

CITY OF FRANKLIN
QUARRY MONITORING COMMITTEE*
MEETING AGENDA

Franklin City Hall, Council Chambers
9229 West Loomis Road, Franklin, Wisconsin 53132
Tuesday, May 23, 2023, 6:00 p.m.

- I. Call to Order, Roll Call and Pledge of Allegiance
- II. Approval of Minutes
 - a. Regular meeting of January 24, 2023.
- 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. Welcome Alderman Hasan.
 - b. Selection of chair and vice-chair.
 - c. Quarterly presentation by Stantec Consulting Services, Inc., 1st quarter of calendar year 2023 (January, February and March).
 - d. Review and discussion on matters pertaining to citizen complaints, blasting data from Payne & Dolan and Stantec (the City's consultant).
 - e. Discussion about quarry monitoring scope of services for calendar year 2024.
 - f. 2022 Annual Reclamation Report.
- 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
Council Chambers, Franklin City Hall
6:00 PM
January 24, 2023
Minutes

unapproved

I. CALL TO ORDER

The November 29, 2022, Quarry Monitoring Committee meeting was called to order by Alderman Mike Barber at 6:00 p.m. in the Council Chambers at City Hall.

Chair Alderman Mike Barber, vice-chair Dina Swanson (non-voting), Alderwoman Kristen Wilhelm as well as members Edward Pings and Jon TenHaken were present. Also present were Principal Planner Régulo Martínez-Montilva; Clint Weninger and Wes Hinline of Payne & Dolan; and Kristen Gunderson-Inden of Stantec Consulting Services.

II. APPROVAL OF MINUTES

a. Regular meeting of November 29, 2022

Member Pings moved and member TenHaken seconded to approve the minutes as presented. On voice vote, all present voted 'aye'; the vote was 4-0-0, motion carried.

III. CITIZEN COMMENT PERIOD

Citizen comment period opened at 6:02 p.m. and closed at 6:02 p.m. No citizen comments.

IV. HEARINGS

No Hearings.

V. BUSINESS

a. Quarterly presentation by Stantec Consulting Services, Inc., 4th quarter of calendar year 2022 (October, November and December).

Kristen Gunderson-Inden of Stantec Consulting Services presented the quarterly report. Member TenHaken moved and vice-chair Swanson seconded a motion to accept the quarterly report and place it on file, as well as forward to the Common Council the quarterly reports of calendar year 2022. On voice vote, all present voted 'aye'; the vote was 4-0-0, motion carried.

b. Review and discussion on matters pertaining to citizen complaints, blasting data from Payne & Dolan and Stantec (the City's consultant).

Principal Planner informed the committee that no complaints have been received in 2023 so far.

c. Amendment to the committee's agenda template: deletion of "Hearings".

Member TenHaken moved and member Pings seconded a motion to remove the "Hearings" item from the standard agenda template. On voice vote, all present voted 'aye'; the vote was 4-0-0,

motion carried. The “Hearings” item may be included in future agendas if needed on a case by case basis.

VI. SCHEDULE NEXT MEETING

Member TenHaken moved and vice-chair Swanson seconded a motion to cancel the March meeting. Next meeting is scheduled for May 23, 2023.

VII. ADJOURNMENT

Member Pings moved and member TenHaken seconded to adjourn the January 24, 2022 Quarry Monitoring Committee meeting at 6:28 p.m.. All present voted ‘aye’; motion carried.

DRAFT

May 4, 2023

Regulo Martínez-Montilva
Principal Planner - Department of City Development
City of Franklin
9229 W. Loomis Road
Franklin, Wisconsin 53132
RMartinez-Montilva@franklinwi.gov

Reference: City of Franklin, WI – Franklin Aggregates Quarry Monitoring Summary
Period: 1st Quarter 2023
Stantec Project: 193709433

Dear Mr. Martínez-Montilva:

The enclosed information summarizes monitoring activities completed during the first quarter of 2023 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 description 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 Teams site for review by City representatives. Copies of individual reports are not provided with this summary report.

No observation events were completed during the monitoring period; the first observation of 2023 will be in April.

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 5800 W. Allwood Drive (VT4 and S2). The monitoring provides continuous (24/7) remote monitoring. Payne & Dolan also has monitors at 7526 S. 51st Street (VT2) and southeast of the quarry (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.

Highlights of the seismic data include the following:

- Between January 1 and March 31, 2023, a total of ten blasting events occurred. Eight of ten (80%) 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 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; thus 100% of the quarry's blasts were below this level. This is in conformance with the PDD.

- Per the PDD, 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.
 - None of the blasting events measured by Payne & Dolan or Stantec had an air overpressure (AO) greater than 123dB; thus 100% of the quarry's blasts this quarter were below this level. This is in conformance with the PDD.
- The corresponding blast data measured by Stantec with the Sauls Seismic monitors generally aligned with the readings at each Payne & Dolan sponsored Vibra-Tech monitors. There were some larger differences in the AO readings. It should be noted that in addition to the fact the monitors are produced by different manufacturers, there are a variety of variables that can influence actual PPV readings. The Sauls Seismic monitors were recalibrated in the late summer/early fall 2022 (5800 W. Allwood Dr. on 9/15/22 and 7301 S. 51st St. on 8/23/22); calibration is typically completed annually.
- In general, the largest blast readings at each monitor appear to correlate with the proximity of the nearest adjacent blast location.

Blast Complaint Evaluation

A compilation of all blast events and complaints received by Stantec for the period January 1 through March 31, 2023, is provided as Attachment C. Note that 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. However, complainant identity may be released upon public records request to the City of Franklin. The locations of all blasts and complaints are shown on Figure 1. The following highlights the results of the complaint evaluation:

Complaints - General

- 2 complaints (formally submitted) – total
- 0 complaints (informally submitted, e.g., phone call)
- 2 complaints – regarding noise
- 0 complaints – regarding dust
- 0 complaints – miscellaneous
- 2 complaints – regarding vibration

Complaints – Blast Related

- 2 complaints – corresponding to actual blast events (informal complaint was a voicemail message with limited information provided about 2 hours after a blast event)
- 0 complaints – not corresponding to actual blast events
- 2 complaints – complainant location identified
 - 2 households that complained once

Summary of Complaint Comments – Blast Related

- February 8, 2023 (highest readings at SE of Quarry meter – 0.113 in/sec PPV, 110 dB AO)
 - “Blast shook house with accompanying crack sound.”
 - “Quarry blast shook entire house.”

