



AGENDA
QUARRY COMMISSION REGULAR MEETING
MONDAY, MARCH 14, 2022, 6:00 P.M.

The Garden Ridge Quarry Commission will meet in a regular session on Monday, March 14, 2022, at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. This is an open meeting, open to the public, subject to the Open Meetings Law of the State of Texas, and as required by law, notice is hereby posted providing time, place, date, and agenda thereof. The meeting facility is wheelchair accessible and accessible parking spaces are provided. Requests for accommodations or interpretative services must be made to the City Secretary 48 hours prior to this meeting.

1. Call to Order

2. Roll Call

3. Pledge of Allegiance

4. Citizen Comment Period – limited to 30 minutes total

Rules for Citizens' Participation: The Commission welcomes citizen participation and comments at all Commission Meetings. The Commission offers citizens the opportunity to address them by signing up to speak prior to the meeting. If you speak, you must follow these guidelines:

a) Respect and courtesy:

1. Direct your comments to the entire Commission, not to an individual member, nor to the audience.
2. Show the Commission the same respect that you would like to be shown.
3. End your speaking at the time allotted below.

b) Speaking:

1. First citizen comment period.
 - i. You are required to sign up to speak and you are limited to one 3-minute period.
2. Second citizen comment period.
 - i. You are not required to sign up and you are limited to one 2-minute period.
3. State your name and address before your comments begin.
4. You are only allowed to speak once per topic, unless also speaking during a posted Public Hearing.

NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject must be limited to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the Commission is limited to either a statement of specific factual information or a recitation of existing policy. TEX. GOV'T CODE § 551.042.

5. Business Items

The following items are for discussion, consideration, and action.

a) Approvals

1. Approval of Minutes for January 10, 2022, Quarry Commission Regular Meeting.

b) Discussions/Reports/Updates

1. Monthly Hanson Quarry blasting analysis data reported by Vibratex and recent quarry operations, including any unusual blasts that occurred during reported month/s and/or current month.
2. Review individual citizen blast reports received during reported month/s.
3. Location, placement, and number of monitors and other matters related to monitoring of blasts, including placement of roving monitor.
4. Items applicable to the Quarry Commission discussed at the February and March City Council Meetings.

- c) Education/Training
 - 1. Review “Quarry Terminology”.
 - 2. Discuss future education/training sessions and Grapevine articles.
 - d) Future Agenda Items
 - 1. Commissioners input on agenda items.
 - 2. Announce the date, time, and location for next meeting (May 9, 2022, at 6pm in City Hall).
6. **Citizen Comment Period – limited to 20 minutes total**
See “Rules for Citizen’s Participation” under Item 4.
7. **Adjournment**

AGENDA NOTICES:

Decorum Required: Any disruptive behavior, including shouting or derogatory statements or comments may be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.

Action by Commission Authorized: The Commission may vote or act upon any item within this agenda.

Attendance by Other Elected or Appointed Officials: It is anticipated that members of the City Council, other city boards, commissions, and/or committees may attend the meeting in numbers that may constitute a quorum of the City Council, other city boards, commissions, and/or committees. Notice is hereby given that the meeting, to the extent required by law, is also noticed as a meeting of the City Council, other boards, commissions and/or committees of the City, whose members may be in attendance. The members of the boards, commissions, and/or committees may participate in discussions on the same items listed on the agenda, which occur at the meeting, but no action will be taken by such in attendance unless such item and action is specifically provided for on an agenda for that board, commission or committee subject to the Texas Open Meetings Act.

This is to certify that I, Kat Balbi, posted this Agenda at 1:00 p.m. on March 4, 2022, on the bulletin board located at the entrance to the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas.



Kat Balbi
Assistant City Secretary



MINUTES
QUARRY COMMISSION REGULAR MEETING
MONDAY, JANUARY 10, 2022, 6:00 P.M.

Commissioners Present:

Chair Jerry Barucky
Vice-Chair Armando Diaz
Commissioner Mike Shands
Commissioner David Biersner
Commissioner Wayne Mudge
Commissioner Johnell Holly

Commissioners Absent:

Vacant Position
Councilmember John McCaw, Ex-officio

City Staff, City Councilmembers, or Other Commissioners Present:

Robb Erickson, Mayor
Nancy Cain, City Administrator
Cynthia Trevino, City Attorney
Marisa Spencer, City Secretary
Kat Balbi, Assistant City Secretary

1. Call to Order

With a quorum of the Quarry Commissioners present, Chair Barucky called the regular meeting of the Garden Ridge Quarry Commission to order at 6:00 p.m. on Monday, January 10, 2022, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas, 78266.

2. Roll Call: See above.

3. Pledge of Allegiance: Chair Barucky led the Pledge of Allegiance.

4. Citizen Comment Period: No one signed up to speak.

5. Business Items

The following items are for discussion, consideration and/or action.

a) Approvals

1. Approval of Minutes for November 8, 2021, Quarry Commission Regular Meeting.

Motion: A motion was made by Commissioner Mudge, seconded by Commissioner Biersner, to approve the November 8, 2021, Quarry Commission Regular Meeting Minutes. The Commission voted five (5) for and none (0) opposed. The motion carried unanimously.

b) Discussions/Reports/Updates

1. Review and discussion on the monthly Hanson Quarry blasting analysis data reported by Vibra-Tech. Discussion with Hanson Servtex and blasting contractors on recent quarry operations, including any unusual blasts that occurred during reported month/s and/or current month.

David Larner, Vibra-Tech, presented and discussed the November blast analysis. He stated that 8 shots occurred during the month of November and none of the blasts exceeded the limits of Ordinance No. 34. He reported the highest PPV reading of 0.235 occurred on November 12th at the Warden Residence and the highest Air Overpressure of 116 dB occurred on November 15th at the Warden Residence.

David Larner, Vibra-Tech, presented and discussed the December blast analysis. He stated that 8 shots occurred during the month of December and none of the blasts exceeded the limits of Ordinance No. 34. He reported the highest PPV reading of 0.265 occurred on December 16th at the Warden Residence and the highest Air Overpressure of 117 dB occurred on December 16th at the Warden Residence.

2. **Review individual citizen blast report/s, follow up on citizen blast report/s and/or assign Quarry Commissioner contact with citizen/s, as necessary.**

David Larner, Vibra-Tech, spoke regarding the citizen blast reports received in November through December and answered questions from the Commission.

3. **Discussion on number of, placement, and location of monitors and other matters related to monitoring of blasts by Vibra-Tech and notification to residents of monitor placements.**

The Commission discussed leaving the roving monitor at the Scholze Residence.

4. **Items applicable to the Quarry Commission discussed at the December and January City Council Regular Meetings.**

Nancy Cain, City Administrator, provided the Commission with an update on the items discussed at the December and January City Council Regular Meetings.

c) Education/Training

1. **Review “Quarry Terminology”.**

Nick Rettinger, Vibra-Tech, spoke regarding presenting a glossary of terminology for the Commission at an upcoming meeting.

2. **Discuss future education/training sessions and Grapevine articles.**

The Commission had none at this time.

d) Future Agenda Items

1. **Commissioners input for items on upcoming agendas.**

The Commission had none at this time.

