



City of Garden Ridge

“A way of life, not just a place to live”

AGENDA QUARRY COMMISSION REGULAR MEETING MONDAY, SEPTEMBER 14, 2020, 6:00 P.M.

The Garden Ridge Quarry Commission will meet in a regular session on Monday, September 14, 2020, 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 March 9, 2020, 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 currently located at the Baker residence.

4. Items applicable to the Quarry Commission discussed at the May, June, July, August, and September City Council Meetings.

5. Update on Grapevine articles.

c) Recommendations

1. Request from Buckley Powder Co., for a Partial Exemption Permit to conduct blasting activities at the Hanson Quarry for the period of October 1, 2020-September 30, 2021.
 - i. Review request and make recommendation to City Council.
2. Ordinance No. 210-022018 An Ordinance of the City Council of the City of Garden Ridge adopting board and commission policy and procedures; providing that this Ordinance shall be cumulative of all Ordinances; providing a severability clause; providing a savings clause; and providing an effective date.
 - i. Update on former Commissioner DuBois's resignation.
 - ii. Interview possible candidates for Quarry Commission, Place 7 vacancy (term expiring September 30, 2022).
 - iii. Make recommendation to City Council for appointment of commissioner.
 - iv. Discuss expiring terms (September 30, 2020) of Commissioner Holly and Commissioner Barucky.
 - v. Make recommendation to City Council for consideration of reappointment.
 - vi. Discuss and make recommendations related to application of ordinance provisions to commission members, if needed.

d) Education/Training

1. Discuss "Blasting Educational Materials" with Vibratex, Hanson representatives, blasting contractors, and the public.
2. Discuss future education/training sessions.

e) Future Agenda Items

1. Commissioners input on agenda items.
2. Announce the date, time, and location for next meeting (November 9, 2020, at 6:00 p.m. at 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 3:00 p.m. on September 1, 2020, 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, MARCH 9, 2020, 6:00 P.M.

Commissioners Present:

Chair Johnell Holly
Vice-Chair Jerry Barucky
Commissioner Mark DuBois
Commissioner Wayne Mudge
Commissioner Mike Shands
Commissioner Albert Haddad
Commissioner Richard Holloway
Councilmember Bryan Lantzy, Ex-officio

Commissioners Absent: None.

City Staff Present:

Nancy Cain, City Administrator
Marisa Spencer, City Secretary
Kat Balbi, Assistant City Secretary

1. Call to Order

With a quorum of the Quarry Commissioners present, Chair Holly called the regular meeting of the Garden Ridge Quarry Commission to order at 6:00 p.m. on Monday, March 9, 2020, 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 Holly 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 January 13, 2020, Quarry Commission Regular Meeting.

Motion: A motion was made by Commissioner Holloway, seconded by Vice-Chair Barucky, to approve the January 13, 2020, Quarry Commission Regular Meeting Minutes. The Commission voted six (6) 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 Vibratex. 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.

Nicholas Reittinger, Vibra-Tech, presented and discussed the January blast analysis. He stated that 11 shots occurred during the month of January and none of the blasts exceeded the limits of Ordinance 34. He reported the highest PPV reading of 0.078 occurred on January 23rd at the Holly Residence and the highest Air Overpressure of 114 dB occurred on January 7th at the Holly Residence.

Nicholas Reittinger, Vibra-Tech, presented and discussed the February blast analysis. He stated that 11 shots occurred during the month of February and none of the blasts exceeded the limits of Ordinance 34. He reported

the highest PPV reading of 0.145 occurred on February 25th at the Warden Residence and the first highest Air Overpressure of 111 dB occurred on February 18th at the Holly Residence and second highest Air Overpressure of 111 dB occurred on February 28th at the Warden Residence.

Sean Steagall, Hanson Quarry, answered questions from the Commission regarding blasting operations.

- 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.**

Nicholas Reitinger, Vibra-Tech, stated no citizen blast reports were received for the month of January through February.

- 3. Discussion on number of, placement, and location of monitors and other matters related to monitoring of blasts by Vibrattech and notification to residents of monitor placements. Discuss placement of roving monitor which is currently at the Baker residence.**

The Commission agreed to leave the roving monitor at the Baker residence.

- 4. Items applicable to the Quarry Commission discussed at the February 5, 2020, and March 4, 2020, City Council Regular Meetings.**

Chair Holly provided the Commission with an update on the items discussed at the February and March City Council Regular Meetings.

- 5. Update on Grapevine articles.**

Commissioner DuBois requested all Commissioners send information to him for the Grapevine article.

- 6. Ordinance No. 210-022018 An Ordinance of the City Council of the City of Garden Ridge adopting board and commission policy and procedures; providing that this Ordinance shall be cumulative of all Ordinances; providing a severability clause; providing a savings clause; and providing an effective date.**

- i. Discuss and accept the resignation of Commissioner Holloway.**

Commissioner Holloway thanked the Quarry Commission and the City for his opportunity to serve.

Motion: A motion was made by Commissioner Shands, seconded by Commissioner Mudge, to accept the resignation of Commissioner Holloway. The Commission voted six (6) for and none (0) opposed. The motion carried unanimously.

- ii. Interview possible candidates for the Quarry Commission Place 5 vacancy (term expiring September 30, 2021).**

The Commission interviewed Armando Diaz. He spoke regarding his history in Garden Ridge and his interests with Hanson Quarry. The Commission discussed the attendance requirement in Ordinance No. 210, which Mr. Diaz stated would not be a concern.

- iii. Make recommendation to City Council for appointment of Commissioner.**

Motion: A motion was made by Commissioner Haddad, seconded by Commissioner Mudge, to recommend to City Council the appointment of Armando Diaz to the Quarry Commission Place 5 with term expiring September 30, 2021. The Commission voted six (6) for and none (0) opposed. The motion carried unanimously.

- iv. Discuss and make recommendations related to application of ordinance provisions to commission members, if needed.**

The Commission did not have any additional matters to discuss at this time.

- c) Education/Training**

- 1. Discuss “Blasting Educational Materials” with Vibrattech, Hanson representatives, blasting contractors, and the public.**

Nicholas Reitinger, Vibra-Tech, reviewed the questions submitted by Commissioners. The Commission provided additional input for the educational materials.

2. Discuss future education/training sessions.

The Commission did not have any additional matters to discuss at this time.

d) Future Agenda Items

1. Commissioners input for items on upcoming agendas.

None at this time.

2. Announcement of next Quarry Commission Regular Meeting.

Chair Holly announced the next Quarry Commission Regular Meeting will be held on Monday, May 11, 2020, at 6:00 p.m. at City Hall.

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

7. Adjournment

Motion: A motion was made by Commissioner Shands, seconded by Commissioner Holloway, to adjourn. The Commission voted six (6) for and none (0) opposed. The motion carried unanimously. There being no further business, the Monday, March 9, 2020, Quarry Commission Regular Meeting was adjourned at 7:05 p.m. by Chair Holly.

ATTEST:

Johnell Holly
Chair

Kat Balbi
Assistant City Secretary



May 4, 2020

Mr. Mike Shands
Garden Ridge Quarry Commission
9400 Municipal Parkway
Garden Ridge, Texas 78266

VibraTechinc.com

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

Phone 512.442.6464
Fax 512.442.6552

Dear Mr. Shands,

Enclosed is the analysis for the blasting conducted during the month of April 2020 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2020 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, Mike Shands at (210) 257-0868, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.



VibraTechinc.com

Respectfully submitted,

VIBRA-TECH, INC.

A handwritten signature in black ink, appearing to be "N. Reitinger", written in a cursive style.

