, a total of 28 blasting events occurred; 17 of 28 (60.7%) of these blasts were confirmed by the Stantec monitors.
- Per the Planned Development District agreements (PDD), 85% of the quarry's blasts within any calendar year must be below the maximum permissible vibration (of 0.30 inches per second (in/sec)), measured at the closest residence or inhabited structure not owned or controlled by the quarry. This is more stringent than State of Wisconsin regulations which require quarry operators to report any ground vibration levels to the Wisconsin Department of Natural Resources (WDNR) that are above 0.75 in/sec.
 - None of the blasting events measured by Payne & Dolan or Stantec had a vibration greater than 0.30 in/sec this quarter. 100% of the quarry's blasts year to date were below this level. This is in conformance with the PDD.
- Per the PDD, airblast overpressure resulting from P&D blasting shall not exceed 123 dB on at least 85% of its blasts within any single calendar year, measured at the residence or inhabited structure closest to the site of the blast which is not owned or controlled by the Operator. Notwithstanding any other provision in this subsection, the Operator shall not exceed the airblast limitation imposed by Wis. Adm. Code, SPS Ch. 307.
 - None of the blasting events measured by Payne & Dolan or Stantec had an airblast overpressure (AO) greater than 123 dB this quarter. 100% of the quarry's blasts year to date were below this level. This is in conformance with the PDD.
- In general, the largest blast readings at each monitor appear to correlate with the proximity of the nearest adjacent blast location.
 - The corresponding blast data measured by Stantec with the Sauls Seismic monitors generally aligned with the readings at each Payne & Dolan sponsored Vibra-Tech monitor.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 2nd Quarter 2026

Blast Complaint Evaluation

A compilation of all blast events and complaints received by Stantec for the period April 1 through June 30, 2026, is provided as **Attachment C**. Note the following:

Note 1: Attachment C does not provide the actual complainant details (name, address, and phone number) if known; it was decided to have this information remain confidential in this report.

Note 2: Attachment C also includes and highlights complaints from property owners located in new housing development in the Marquette Avenue area known as *Lots in Pleasant View Reserve*. These property owners, by acceptance on their individual deeds for each lot, have accepted that the Quarry operation may have an effect on the use and enjoyment of their lot(s), and have waived their right to any objection(s). A summary of those complaints received this quarter is provided below:

- 0 number of blast complaints from *Lots in Pleasant View Reserve*
- 0 number of complainants from *Lots in Pleasant View Reserve*

Note 3: Complainant identity may be released upon public records request to the City of Franklin.

Aside from any complaints received from property owners as outlined in Note 2 above, the locations of all other blasts and complaints are shown on **Figure 1**, and the following highlights this information:

Complaints - General

- 3 complaints (formally submitted)
- 0 complaints (informally submitted – phone call only)
- 2 complaints – regarding material in the road
- 1 complaint – regarding vibration/noise

Complaints – Blast Related

- 1 complaints – corresponding to actual blast events
- 0 complaints – not corresponding to specific blast events
- 0 complaints – complainant requested location not be identified
- 0 identified with general location
- 1 complaints – complainant location identified

Complaints (non-anonymous or general location given; confirmed blast related) - Locations

- 1 complaints – east of 51st Street
- 0 complaint – south of Drexel Avenue
- 0 complaints – west of Root River

Summary of Complaint Comments – Blast Related

- June 1, 2026, 10:28am (highest readings at the 7575 S. 51st St. monitor – 0.193 in/sec PPV, 111 dB AO) – one formal complaint to the southeast – blast in the central pit.
 - “I work from home and frequently hear and feel blasts from the quarry. Today around 10:20am was excessive, shaking my entire home and PC monitor, drawing my very first complaint in nearly 20 years.”