2. **Announcement of next Quarry Commission Regular Meeting.**

Chair Barucky announced the next Quarry Commission Regular Meeting will be held on Monday, March 14, 2022, at 6:00 p.m. at City Hall.

6. **Citizen Comment Period:** No one wished to speak.

7. **Executive Session**

The Quarry Commission will recess its open meeting and reconvene in Executive Session:

1. **Pursuant to Texas Government Code Section 551.071 – for consultation with the City Attorney to receive legal advice regarding a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with Chapter 551 of the Government Code, to include the following matters: To discuss dissolution of Quarry Commission and impact on Ordinance 34 and related matters.**

Chair Barucky announced the Quarry Commission will recess at 6:22 p.m. and reconvene into Executive Session at 6:30 p.m., to discuss and seek legal advice on the items stated above.

Chair Barucky adjourned the Executive Session and reconvened back into Regular Session at 7:31 p.m.

8. **Business Items**

The Quarry Commission will reconvene into Regular Session upon conclusion of the Executive Session and may recall any item posted for Executive Session for action, as necessary.

No action taken.

9. **Adjournment**

Motion: A motion was made by Commissioner Holly, seconded by Commissioner Biersner, to adjourn. The Commission voted five (5) for and none (0) opposed. The motion carried unanimously. There being no further business, the Monday, January 10, 2022, Quarry Commission Regular Meeting was adjourned at 7:31 p.m. by Chair Barucky.

ATTEST:

Jerry Barucky
Chair

Kat Balbi
Assistant City Secretary



Vibra-Tech

VibraTechinc.com

4818 E. Ben White Blvd.
Suite 202
Austin, TX 78741

Phone 512.442.6464
Fax 512.442.6552

February 2, 2022

Mr. Johnell Holly
Garden Ridge Quarry Commission
9400 Municipal Parkway
Garden Ridge, Texas 78266

Dear Mr. Holly,

Enclosed is the analysis for the blasting conducted during the month of January 2022 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2022 Blast Data Management Book.

At the request of the Garden Ridge Quarry Commission, Vibra-Tech, Inc. personnel conducted seismic monitoring at various locations for all blasting activities.

The attached report contains the original seismograph records obtained from the blasting along with a comparison of the recorded vibrations to the latest recommended U.S. Bureau of Mines (USBM) Variable Particle Velocity vs. Frequency Limits Report of Investigations (RI)-8507 (Nov. 1980).

The recorded ground vibrations **satisfy** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

The recorded air-borne effects **satisfy** the recommended levels set forth in the USBM RI-8485 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

If there are any additional questions, please contact the Quarry Commission, Johnell Holly at (210) 651-7358, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.

Respectfully submitted,

VIBRA-TECH, INC.

Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex



3009

01/04/2022 Pond 4 N.W. A

01/19/2022 Pond 4 LVL 1 N.W. B

01/05/2022 Aggie Pit W. C

01/14/2022 Aggie Pit W. A

01/25/2022 Aggie Pit E. A

Michels

Schoenthal Rd

Garden Ridge Elementary

Warden Property Line
City Property Line

Warden

Holly

01/07/2022 Base Pit E. R

The Club at Garden Ridge

Garden Ridge

01/27/2022 South Wall B

Bal Cave Rd

Scholze

Bracken United Methodist Church &

Meridia

2252

3009

Biersner

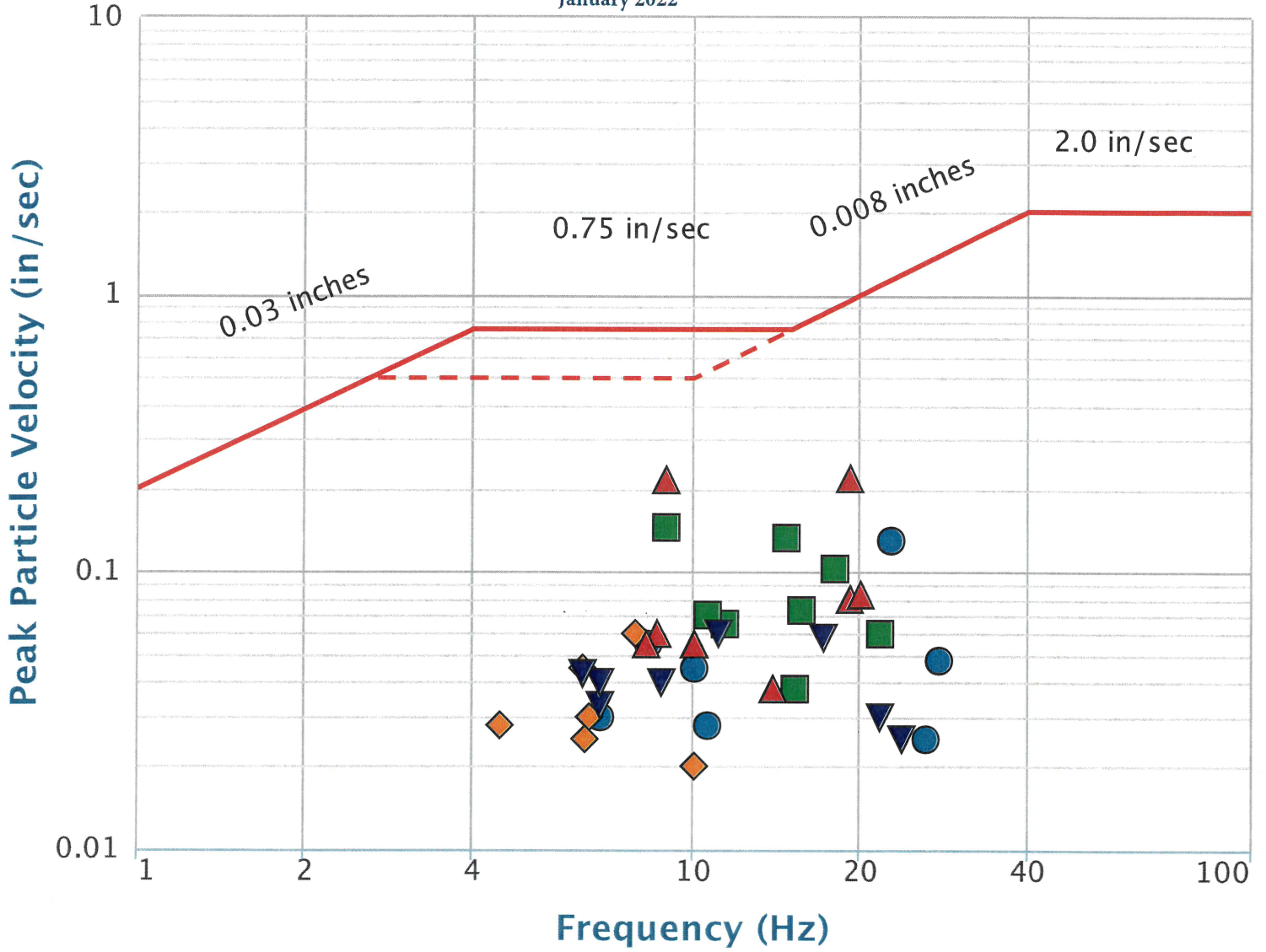
Nacogdoches Rd

Google Earth

4000 ft

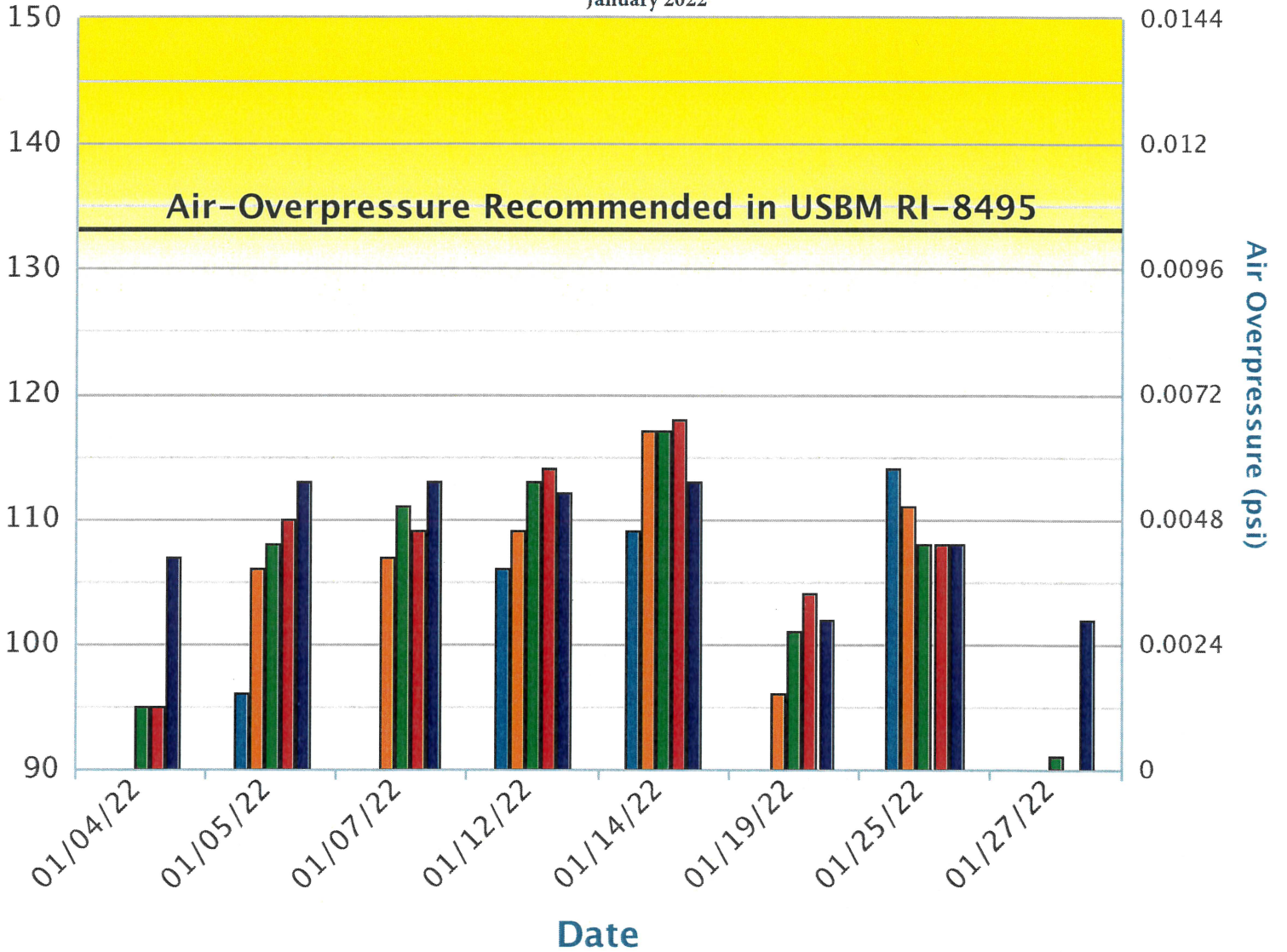


Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
January 2022



- Michels Residence
- ◆ City Property Line
- Warden Residence
- ▲ Warden Prop Line
- ▼ Holly Residence

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 January 2022



- Michels Residence
- City Property Line
- Warden Residence
- Warden Prop Line
- Holly Residence

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JANUARY 2022**

| DATE | SHOT # LOCATION | SHOT LOCATION GPS READING | WEATHER | TIME | PPV (in/sec) | FREQ (Hz) | AIR (dB) | SHOT DURATION (MS) | MAX LBS/ DELAY | DISTANCE FROM BLAST | SEISMOGRAPH LOCATION |
|----------|---------------------------|---------------------------------------|-------------------------------|-------|--------------|-----------|----------|--------------------|----------------|---------------------|----------------------|
| 01/04/22 | 01/04/2022 Pond 4 N.W. A | N 29° 39' 1.12" W 098° 17' 27.19" | SUNNY 61° SW 22 | 13:20 | NT | NT | NT | 1374 | 301.00 | 4,612 | City Property Line |
| 01/04/22 | 01/04/2022 Pond 4 N.W. A | N 29° 39' 1.12" W 098° 17' 27.19" | SUNNY 61° SW 22 | 13:20 | 0.028 | 10.6 | 88 | 1374 | 301.00 | 4,864 | Michels Residence |
| 01/04/22 | 01/04/2022 Pond 4 N.W. A | N 29° 39' 1.12" W 098° 17' 27.19" | SUNNY 61° SW 22 | 13:20 | NT | NT | NT | 1374 | 301.00 | 7,996 | Scholze Residence |
| 01/04/22 | 01/04/2022 Pond 4 N.W. A | N 29° 39' 1.12" W 098° 17' 27.19" | SUNNY 61° SW 22 | 13:20 | 0.055 | 10 | 95 | 1374 | 301.00 | 3,720 | Warden Prop Line |
| 01/04/22 | 01/04/2022 Pond 4 N.W. A | N 29° 39' 1.12" W 098° 17' 27.19" | SUNNY 61° SW 22 | 13:20 | 0.065 | 11.4 | 95 | 1374 | 301.00 | 4,022 | Warden Residence |
| 01/05/22 | 01/05/2022 Aggie Pit W. C | N 29° 38' 51.10" W 098° 17' 44.77" | SUNNY 74° W 5 | 13:05 | 0.025 | 6.4 | 106 | 872 | 778 | 3057 | City Property Line |
| 01/05/22 | 01/05/2022 Aggie Pit W. C | N 29° 38' 51.10" W 098° 17' 44.77" | SUNNY 74° W 5 | 13:05 | 0.055 | 8.3 | 96 | 872 | 778 | 3129 | Michels Residence |
| 01/05/22 | 01/05/2022 Aggie Pit W. C | N 29° 38' 51.10" W 098° 17' 44.77" | SUNNY 74° W 5 | 13:05 | NT | NT | NT | 872 | 778 | 6440 | Scholze Residence |
| 01/05/22 | 01/05/2022 Aggie Pit W. C | N 29° 38' 51.10" W 098° 17' 44.77" | SUNNY 74° W 5 | 13:05 | 0.08 | 19.2 | 110 | 872 | 778 | 2614 | Warden Prop Line |
| 01/05/22 | 01/05/2022 Aggie Pit W. C | N 29° 38' 51.10" W 098° 17' 44.77" | SUNNY 74° W 5 | 13:05 | 0.07 | 10.6 | 108 | 872 | 778 | 2877 | Warden Residence |
| 01/07/22 | 01/07/2022 Base Pit E. R | N 29° 38' 27.94" W 098° 16' 58.37" | PARTLY CLOUDY 51° NE 10 | 13:09 | 195.33 | 0.028 | 4.5 | 1194 | 638 | 4934 | City Property Line |
| 01/07/22 | 01/07/2022 Base Pit E. R | N 29° 38' 27.94" W 098° 16' 58.37" | PARTLY CLOUDY 51° NE 10 | 13:09 | 110.38 | 0.04 | 8.8 | 1194 | 638 | 2788 | Holly Residence |
| 01/07/22 | 01/07/2022 Base Pit E. R | N 29° 38' 27.94" W 098° 16' 58.37" | PARTLY CLOUDY 51° NE 10 | 13:09 | 294.57 | 0.03 | 6.8 | 1194 | 638 | 7440 | Michels Residence |
| 01/07/22 | 01/07/2022 Base Pit E. R | N 29° 38' 27.94" W 098° 16' 58.37" | PARTLY CLOUDY 51° NE 10 | 13:09 | NT | NT | NT | 1194 | 638 | 7283 | Scholze Residence |
| 01/07/22 | 01/07/2022 Base Pit E. R | N 29° 38' 27.94" W 098° 16' 58.37" | PARTLY CLOUDY 51° NE 10 | 13:09 | 146.43 | 0.073 | 15.6 | 1194 | 638 | 3699 | Warden Residence |
| 01/12/22 | 01/12/2022 Aggie Pit N. C | N 29° 38' 52.27" W 098° 17' 36.69" | SUNNY 62° W 5 | 13:06 | 0.02 | 10 | 109 | 1008 | 577 | 3424 | City Property Line |