Nicholas Reitinger
Area Manager

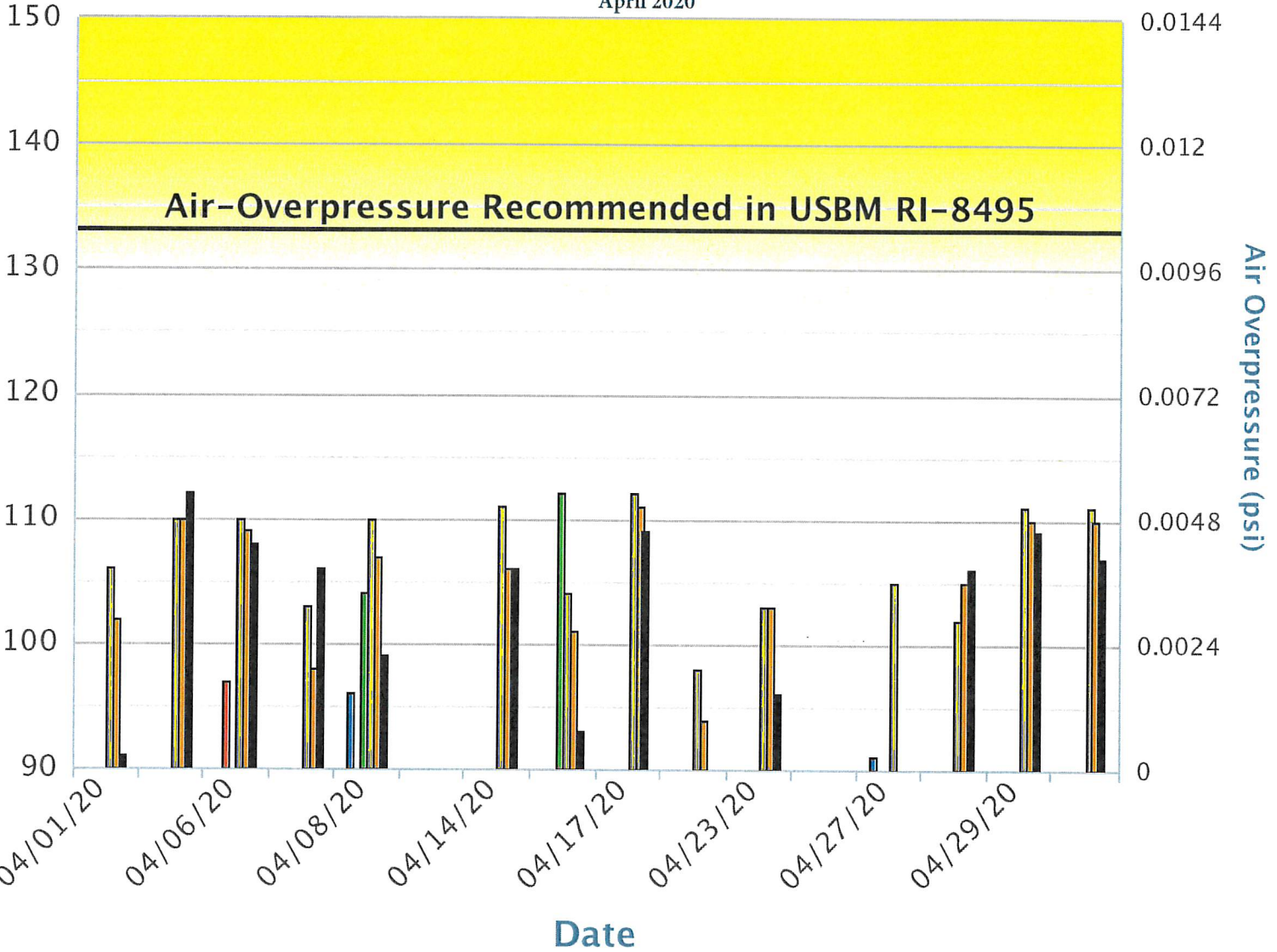
cc: Patrick Pieton, Hanson – Servtex



Google Earth

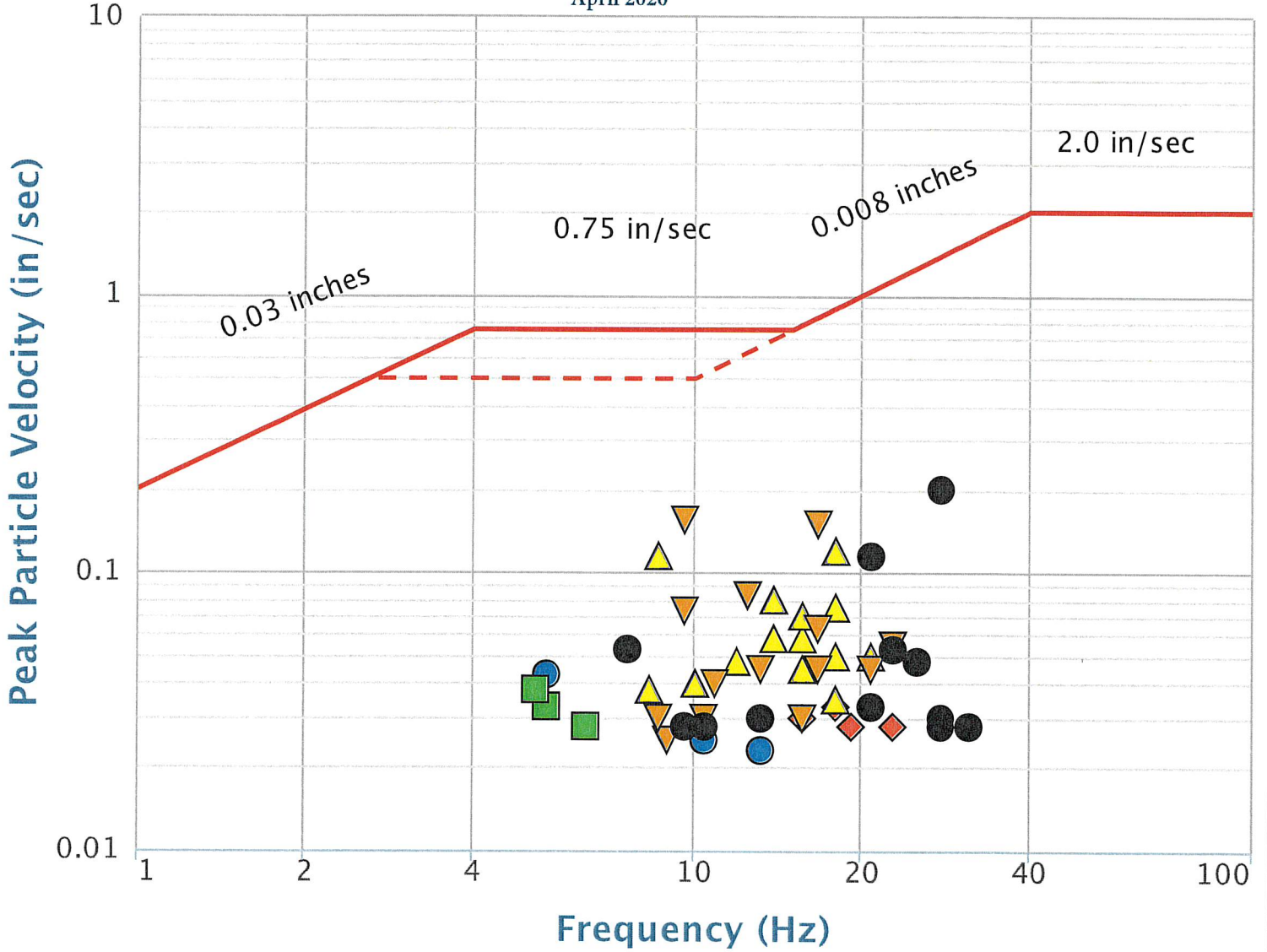
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Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 April 2020



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

Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
April 2020



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2020**

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
04/01/20	04/01/2020 Aggie Pit Ramp 3	N 29° 38' 44.11" W 098° 17' 36.63"	SUNNY 68° SE 8	13:15	NT	NT	NT	1139	277.00	4,625	Baker Residence
04/01/20	04/01/2020 Aggie Pit Ramp 3	N 29° 38' 44.11" W 098° 17' 36.63"	SUNNY 68° SE 8	13:15	NT	NT	NT	1139	277.00	2,713	City Property Line
04/01/20	04/01/2020 Aggie Pit Ramp 3	N 29° 38' 44.11" W 098° 17' 36.63"	SUNNY 68° SE 8	13:15	NT	NT	NT	1139	277.00	3,831	Michels - 9118 Tuscan Hills
04/01/20	04/01/2020 Aggie Pit Ramp 3	N 29° 38' 44.11" W 098° 17' 36.63"	SUNNY 68° SE 8	13:15	0.073	9.6	102	1139	277.00	2,160	Warden - 21375 Gunther Grove
04/01/20	04/01/2020 Aggie Pit Ramp 3	N 29° 38' 44.11" W 098° 17' 36.63"	SUNNY 68° SE 8	13:15	0.12	17.9	106	1139	277.00	1,865	Warden Property Line
04/02/20	04/02/2020 Legacy A	N 29° 38' 6.08" W 098° 16' 28.03"	CLOUDY 65° SE 3	10:39	NT	NT	NT	1023	579.00	10,698	Baker Residence
04/02/20	04/02/2020 Legacy A	N 29° 38' 6.08" W 098° 16' 28.03"	CLOUDY 65° SE 3	10:39	NT	NT	NT	1023	579.00	7,742	City Property Line
04/02/20	04/02/2020 Legacy A	N 29° 38' 6.08" W 098° 16' 28.03"	CLOUDY 65° SE 3	10:39	0.028	27.8	112	1023	579.00	5,218	Holly - 9916 Trophy Oaks
04/02/20	04/02/2020 Legacy A	N 29° 38' 6.08" W 098° 16' 28.03"	CLOUDY 65° SE 3	10:39	NT	NT	NT	1023	579.00	10,698	Michels - 9118 Tuscan Hills
04/02/20	04/02/2020 Legacy A	N 29° 38' 6.08" W 098° 16' 28.03"	CLOUDY 65° SE 3	10:39	0.045	20.8	110	1023	579.00	6,567	Warden - 21375 Gunther Grove
04/06/20	04/06/2020 South Wall G	N 29° 37' 57.03" W 098° 16' 55.06"	CLEAR 75° N 1	16:02	0.03	15.6	97	1308	1136.00	8,700	Baker Residence
04/06/20	04/06/2020 South Wall G	N 29° 37' 57.03" W 098° 16' 55.06"	CLEAR 75° N 1	16:02	NT	NT	NT	1308	1136.00	5,775	City Property Line
04/06/20	04/06/2020 South Wall G	N 29° 37' 57.03" W 098° 16' 55.06"	CLEAR 75° N 1	16:02	0.053	7.6	108	1308	1136.00	3,307	Holly - 9916 Trophy Oaks
04/06/20	04/06/2020 South Wall G	N 29° 37' 57.03" W 098° 16' 55.06"	CLEAR 75° N 1	16:02	NT	NT	NT	1308	1136.00	9,034	Michels - 9118 Tuscan Hills
04/06/20	04/06/2020 South Wall G	N 29° 37' 57.03" W 098° 16' 55.06"	CLEAR 75° N 1	16:02	0.063	16.7	109	1308	1136.00	4,753	Warden - 21375 Gunther Grove