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 2nd Quarter 2026

Summary of Complaint Comments – Non-Blast Related

- April 15, 2026 – Rawson Avenue from 68th to 46th Streets – one formal complaint
 - *“Extreme cloud of dust. My car looked like I just drove through the desert! Please clean that up more often. The street sweeper you are sending out is not doing the job!”*
- June 10, 2026- Rawson Avenue – one formal complaint
 - *“Payne & Dolan needs to sweep the gravel dropped from the dump trucks they service on any of the curbed street to the west of their Rawson Avenue driveway as far as they extend and at least to 27th Street to the east. This mess is not in keeping with the cleanliness of the City.”*

Blast Events

- 28 blast events - during monitoring period 2Q2026 (shot numbers 17 through 44)
- 1 blast events - corresponding to complaints
 - 0 weather: rain or light rain
 - 1 weather: haze, partly to mostly cloudy, or cloudy
 - 0 weather: clear, fair, or scattered clouds
 - 1 time: prior to 12:00 pm (noon)
 - 0 time: after 12:00 pm

Quarry Blast Locations Producing Complaints

- 0 southern area of quarry
- 1 central area of quarry
- 0 northern area of quarry

Upon review of these results outlined above, on Figure 1, and in Attachment C, the following observations are made:

- Two of the complaints were regarding gravel on Rawson Avenue and street sweeping.
- One complaint regarding a blast from a resident to the southeast of the quarry (south of Drexel Avenue and east of 51st Street). There were thirteen blasts in this area of the quarry during this period; only one of these blasts produced a complaint.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 2nd Quarter 2026

Please feel free to contact Kristen Gunderson-Inden if you have any questions.

Sincerely,

STANTEC CONSULTING SERVICES INC.



Kristen Gunderson-Inden

Senior Environmental Scientist

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Senior Principal

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Attachments: A - Franklin Quarry Seismic Monitoring Description of Services

B - Franklin Quarry Seismic Monitoring Project Background

C - Summary of Seismic Data – 2nd Quarter 2026

Figure 1 - Seismic Monitoring, Blasting, and Complaint Locations, 2nd Quarter 2026

Attachment A Franklin Quarry Seismic Monitoring
Description of Services

DESCRIPTION OF SERVICES

Direct Observation (Visual) Monitoring

During 2026, Stantec will conduct a total of fourteen (14) qualitative site visits at the quarry to observe and document whether the site was compliant with operational parameters defined in the existing Planned Development District (PDD) agreements, and to evaluate whether the quarry's general operations are consistent with best management practices employed by other similar quarries. Site visits are a combination of announced and unannounced, but all are conducted during normal business hours. The days of the week and times of day for the visits vary. The observations are planned to be completed between April and October, when quarry operations are occurring, and airborne dust is more likely. Qualitative data to be collected includes the following:

- Visual observation of all aspects of the mining operation, including but not limited to:
 - Trucking operations, in particular pertaining to dust issues along Rawson Avenue
 - Operational issues that may affect local citizens in some form of adverse off-site impact
- Direct air quality observations, including:
 - General site and surrounding visual air quality, including opacity, in particular along Rawson Avenue
 - Dust control measures and issues on-site that may affect off-site receptors
 - Dust control issues directly adjacent off-site
 - Any other dust issues that may affect local citizens
- Quarry operations review (for announced visits), including:
 - Review of quarry records pertaining to dust control measures and recordkeeping, ensuring that the operator is following standard protocol to minimize off-site impacts, and evaluating how well and how quickly they respond to potential off-site impact situations
 - Comparison of records to stated performance objectives and respective PDD compliance, only as they pertain to dust in general, and along Rawson Avenue in particular

The findings of each visit will be documented on a standard form previously approved by the City. The form will be filled out by hand during each site visit and then scanned/posted to a project SharePoint site for review by City representatives. Stantec also will obtain photos to document site or directly adjacent off-site conditions, and short-duration video clips (e.g., showing dust impacts). These photos and videos are also uploaded to the project SharePoint site.

In addition to the observations and record review, Stantec also will obtain and document, on the inspection forms, local meteorological conditions that were relevant to the observations (e.g., temperature, wind speed, wind direction, humidity, and precipitation).

Stantec also will notify the City Planning Manager of any condition (pertaining to air or dust monitoring, or other PDD condition) that we become aware of that exceeds the allowances outlined in the PDD. This communication will be completed prior to noon on the business day following the day we become aware of any such event.