NT = No Trigger, <0.020ips.
NT = No Trigger, <122dB

Approved by: 
Area Manager Nick Reittinger

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JANUARY 2022**

| DATE | SHOT # LOCATION | SHOT LOCATION GPS READING | WEATHER | TIME | PPV (in/sec) | FREQ (Hz) | AIR (dB) | SHOT DURATION (MS) | MAX LBS/ DELAY | DISTANCE FROM BLAST | SEISMOGRAPH LOCATION |
|----------|-----------------------------------|---------------------------------------|-------------------------------|-------|--------------|-----------|----------|--------------------|----------------|---------------------|----------------------|
| 01/12/22 | 01/12/2022 Aggie Pit N. C | N 29° 38' 52.27" W 098° 17' 36.69" | SUNNY 62° W 5 | 13:06 | 0.048 | 27.8 | 106 | 1008 | 577 | 3850 | Michels Residence |
| 01/12/22 | 01/12/2022 Aggie Pit N. C | N 29° 38' 52.27" W 098° 17' 36.69" | SUNNY 62° W 5 | 13:06 | NT | NT | NT | 1008 | 577 | 6821 | Scholze Residence |
| 01/12/22 | 01/12/2022 Aggie Pit N. C | N 29° 38' 52.27" W 098° 17' 36.69" | SUNNY 62° W 5 | 13:06 | 0.083 | 20 | 114 | 1008 | 577 | 2687 | Warden Prop Line |
| 01/12/22 | 01/12/2022 Aggie Pit N. C | N 29° 38' 52.27" W 098° 17' 36.69" | SUNNY 62° W 5 | 13:06 | 0.103 | 17.9 | 113 | 1008 | 577 | 2979 | Warden Residence |
| 01/14/22 | 01/14/2022 Aggie Pit W. A | N 29° 38' 47.74" W 098° 17' 48.04" | SUNNY 74° SW 18 | 13:14 | 0.06 | 7.9 | 117 | 976 | 913 | 2659 | City Property Line |
| 01/14/22 | 01/14/2022 Aggie Pit W. A | N 29° 38' 47.74" W 098° 17' 48.04" | SUNNY 74° SW 18 | 13:14 | 0.13 | 22.7 | 109 | 976 | 913 | 2814 | Michels Residence |
| 01/14/22 | 01/14/2022 Aggie Pit W. A | N 29° 38' 47.74" W 098° 17' 48.04" | SUNNY 74° SW 18 | 13:14 | NT | NT | NT | 976 | 913 | 6024 | Scholze Residence |
| 01/14/22 | 01/14/2022 Aggie Pit W. A | N 29° 38' 47.74" W 098° 17' 48.04" | SUNNY 74° SW 18 | 13:14 | 0.218 | 19.2 | 118 | 976 | 913 | 2365 | Warden Prop Line |
| 01/14/22 | 01/14/2022 Aggie Pit W. A | N 29° 38' 47.74" W 098° 17' 48.04" | SUNNY 74° SW 18 | 13:14 | 0.133 | 14.7 | 117 | 976 | 913 | 2604 | Warden Residence |
| 01/19/22 | 01/19/2022 Pond 4 LVL 1 N.W. B | N 29° 38' 57.46" W 098° 17' 29.57" | PARTLY CLOUDY 73° SW 14 | 13:18 | 0.03 | 6.5 | 96 | 1554 | 357 | 4186 | City Property Line |
| 01/19/22 | 01/19/2022 Pond 4 LVL 1 N.W. B | N 29° 38' 57.46" W 098° 17' 29.57" | PARTLY CLOUDY 73° SW 14 | 13:18 | 0.025 | 26.3 | 90 | 1554 | 357 | 4564 | Michels Residence |
| 01/19/22 | 01/19/2022 Pond 4 LVL 1 N.W. B | N 29° 38' 57.46" W 098° 17' 29.57" | PARTLY CLOUDY 73° SW 14 | 13:18 | NT | NT | NT | 1554 | 357 | 7571 | Scholze Residence |
| 01/19/22 | 01/19/2022 Pond 4 LVL 1 N.W. B | N 29° 38' 57.46" W 098° 17' 29.57" | PARTLY CLOUDY 73° SW 14 | 13:18 | 0.055 | 8.2 | 104 | 1554 | 357 | 3308 | Warden Prop Line |
| 01/19/22 | 01/19/2022 Pond 4 LVL 1 N.W. B | N 29° 38' 57.46" W 098° 17' 29.57" | PARTLY CLOUDY 73° SW 14 | 13:18 | 0.06 | 21.7 | 101 | 1554 | 357 | 3609 | Warden Residence |
| 01/25/22 | 01/25/2022 Aggie Pit E. A | N 29° 38' 45.46" W 098° 17' 34.85" | SUNNY 56° NE 8 | 13:26 | NT | NT | NT | 976 | 621 | 7651 | Biersner Residence |