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Reference: City of Franklin, WI – Franklin Aggregates Quarry Monitoring Summary Period: 1Q2023

Complaints (non-anonymous; confirmed blast related) - Locations

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

Blast Events

- 10 blast events - during monitoring period 1Q2023 (shot numbers 1 through 10)
- 1 blast events - corresponding to complaints
 - 0 weather: rain
 - 1 weather: haze, partly to mostly cloudy, or cloudy
 - 0 weather: clear, fair, or scattered clouds
 - 0 time: prior to 12:00 pm (noon)
 - 1 time: after 12:00 pm
- 1 blast event with two complaints

Quarry Blast Locations Producing Complaints

- 1 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:

- Very few, if any, quarry operational complaints are made regarding dust or truck traffic. Most complaints focus on quarry blasting and resulting ground vibrations.
- All of the complaints in this quarter originate from residences south of Drexel Avenue; these blasts were in the southern portion of the quarry.
- No blast this quarter had more than two complaints.
- No complaints came from west of the Root River.

Please feel free to contact Mike Roznowski at 920-278-3200 or mike.roznowski@stantec.com; or Kristen Gunderson-Inden at 262-665-3447 or kristen.gunderson-inden@stantec.com if you have any questions.

Respectfully,

STANTEC CONSULTING SERVICES INC.



Kristen Gunderson-Inden
Senior Environmental Scientist



Michael B. Roznowski, CHMM
Senior Principal



May 4, 2023

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Reference: City of Franklin, WI – Franklin Aggregates Quarry Monitoring Summary Period: 1Q2023

Attachments A - Franklin Quarry Seismic Monitoring Description of Services
 B - Franklin Quarry Seismic Monitoring Project Background
 C - Summary of Seismic Data – 1st Quarter 2023
 Figure 1 - Seismic Monitoring, Blasting, and Complaint Locations, 1st Quarter 2023

ATTACHMENT A

FRANKLIN QUARRY SEISMIC MONITORING DESCRIPTION OF SERVICES

DESCRIPTION OF SERVICES

Direct Observation (Visual) Monitoring

During 2023, Stantec will conduct a total of eight (8) 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 the 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 of actual 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 the business day following the day we become aware of any such event.

Seismic Monitoring

Stantec provides remote vibration monitoring by using Nomis Seismographs. Sauls Seismic is subcontracted to operate 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 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.

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

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 2023, 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. There is a chance one of these monitors may be moved to an alternate location during 2022. The monitor 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 calendar year 2023.

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 meters, which provided independently monitored Franklin Aggregate blasting data for the entire calendar year. Four monitors are used by Vibra-Tech, three along South 51st Street, and one just south of West Drexel Avenue. This independently monitored data was compared to the Stantec-obtained data.

ATTACHMENT C

SUMMARY OF SEISMIC DATA – 1st QUARTER 2023

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)	AO (dB)	PPV (in/sec)	AO (dB)	Difference in PPV Values	Difference in AO dB Values	Complaints?	#	Primary direction of complaints (from quarry)	Wind Direction	Wind Speed (mph)	Wind Gusts (mph)	Pressure (in)	Humidity (%)	Conditions	Precipitation	Temp. (°F)	
1/18/2023	44944.4965	1	north	5800 ALLWOOD	3,891	N/D	N/D	N/D	N/D	--	--	No											
1/18/2023	44944.4965	1	north	7301 S 51st Street	734	0.165	109	0.193	104	-0.028	6												
1/18/2023	44944.4965	1	north	7526 S. 51st Street	1,280	0.06	107																
1/18/2023	44944.4965	1	north	SE of Quarry	2,269	0.023	107																
1/24/2023	44950.5729	2	north	5800 ALLWOOD	3,905	N/D	N/D	N/D	N/D	--	--	No											
1/24/2023	44950.5729	2	north	7301 S 51st Street	758	0.233	110	0.225	104	0.008	6												
1/24/2023	44950.5729	2	north	7526 S. 51st Street	1,333	N/D	N/D																
1/24/2023	44950.5729	2	north	SE of Quarry	2,311	N/D	N/D																
2/8/2023	44965.5382	3	south	5800 ALLWOOD	1,548	0.07	105	0.080	98	-0.010	8	Yes	2	south	S	8	none	29.45	51	mostly cloudy	none	42	
2/8/2023	44965.5382	3	south	7301 S 51st Street	2,943	N/D	N/D	N/D	N/D	--	--												
2/8/2023	44965.5382	3	south	7526 S. 51st Street	1,994	0.053	106																
2/8/2023	44965.5382	3	south	SE of Quarry	1,365	0.113	110																
2/20/2023	44977.5833	4	north	5800 ALLWOOD	3,939	N/D	N/D	N/D	N/D	--	--	No											
2/20/2023	44977.5833	4	north	7301 S 51st Street	771	0.168	110	0.140	106	0.028	5												
2/20/2023	44977.5833	4	north	7526 S. 51st Street	1,395	0.058	109																
2/20/2023	44977.5833	4	north	SE of Quarry	2,369	N/D	N/D																
3/8/2023	44993.5722	5	north	5800 ALLWOOD	3,983	N/D	N/D	N/D	N/D	--	--	No											
3/8/2023	44993.5722	5	north	7301 S 51st Street	818	0.175	107	0.145	104	0.030	4												
3/8/2023	44993.5722	5	north	7526 S. 51st Street	1,497	0.053	107																
3/8/2023	44993.5722	5	north	SE of Quarry	2,459	0.02	104																
3/21/2023	45006.4896	6	south	5800 ALLWOOD	2,042	N/D	N/D	N/D	N/D	--	--	No											
3/21/2023	45006.4896	6	south	7301 S 51st Street	2,446	N/D	N/D	N/D	N/D	--	--												
3/21/2023	45006.4896	6	south	7526 S. 51st Street	1,504	N/D	N/D																
3/21/2023	45006.4896	6	south	SE of Quarry	1,108	0.03	109																
3/21/2023	45006.4958	7	south	5800 ALLWOOD	1,402	0.058	109	0.055	104	0.003	6	No											
3/21/2023	45006.4958	7	south	7301 S 51st Street	3,090	N/D	N/D	N/D	N/D	--	--												
3/21/2023	45006.4958	7	south	7526 S. 51st Street	2,061	0.055	111																
3/21/2023	45006.4958	7	south	SE of Quarry	1,292	0.093	111																
3/22/2023	45007.5667	8	south	5800 ALLWOOD	2,100	0.035	118	N/D	N/D	--	--	No											
3/22/2023	45007.5667	8	south	7301 S 51st Street	2387	N/D	N/D	N/D	N/D	--	--												
3/22/2023	45007.5667	8	south	7526 S. 51st Street	1,465	0.075	115																
3/22/2023	45007.5667	8	south	SE of Quarry	1,123	0.118	114																
3/24/2023	45009.5278	9	north	5800 ALLWOOD	4,050	N/D	N/D	N/D	N/D	--	--	No											
3/24/2023	45009.5278	9	north	7301 S 51st Street	864	0.175	106	0.175	101	0.000	5												
3/24/2023	45009.5278	9	north	7526 S. 51st Street	1,609	0.058	103																
3/24/2023	45009.5278	9	north	SE of Quarry	2,567	0.03	105																
3/28/2023	45013.5861	10	north	5800 ALLWOOD	3,992	0.04	116	0.043	108	-0.003	8	No											
3/28/2023	45013.5861	10	north	7301 S 51st Street	1085	0.068	107	0.070	102	-0.002	5												
3/28/2023	45013.5861	10	north	7526 S. 51st Street	1,760	0.12	112																
3/28/2023	45013.5861	10	north	SE of Quarry	2,646	0.115	110																
Totals		10	blast events																			0	0