Seismic Monitoring

Stantec provides remote vibration monitoring using Nomis Seismographs. Sauls Seismic is subcontracted to operate two separate seismographs, which were co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street (VT1 and S1) and 5800 W. Allwood Drive (VT4 and S2). Payne & Dolan also had monitors at 7526 S. 51st Street (VT2) and southeast of the quarry (VT3). On May 12 and 13, 2025, Payne & Dolan moved VT2, VT3 and VT4 monitors to locations at 7575 S. 51st Street (VT2), 7721 S. 51st Street (VT3) and 5324 W. Drexel Avenue (VT4). The two Stantec meters remained at the same locations until August 13, 2025, when S2 was moved from 5800 W. Allwood Drive to the new VT4 location at 5324 W. Drexel Avenue. Meter S1 remains at the same location.

Each Sauls Seismic monitor is pole-mounted and provided with a weatherproof enclosure. Power is provided via an internal battery and an external battery connected to a solar panel. This type of configuration provides continuous (24/7) remote monitoring, allowing Stantec to have access to data anytime via the Internet.

Blast Complaint Evaluation

Periodically, the City forwards to Stantec specific information pertaining to quarry complaints received. Stantec evaluates each one on a quarterly basis to determine the following corresponding collaborative conditions:

- Off-site dust complaints: weather conditions (wind direction and speed) the day of the complaint
- Off-site seismic complaints: seismic data from both Stantec (if monitoring at the time) and Payne & Dolan placed monitors
- On occasion, the City may request an exceptional blast complaint evaluation if a blast event receives an unusually high number of complaints. A letter report will be issued by Stantec within approximately one week of the request that describes:
 - seismic data from both Stantec and Payne & Dolan placed monitors
 - weather conditions (wind direction and speed) the day of the complaint
 - a figure showing location of blast and complaints

Attachment B Franklin Quarry Seismic Monitoring Project
Background

Background Summary

Seismic monitoring was completed to document whether the site was compliant with operational parameters defined in the existing Planned Development District (PDD) agreements. Prior to 2018, Stantec completed a variety of 2, 4, and 8-week seismic monitoring periods. During 2018, Stantec completed one 4-week period and one 16-week period of monitoring. Monitoring consisted of placing a city-owned and maintained Instantel MiniMate Plus fixed seismograph equipped with an external geophone at one of two city-established blast monitoring sites or vaults for each period. Seismic data was downloaded once every two weeks. Due to equipment limitations the data could not be downloaded remotely as it occurs (i.e., real time).

In 2019, Stantec provided remote vibration monitoring by using Nomis Seismographs. Sauls Seismic was subcontracted to install two separate seismographs, each co-located with two existing Payne & Dolan (Vibra-Tech) monitors located at: 7301 S. 51st Street, and 5800 W. Allwood Drive. Each monitor was pole-mounted and provided with a weatherproof enclosure. Power was provided via an internal battery and an external battery connected to a solar panel. This type of configuration provided continuous (24/7) remote monitoring, allowing Stantec to have access to data anytime via the Internet.

As contracted by the City for 2026, Stantec is providing remote vibration monitoring using two seismographs co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street and 5800 W. Allwood Drive. The meter at 5800 W. Allwood Drive was moved in August 2025 to 5324 W. Drexel Avenue. The monitors provided continuous (24/7) remote monitoring. Quarterly summaries of blasting data, comparing the Payne & Dolan (Vibra-Tech) unit recordings to the Stantec (Sauls Seismic) unit recordings, will be prepared for the calendar year.

Per the PDD #23 and #24 Ordinances, 85% of the quarry's blasts within any calendar year must be below the maximum permissible vibration (also referred to as particle or ground velocity) of 0.30 inches per second (in/sec), measured at the closest residence or inhabited structure not owned or controlled by the quarry. This is more stringent than State of Wisconsin regulations (Wisconsin Department of Industry, Labor and Human Relations in ch.ILHR 7, Wis. Adm. Code on any blast [new reference now Wis. Adm. Code, Safety and Professional Services (SPS) Chapter 307]) which require quarry operators to report any ground vibration levels to the Wisconsin Department of Natural Resources that are above 0.75 in/sec.