NT = No Trigger, <0.020ips.
NT = No Trigger, <122dB

Approved by: 
Area Manager Nick Reitinger

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JANUARY 2022**

| DATE | SHOT # LOCATION | SHOT LOCATION GPS READING | WEATHER | TIME | PPV (in/sec) | FREQ (Hz) | AIR (dB) | SHOT DURATION (MS) | MAX LBS/ DELAY | DISTANCE FROM BLAST | SEISMOGRAPH LOCATION |
|----------|---------------------------|---------------------------------------|--------------------|-------|--------------|-----------|----------|--------------------|----------------|---------------------|----------------------|
| 01/25/22 | 01/25/2022 Aggie Pit E. A | N 29° 38' 45.46" W 098° 17' 34.85" | SUNNY 56° NE 8 | 13:26 | 0.045 | 6.3 | 111 | 976 | 621 | 2913 | City Property Line |
| 01/25/22 | 01/25/2022 Aggie Pit E. A | N 29° 38' 45.46" W 098° 17' 34.85" | SUNNY 56° NE 8 | 13:26 | 0.045 | 10 | 114 | 976 | 621 | 3977 | Michels Residence |
| 01/25/22 | 01/25/2022 Aggie Pit E. A | N 29° 38' 45.46" W 098° 17' 34.85" | SUNNY 56° NE 8 | 13:26 | 0.215 | 8.9 | 108 | 976 | 621 | 2021 | Warden Prop Line |
| 01/25/22 | 01/25/2022 Aggie Pit E. A | N 29° 38' 45.46" W 098° 17' 34.85" | SUNNY 56° NE 8 | 13:26 | 0.145 | 8.9 | 108 | 976 | 621 | 2320 | Warden Residence |
| 01/27/22 | 1/27/2022 South Wall B | N 29° 38' 2.15" W 098° 16' 29.30" | CLOUDY 59° SE 6 | 13:05 | NT | NT | NT | 1088 | 320 | 7510 | Biersner Residence |
| 01/27/22 | 1/27/2022 South Wall B | N 29° 38' 2.15" W 098° 16' 29.30" | CLOUDY 59° SE 6 | 13:05 | NT | NT | NT | 1088 | 320 | 7723 | City Property Line |
| 01/27/22 | 1/27/2022 South Wall B | N 29° 38' 2.15" W 098° 16' 29.30" | CLOUDY 59° SE 6 | 13:05 | 0.025 | 23.8 | 102 | 1088 | 320 | 5191 | Holly Residence |
| 01/27/22 | 1/27/2022 South Wall B | N 29° 38' 2.15" W 098° 16' 29.30" | CLOUDY 59° SE 6 | 13:05 | NT | NT | NT | 1088 | 320 | 10752 | Michels Residence |
| 01/27/22 | 1/27/2022 South Wall B | N 29° 38' 2.15" W 098° 16' 29.30" | CLOUDY 59° SE 6 | 13:05 | 0.038 | 15.2 | 91 | 1088 | 320 | 6572 | Warden Residence |

NT = No Trigger, <0.020ips.
NT = No Trigger, <122dB

Approved by: 
Area Manager Nick Reittinger



March 3, 2022

VibraTechinc.com

Mr. Johnell Holly
Garden Ridge Quarry Commission
9400 Municipal Parkway
Garden Ridge, Texas 78266

4818 E. Ben White Blvd.
Suite 202
Austin, TX 78741

Phone 512.442.6464
Fax 512.442.6552

Dear Mr. Holly,

Enclosed is the analysis for the blasting conducted during the month of February 2022 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2022 Blast Data Management Book.

At the request of the Garden Ridge Quarry Commission, Vibra-Tech, Inc. personnel conducted seismic monitoring at various locations for all blasting activities.

The attached report contains the original seismograph records obtained from the blasting along with a comparison of the recorded vibrations to the latest recommended U.S. Bureau of Mines (USBM) Variable Particle Velocity vs. Frequency Limits Report of Investigations (RI)-8507 (Nov. 1980).

The recorded ground vibrations **satisfy** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

The recorded air-borne effects **satisfy** the recommended levels set forth in the USBM RI-8485 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

If there are any additional questions, please contact the Quarry Commission, Johnell Holly at (210) 651-7358, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.

Respectfully submitted,

VIBRA-TECH, INC.

A handwritten signature in black ink, appearing to read "N. Reitinger", written over a faint circular stamp.

Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex



3009

02/08/2022 Lower W. 3I

02/18/2022 Pond 4 LVL 1 N.W. A 02/28/2022 Pond 4 LVL 1 N.W. A
02/01/2022 Aggie Pit N. A 02/24/2022 Lower W. 3G