Notes: Shaded cells do not have a meter in that location

N/D = not detected, meter did not detect blast
 Stantec Document Classification: Stantec Internal

FIGURE 1

SEISMIC MONITORING, BLASTING, AND COMPLAINT LOCATIONS, 1st QUARTER 2023



Figure No.

1

Title

Seismic Monitoring, Blasting, and Complaint Locations - 4th Quarter 2022

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

193709433

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

Prepared by
 AJ on 2023-04-10
 TR by RA on 2023-04-10
 IR by KGI on 2023-05-04



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

Legend

Seismic Monitoring Location

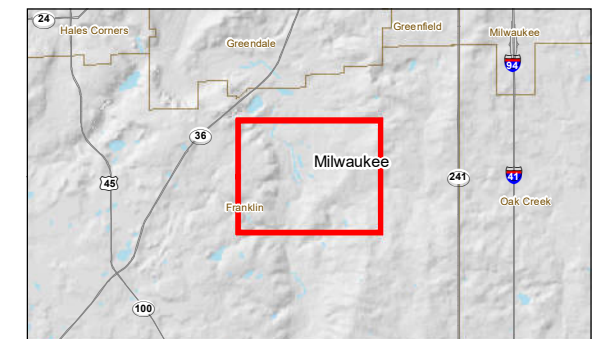
- (A) Vibra-Tech(VT1) and Stantec(S1)
- (B) Vibra-Tech(VT2)
- (C) Vibra-Tech(VT3)
- (D) Vibra-Tech(VT4) and Stantec(S2)

Blast Location

- Non-complaint Blast Location
- Blast #3

Blast Complaint

- ▲ Blast #3



- Notes
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
 2. Data Sources: Stantec, SCO, WDNR, WisDOT
 3. Orthophotography: 2020 Milwaukee Co. WROC



Franklin Aggregates
Recorded Ground Vibration and Airblast Levels for PDDs #23 & 24
January 2023

Time	Activity	Location	Distance	PPV	Freq	AO
1/24/2023 13:50	2	5800 ALLWOOD	3,905	N/T	N/T	N/A
1/24/2023 13:50	2	7526 S. 51st Street	1,333	N/T	N/T	N/A
1/24/2023 13:50	2	SE of Quarry	2,311	N/T	N/T	N/A
1/24/2023 13:50	2	7301 S 51st Street	758	0.233	27.8	110
1/18/2023 11:55	1	5800 ALLWOOD	3,891	N/T	N/T	N/A
1/18/2023 11:55	1	7526 S. 51st Street	1,280	0.06	11.6	107
1/18/2023 11:55	1	SE of Quarry	2,269	0.023	11.4	107
1/18/2023 11:55	1	7301 S 51st Street	734	0.165	6.9	109

PDD Vibration Limit - Per the PDD #23 and #24 Ordinances, ground vibration resulting from P&D blasting shall not exceed 0.30 inches per second on at least 85% of its blasts within any single calendar year. The Operator shall not exceed the ground vibration limitation imposed by the Wisconsin Department of Industry, Labor and Human Relations in Figure 7.64 of ch. ILHR 7, Wis. Adm. Code (new reference now Wis. Adm. Code, Safety and Professional Services Chapter 307), or 0.65 inches per second, whichever is more restrictive, on any blast.

PDD Airblast Limit - 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. The Operator shall not exceed the airblast limitation imposed by the 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).