Per the PDD #23 and #24 Ordinances, airblast resulting from P&D blasting shall not exceed 123 dB on at least 85% of its blasts within any single calendar year, measured at the residence or inhabited structure closest to the site of the blast which is not owned or controlled by the Operator. Notwithstanding any other provision in this subsection, the Operator shall not exceed the airblast limitation imposed by Wis. Adm. Code, SPS Ch. 307.

In addition to obtaining and reviewing the blast data from the city-owned, fixed seismograph, Stantec also received data from Payne & Dolan's Vibra-Tech (VT) meters, which provided independently-monitored Franklin Aggregate blasting data for the entire calendar year. Three of the four monitors used by Vibra-Tech at the start of 2025 were along South 51st Street, and one was just south of West Drexel Avenue. In May 2025, Payne & Dolan moved three of their monitors (VT2, VT3 and VT4) to new locations at 7575 S. 51st Street (VT2), 7721 S. 51st Street (VT3) and 5324 W. Drexel Avenue (VT4). VT1 remains at 7301 S. 51st Street. This independently monitored data was compared to the Stantec-obtained data

Attachment C Summary of Seismic Data – 2nd Quarter 2026

Payne & Dolan Blast Monitoring Data									Stantec Blast Monitoring Data			Comparison of P&D and Stantec Monitoring Data			Complaint Information			Weather (for complaints only)							
Date	Time	Activity Number	General Quarry Blast Location	Monitor Location	Distance (feet)	PPV (in/sec)	Freq (Hz)	AO (dB)	PPV (in/sec)	Freq (Hz)	AO (dB)	Difference in PPV Values	Difference in Freq Values	Difference in AO dB Values	Com-plaints?	#	Primary direction of complaints (from quarry)	Wind Direc-tion	Wind Speed (mph)	Wind Gusts (mph)	Press-ure (in)	Humi-dity (%)	Condi-tions	Precip-itation	Temp. (°F)
4/3/2026	46115.4389	17	central	5324 W. Drexel Ave.	1,876	0.045	23.8	108	N/D	N/D	N/D	--	--	--	no										
4/3/2026	46115.4389	17	central	7301 S 51st Street	2,123	0.023	11.9	114	N/D	N/D	N/D	--	--	--											
4/3/2026	46115.4389	17	central	7575 S. 51st St.	791	0.170	20.8	114																	
4/3/2026	46115.4389	17	central	7721 S. 51st St.	1,165	0.055	13.9	108																	
4/7/2026	46119.4688	18	central	5324 W. Drexel Ave.	2,293	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
4/7/2026	46119.4694	18	central	7301 S 51st Street	1,709	0.033	20.0	107	N/D	N/D	N/D	--	--	--											
4/7/2026	46119.4694	18	central	7575 S. 51st St.	700	0.215	33.3	109																	
4/7/2026	46119.4694	18	central	7721 S. 51st St.	1,454	0.043	16.1	108																	
4/7/2026	46119.5625	19	central	5324 W. Drexel Ave.	1,896	0.053	31.3	107	N/D	N/D	N/D	--	--	--	no										
4/7/2026	46119.5625	19	central	7301 S 51st Street	2,091	0.045	38.5	104	N/D	N/D	N/D	--	--	--											
4/7/2026	46119.5625	19	central	7575 S. 51st St.	695	0.190	23.8	108																	
4/7/2026	46119.5625	19	central	7721 S. 51st St.	1,104	0.065	16.1	109																	
4/13/2026	46125.5868	20	central	5324 W. Drexel Ave.	2,209	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
4/13/2026	46125.5861	20	central	7301 S 51st Street	1,779	0.040	12.5	109	N/D	N/D	N/D	--	--	--											
4/13/2026	46125.5861	20	central	7575 S. 51st St.	604	0.260	33.3	112																	
4/13/2026	46125.5861	20	central	7721 S. 51st St.	1,330	0.073	16.1	109																	