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2020**

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
04/07/20	04/07/2020 Base Pit West Wall A	N 29° 38' 17.68" W 098° 17' 6.61"	CLOUDY 73° SW 5	11:50	0.028	19.2	82	608	239.00	7,134	Baker Residence
04/07/20	04/07/2020 Base Pit West Wall A	N 29° 38' 17.68" W 098° 17' 6.61"	CLOUDY 73° SW 5	11:50	0.033	5.4	89	608	239.00	4,197	City Property Line
04/07/20	04/07/2020 Base Pit West Wall A	N 29° 38' 17.68" W 098° 17' 6.61"	CLOUDY 73° SW 5	11:50	0.2	27.8	106	608	239.00	1,760	Holly - 9916 Trophy Oaks
04/07/20	04/07/2020 Base Pit West Wall A	N 29° 38' 17.68" W 098° 17' 6.61"	CLOUDY 73° SW 5	11:50	NT	NT	NT	608	239.00	7,114	Michels - 9118 Tuscan Hills
04/07/20	04/07/2020 Base Pit West Wall A	N 29° 38' 17.68" W 098° 17' 6.61"	CLOUDY 73° SW 5	11:50	0.15	16.7	98	608	239.00	2,990	Warden - 21375 Gunther Grove
04/08/20	04/08/2020 Pond 4 Level 1	N 29° 39' 0.87" W 098° 17' 17.40"	PARTLY CLOUDY 86° W 5	13:10	NT	NT	NT	1539	297.00	6,854	Baker Residence
04/08/20	04/08/2020 Pond 4 Level 1	N 29° 39' 0.87" W 098° 17' 17.40"	PARTLY CLOUDY 86° W 5	13:10	0.028	6.4	104	1539	297.00	5,090	City Property Line
04/08/20	04/08/2020 Pond 4 Level 1	N 29° 39' 0.87" W 098° 17' 17.40"	PARTLY CLOUDY 86° W 5	13:10	0.025	10.4	96	1539	297.00	5,690	Michels - 9118 Tuscan Hills
04/08/20	04/08/2020 Pond 4 Level 1	N 29° 39' 0.87" W 098° 17' 17.40"	PARTLY CLOUDY 86° W 5	13:10	0.04	10.9	107	1539	297.00	4,323	Warden - 21375 Gunther Grove
04/08/20	04/08/2020 Pond 4 Level 1	N 29° 39' 0.87" W 098° 17' 17.40"	PARTLY CLOUDY 86° W 5	13:10	0.038	8.3	110	1539	297.00	4,023	Warden Property Line
04/13/20	04/13/2020 Stripping D	N 29° 38' 4.80" W 098° 16' 27.67"	SUNNY 63° NE 12	14:27	NT	NT	NT	4276	90.00	10,759	Baker Residence
04/13/20	04/13/2020 Stripping D	N 29° 38' 4.80" W 098° 16' 27.67"	SUNNY 63° NE 12	14:27	NT	NT	NT	4276	90.00	7,801	City Property Line
04/13/20	04/13/2020 Stripping D	N 29° 38' 4.80" W 098° 16' 27.67"	SUNNY 63° NE 12	14:27	NT	NT	NT	4276	90.00	5,273	Holly - 9916 Trophy Oaks
04/13/20	04/13/2020 Stripping D	N 29° 38' 4.80" W 098° 16' 27.67"	SUNNY 63° NE 12	14:27	NT	NT	NT	4276	90.00	10,778	Michels - 9118 Tuscan Hills
04/13/20	04/13/2020 Stripping D	N 29° 38' 4.80" W 098° 16' 27.67"	SUNNY 63° NE 12	14:27	NT	NT	NT	4276	90.00	6,632	Warden - 21375 Gunther Grove

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APRIL 2020**

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04/14/20	04/14/2020 Base Pit S Wall D	N 29° 38' 4.23" W 098° 16' 53.02"	CLOUDY 53° NE 14	11:24	NT	NT	NT	1137	732.00	8,621	Baker Residence
04/14/20	04/14/2020 Base Pit S Wall D	N 29° 38' 4.23" W 098° 16' 53.02"	CLOUDY 53° NE 14	11:24	NT	NT	NT	1137	732.00	5,665	City Property Line
04/14/20	04/14/2020 Base Pit S Wall D	N 29° 38' 4.23" W 098° 16' 53.02"	CLOUDY 53° NE 14	11:24	0.028	10.4	106	1137	732.00	3,135	Holly - 9916 Trophy Oaks
04/14/20	04/14/2020 Base Pit S Wall D	N 29° 38' 4.23" W 098° 16' 53.02"	CLOUDY 53° NE 14	11:24	NT	NT	NT	1137	732.00	8,802	Michels - 9118 Tuscan Hills
04/14/20	04/14/2020 Base Pit S Wall D	N 29° 38' 4.23" W 098° 16' 53.02"	CLOUDY 53° NE 14	11:24	0.03	15.6	106	1137	732.00	4,554	Warden - 21375 Gunther Grove
04/16/20	04/16/2020 Aggie Pit Ramp 4	N 29° 38' 44.31" W 098° 17' 37.61"	SUNNY 66° SE 12	12:10	0.028	22.7	89	1295	423.00	4,550	Baker Residence
04/16/20	04/16/2020 Aggie Pit Ramp 4	N 29° 38' 44.31" W 098° 17' 37.61"	SUNNY 66° SE 12	12:10	0.038	5.2	112	1295	423.00	2,682	City Property Line
04/16/20	04/16/2020 Aggie Pit Ramp 4	N 29° 38' 44.31" W 098° 17' 37.61"	SUNNY 66° SE 12	12:10	0.043	5.4	87	1295	423.00	3,743	Michels - 9118 Tuscan Hills
04/16/20	04/16/2020 Aggie Pit Ramp 4	N 29° 38' 44.31" W 098° 17' 37.61"	SUNNY 66° SE 12	12:10	0.155	9.6	101	1295	423.00	2,170	Warden - 21375 Gunther Grove
04/16/20	04/16/2020 Aggie Pit Ramp 4	N 29° 38' 44.31" W 098° 17' 37.61"	SUNNY 66° SE 12	12:10	0.115	8.6	104	1295	423.00	1,878	Warden Property Line
04/17/20	04/17/2020 S. Wall C	N 29° 38' 2.15" W 098° 16' 41.22"	CLOUDY 68° S 8	10:56	NT	NT	NT	871	950.00	9,676	Baker Residence
04/17/20	04/17/2020 S. Wall C	N 29° 38' 2.15" W 098° 16' 41.22"	CLOUDY 68° S 8	10:56	NT	NT	NT	871	950.00	6,719	City Property Line
04/17/20	04/17/2020 S. Wall C	N 29° 38' 2.15" W 098° 16' 41.22"	CLOUDY 68° S 8	10:56	0.048	25	109	871	950.00	4,186	Holly - 9916 Trophy Oaks
04/17/20	04/17/2020 S. Wall C	N 29° 38' 2.15" W 098° 16' 41.22"	CLOUDY 68° S 8	10:56	NT	NT	NT	871	950.00	9,816	Michels - 9118 Tuscan Hills
04/17/20	04/17/2020 S. Wall C	N 29° 38' 2.15" W 098° 16' 41.22"	CLOUDY 68° S 8	10:56	0.045	16.7	111	871	950.00	5,592	Warden - 21375 Gunther Grove

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**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
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APRIL 2020**