Michels

02/23/2022 Aggie Pit W. B

02/11/2022 Aggie N.W. B

Warden Property Line

City Property Line

Holly

Garden Ridge

Biersner

3009

Nacogdoches Rd

Nacogdoches Rd

Google Earth

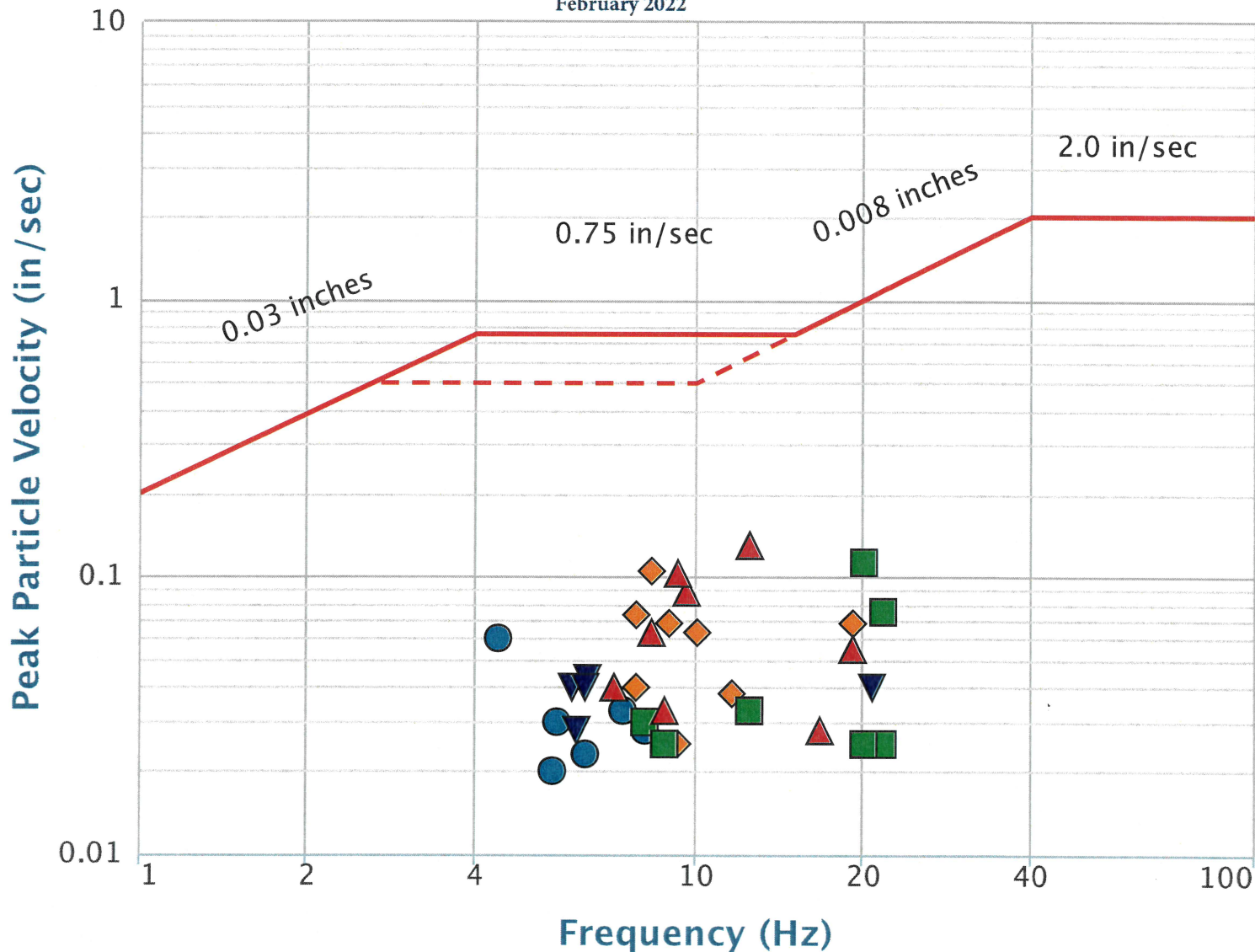
Northeast Bible Church

Capparelli's Italian Food, Pizza, & Catering

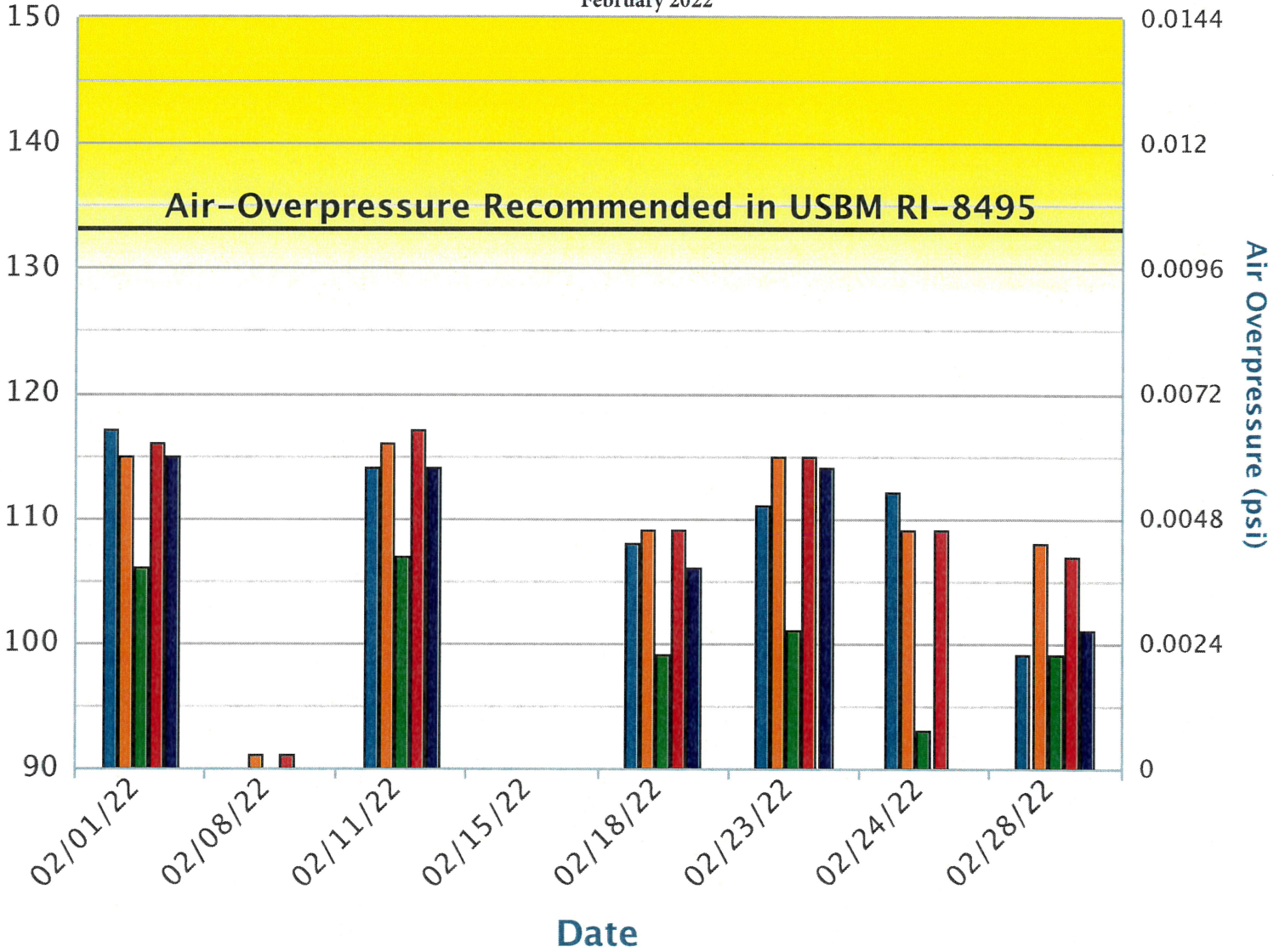
4000 ft



Garden Ridge Quarry Commission
 Garden Ridge, Texas
 USBM Graph
 February 2022



Garden Ridge Quarry Commission
Garden Ridge, Texas
AO Graph
February 2022

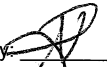


- City Property Line
- Warden Residence
- Michels Residence
- Warden Prop Line
- Holly Residence