4/16/2026	46128.4938	21	central	5324 W. Drexel Ave.	1,995	0.030	31.3	109	N/D	N/D	N/D	--	--	--	no										
4/16/2026	46128.4938	21	central	7301 S 51st Street	1,995	0.028	35.7	109	N/D	N/D	N/D	--	--	--											
4/16/2026	46128.4938	21	central	7575 S. 51st St.	674	0.190	35.7	115																	
4/16/2026	46128.4931	21	central	7721 S. 51st St.	1,188	0.040	26.3	107																	
4/16/2026	46128.5792	22	central	5324 W. Drexel Ave.	1,881	0.033	22.7	100	N/D	N/D	N/D	--	--	--	no										
4/16/2026	46128.5792	22	central	7301 S 51st Street	2,115	0.020	13.9	101	N/D	N/D	N/D	--	--	--											
4/16/2026	46128.5792	22	central	7575 S. 51st St.	767	0.183	41.7	103																	
4/16/2026	46128.5792	22	central	7721 S. 51st St.	1,149	0.055	14.3	101																	
4/22/2026	46134.5632	23	south	5324 W. Drexel Ave.	1,443	0.093	27.8	112	N/D	N/D	N/D	--	--	--	no										
4/22/2026	46134.5632	23	south	7301 S 51st Street	2,600	0.023	11.1	112	N/D	N/D	N/D	--	--	--											
4/22/2026	46134.5632	23	south	7575 S. 51st St.	1,199	0.090	31.3	114																	
4/22/2026	46134.5632	23	south	7721 S. 51st St.	1,126	0.175	23.8	113																	
4/24/2026	46136.4986	24	north	5324 W. Drexel Ave.	3,274	0.040	11.1	110	N/D	N/D	N/D	--	--	--	no										
4/24/2026	46136.4986	24	north	7301 S 51st Street	1,421	0.073	12.8	119	0.0775	17.0	111.8	-0.005	-4.2	7.2											
4/24/2026	46136.4986	24	north	7575 S. 51st St.	1,811	0.053	13.2	114																	
4/24/2026	46136.4986	24	north	7721 S. 51st St.	2,661	0.058	17.2	113																	
5/1/2026	46143.5424	25	north	5324 W. Drexel Ave.	3,874	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
5/1/2026	46143.5382	25	north	7301 S 51st Street	1,152	0.1725	41.7	110	0.1350	36.5	102.8	0.037	5.2	7.2											
5/1/2026	46143.5382	25	north	7575 S. 51st St.	2,182	0.0425	18.5	117																	
5/1/2026	46143.5424	25	north	7721 S. 51st St.	3,147	N/D	N/D	N/D																	
5/7/2026	46149.4792	26	north	5324 W. Drexel Ave.	3,848	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
5/7/2026	46149.4792	26	north	7301 S 51st Street	1,820	0.0275	6.7	112	N/D	N/D	N/D	--	--	--											
5/7/2026	46149.4792	26	north	7575 S. 51st St.	2,536	N/D	N/D	N/D																	
5/7/2026	46149.4792	26	north	7721 S. 51st St.	3,364	N/D	N/D	N/D																	
5/8/2026	46150.4757	27	north	5324 W. Drexel Ave.	3,884	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
5/8/2026	46150.4764	27	north	7301 S 51st Street	1,626	0.03	33.3	110	N/D	N/D	N/D	--	--	--											
5/8/2026	46150.4757	27	north	7575 S. 51st St.	2,450	N/D	N/D	N/D																	
5/8/2026	46150.4757	27	north	7721 S. 51st St.	3,325	N/D	N/D	N/D																	
5/14/2026	46156.5104	28	north	5324 W. Drexel Ave.	3,775	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
5/14/2026	46156.5097	28	north	7301 S 51st Street	1,227	0.1175	29.4	112	0.0850	34.1	105.5	0.032	-4.7	6.5											
5/14/2026	46156.5104	28	north	7575 S. 51st St.	2,141	N/D	N/D	N/D																	
5/14/2026	46156.5104	28	north	7721 S. 51st St.	3,082	N/D	N/D	N/D																	
5/20/2026	46162.5	29	north	5324 W. Drexel Ave.	3,779	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
5/20/2026	46162.5	29	north	7301 S 51st Street	1,301	0.09	50.0	113	0.0600	32.0	108.4	0.030	18.0	4.6											