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
04/21/20	04/21/2020 Upper West 3G	N 29° 38' 58.77" W 098° 17' 47.23"	SUNNY 78° SE 8	13:07	NT	NT	NT	1160	96.00	4,542	Baker Residence
04/21/20	04/21/2020 Upper West 3G	N 29° 38' 58.77" W 098° 17' 47.23"	SUNNY 78° SE 8	13:07	NT	NT	NT	1160	96.00	3,774	City Property Line
04/21/20	04/21/2020 Upper West 3G	N 29° 38' 58.77" W 098° 17' 47.23"	SUNNY 78° SE 8	13:07	NT	NT	NT	1160	96.00	3,123	Michels - 9118 Tuscan Hills
04/21/20	04/21/2020 Upper West 3G	N 29° 38' 58.77" W 098° 17' 47.23"	SUNNY 78° SE 8	13:07	0.03	10.4	94	1160	96.00	3,680	Warden - 21375 Gunther Grove
04/21/20	04/21/2020 Upper West 3G	N 29° 38' 58.77" W 098° 17' 47.23"	SUNNY 78° SE 8	13:07	0.04	10	98	1160	96.00	3,421	Warden Property Line
04/23/20	04/23/2020 S. Wall A	N 29° 38' 4.50" W 098° 16' 31.30"	SUNNY 82° N 20	12:05	NT	NT	NT	1441	567.00	10,456	Baker Residence
04/23/20	04/23/2020 S. Wall A	N 29° 38' 4.50" W 098° 16' 31.30"	SUNNY 82° N 20	12:05	NT	NT	NT	1441	567.00	7,497	City Property Line
04/23/20	04/23/2020 S. Wall A	N 29° 38' 4.50" W 098° 16' 31.30"	SUNNY 82° N 20	12:05	0.053	22.7	96	1441	567.00	4,966	Holly - 9916 Trophy Oaks
04/23/20	04/23/2020 S. Wall A	N 29° 38' 4.50" W 098° 16' 31.30"	SUNNY 82° N 20	12:05	NT	NT	NT	1441	567.00	10,498	Michels - 9118 Tuscan Hills
04/23/20	04/23/2020 S. Wall A	N 29° 38' 4.50" W 098° 16' 31.30"	SUNNY 82° N 20	12:05	0.055	22.7	103	1441	567.00	6,335	Warden - 21375 Gunther Grove
04/24/20	04/24/2020 Stripping A	N 29° 38' 9.64" W 098° 16' 24.84"	SUNNY 88° S 16	13:44	NT	NT	NT	2786	125.00	10,899	Baker Residence
04/24/20	04/24/2020 Stripping A	N 29° 38' 9.64" W 098° 16' 24.84"	SUNNY 88° S 16	13:44	NT	NT	NT	2786	125.00	7,952	City Property Line
04/24/20	04/24/2020 Stripping A	N 29° 38' 9.64" W 098° 16' 24.84"	SUNNY 88° S 16	13:44	NT	NT	NT	2786	125.00	5,446	Holly - 9916 Trophy Oaks
04/24/20	04/24/2020 Stripping A	N 29° 38' 9.64" W 098° 16' 24.84"	SUNNY 88° S 16	13:44	NT	NT	NT	2786	125.00	10,826	Michels - 9118 Tuscan Hills
04/24/20	04/24/2020 Stripping A	N 29° 38' 9.64" W 098° 16' 24.84"	SUNNY 88° S 16	13:44	NT	NT	NT	2786	125.00	6,757	Warden - 21375 Gunther Grove

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2020**

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
04/27/20	04/27/2020 Upper West 3E	N 29° 38' 56.27" W 098° 17' 47.11"	SUNNY 81° S 18	13:05	NT	NT	NT	1148	125.00	4,390	Baker Residence
04/27/20	04/27/2020 Upper West 3E	N 29° 38' 56.27" W 098° 17' 47.11"	SUNNY 81° S 18	13:05	NT	NT	NT	1148	125.00	3,525	City Property Line
04/27/20	04/27/2020 Upper West 3E	N 29° 38' 56.27" W 098° 17' 47.11"	SUNNY 81° S 18	13:05	0.023	13.2	91	1148	125.00	3,045	Michels - 9118 Tuscan Hills
04/27/20	04/27/2020 Upper West 3E	N 29° 38' 56.27" W 098° 17' 47.11"	SUNNY 81° S 18	13:05	0.025	8.9	89	1148	125.00	3,429	Warden - 21375 Gunther Grove
04/27/20	04/27/2020 Upper West 3E	N 29° 38' 56.27" W 098° 17' 47.11"	SUNNY 81° S 18	13:05	0.035	17.9	105	1148	125.00	3,172	Warden Property Line
04/28/20	04/28/2020 Base Pit N. Wall A	N 29° 38' 19.89" W 098° 17' 8.40"	CLOUDY 81° S 13	12:21	0.033	17.9	89	992	227.00	6,943	Baker Residence
04/28/20	04/28/2020 Base Pit N. Wall A	N 29° 38' 19.89" W 098° 17' 8.40"	CLOUDY 81° S 13	12:21	NT	NT	NT	992	227.00	4,022	City Property Line
04/28/20	04/28/2020 Base Pit N. Wall A	N 29° 38' 19.89" W 098° 17' 8.40"	CLOUDY 81° S 13	12:21	0.115	20.8	106	992	227.00	1,656	Holly - 9916 Trophy Oaks
04/28/20	04/28/2020 Base Pit N. Wall A	N 29° 38' 19.89" W 098° 17' 8.40"	CLOUDY 81° S 13	12:21	NT	NT	NT	992	227.00	6,879	Michels - 9118 Tuscan Hills
04/28/20	04/28/2020 Base Pit N. Wall A	N 29° 38' 19.89" W 098° 17' 8.40"	CLOUDY 81° S 13	12:21	0.083	12.5	105	992	227.00	2,801	Warden - 21375 Gunther Grove
04/29/20	04/29/2020 Legacy A	N 29° 38' 5.71" W 098° 16' 27.18"	SUNNY 79° N 26	12:38	NT	NT	NT	1384	667.00	10,780	Baker Residence
04/29/20	04/29/2020 Legacy A	N 29° 38' 5.71" W 098° 16' 27.18"	SUNNY 79° N 26	12:38	NT	NT	NT	1384	667.00	7,823	City Property Line
04/29/20	04/29/2020 Legacy A	N 29° 38' 5.71" W 098° 16' 27.18"	SUNNY 79° N 26	12:38	0.033	20.8	109	1384	667.00	5,298	Holly - 9916 Trophy Oaks
04/29/20	04/29/2020 Legacy A	N 29° 38' 5.71" W 098° 16' 27.18"	SUNNY 79° N 26	12:38	NT	NT	NT	1384	667.00	10,782	Michels - 9118 Tuscan Hills
04/29/20	04/29/2020 Legacy A	N 29° 38' 5.71" W 098° 16' 27.18"	SUNNY 79° N 26	12:38	0.045	13.2	110	1384	667.00	6,649	Warden - 21375 Gunther Grove

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APRIL 2020**

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
04/30/20	04/30/2020 Base Pit S. Wall A	N 29° 38' 5.10" W 098° 16' 49.46"	SUNNY 77° NE 7	11:01	NT	NT	NT	1137	770.00	8,896	Baker Residence
04/30/20	04/30/2020 Base Pit S. Wall A	N 29° 38' 5.10" W 098° 16' 49.46"	SUNNY 77° NE 7	11:01	NT	NT	NT	1137	770.00	5,937	City Property Line
04/30/20	04/30/2020 Base Pit S. Wall A	N 29° 38' 5.10" W 098° 16' 49.46"	SUNNY 77° NE 7	11:01	0.03	13.2	107	1137	770.00	3,403	Holly - 9916 Trophy Oaks
04/30/20	04/30/2020 Base Pit S. Wall A	N 29° 38' 5.10" W 098° 16' 49.46"	SUNNY 77° NE 7	11:01	NT	NT	NT	1137	770.00	9,034	Michels - 9118 Tuscan Hills
04/30/20	04/30/2020 Base Pit S. Wall A	N 29° 38' 5.10" W 098° 16' 49.46"	SUNNY 77° NE 7	11:01	0.03	8.6	110	1137	770.00	4,807	Warden - 21375 Gunther Grove

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June 3, 2020

VibraTechinc.com

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

Phone 512.442.6464
Fax 512.442.6552

Mr. Mike Shands
Garden Ridge Quarry Commission
9400 Municipal Parkway
Garden Ridge, Texas 78266

Dear Mr. Shands,

Enclosed is the analysis for the blasting conducted during the month of May 2020 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2020 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, Mike Shands at (210) 257-0868, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.