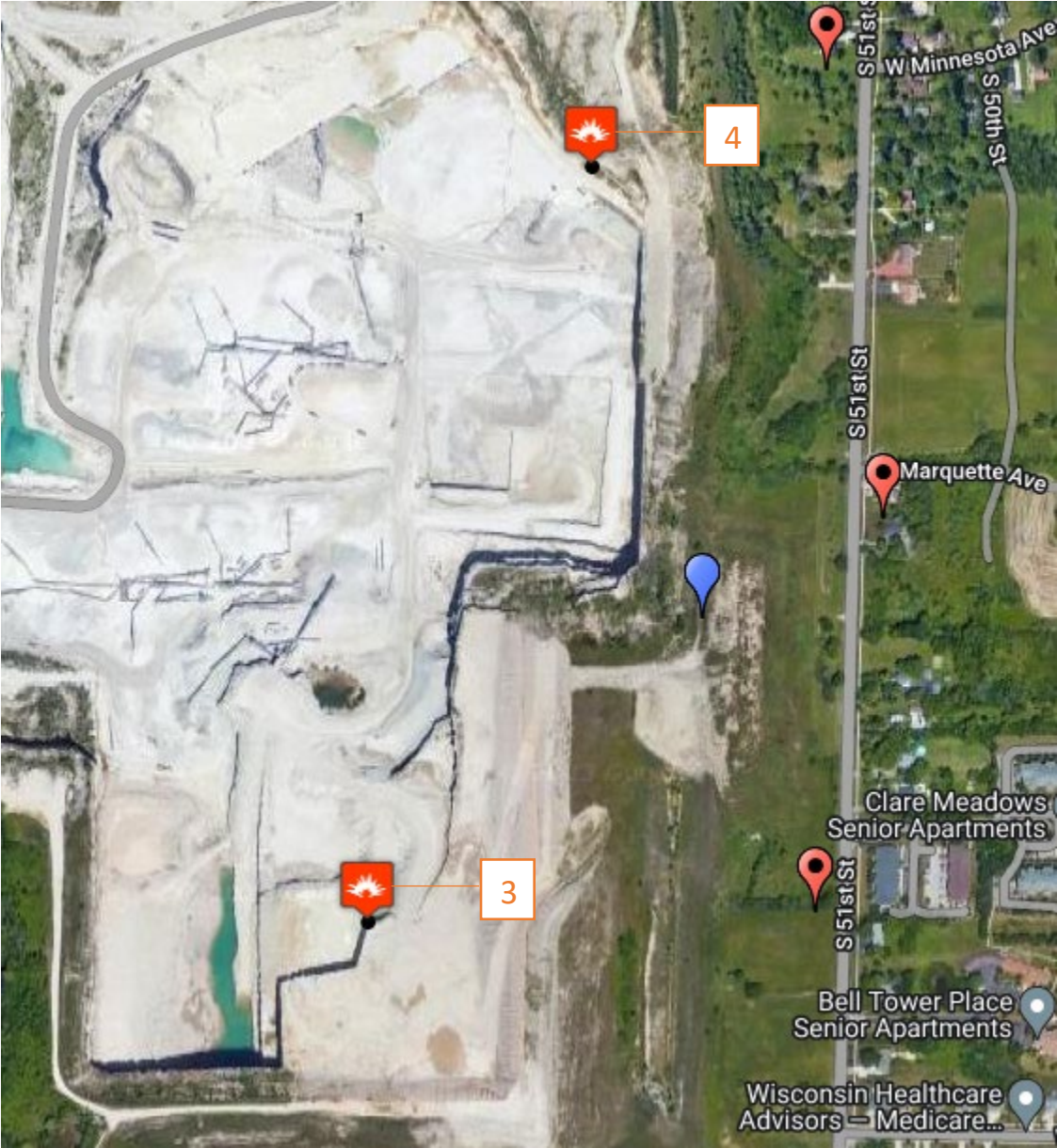
Franklin Aggregates
Recorded Ground Vibration and Airblast Levels for PDDs #23 & 24
February 2023

Time	Activity	Location	Distance	PPV	Freq	AO
2/20/2023 13:56	4	5800 ALLWOOD	3,939	N/T	N/T	N/A
2/20/2023 13:56	4	7526 S. 51st Street	1,395	0.058	13.9	109
2/20/2023 13:56	4	SE of Quarry	2,369	N/T	N/T	N/A
2/20/2023 13:56	4	7301 S 51st Street	771	0.168	15.6	110
2/8/2023 12:55	3	5800 ALLWOOD	1,548	0.07	8.1	105
2/8/2023 12:55	3	7526 S. 51st Street	1,994	0.053	18.5	106
2/8/2023 12:55	3	SE of Quarry	1,365	0.113	17.9	110
2/8/2023 12:55	3	7301 S 51st Street	2,943	N/T	N/T	N/A

PDD Vibration Limit - Per the PDD #23 and #24 Ordinances, ground vibration resulting from P&D blasting shall not exceed 0.30 inches per second on at least 85% of its blasts within any single calendar year. The Operator shall not exceed the ground vibration limitation imposed by the Wisconsin Department of Industry, Labor and Human Relations in Figure 7.64 of ch. ILHR 7, Wis. Adm. Code (new reference now Wis. Adm. Code, Safety and Professional Services Chapter 307), or 0.65 inches per second, whichever is more restrictive, on any blast.

PDD Airblast Limit - 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. The Operator shall not exceed the airblast limitation imposed by the 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).