Payne & Dolan Blast Monitoring Data									Stantec Blast Monitoring Data			Comparison of P&D and Stantec Monitoring Data			Complaint Information			Weather (for complaints only)							
Date	Time	Activity Number	General Quarry Blast Location	Monitor Location	Distance (feet)	PPV (in/sec)	Freq (Hz)	AO (dB)	PPV (in/sec)	Freq (Hz)	AO (dB)	Difference in PPV Values	Difference in Freq Values	Difference in AO dB Values	Com-plaints?	#	Primary direction of complaints (from quarry)	Wind Direc-tion	Wind Speed (mph)	Wind Gusts (mph)	Press-ure (in)	Humi-dity (%)	Condi-tions	Precip-itation	Temp. (°F)
5/20/2026	46162.5	29	north	7575 S. 51st St.	2,185	0.04	10.2	112							no										
5/20/2026	46162.5	29	north	7721 S. 51st St.	3,112	N/D	N/D	N/D																	
5/20/2026	46162.5361	30	central	5324 W. Drexel Ave.	1,909	0.055	26.3	110	0.0425	25.6	100.0	0.012	0.7	10.0											
5/20/2026	46162.5361	30	central	7301 S 51st Street	2,122	0.02	27.8	103	N/D	N/D	N/D	--	--	--											
5/20/2026	46162.5361	30	central	7575 S. 51st St.	902	0.0975	19.2	107																	
5/20/2026	46162.5361	30	central	7721 S. 51st St.	1,284	0.095	29.4	110							no										
5/21/2026	46163.4146	31	south	5324 W. Drexel Ave.	1,396	0.0675	8.9	110	0.0700	18.2	101.0	-0.003	-9.3	9.0											
5/21/2026	46163.4146	31	south	7301 S 51st Street	2,889	0.0225	11.6	105	N/D	N/D	N/D	--	--	--											
5/21/2026	46163.4146	31	south	7575 S. 51st St.	1,641	0.075	23.8	111																	
5/21/2026	46163.4146	31	south	7721 S. 51st St.	1,509	0.1175	25.0	114																	
5/21/2026	46163.5563	32	south	5324 W. Drexel Ave.	1,181	0.0825	29.4	111	0.0650	28.4	101.0	0.018	1.0	10.0	no										
5/21/2026	46163.5563	32	south	7301 S 51st Street	3,031	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
5/21/2026	46163.5563	32	south	7575 S. 51st St.	1,674	0.04	14.3	105																	
5/21/2026	46163.5563	32	south	7721 S. 51st St.	1,396	0.0975	18.5	108							no										
5/26/2026	46168.4771	33	south	5324 W. Drexel Ave.	1,181	0.075	16.7	108	0.0900	15.5	97.5	-0.015	1.2	10.5											
5/26/2026	46168.4771	33	south	7301 S 51st Street	3,031	0.025	13.2	100	N/D	N/D	N/D	--	--	--											
5/26/2026	46168.4771	33	south	7575 S. 51st St.	1,674	0.0875	25.0	106																	
5/26/2026	46168.4771	33	south	7721 S. 51st St.	1,396	0.095	31.3	107																	
5/28/2026	46170.6125	34	central	5324 W. Drexel Ave.	2,169	0.0425	11.9	110	0.0425	11.6	100.0	0.000	0.3	10.0	no										
5/28/2026	46170.6125	34	central	7301 S 51st Street	1,861	0.0325	11.6	102	N/D	N/D	N/D	--	--	--											
5/28/2026	46170.6125	34	central	7575 S. 51st St.	823	0.135	25.0	111																	
5/28/2026	46170.6125	34	central	7721 S. 51st St.	1,439	0.09	14.3	108																	
6/1/2026	46174.4361	35	central	5324 W. Drexel Ave.	2,067	0.045	14.7	107	0.0400	16.5	98.8	0.005	-1.8	8.2	yes	1	southeast	NE	8	none	29.33	36	mostly cloudy	none	66
6/1/2026	46174.4361	35	central	7301 S 51st Street	1,986	0.0400	8.6	108	N/D	N/D	N/D	--	--	--											
6/1/2026	46174.4361	35	central	7575 S. 51st St.	914	0.193	29.4	111																	
6/1/2026	46174.4361	35	central	7721 S. 51st St.	1,422	0.105	21.7	108																	
6/1/2026	46174.5368	36	south	5324 W. Drexel Ave.	1,362	0.0650	17.9	112	0.0650	22.2	101.0	0.000	-4.3	11.0	no										
6/1/2026	46174.5368	36	south	7301 S 51st Street	2,817	0.025	16.7	100	N/D	N/D	N/D	--	--	--											
6/1/2026	46174.5368	36	south	7575 S. 51st St.	1,508	0.0850	13.2	108																	
6/1/2026	46174.5368	36	south	7721 S. 51st St.	1,366	0.1175	21.7	107																	
6/3/2026	46176.45	37	south	5324 W. Drexel Ave.	1,164	0.0625	26.3	107	0.0650	25.6	98.8	--	--	--	no										
6/3/2026	46176.4479	37	south	7301 S 51st Street	2,999	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
6/3/2026	46176.45	37	south	7575 S. 51st St.	1,612	0.0350	25.0	103																	
6/3/2026	46176.45	37	south	7721 S. 51st St.	1,323	0.0825	41.7	103																	
6/3/2026	46176.566	38	south	5324 W. Drexel Ave.	966	0.083	41.7	105	0.0625	46.5	95.9	0.020	-4.8	9.1	no										
6/3/2026	46176.5694	38	south	7301 S 51st Street	3,182	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
6/3/2026	46176.566	38	south	7575 S. 51st St.	1,734	0.035	62.5	105																	
6/3/2026	46176.566	38	south	7721 S. 51st St.	1,309	0.078	38.5	102																	
6/8/2026	46181.4847	39	central	5324 W. Drexel Ave.	2,225	0.0425	11.1	109	N/D	N/D	N/D	--	--	--	no										
6/8/2026	46181.4847	39	central	7301 S 51st Street	1,800	0.030	11.6	103	N/D	N/D	N/D	--	--	--											
6/8/2026	46181.4847	39	central	7575 S. 51st St.	800	0.1425	15.2	109																	
6/8/2026	46181.4847	39	central	7721 S. 51st St.	1,465	0.0725	11.1	112																	
6/10/2026	46183.4611	40	central	5324 W. Drexel Ave.	2,080	0.0475	15.6	105	0.0500	17.6	94.0	-0.003	-2.0	11.0	no										
6/10/2026	46183.4611	40	central	7301 S 51st Street	1,925	0.0475	38.5	107	0.0475	39.3	100.0	0.000	-0.8	7.0											
6/10/2026	46183.4611	40	central	7575 S. 51st St.	742	0.2050	20.8	110																	
6/10/2026	46183.4611	40	central	7721 S. 51st St.	1,314	0.0875	17.2	106																	
6/19/2026	46192.5313	41	south	5324 W. Drexel Ave.	892	0.1400	38.5	105	0.1300	42.6	97.5	0.010	-4.1	7.5	no										
6/19/2026	46192.5313	41	south	7301 S 51st Street	3,305	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
6/19/2026	46192.5313	41	south	7575 S. 51st St.	1,856	0.053	29.4	103																	
6/19/2026	46192.5313	41	south	7721 S. 51st St.	1,388	0.085	27.8	104																	