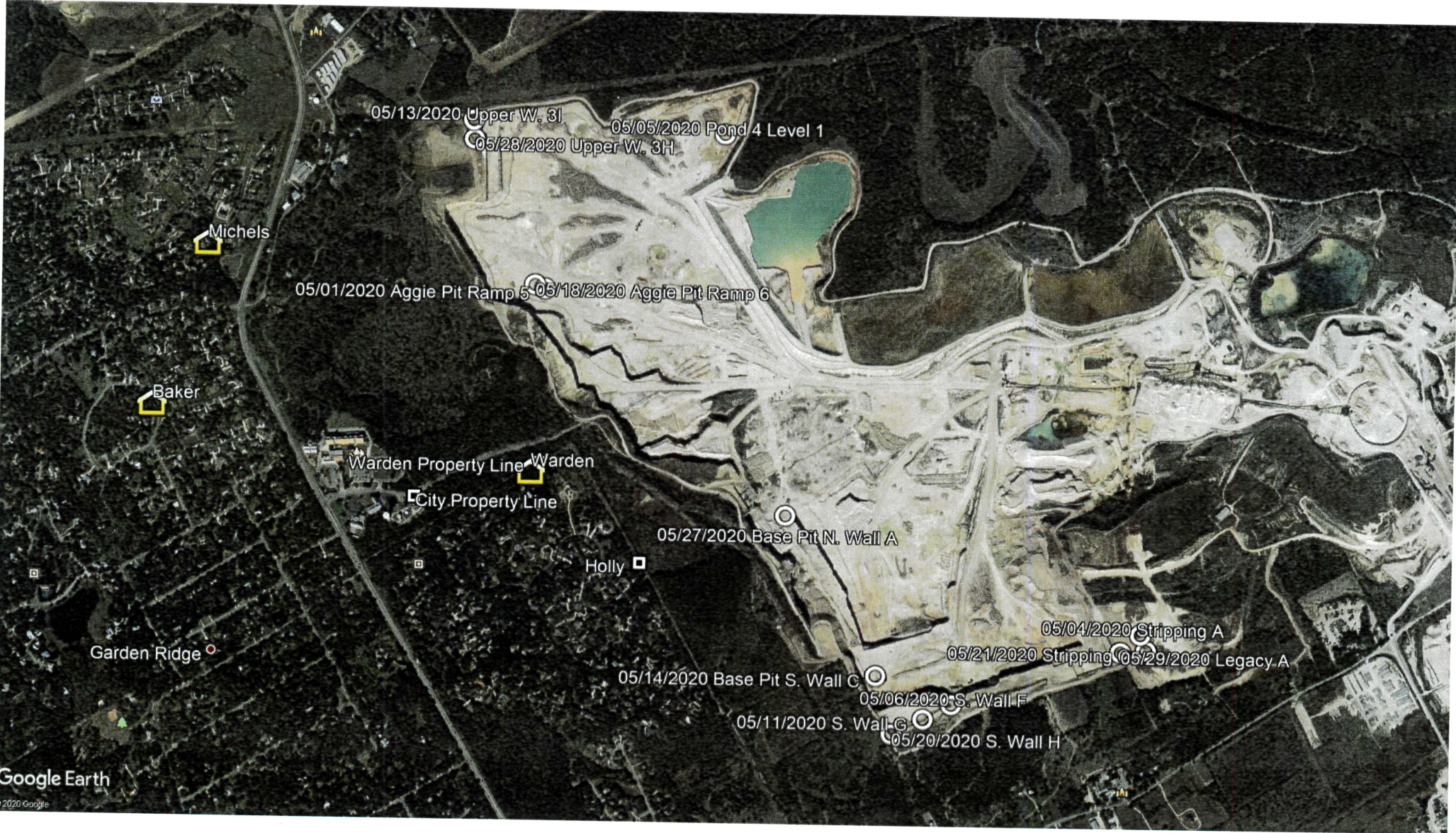
Respectfully submitted,

VIBRA-TECH, INC.



Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex



05/13/2020 Upper W. 3I
05/05/2020 Pond 4 Level 1
05/28/2020 Upper W. 3H

05/01/2020 Aggie Pit Ramp 5
05/18/2020 Aggie Pit Ramp 6

Warden Property Line
Warden
City Property Line

Holly

05/27/2020 Base Pit N. Wall A

05/04/2020 Stripping A

05/21/2020 Stripping
05/29/2020 Legacy A

05/14/2020 Base Pit S. Wall C

05/06/2020 S. Wall F

05/11/2020 S. Wall G

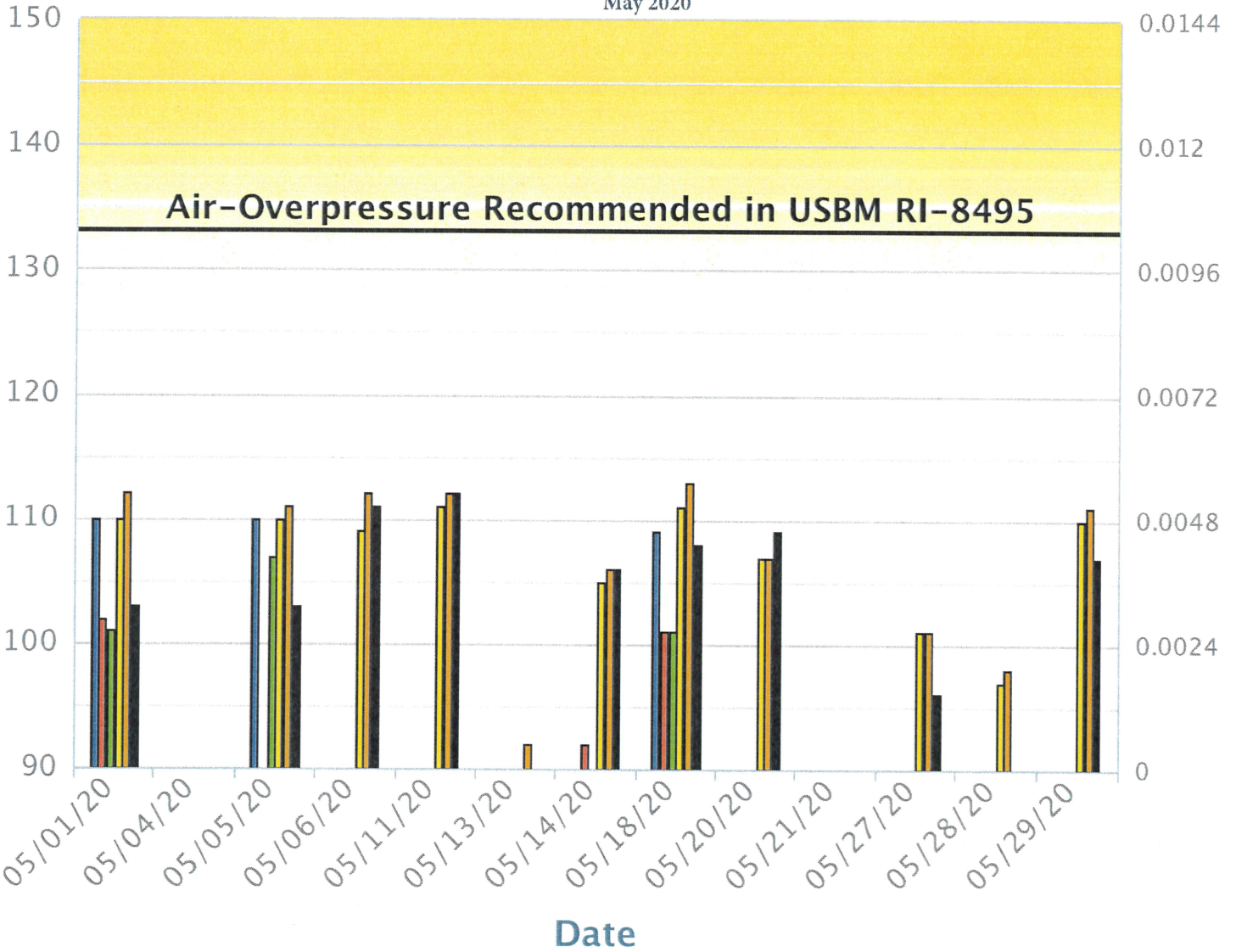
05/20/2020 S. Wall H

Garden Ridge

Google Earth

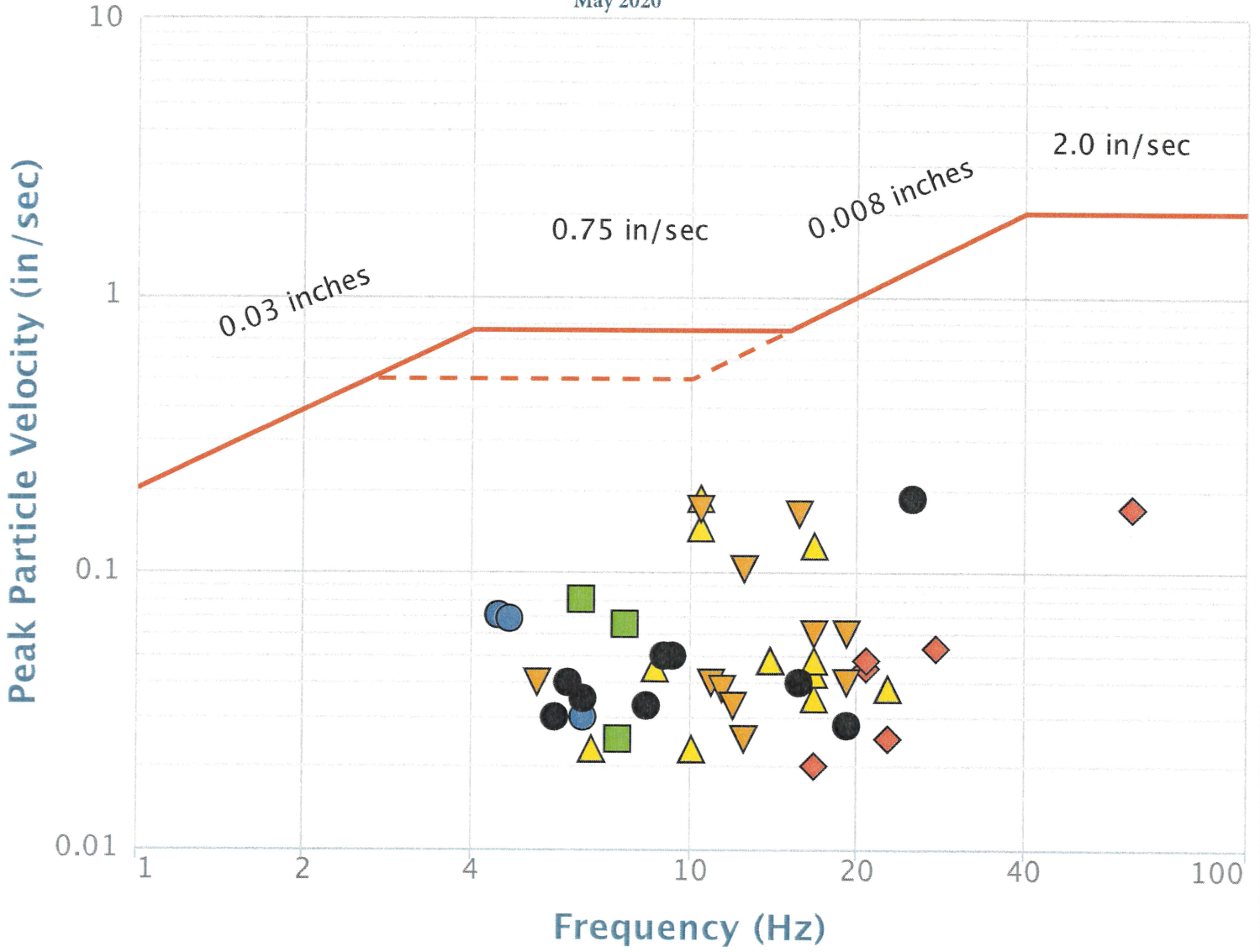
© 2020 Google

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 May 2020



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

Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
May 2020



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MAY 2020**

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
05/01/20	05/01/2020 Aggie Pit Ramp 5	N 29° 38' 44.47" W 098° 17' 38.75"	SUNNY 78° S 13	12:03	0.045	20.8	102	1295	479.00	4,460	Baker Residence
05/01/20	05/01/2020 Aggie Pit Ramp 5	N 29° 38' 44.47" W 098° 17' 38.75"	SUNNY 78° S 13	12:03	0.07	4.5	110	1295	479.00	2,644	City Property Line
05/01/20	05/01/2020 Aggie Pit Ramp 5	N 29° 38' 44.47" W 098° 17' 38.75"	SUNNY 78° S 13	12:03	0.065	7.6	101	1295	479.00	3,642	Michels - 9118 Tuscan Hills
05/01/20	05/01/2020 Aggie Pit Ramp 5	N 29° 38' 44.47" W 098° 17' 38.75"	SUNNY 78° S 13	12:03	0.185	10.4	110	1295	479.00	2,178	Warden - 21375 Gunther Grove
05/01/20	05/01/2020 Aggie Pit Ramp 5	N 29° 38' 44.47" W 098° 17' 38.75"	SUNNY 78° S 13	12:03	0.17	10.4	112	1295	479.00	1,891	Warden Property Line
05/04/20	05/04/2020 Stripping A	N 29° 38' 7.83" W 098° 16' 24.13"	SUNNY 84° S 14	13:03	NT	NT	NT	2984	81.00	10,996	Baker Residence
05/04/20	05/04/2020 Stripping A	N 29° 38' 7.83" W 098° 16' 24.13"	SUNNY 84° S 14	13:03	NT	NT	NT	2984	81.00	8,045	City Property Line
05/04/20	05/04/2020 Stripping A	N 29° 38' 7.83" W 098° 16' 24.13"	SUNNY 84° S 14	13:03	NT	NT	NT	2984	81.00	5,530	Holly - 9916 Trophy Oaks
05/04/20	05/04/2020 Stripping A	N 29° 38' 7.83" W 098° 16' 24.13"	SUNNY 84° S 14	13:03	NT	NT	NT	2984	81.00	10,950	Michels - 9118 Tuscan Hills
05/04/20	05/04/2020 Stripping A	N 29° 38' 7.83" W 098° 16' 24.13"	SUNNY 84° S 14	13:03	NT	NT	NT	2984	81.00	6,857	Warden - 21375 Gunther Grove
05/05/20	05/05/2020 Pond 4 Level 1	N 29° 39' 1.78" W 098° 17' 16.67"	SUNNY 79° E 13	13:41	NT	NT	NT	1359	380.00	6,954	Baker Residence
05/05/20	05/05/2020 Pond 4 Level 1	N 29° 39' 1.78" W 098° 17' 16.67"	SUNNY 79° E 13	13:41	0.03	6.4	110	1359	380.00	5,202	City Property Line
05/05/20	05/05/2020 Pond 4 Level 1	N 29° 39' 1.78" W 098° 17' 16.67"	SUNNY 79° E 13	13:41	0.025	7.4	107	1359	380.00	5,575	Michels - 9118 Tuscan Hills
05/05/20	05/05/2020 Pond 4 Level 1	N 29° 39' 1.78" W 098° 17' 16.67"	SUNNY 79° E 13	13:41	0.045	8.6	110	1359	380.00	4,435	Warden - 21375 Gunther Grove
05/05/20	05/05/2020 Pond 4 Level 1	N 29° 39' 1.78" W 098° 17' 16.67"	SUNNY 79° E 13	13:41	0.04	10.9	111	1359	380.00	4,135	Warden Property Line
05/06/20	05/06/2020 S. Wall F	N 29° 37' 59.94" W 098° 16' 47.56"	CLOUDY 75° NE 12	12:59	NT	NT	NT	1403	680.00	9,214	Baker Residence

NT = No Trigger, <0.020ips.
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MAY 2020**

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
05/06/20	05/06/2020 S. Wall F	N 29° 37' 59.94" W 098° 16' 47.56"	CLOUDY 75° NE 12	12:59	NT	NT	NT	1403	680.00	6,264	City Property Line
05/06/20	05/06/2020 S. Wall F	N 29° 37' 59.94" W 098° 16' 47.56"	CLOUDY 75° NE 12	12:59	0.028	19.2	111	1403	680.00	3,745	Holly - 9916 Trophy Oaks
05/06/20	05/06/2020 S. Wall F	N 29° 37' 59.94" W 098° 16' 47.56"	CLOUDY 75° NE 12	12:59	NT	NT	NT	1403	680.00	9,436	Michels - 9118 Tuscan Hills
05/06/20	05/06/2020 S. Wall F	N 29° 37' 59.94" W 098° 16' 47.56"	CLOUDY 75° NE 12	12:59	0.035	16.7	109	1403	680.00	5,176	Warden - 21375 Gunther Grove
05/11/20	05/11/2020 S. Wall G	N 29° 37' 58.29" W 098° 16' 51.03"	CLOUDY 79° SE 9	13:02	NT	NT	NT	1384	714.00	8,983	Baker Residence
05/11/20	05/11/2020 S. Wall G	N 29° 37' 58.29" W 098° 16' 51.03"	CLOUDY 79° SE 9	13:02	NT	NT	NT	1384	714.00	6,044	City Property Line
05/11/20	05/11/2020 S. Wall G	N 29° 37' 58.29" W 098° 16' 51.03"	CLOUDY 79° SE 9	13:02	0.033	8.3	112	1384	714.00	3,546	Holly - 9916 Trophy Oaks
05/11/20	05/11/2020 S. Wall G	N 29° 37' 58.29" W 098° 16' 51.03"	CLOUDY 79° SE 9	13:02	NT	NT	NT	1384	714.00	9,261	Michels - 9118 Tuscan Hills
05/11/20	05/11/2020 S. Wall G	N 29° 37' 58.29" W 098° 16' 51.03"	CLOUDY 79° SE 9	13:02	0.038	22.7	111	1384	714.00	4,987	Warden - 21375 Gunther Grove
05/13/20	05/13/2020 Upper W. 3I	N 29° 39' 2.68" W 098° 17' 47.79"	SUNNY 88° SW 9	15:41	NT	NT	NT	1192	71.00	4,774	Baker Residence
05/13/20	05/13/2020 Upper W. 3I	N 29° 39' 2.68" W 098° 17' 47.79"	SUNNY 88° SW 9	15:41	NT	NT	NT	1192	71.00	4,159	City Property Line
05/13/20	05/13/2020 Upper W. 3I	N 29° 39' 2.68" W 098° 17' 47.79"	SUNNY 88° SW 9	15:41	NT	NT	NT	1192	71.00	3,251	Michels - 9118 Tuscan Hills
05/13/20	05/13/2020 Upper W. 3I	N 29° 39' 2.68" W 098° 17' 47.79"	SUNNY 88° SW 9	15:41	0.023	6.6	86	1192	71.00	4,079	Warden - 21375 Gunther Grove
05/13/20	05/13/2020 Upper W. 3I	N 29° 39' 2.68" W 098° 17' 47.79"	SUNNY 88° SW 9	15:41	0.033	11.9	92	1192	71.00	3,819	Warden Property Line
05/14/20	05/14/2020 Base Pit S. Wall C	N 29° 38' 2.97" W 098° 16' 57.01"	SUNNY 86° SW 14	15:04	0.02	16.7	92	1270	1252.00	8,327	Baker Residence
05/14/20	05/14/2020 Base Pit S. Wall C	N 29° 38' 2.97" W 098° 16' 57.01"	SUNNY 86° SW 14	15:04	NT	NT	NT	1270	1252.00	5,377	City Property Line

