CITY OF FRANKLIN
QUARRY MONITORING COMMITTEE*
MEETING AGENDA

Franklin City Hall, Council Chambers
9229 West Loomis Road, Franklin, Wisconsin 53132
Tuesday, May 12, 2026, 6:00 p.m.

I. Call to Order, Roll Call and Pledge of Allegiance

II. Approval of Minutes

a. Regular meeting of January 27, 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. Selection of chair and vice-chair.

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

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 **unapproved**
Quarry Monitoring Committee Meeting
January 27, 2026
Minutes

I. Call to Order and Roll Call

Vice Chair Nabil Salous called the January 27, 2026 Quarry Monitoring Committee to order at 6:08 p.m. in the Council Chambers at Franklin City Hall, 9229 W. Loomis Road, Franklin, Wisconsin.

Present was Vice Chair Nabil Salous and Members Edward Pings and Jon TenHaken. Excused was Chair Dina Swanson and Alderman Yousef Hasan. 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 Pings moved and Member TenHaken seconded a motion to approve the minutes of the October 28, 2025. On voice vote, all voted 'aye;' motion carried (3-0-2).

III. Citizen Comment

The Citizen Comment period opened at 6:09 pm and closed at 6:10 pm.

IV. Business

a. Presentation by Stantec Consulting Services, Inc., 4th quarter of 2025 (Oct-Dec).

Kristen Gunderson-Inden of Stantec Consulting Services presented.

Member Pings moved and Member TenHaken seconded a motion to accept and place on file. On voice vote, all voted 'aye; motion carried (3-0-2).

b. Annual nonmetallic mining report (2025).

Planning Manager Martinez-Montilva presented.

Member Pings moved and Member TenHaken seconded a motion to accept and place on file. On voice vote, all voted 'aye; motion carried (3-0-2).

V. Schedule next meeting

Next meeting is scheduled for May 12, 2026

VI. Adjournment

Member Pings moved and Member TenHaken seconded to adjourn the January 27, 2026 Quarry Monitoring Committee meeting at 6:26 pm. On voice vote, all voted ‘aye;’ motion carried (3-0-2).

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

April 16, 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: 1st Quarter 2026

The enclosed information summarizes monitoring activities completed during the first 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.

One observation event was completed during the monitoring period. An unannounced inspection was performed on March 9. The street sweeper was not observed in use on Rawson Avenue during one of the two visits. Minor dust was observed from trucks exiting to the east on Rawson Avenue during the visit. No other issues were observed. The northwest gate was in use, and the northeast gate was closed during the visit.

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.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 1st Quarter 2026

Highlights of the seismic data include the following:

- Between January 1 and March 31, 2026, a total of 16 blasting events occurred; 10 of 16 (62.5%) 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: 1st Quarter 2026

Blast Complaint Evaluation

A compilation of all blast events and complaints received by Stantec for the period January 1 through March 31, 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

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

Complaints – Blast Related

- 0 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: east of the Quarry
- 0 identified with general location: south of the Quarry
  - 0 identified with general location: west of the quarry
  - 0 identified with no general location given
- 0 complaints – complainant location identified

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

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

Summary of Complaint Comments – Blast Related

- There were no blast-related complaints this quarter.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 1st Quarter 2026

Summary of Complaint Comments – Non-Blast Related

- There were no non-blast related complaints this quarter.

Blast Events

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

Quarry Blast Locations Producing Complaints

- 0 southern area of quarry
- 0 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:

- No complaints this quarter.

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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Mobile: (262) 665-3447
kristen.gunderson-inden@stantec.com

Mike Roznowski, CHMM
Senior Principal
Phone: (920) 278-3200
Mobile: (920) 655-1852
mike.roznowski@stantec.com