Payne & Dolan Blast Monitoring Data									Stantec Blast Monitoring Data			Comparison of P&D and Stantec Monitoring Data			Complaint Information			Weather (for complaints only)							
Date	Time	Activity Number	General Quarry Blast Location	Monitor Location	Distance (feet)	PPV (in/sec)	Freq (Hz)	AO (dB)	PPV (in/sec)	Freq (Hz)	AO (dB)	Difference in PPV Values	Difference in Freq Values	Difference in AO dB Values	Com-plaints?	#	Primary direction of complaints (from quarry)	Wind Direc-tion	Wind Speed (mph)	Wind Gusts (mph)	Press-ure (in)	Humi-dity (%)	Condi-tions	Precip-itation	Temp. (°F)
6/19/2026	46192.5347	42	central	5324 W. Drexel Ave.	1,953	0.0450	22.7	106	0.0400	18.2	97.5	0.005	4.5	8.5	no										
6/19/2026	46192.5333	42	central	7301 S 51st Street	2,108	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
6/19/2026	46192.5347	42	central	7575 S. 51st St.	969	0.1025	23.8	112																	
6/19/2026	46192.5347	42	central	7721 S. 51st St.	1,371	0.0750	13.5	108																	
6/25/2026	46198.5208	43	north	5324 W. Drexel Ave.	3,877	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
6/25/2026	46198.5201	43	north	7301 S 51st Street	1,226	0.120	55.6	113	0.1050	18.9	104.9	0.015	36.7	8.1											
6/25/2026	46198.5201	43	north	7575 S. 51st St.	2,223	0.040	22.7	122																	
6/25/2026	46198.5208	43	north	7721 S. 51st St.	3,175	N/D	N/D	N/D																	
6/29/2026	46202.4674	44	central	5324 W. Drexel Ave.	2,337	0.0450	20.0	109	N/D	N/D	N/D	--	--	--	no										
6/29/2026	46202.4674	44	central	7301 S 51st Street	1,674	0.0375	23.8	110	N/D	N/D	N/D	--	--	--											
6/29/2026	46202.4674	44	central	7575 S. 51st St.	745	0.1875	23.8	109																	
6/29/2026	46202.4674	44	central	7721 S. 51st St.	1,512	0.0725	16.7	108																	
Totals		28													1	1									