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05/14/20	05/14/2020 Base Pit S. Wall C	N 29° 38' 2.97" W 098° 16' 57.01"	SUNNY 86° SW 14	15:04	0.05	9.3	106	1270	1252.00	2,861	Holly - 9916 Trophy Oaks
05/14/20	05/14/2020 Base Pit S. Wall C	N 29° 38' 2.97" W 098° 16' 57.01"	SUNNY 86° SW 14	15:04	NT	NT	NT	1270	1252.00	8,564	Michels - 9118 Tuscan Hills
05/14/20	05/14/2020 Base Pit S. Wall C	N 29° 38' 2.97" W 098° 16' 57.01"	SUNNY 86° SW 14	15:04	0.043	16.7	105	1270	1252.00	4,296	Warden - 21375 Gunther Grove
05/18/20	05/18/2020 Aggie Pit Ramp 6	N 29° 38' 44.86" W 098° 17' 39.96"	SUNNY 88° SW 14	13:29	0.053	27.8	101	1295	584.00	4,374	Baker Residence
05/18/20	05/18/2020 Aggie Pit Ramp 6	N 29° 38' 44.86" W 098° 17' 39.96"	SUNNY 88° SW 14	13:29	0.068	4.7	109	1295	584.00	2,626	City Property Line
05/18/20	05/18/2020 Aggie Pit Ramp 6	N 29° 38' 44.86" W 098° 17' 39.96"	SUNNY 88° SW 14	13:29	0.08	6.3	101	1295	584.00	3,533	Michels - 9118 Tuscan Hills
05/18/20	05/18/2020 Aggie Pit Ramp 6	N 29° 38' 44.86" W 098° 17' 39.96"	SUNNY 88° SW 14	13:29	0.145	10.4	111	1295	584.00	2,215	Warden - 21375 Gunther Grove
05/18/20	05/18/2020 Aggie Pit Ramp 6	N 29° 38' 44.86" W 098° 17' 39.96"	SUNNY 88° SW 14	13:29	0.163	15.6	113	1295	584.00	1,933	Warden Property Line
05/20/20	05/20/2020 S. Wall H	N 29° 37' 56.61" W 098° 16' 54.94"	SUNNY 85° S 7	13:01	0.025	22.7	90	1232	764.00	8,726	Baker Residence
05/20/20	05/20/2020 S. Wall H	N 29° 37' 56.61" W 098° 16' 54.94"	SUNNY 85° S 7	13:01	NT	NT	NT	1232	764.00	5,804	City Property Line
05/20/20	05/20/2020 S. Wall H	N 29° 37' 56.61" W 098° 16' 54.94"	SUNNY 85° S 7	13:01	0.05	8.9	109	1232	764.00	3,340	Holly - 9916 Trophy Oaks
05/20/20	05/20/2020 S. Wall H	N 29° 37' 56.61" W 098° 16' 54.94"	SUNNY 85° S 7	13:01	NT	NT	NT	1232	764.00	9,067	Michels - 9118 Tuscan Hills
05/20/20	05/20/2020 S. Wall H	N 29° 37' 56.61" W 098° 16' 54.94"	SUNNY 85° S 7	13:01	0.048	16.7	107	1232	764.00	4,786	Warden - 21375 Gunther Grove
05/21/20	05/21/2020 Stripping C	N 29° 38' 6.10" W 098° 16' 23.40"	SUNNY 91° SE 9	14:12	NT	NT	NT	3876	98.00	11,096	Baker Residence
05/21/20	05/21/2020 Stripping C	N 29° 38' 6.10" W 098° 16' 23.40"	SUNNY 91° SE 9	14:12	NT	NT	NT	3876	98.00	8,141	City Property Line
05/21/20	05/21/2020 Stripping C	N 29° 38' 6.10" W 098° 16' 23.40"	SUNNY 91° SE 9	14:12	NT	NT	NT	3876	98.00	5,619	Holly - 9916 Trophy Oaks

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05/21/20	05/21/2020 Stripping C	N 29° 38' 6.10" W 098° 16' 23.40"	SUNNY 91° SE 9	14:12	NT	NT	NT	3876	98.00	11,075	Michels - 9118 Tuscan Hills
05/21/20	05/21/2020 Stripping C	N 29° 38' 6.10" W 098° 16' 23.40"	SUNNY 91° SE 9	14:12	NT	NT	NT	3876	98.00	6,961	Warden - 21375 Gunther Grove
05/27/20	05/27/2020 Base Pit N. Wall A	N 29° 38' 20.20" W 098° 17' 8.47"	PARTLY CLOUDY 82° SW 10	12:53	0.048	20.8	84	832	222.00	6,933	Baker Residence
05/27/20	05/27/2020 Base Pit N. Wall A	N 29° 38' 20.20" W 098° 17' 8.47"	PARTLY CLOUDY 82° SW 10	12:53	NT	NT	NT	832	222.00	4,014	City Property Line
05/27/20	05/27/2020 Base Pit N. Wall A	N 29° 38' 20.20" W 098° 17' 8.47"	PARTLY CLOUDY 82° SW 10	12:53	0.185	25	96	832	222.00	1,660	Holly - 9916 Trophy Oaks
05/27/20	05/27/2020 Base Pit N. Wall A	N 29° 38' 20.20" W 098° 17' 8.47"	PARTLY CLOUDY 82° SW 10	12:53	NT	NT	NT	832	222.00	6,860	Michels - 9118 Tuscan Hills
05/27/20	05/27/2020 Base Pit N. Wall A	N 29° 38' 20.20" W 098° 17' 8.47"	PARTLY CLOUDY 82° SW 10	12:53	0.125	16.7	101	832	222.00	2,792	Warden - 21375 Gunther Grove
05/28/20	05/28/2020 Upper W. 3H	N 29° 39' 0.63" W 098° 17' 47.67"	SUNNY 82° N 1	18:49	NT	NT	NT	1012	60.00	4,638	Baker Residence
05/28/20	05/28/2020 Upper W. 3H	N 29° 39' 0.63" W 098° 17' 47.67"	SUNNY 82° N 1	17:49	NT	NT	NT	1012	60.00	3,954	City Property Line
05/28/20	05/28/2020 Upper W. 3H	N 29° 39' 0.63" W 098° 17' 47.67"	SUNNY 82° N 1	15:49	NT	NT	NT	1012	60.00	3,165	Michels - 9118 Tuscan Hills
05/28/20	05/28/2020 Upper W. 3H	N 29° 39' 0.63" W 098° 17' 47.67"	SUNNY 82° N 1	14:49	0.023	10	97	1012	60.00	3,873	Warden - 21375 Gunther Grove
05/28/20	05/28/2020 Upper W. 3H	N 29° 39' 0.63" W 098° 17' 47.67"	SUNNY 82° N 1	16:49	NT	NT	NT	1012	60.00	3,613	Warden Property Line
05/29/20	05/29/2020 Legacy A	N 29° 38' 5.90" W 098° 16' 26.59"	SUNNY 82° NE 8	13:22	NT	NT	NT	1346	687.00	10,826	Baker Residence
05/29/20	05/29/2020 Legacy A	N 29° 38' 5.90" W 098° 16' 26.59"	SUNNY 82° NE 8	13:22	NT	NT	NT	1346	687.00	7,870	City Property Line
05/29/20	05/29/2020 Legacy A	N 29° 38' 5.90" W 098° 16' 26.59"	SUNNY 82° NE 8	13:22	0.035	6.4	107	1346	687.00	5,346	Holly - 9916 Trophy Oaks
05/29/20	05/29/2020 Legacy A	N 29° 38' 5.90" W 098° 16' 26.59"	SUNNY 82° NE 8	13:22	NT	NT	NT	1346	687.00	10,822	Michels - 9118 Tuscan Hills

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MAY 2020**

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
05/29/20	05/29/2020 Legacy A	N 29° 38' 5.90" W 098° 16' 26.59"	SUNNY 82° NE 8	13:22	0.048	13.9	110	1346	687.00	6,694	Warden - 21375 Gunther Grove

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



July 7, 2020

VibraTechinc.com

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Austin, TX 78741

Phone 512.442.6464
Fax 512.442.6552

Mr. Mike Shands
Garden Ridge Quarry Commission
9400 Municipal Parkway
Garden Ridge, Texas 78266

Dear Mr. Shands,

Enclosed is the analysis for the blasting conducted during the month of June 2020 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2020 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, Mike Shands at (210) 257-0868, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.