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
FEBRUARY 2022**

| DATE | SHOT # LOCATION | SHOT LOCATION GPS READING | WEATHER | TIME | PPV (in/sec) | FREQ (Hz) | AIR (dB) | SHOT DURATION (MS) | MAX LBS/ DELAY | DISTANCE FROM BLAST | SEISMOGRAPH LOCATION |
|----------|---------------------------|---------------------------------------|--------------------|-------|--------------|-----------|----------|--------------------|----------------|---------------------|----------------------|
| 02/01/22 | 02/01/2022 Aggie Pit N. A | N 29° 38' 54.26" W 098° 17' 43.66" | CLOUDY 59° SE 6 | 13:13 | NT | NT | NT | 1012 | 730 | 8477 | Biersner Residence |
| 02/01/22 | 02/01/2022 Aggie Pit N. A | N 29° 38' 54.26" W 098° 17' 43.66" | CLOUDY 59° SE 6 | 13:13 | 0.03 | 5.6 | 117 | 1012 | 730 | 3392 | City Property Line |
| 02/01/22 | 02/01/2022 Aggie Pit N. A | N 29° 38' 54.26" W 098° 17' 43.66" | CLOUDY 59° SE 6 | 13:13 | 0.033 | 12.5 | 106 | 1012 | 730 | 3282 | Michels Residence |
| 02/01/22 | 02/01/2022 Aggie Pit N. A | N 29° 38' 54.26" W 098° 17' 43.66" | CLOUDY 59° SE 6 | 13:13 | 0.088 | 9.6 | 116 | 1012 | 730 | 2913 | Warden Prop Line |
| 02/01/22 | 02/01/2022 Aggie Pit N. A | N 29° 38' 54.26" W 098° 17' 43.66" | CLOUDY 59° SE 6 | 13:13 | 0.073 | 7.8 | 115 | 1012 | 730 | 3182 | Warden Residence |
| 02/08/22 | 02/08/2022 Lower W. 3I | N 29° 39' 0.52" W 098° 17' 48.55" | SUNNY 65° SW 15 | 13:09 | NT | NT | NT | 976 | 89 | 9109 | Biersner Residence |
| 02/08/22 | 02/08/2022 Lower W. 3I | N 29° 39' 0.52" W 098° 17' 48.55" | SUNNY 65° SW 15 | 13:09 | NT | NT | NT | 976 | 89 | 3931 | City Property Line |
| 02/08/22 | 02/08/2022 Lower W. 3I | N 29° 39' 0.52" W 098° 17' 48.55" | SUNNY 65° SW 15 | 13:09 | 0.025 | 20 | 87 | 976 | 89 | 3089 | Michels Residence |
| 02/08/22 | 02/08/2022 Lower W. 3I | N 29° 39' 0.52" W 098° 17' 48.55" | SUNNY 65° SW 15 | 13:09 | 0.033 | 8.8 | 91 | 976 | 89 | 3618 | Warden Prop Line |
| 02/08/22 | 02/08/2022 Lower W. 3I | N 29° 39' 0.52" W 098° 17' 48.55" | SUNNY 65° SW 15 | 13:09 | 0.038 | 11.6 | 91 | 976 | 89 | 3874 | Warden Residence |
| 02/11/22 | 02/11/2022 Aggie N.W. B | N 29° 38' 48.33" W 098° 17' 48.49" | CLEAR 74° S 9 | 14:21 | NT | NT | NT | 752 | 975 | 7879 | Biersner Residence |
| 02/11/22 | 02/11/2022 Aggie N.W. B | N 29° 38' 48.33" W 098° 17' 48.49" | CLEAR 74° S 9 | 14:21 | 0.06 | 4.4 | 114 | 752 | 975 | 2711 | City Property Line |
| 02/11/22 | 02/11/2022 Aggie N.W. B | N 29° 38' 48.33" W 098° 17' 48.49" | CLEAR 74° S 9 | 14:21 | 0.113 | 20 | 107 | 752 | 975 | 2777 | Michels Residence |
| 02/11/22 | 02/11/2022 Aggie N.W. B | N 29° 38' 48.33" W 098° 17' 48.49" | CLEAR 74° S 9 | 14:21 | 0.13 | 12.5 | 117 | 752 | 975 | 2434 | Warden Prop Line |
| 02/11/22 | 02/11/2022 Aggie N.W. B | N 29° 38' 48.33" W 098° 17' 48.49" | CLEAR 74° S 9 | 14:21 | 0.105 | 8.3 | 116 | 752 | 975 | 2672 | Warden Residence |


NT = No Trigger, <0.020ips.
NT = No Trigger, <122dB

Approved by: 
Area Manager Nick Reittinger

GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
FEBRUARY 2022

| DATE | SHOT # LOCATION | SHOT LOCATION GPS READING | WEATHER | TIME | PPV (in/sec) | FREQ (Hz) | AIR (dB) | SHOT DURATION (MS) | MAX LBS/ DELAY | DISTANCE FROM BLAST | SEISMOGRAPH LOCATION |
|----------|-----------------------------------|---------------------------------------|--------------------|-------|--------------|-----------|----------|--------------------|----------------|---------------------|----------------------|
| 02/15/22 | 02/15/2022 Lower W. 3H | N 29° 38' 58.49" W 098° 17' 48.47" | SUNNY 66° S 28 | 13:14 | NT | NT | NT | 1072 | 172 | 8903 | Biersner Residence |
| 02/15/22 | 02/15/2022 Lower W. 3H | N 29° 38' 58.49" W 098° 17' 48.47" | SUNNY 66° S 28 | 13:14 | NT | NT | NT | 1072 | 172 | 3728 | City Property Line |
| 02/15/22 | 02/15/2022 Lower W. 3H | N 29° 38' 58.49" W 098° 17' 48.47" | SUNNY 66° S 28 | 13:14 | 0.025 | 21.7 | 90 | 1072 | 172 | 3010 | Michels Residence |
| 02/15/22 | 02/15/2022 Lower W. 3H | N 29° 38' 58.49" W 098° 17' 48.47" | SUNNY 66° S 28 | 13:14 | 0.028 | 16.7 | 90 | 1072 | 172 | 3417 | Warden Prop Line |
| 02/15/22 | 02/15/2022 Lower W. 3H | N 29° 38' 58.49" W 098° 17' 48.47" | SUNNY 66° S 28 | 13:14 | 0.025 | 9.3 | 88 | 1072 | 172 | 3671 | Warden Residence |
| 02/18/22 | 02/18/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 57.79" W 098° 17' 29.84" | SUNNY 60° NE 10 | 13:17 | NT | NT | NT | 1472 | 625 | 8952 | Biersner Residence |
| 02/18/22 | 02/18/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 57.79" W 098° 17' 29.84" | SUNNY 60° NE 10 | 13:17 | 0.028 | 8.1 | 108 | 1472 | 625 | 4203 | City Property Line |
| 02/18/22 | 02/18/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 57.79" W 098° 17' 29.84" | SUNNY 60° NE 10 | 13:17 | 0.03 | 8.1 | 99 | 1472 | 625 | 4549 | Michels Residence |
| 02/18/22 | 02/18/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 57.79" W 098° 17' 29.84" | SUNNY 60° NE 10 | 13:17 | 0.055 | 19.2 | 109 | 1472 | 625 | 3334 | Warden Prop Line |
| 02/18/22 | 02/18/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 57.79" W 098° 17' 29.84" | SUNNY 60° NE 10 | 13:17 | 0.068 | 19.2 | 109 | 1472 | 625 | 3635 | Warden Residence |
| 02/23/22 | 02/23/2022 Aggie Pit W. B | N 29° 38' 50.01" W 098° 17' 45.65" | CLOUDY 34° N 23 | 14:39 | NT | NT | NT | 784 | 841 | 8043 | Biersner Residence |
| 02/23/22 | 02/23/2022 Aggie Pit W. B | N 29° 38' 50.01" W 098° 17' 45.65" | CLOUDY 34° N 23 | 14:39 | 0.023 | 6.3 | 111 | 784 | 841 | 2931 | City Property Line |
| 02/23/22 | 02/23/2022 Aggie Pit W. B | N 29° 38' 50.01" W 098° 17' 45.65" | CLOUDY 34° N 23 | 14:39 | 0.075 | 21.7 | 101 | 784 | 841 | 3039 | Michels Residence |
| 02/23/22 | 02/23/2022 Aggie Pit W. B | N 29° 38' 50.01" W 098° 17' 45.65" | CLOUDY 34° N 23 | 14:39 | 0.103 | 9.3 | 115 | 784 | 841 | 2524 | Warden Prop Line |
| 02/23/22 | 02/23/2022 Aggie Pit W. B | N 29° 38' 50.01" W 098° 17' 45.65" | CLOUDY 34° N 23 | 14:39 | 0.068 | 8.9 | 115 | 784 | 841 | 2781 | Warden Residence |
| 02/24/22 | 02/24/2022 Lower W. 3G | N 29° 38' 56.07" W 098° 17' 48.16" | CLOUDY 36° N 26 | 13:02 | NT | NT | NT | 1000 | 245 | 8658 | Biersner Residence |