Attachments: A - Franklin Quarry Seismic Monitoring Description of Services
B - Franklin Quarry Seismic Monitoring Project Background
C - Summary of Seismic Data – 1st Quarter 2026
Figure 1 - Seismic Monitoring, Blasting, and Complaint Locations, 1st 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 – 1st 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)
1/5/26	11:13 AM	1	south	5324 W. Drexel Ave.	1,440	0.050	45.5	110.0	0.0625	36.5	108.0	-0.013	9.0	2.0	no										
1/5/26	11:13 AM	1	south	7301 S 51st Street	2,696	0.025	12.2	105.0	N/D	N/D	N/D	--	--	--											
1/5/26	11:13 AM	1	south	7575 S. 51st St.	1,388	0.058	15.2	111.0																	
1/5/26	11:13 AM	1	south	7721 S. 51st St.	1,312	0.073	29.4	107.0																	
1/7/26	11:28 AM	2	central	5324 W. Drexel Ave.	2,214	0.088	23.8	108.0	0.0675	28.4	106.0	0.020	-4.6	2.0	no										
1/7/26	11:28 AM	2	central	7301 S 51st Street	1,897	0.043	10.9	113.0	0.0475	10.6	105.5	-0.005	0.3	7.5											
1/7/26	11:28 AM	2	central	7575 S. 51st St.	1,023	0.143	18.5	113.0																	
1/7/26	11:28 AM	2	central	7721 S. 51st St.	1,601	0.078	15.6	105.0																	
1/15/26	10:51 AM	3	central	5324 W. Drexel Ave.	2,363	0.040	13.9	110.0	0.0450	17.0	109.5	-0.005	-3.1	0.5	no										
1/15/26	10:51 AM	3	central	7301 S 51st Street	1,715	0.063	10.2	114.0	0.0625	9.8	103.5	0.000	0.4	10.5											
1/15/26	10:51 AM	3	central	7575 S. 51st St.	943	0.165	18.5	107.0																	
1/15/26	10:51 AM	3	central	7721 S. 51st St.	1,650	0.078	17.9	110.0																	
2/3/26	11:51 AM	4	central	5324 W. Drexel Ave.	2,054	0.073	14.7	111.0	0.0700	16.5	110.6	0.002	-1.8	0.4	no										
2/3/26	11:51 AM	4	central	7301 S 51st Street	2,017	0.048	12.5	106.0	0.0450	10.4	97.5	0.003	2.1	8.5											
2/3/26	11:51 AM	4	central	7575 S. 51st St.	964	0.143	15.2	110.0																	
2/3/26	11:51 AM	4	central	7721 S. 51st St.	1,447	0.118	10.2	108.0																	
2/4/26	12:47 PM	5	central	5324 W. Drexel Ave.	1,829	0.080	15.6	111.0	0.0675	17.0	111.8	0.013	-1.4	-0.8	no										
2/4/26	12:47 PM	5	central	7301 S 51st Street	2,197	0.048	35.7	117.0	0.0425	36.5	104.2	0.005	-0.8	12.8											
2/4/26	12:47 PM	5	central	7575 S. 51st St.	918	0.183	31.3	109.0																	
2/4/26	12:47 PM	5	central	7721 S. 51st St.	1,225	0.183	31.3	113.0																	
2/9/26	11:38 AM	6	central	5324 W. Drexel Ave.	1,771	0.063	19.2	107.0	0.0525	18.9	106.6	0.010	0.3	0.4	no										
2/9/26	11:38 AM	6	central	7301 S 51st Street	2,230	0.045	38.5	116.0	0.0450	39.3	104.2	0.000	-0.8	11.8											
2/9/26	11:38 AM	6	central	7575 S. 51st St.	854	0.150	23.8	109.0																	
2/9/26	11:38 AM	6	central	7721 S. 51st St.	1,112	0.143	25.0	109.0																	
2/17/26	2:06 PM	7	central	5324 W. Drexel Ave.	1,557	0.068	25.0	111.0	0.0800	26.9	108.0	-0.013	-1.9	3.0	no										
2/17/26	2:06 PM	7	central	7301 S 51st Street	2,451	0.030	12.5	112.0	N/D	N/D	N/D	--	--	--											
2/17/26	2:06 PM	7	central	7575 S. 51st St.	1,020	0.143	25.0	114.0																	
2/17/26	2:06 PM	7	central	7721 S. 51st St.	1,049	0.148	27.8	111.0																	
2/19/26	12:10 PM	8	north	5324 W. Drexel Ave.	3,863	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
2/19/26	12:04 PM	8	north	7301 S 51st Street	1,894	0.040	13.5	112.0	N/D	N/D	N/D	--	--	--											
2/19/26	12:04 PM	8	north	7575 S. 51st St.	2,591	0.033	16.1	99.0																	
2/19/26	12:10 PM	8	north	7721 S. 51st St.	3,405	N/D	N/D	N/D																	
2/23/26	11:51 AM	9	north	5324 W. Drexel Ave.	3,886	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
2/23/26	11:49 AM	9	north	7301 S 51st Street	1,374	0.045	38.5	113.0	N/D	N/D	N/D	--	--	--											
2/23/26	11:51 AM	9	north	7575 S. 51st St.	2,311	N/D	N/D	N/D																	
2/23/26	11:51 AM	9	north	7721 S. 51st St.	3,235	N/D	N/D	N/D																	
2/26/26	12:20 PM	10	central	5324 W. Drexel Ave.	2,262	0.048	12.5	111.0	0.0400	12.8	107.0	0.008	-0.300	4.000	no										
2/26/26	12:20 PM	10	central	7301 S 51st Street	1,803	0.028	15.6	110.0	N/D	N/D	N/D	--	--	--											
2/26/26	12:20 PM	10	central	7575 S. 51st St.	915	0.133	31.3	107.0																	
2/26/26	12:20 PM	10	central	7721 S. 51st St.	1,564	0.093	13.5	107.0																	
3/2/26	46083.4951	11	central	5324 W. Drexel Ave.	1,549	0.070	23.8	109.0	0.0650	24.3	107.5	0.005	-0.5	1.5	no										
3/2/26	46083.4958	11	central	7301 S 51st Street	2,478	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
3/2/26	46083.4951	11	central	7575 S. 51st St.	1,086	0.103	35.7	107.0																	
3/2/26	46083.4951	11	central	7721 S. 51st St.	1,111	0.125	33.3	109.0																	
3/4/26	46085.5521	12	north	5324 W. Drexel Ave.	3,893	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
3/4/26	46085.55	12	north	7301 S 51st Street	1,448	0.045	12.2	112.0	N/D	N/D	N/D	--	--	--											
3/4/26	46085.5521	12	north	7575 S. 51st St.	2,357	N/D	N/D	N/D																	
3/4/26	46085.5521	12	north	7721 S. 51st St.	3,268	N/D	N/D	N/D																	
3/19/26	46100.4201	13	west central	5324 W. Drexel Ave.	3,340	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
3/19/26	46100.4201	13	west central	7301 S 51st Street	2,951	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											