Notes:

Shaded cells do not have a meter in that location
N/D = not detected, meter did not detect blast

Figure 1 Seismic Monitoring, Blasting, and Complaint Locations, 2nd Quarter 2026



Figure No.

1

**Seismic Monitoring, Blasting, and
Complaint Locations - 2nd Quarter 2026**

Client/Project
City of Franklin
Vicinity of Payne and Dolan Quarry

93712004

Project Location
C. of Franklin, Milwaukee Co., WI

Prepared by AJS on 2026-07-06
TR by DG on 2026-07-06
IR by KGI on 2026-07-06



0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend

Seismic Monitoring Location

- ☐ (A) Vibra-Tech(VT1) and Stantec(S1)
☐ (B) Vibra-Tech(VT2)
☐ (C) Vibra-Tech(VT3)
☐ (D) Vibra-Tech(VT4)and Stantec(S2)

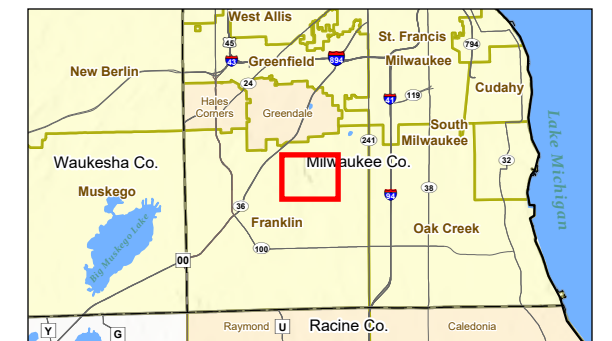
● Non-complaint Blast Location

Complaint Blast Location

 Blast #35

Address Specific Blast Complaint

 Blast #35



Notes1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet2. Data Sources: Stantec, SCO, WDNR, WisDOT3. Orthophotography: 2024 Milwaukee Co