February



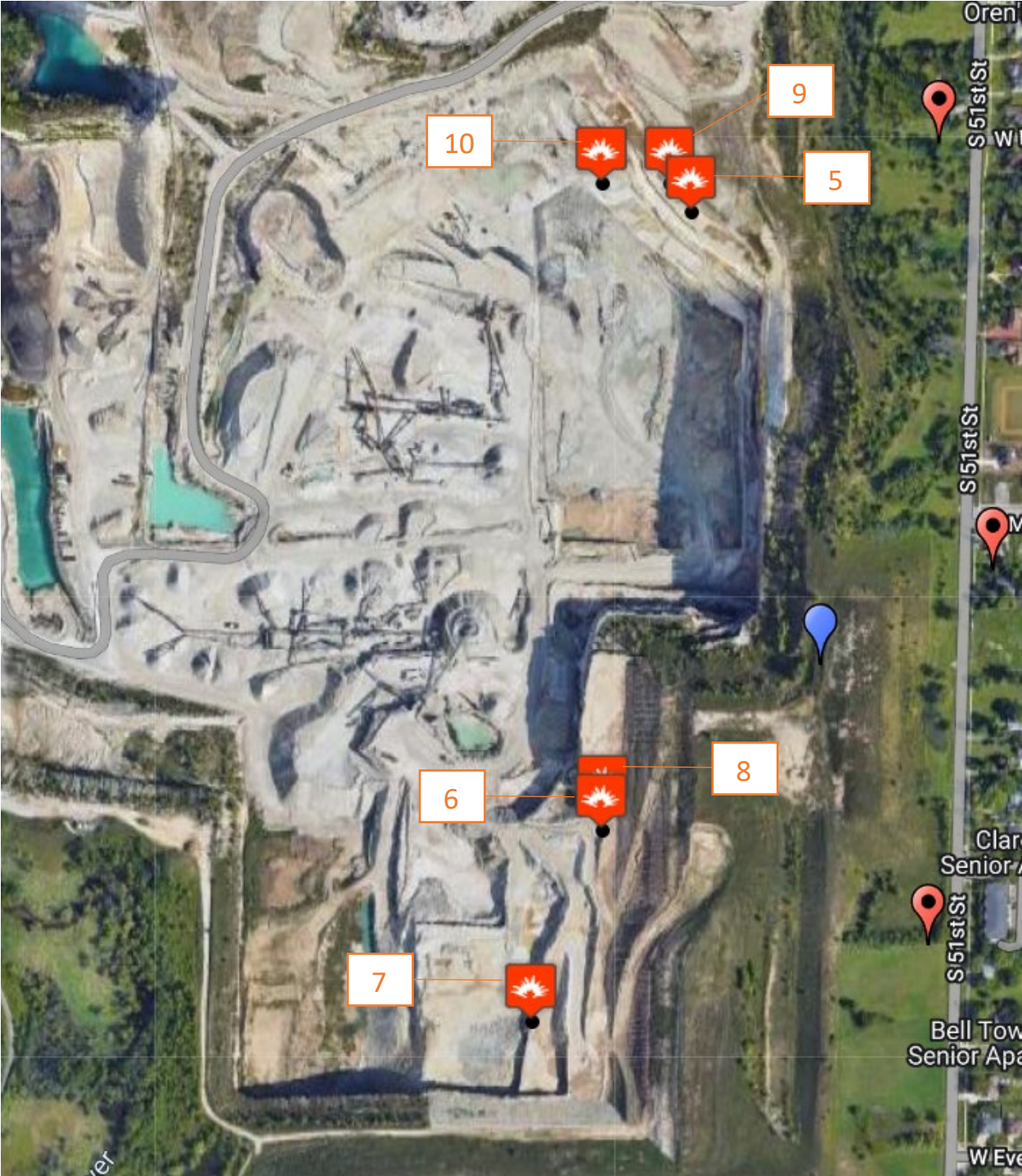
Franklin Aggregates
Recorded Ground Vibration and Airblast Levels for PDDs #23 & 24
March 2023

Time	Activity	Location	Distance	PPV	Freq	AO
3/28/2023 14:04	10	5800 ALLWOOD	3,992	0.04	31.3	116
3/28/2023 14:04	10	7526 S. 51st Street	1,760	0.12	15.2	112
3/28/2023 14:04	10	SE of Quarry	2,646	0.115	17.9	110
3/28/2023 14:04	10	7301 S 51st Street	1,085	0.068	11.1	107
3/24/2023 12:40	9	5800 ALLWOOD	4,050	N/T	N/T	N/A
3/24/2023 12:40	9	7526 S. 51st Street	1,609	0.058	11.6	103
3/24/2023 12:40	9	SE of Quarry	2,567	0.03	11.6	105
3/24/2023 12:40	9	7301 S 51st Street	864	0.175	13.9	106
3/22/2023 13:36	8	5800 ALLWOOD	2,100	0.035	29.4	118
3/22/2023 13:36	8	7526 S. 51st Street	1,465	0.075	19.2	115
3/22/2023 13:36	8	SE of Quarry	1,123	0.118	26.3	114
3/22/2023 13:36	8	7301 S 51st Street	2,387	N/T	N/T	N/A
3/21/2023 11:54	7	5800 ALLWOOD	1,402	0.058	27.8	109
3/21/2023 11:54	7	7526 S. 51st Street	2,061	0.055	19.2	111
3/21/2023 11:54	7	SE of Quarry	1,292	0.093	19.2	111
3/21/2023 11:54	7	7301 S 51st Street	3,090	N/T	N/T	N/A
3/21/2023 11:45	6	5800 ALLWOOD	2,042	N/T	N/T	N/A
3/21/2023 11:45	6	7526 S. 51st Street	1,504	N/T	N/T	N/A
3/21/2023 11:45	6	SE of Quarry	1,108	0.03	21.7	109
3/21/2023 11:45	6	7301 S 51st Street	2,446	N/T	N/T	N/A
3/8/2023 13:44	5	5800 ALLWOOD	3,983	N/T	N/T	N/A
3/8/2023 13:44	5	7526 S. 51st Street	1,497	0.053	11.9	107
3/8/2023 13:44	5	SE of Quarry	2,459	0.02	14.3	104
3/8/2023 13:44	5	7301 S 51st Street	818	0.175	38.5	107

PDD Vibration Limit - Per the PDD #23 and #24 Ordinances, ground vibration resulting from P&D blasting shall not exceed 0.30 inches per second on at least 85% of its blasts within any single calendar year. The Operator shall not exceed the ground vibration limitation imposed by the Wisconsin Department of Industry, Labor and Human Relations in Figure 7.64 of ch. ILHR 7, Wis. Adm. Code (new reference now Wis. Adm. Code, Safety and Professional Services Chapter 307), or 0.65 inches per second, whichever is more restrictive, on any blast.

PDD Airblast Limit - 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. The Operator shall not exceed the airblast limitation imposed by the 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).