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)
3/19/26	46100.4201	13	west central	7575 S. 51st St.	2,935	N/D	N/D	N/D																	
3/19/26	46100.4201	13	west central	7721 S. 51st St.	3,384	N/D	N/D	N/D																	
3/19/26	46100.5576	14	central	5324 W. Drexel Ave.	1,992	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
3/19/26	46100.5576	14	central	7301 S 51st Street	1,995	0.030	38.5	111.0	N/D	N/D	N/D	--	--	--											
3/19/26	46100.5576	14	central	7575 S. 51st St.	779	0.105	35.7	106.0																	
3/19/26	46100.5576	14	central	7721 S. 51st St.	1,284	0.050	14.7	110.0																	
3/20/26	46101.5278	15	central	5324 W. Drexel Ave.	3,910	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
3/20/26	46101.5271	15	central	7301 S 51st Street	1,597	0.068	35.7	116.0	0.0775	32.0	107.0	0.005	-0.500	1.500											
3/20/26	46101.5278	15	central	7575 S. 51st St.	2,453	N/D	N/D	N/D																	
3/20/26	46101.5278	15	central	7721 S. 51st St.	3,337	N/D	N/D	N/D																	
3/24/26	46105.4563	16	central	5324 W. Drexel Ave.	2,293	0.035	29.4	106.0	N/D	N/D	N/D	--	--	--	no										
3/24/26	46105.4563	16	central	7301 S 51st Street	1,709	0.033	41.7	107.0	N/D	N/D	N/D	--	--	--											
3/24/26	46105.4563	16	central	7575 S. 51st St.	700	0.158	29.4	105.0																	
3/24/26	46105.4563	16	central	7721 S. 51st St.	1,454	0.058	20.0	104.0																	
Totals		**16**													**0**	**0**									

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, 1st Quarter 2026

Figure No.

1

Title

Seismic Monitoring, Blasting, and Complaint Locations - 1st Quarter 2026

Client/Project 193712004

City of Franklin
Vicinity of Payne and Dolan Quarry

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

Prepared by AJS on 2026-04-15
TR by DG on 2026-04-15
IR by KGI on 2026-04-15

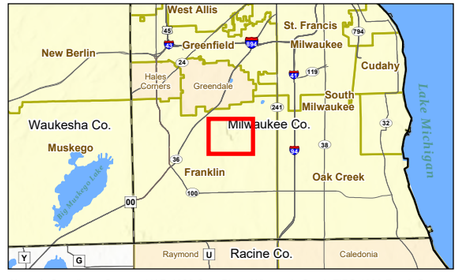
N

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



***Notes*1.** Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet**2.** Data Sources: Stantec, SCO, WDNR, WisDOT**3.** Orthophotography: 2024 Milwaukee Co

Stantec