NT = No Trigger, <0.020ips.
NT = No Trigger, <122dB

Approved by: 
Area Manager Nick Reittinger

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
FEBRUARY 2022**

| DATE | SHOT # LOCATION | SHOT LOCATION GPS READING | WEATHER | TIME | PPV (in/sec) | FREQ (Hz) | AIR (dB) | SHOT DURATION (MS) | MAX LBS/ DELAY | DISTANCE FROM BLAST | SEISMOGRAPH LOCATION |
|----------|-----------------------------------|---------------------------------------|--------------------|-------|--------------|-----------|----------|--------------------|----------------|---------------------|----------------------|
| 02/24/22 | 02/24/2022 Lower W. 3G | N 29° 38' 56.07" W 098° 17' 48.16" | CLOUDY 36° N 26 | 13:02 | 0.02 | 5.5 | 112 | 1000 | 245 | 3489 | City Property Line |
| 02/24/22 | 02/24/2022 Lower W. 3G | N 29° 38' 56.07" W 098° 17' 48.16" | CLOUDY 36° N 26 | 13:02 | 0.025 | 20 | 93 | 1000 | 245 | 2949 | Michels Residence |
| 02/24/22 | 02/24/2022 Lower W. 3G | N 29° 38' 56.07" W 098° 17' 48.16" | CLOUDY 36° N 26 | 13:02 | 0.04 | 7.1 | 109 | 1000 | 245 | 3173 | Warden Prop Line |
| 02/24/22 | 02/24/2022 Lower W. 3G | N 29° 38' 56.07" W 098° 17' 48.16" | CLOUDY 36° N 26 | 13:02 | 0.04 | 7.8 | 109 | 1000 | 245 | 3426 | Warden Residence |
| 02/28/22 | 02/28/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 58.19" W 098° 17' 30.53" | SUNNY 64° E 7 | 13:55 | NT | NT | NT | 1408 | 551 | 8982 | Biersner Residence |
| 02/28/22 | 02/28/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 58.19" W 098° 17' 30.53" | SUNNY 64° E 7 | 13:55 | 0.033 | 7.4 | 99 | 1408 | 551 | 4208 | City Property Line |
| 02/28/22 | 02/28/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 58.19" W 098° 17' 30.53" | SUNNY 64° E 7 | 13:55 | 0.025 | 8.8 | 99 | 1408 | 551 | 4500 | Michels Residence |
| 02/28/22 | 02/28/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 58.19" W 098° 17' 30.53" | SUNNY 64° E 7 | 13:55 | 0.063 | 8.3 | 107 | 1408 | 551 | 3360 | Warden Prop Line |
| 02/28/22 | 02/28/2022 Pond 4 LVL 1 N.W. A | N 29° 38' 58.19" W 098° 17' 30.53" | SUNNY 64° E 7 | 13:55 | 0.063 | 10 | 108 | 1408 | 551 | 3660 | Warden Residence |

NT = No Trigger, <0.020ips.

NT = No Trigger, <122dB

Approved by: 
Area Manager Nick Rettinger

| # | Month | Blast Date | Blast time | Date Received | Name | Address | Phone # | Rating | # stories | sq footage | Request contact | Misc | Date sent to VibraTech |
|---------|---------|------------|------------|---------------|-------------------------|----------------------------|-------------|--------|-----------|------------|-----------------|---|------------------------|
| 2022-1Q | January | 1/14/2022 | 1:14pm | 1/14/2022 | Valinda McAlister-Bacon | 21260 Forest Waters Circle | 210-422-880 | 4 | 2 | 4400 | No | This DID shake the entire 1st and 2nd floors as well as light fixtures and mirrors on the wall....it's getting stronger and stronger. | 1/14/2022 |

Print

Citizen Quarry Blast Impact Report - Submission #3151

Date Submitted: 1/14/2022

First Name

Valinda

Last Name

McAlister-Bacon

Report Date

1/14/2022

Phone Number:

210-422-880

E-Mail Address

[REDACTED]

Address1

21260 Forest Waters Circle

Blast Date/Time:

01/14/22 @1:14pm

Please describe the event.

This DID shake the entire 1st and 2nd floors as well as light fixtures and mirrors on the wall....it's getting stronger and stronger.

How did this blast compare to other blasts?

Stronger blast

On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)

4

What was your activity at the time of blast?

Lunmch

In what general direction does you house face? (N,E,S or W)

South

What is the approximate square footage of your home?

4400

Is your home a 1 story, 1 1/2 , or 2 story or large?

2

Would you like a Quarry Representative to contact you regarding your report?*

No

We encourage you to attend the next meeting of the Quarry Commission.

Representatives of the monitoring company and the blasting contractor as well as the Quarry Manager normally attend every meeting and are available to answer questions. The Commission meets the second Monday of every other month at 6:00 PM in the City Council Chambers in City Hall.

By filing this report, you consent to the public release of this information.

Future Agenda Items

Quarry Commission

May 9, 2022

Regular Meeting

- 12 days before Meeting (04/28/22) Commission and Staff items are due
- 10 days before Meeting (04/30/22) City Administrator and Chair review agenda. City Attorney is sent the agenda for approval.
- 7 days before Meeting (05/02/22) Post Agenda on bulletin board and Commission will receive packet.
(allowing a day and half for corrections and to request additional information to be added)
- 4 days before Meeting (05/05/22) Post Agenda Packet to CivicClerk
- 3 days before Meeting (05/06/22) (72 hours) – Local Government Code requirement for posting

City Council = Red

Impact Fee Committee = Pink

Quarry Commission = Purple

Planning & Zoning = Green

Water Commission = Blue

Wildlife Management Advisory Commission = Brown

City Holiday = Orange

| Sun | Mon | Tues | Wed | Thur | Fri | Sat |
|-----|-----|------|-----|------|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

Approvals

1. Minutes 3/15/22

Public Hearings/Recommendations

Discussion/Reports

1. Monthly Blasting Analysis Data and Monitoring of Blasts
2. Citizen Blast Impact Reports
3. City Council Update
4. Future Agenda Items
 - a. Commissioners' input

Education/Training Session

Executive Session

PENDING FUTURE AGENDA ITEMS