March



Franklin Aggregates
Recorded Ground Vibration and Airblast Levels for PDDs #23 & 24
April 2023

Time	Activity	Location	Distance	PPV	Freq	AO
4/25/2023 11:20	15	5800 ALLWOOD	2,439	N/T	N/T	N/A
4/25/2023 11:20	15	7526 S. 51st Street	1,254	0.143	9.4	107
4/25/2023 11:20	15	SE of Quarry	1,240	0.105	13.9	107
4/25/2023 11:20	15	7301 S 51st Street	2,052	0.05	11.1	107
4/14/2023 13:16	14	5800 ALLWOOD	2,344	0.03	13.5	110
4/14/2023 13:16	14	7526 S. 51st Street	1,332	0.19	15.2	106
4/14/2023 13:16	14	SE of Quarry	1,234	0.13	13.9	106
4/14/2023 13:16	14	7301 S 51st Street	2,149	0.08	11.9	103
4/10/2023 12:36	13	5800 ALLWOOD	2,273	0.033	12.2	106
4/10/2023 12:36	13	7526 S. 51st Street	1,358	0.178	13.9	111
4/10/2023 12:36	13	SE of Quarry	1,184	0.168	17.9	112
4/10/2023 12:36	13	7301 S 51st Street	2,216	0.053	10.4	108
4/7/2023 13:21	12	5800 ALLWOOD	4,226	N/T	N/T	N/A
4/7/2023 13:21	12	7526 S. 51st Street	1,912	0.053	17.2	99
4/7/2023 13:21	12	SE of Quarry	2,851	N/T	N/T	N/A
4/7/2023 13:21	12	7301 S 51st Street	1,053	0.143	16.1	108
4/3/2023 12:51	11	5800 ALLWOOD	1,303	0.053	31.3	105
4/3/2023 12:51	11	7526 S. 51st Street	2,226	0.065	18.5	109
4/3/2023 12:51	11	SE of Quarry	1,511	0.083	25	111
4/3/2023 12:51	11	7301 S 51st Street	3,190	N/T	N/T	N/A

PDD Vibration Limit - Per the PDD #23 and #24 Ordinances, ground vibration resulting from P&D blasting shall not exceed 0.30 inches per second on at least 85% of its blasts within any single calendar year. The Operator shall not exceed the ground vibration limitation imposed by the Wisconsin Department of Industry, Labor and Human Relations in Figure 7.64 of ch. ILHR 7, Wis. Adm. Code (new reference now Wis. Adm. Code, Safety and Professional Services Chapter 307), or 0.65 inches per second, whichever is more restrictive, on any blast.

PDD Airblast Limit - 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. The Operator shall not exceed the airblast limitation imposed by the 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).

April





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Search:

Date	Time	Shot #	Seismo Loc	PPV	AO
5/15/2023	11:00 am	17	Franklin Quarry (5800 ALLWOOD)	N/T	N/T
5/15/2023	11:00 am	17	Franklin Quarry (SE of Quarry)	0.025	104
5/15/2023	11:00 am	17	Franklin Quarry (7526 S. 51st Street)	0.063	107
5/15/2023	11:00 am	17	Franklin Quarry (7301 S 51st Street)	0.073	103
5/11/2023	11:00 am	16	Franklin Quarry (5800 ALLWOOD)	N/T	N/T
5/11/2023	11:00 am	16	Franklin Quarry (SE of Quarry)	N/T	N/T
5/11/2023	10:54 am	16	Franklin Quarry (7301 S 51st Street)	0.045	116
5/11/2023	10:54 am	16	Franklin Quarry (7526 S. 51st Street)	0.035	111
4/25/2023	11:20 am	15	Franklin Quarry (5800 ALLWOOD)	N/T	N/T
4/25/2023	11:20 am	15	Franklin Quarry (SE of Quarry)	0.105	107

Showing 1 to 10 of 268 entries

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Franklin Quarry

ATTACHMENT A - QUARRY MONITORING SERVICES

SCOPE OF WORK AND ASSOCIATED COST

The following scope of work items, each with their own associated professional fee, is offered to the City by Stantec for calendar year 2023.

DESCRIPTION	EVENT PERIOD	COST PER EVENT	# OF EVENTS	SUBTOTAL	NOTES REGARDING SCOPE OF SERVICES
Operations Monitoring	daily	\$800	8	\$6,400	Visual assessments around quarry perimeter, concentrating on Rawson Avenue adjacent to the quarry entrances. Will include weather data as part of observation summary, along with photos and short duration videos during periods of high winds. A percentage of the visits will also include on-site observations and records review.
Blast Monitoring	monthly	\$1,900	12	\$22,800	Stantec will provide remote vibration monitoring by using Nomis Seismographs. We plan to subcontract Sauls Seismic to assist with this scope of work. Two separate seismographs will be installed, each co-located with two existing Payne & Dolan (Vibra-Tech) monitors located at: 7301 S. 51 st Street and 5800 W. Allwood Drive. Each monitor will be provided with an enclosure and will either be pole mounted or located in a short-stack weatherproof enclosure. Power will be provided via an internal battery and an external battery connected to a solar panel. All maintenance/repair and annual calibration of seismographs are included. This type of configuration will provide continuous (24/7) remote monitoring, allowing Stantec to have access to data anytime via the Internet. No written reports or summaries will be provided monthly.
Exceptional Blast Complaint Evaluation	Per City request	\$1,000	1	\$1,000	For unusual blast events (e.g., resulting in multiple complaints), at the City's request, Stantec will prepare a brief summary report describing: seismic data from both Stantec/Payne & Dolan placed monitors; wind direction and speed the day of the complaint, a figure showing blast and complaint locations. (Note: if no exceptional blast complaints occur, this portion of the budget may be used for another purpose as requested by the City.)
Quarterly Reports and Presentation	Quarterly (May, August, November 2023, and February 2024)	\$3,700	4	\$14,800	Stantec will prepare a quarterly report (to be distributed/presented as part of the regularly scheduled Quarry Monitoring Committee meetings) describing: <ul style="list-style-type: none"> • Operations monitoring completed in prior quarter • Blast monitoring completed in prior quarter (summary of blasting data, comparing the Payne & Dolan unit recordings, to the Stantec unit recordings) • Citizen complaints received by the City of Franklin in prior quarter <ul style="list-style-type: none"> ○ For off-site dust complaints <ul style="list-style-type: none"> ▪ weather conditions (wind direction and speed) the day of the complaint ○ For off-site seismic complaints <ul style="list-style-type: none"> ▪ seismic data from both Stantec and Payne & Dolan placed monitors ▪ weather conditions (wind direction and speed; temp.; humidity; precipitation) the day of the complaint ▪ a figure showing locations of blasts along with location of complaints ▪ a short summary of the nature of any complaints The February 2024 quarterly report and presentation will also present highlights of the operations, blast monitoring, and complaint evaluations, completed during calendar year 2023. This annual report is not meant to repeat what has already been provided in the prior quarterly reports; rather, it is intended to be a brief summary.
TOTAL (compared to budget: \$45,000)				\$45,000	

Note: The number of Exceptional Blast Complaint Evaluations is estimated, since the exact number cannot be determined at this time. In addition, based on prior years Stantec is estimating approximately 25 different blasts will result in complaints needing to be evaluated as part of the quarterly reports and presentations. Stantec agrees to be flexible with the City regarding this scope of work as the year progresses as the actual number of events are determined, and agrees not to exceed the approved budget without prior approval.



An Equal Opportunity Employer

N3 W23650 Badinger Road | Waukesha, WI 53188
262.524.1700 | walbecgroup.com

January 20th, 2023

Mr. Régulo Martinez-Montilva
Planning Manager
City of Franklin Planning Department
9229 W. Loomis Road
Franklin, WI 53132

Dear Mr. Martinez-Montilva,


Enclosed are the 2022 annual reports and associated fees in the amount of \$2,850 for Payne & Dolan's nonmetallic mineral extraction sites located in the City of Franklin that have a received reclamation permit pursuant to Chapter NR135.18 Wisconsin Administrative Code and the City of Franklin Nonmetallic Mining Ordinance. These Sites Include.

Site Name	Reclamation Permit #	Location	Unreclaimed Acres	Current Fee Amount
Franklin – West (80370)	NONE	City of Franklin	92	\$1,425
Franklin – East (80370)	NONE	City of Franklin	150.7	\$1,425
			Total	\$2,850

If you have any questions and/or need additional information please do not hesitate to contact me at (262) 366 - 5124, bbucholtz@walbecgroup.com.

Sincerely,

Payne & Dolan, Inc.


Bryanna Bucholtz
Land Information Administrator

Franklin
FEB 01 2023
City Development

Nonmetallic Mining Permit Number: NONE

Site Name: Franklin (East) - 80370

Report Date: 1-9-2023

Parcel ID No: 757-9969-000, 757-9970-000, 757-9971-000, 757-9972-000, 758-9922-000, 758-9987-001, 758-9987-002, 758-9987-003, 758-9990-000, 758-9991-000, 758-9993-000, 758-9994-000, 758-9995-002, 758-9997-000, 758-9998-000, 758-9999-000

Site Address: 6211 Rawson Avenue, Franklin, WI 53132

Township: City of Franklin

Legal Description: Parts of Section 10, 11, 14, and 15 of Town 5 North, Range 21 East

Applicant / Operator

Payne & Dolan, Inc.

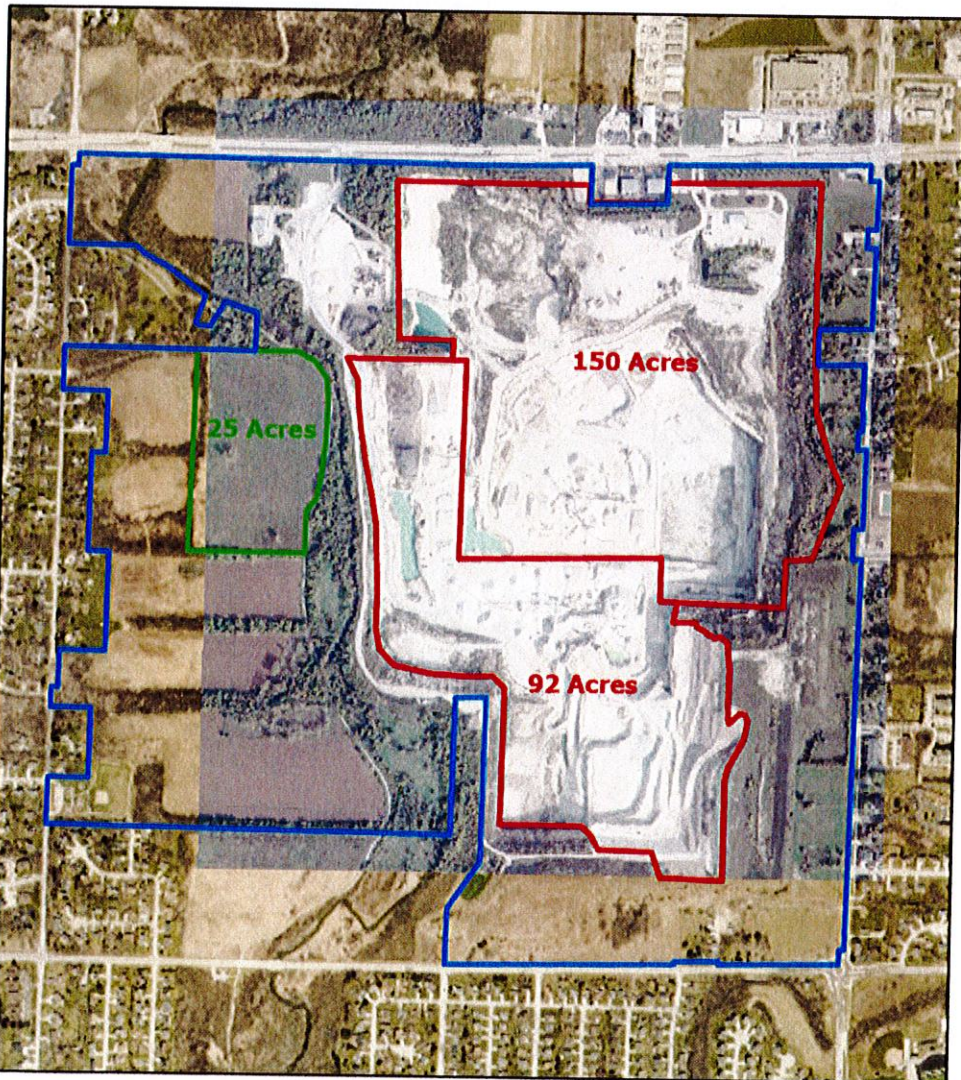
N3 W23650 Badinger Road

Waukesha, WI 53187

(262) 524-1700

bbucholtz@walbecgroup.com

SAME



Acreage of Completed Reclamation: 0

Active, Unreclaimed Acreage: 150.7

- Property Boundary
- Active
- Reclaimed

Nonmetallic Mine Site Certification:

"I hereby certify that this information is true and accurate and that the nonmetallic mining site described herein complies with all conditions of the applicable nonmetallic mining reclamation permit and chapter NR - 135, Wisconsin Administration Code."

Signature *Bryanna P...*
Date 1-9-2023

Nonmetallic Mining Permit Number: NONE

Site Name: Franklin (West) - 80370

Report Date: 1-4-2022

Parcel ID No: 757-9969-000, 757-9970-000, 757-9971-000, 757-9972-000, 758-9922-000, 758-9987-001, 758-9987-002, 758-9987-003, 758-9990-000, 758-9991-000, 758-9993-000, 758-9994-000, 758-9995-002, 758-9997-000, 758-9998-000, 758-9999-000

Site Address: 6211 Rawson Avenue, Franklin, WI

Township: City of Franklin

Legal Description: Part of the E 1/2, NE 1/4 and the NE 1/4, SE 1/4 Section 10, lying east of the Root River and the SW 1/4 of Section 11, Town 5 North, Range 21 East

Applicant / Operator

Payne & Dolan, Inc.

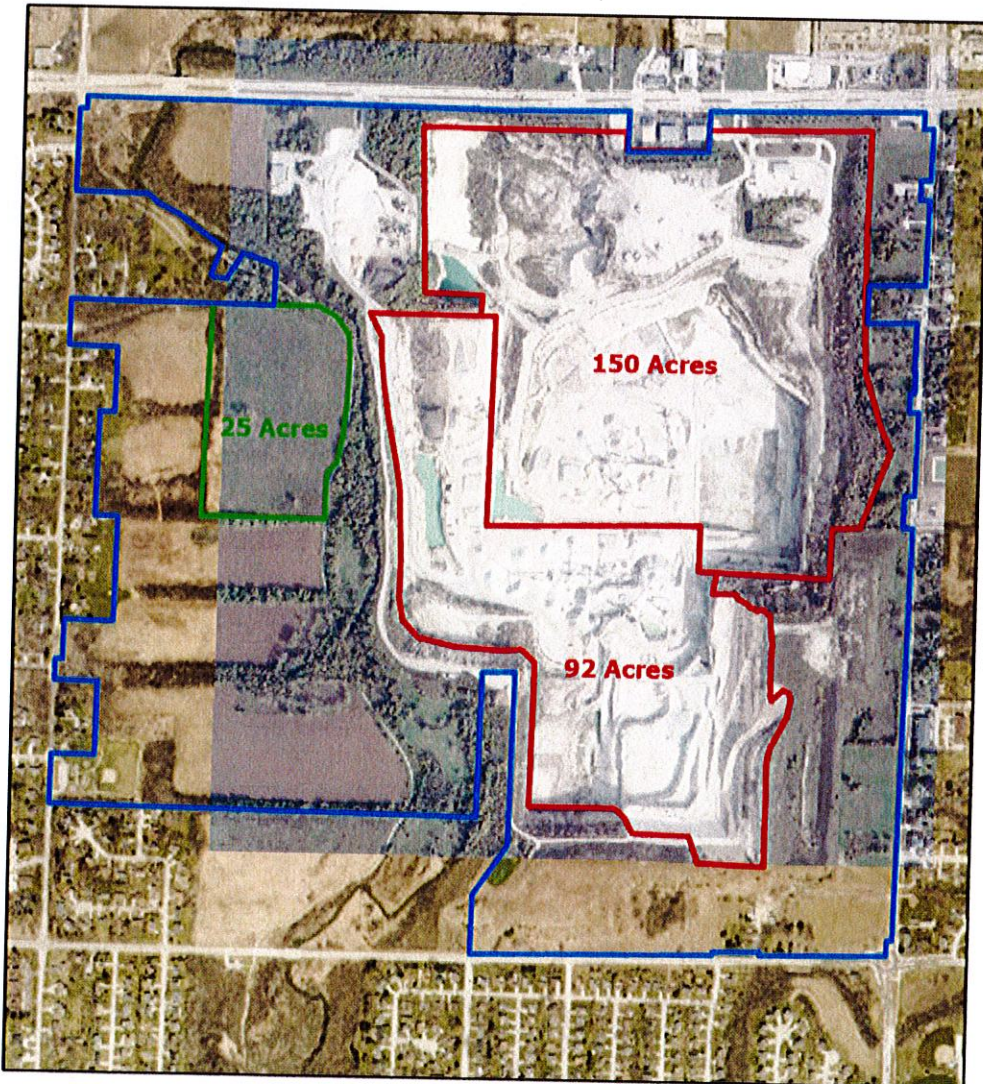
N3 W23650 Badinger Road

Waukesha, WI 53187

(262) 524-1700

bbucholtz@walbecgroup.com

SAME



Acres of Completed Reclamation: 25

Active, Unreclaimed Acres: 92

- Property Boundary
- Active
- Reclaimed

Nonmetallic Mine Site Certification:

"I hereby certify that this information is true and accurate and that the nonmetallic mining site described herein complies with all conditions of the applicable nonmetallic mining reclamation permit and chapter NR - 135, Wisconsin Administration Code."

Signature *Brynn Bucholtz*
Date 1-4-2022