VibraTechinc.com

Respectfully submitted,

VIBRA-TECH, INC.

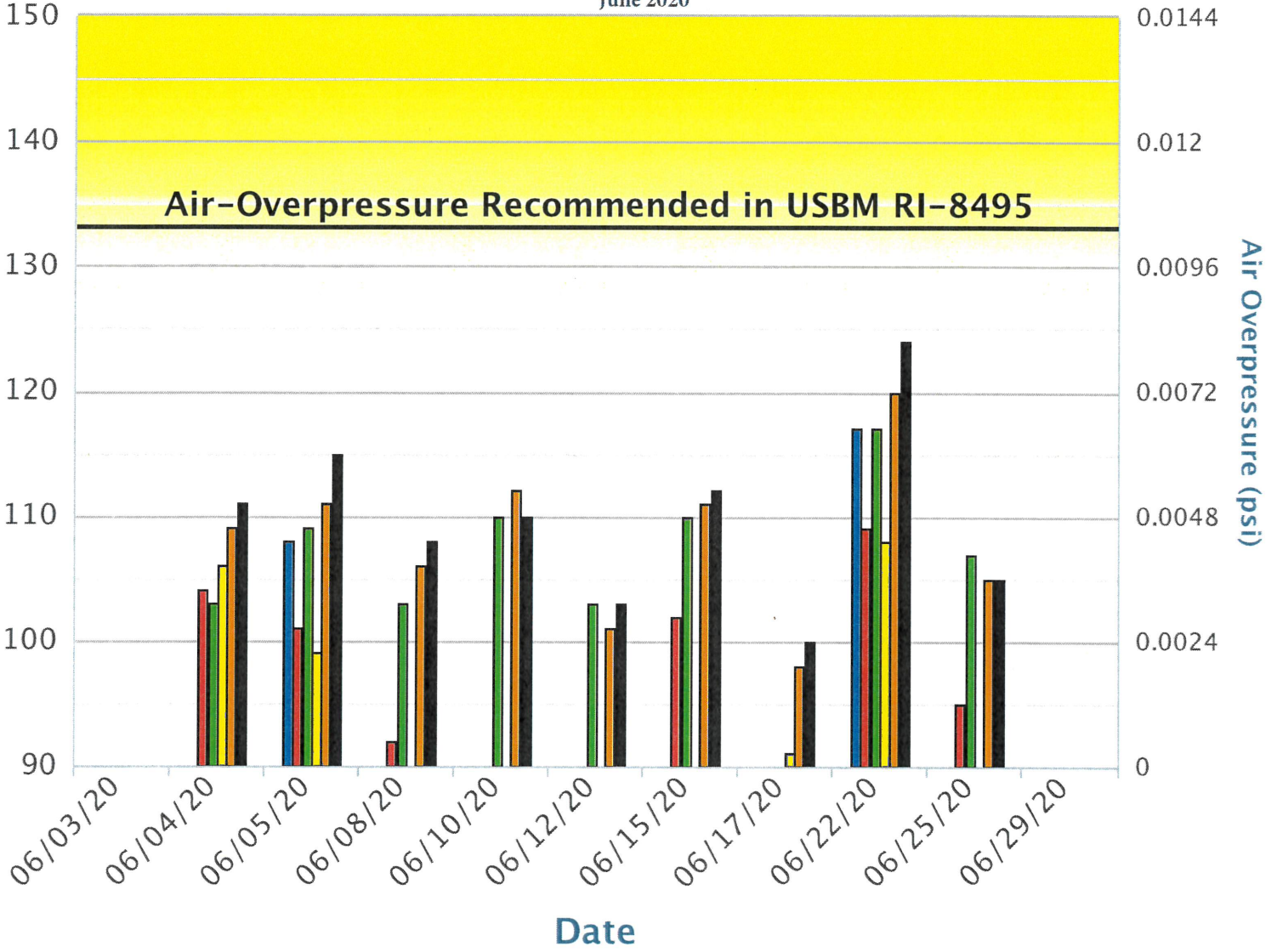
A handwritten signature in black ink, consisting of a large, stylized loop followed by several vertical strokes and a horizontal line at the bottom.

Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex

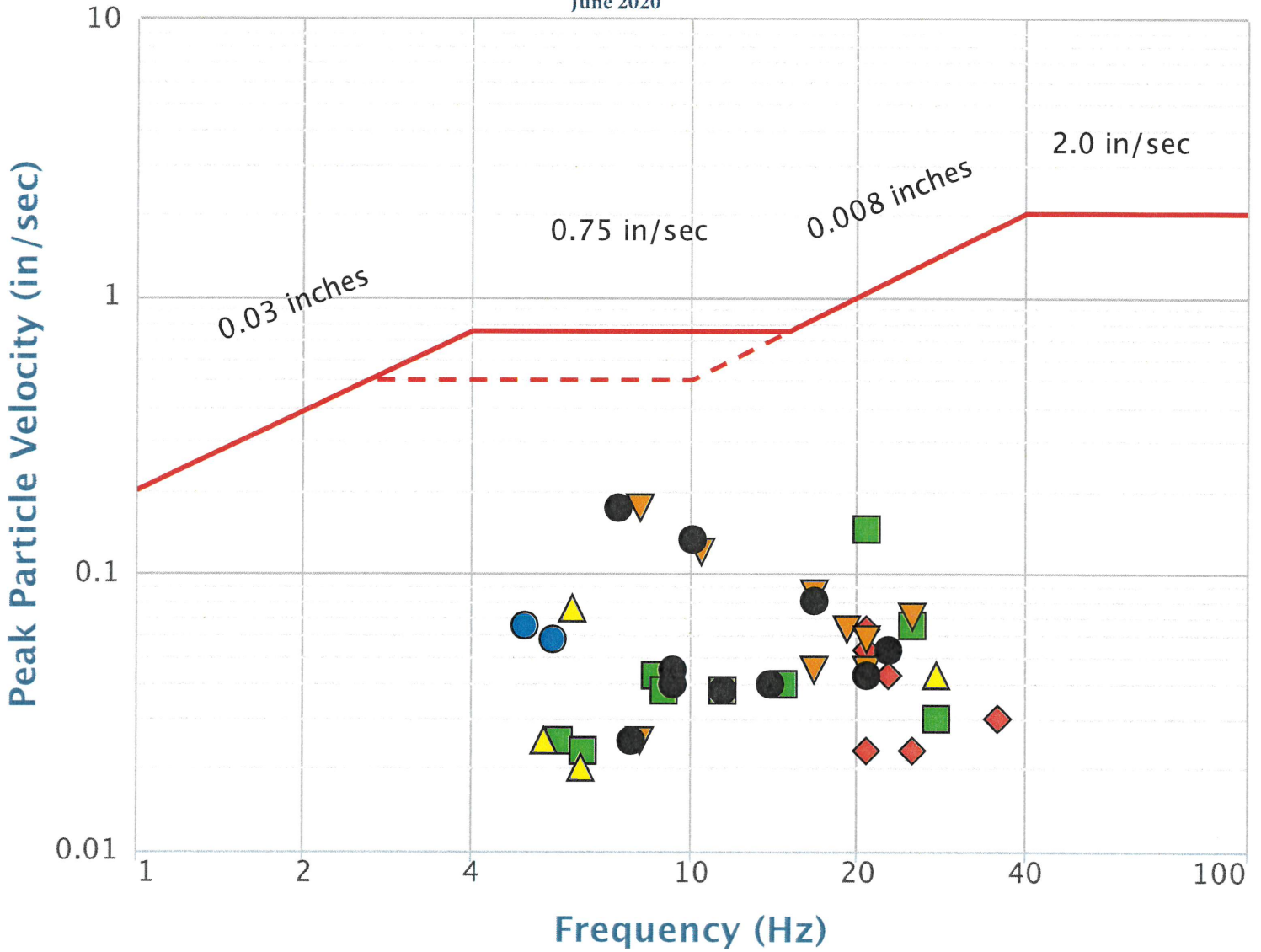


Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 June 2020



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

Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
June 2020



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2020**

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
06/03/20	06/03/2020 Stripping C	N 29° 38' 6.46" W 098° 16' 21.34"	SUNNY 84° SE 5	14:02	NT	NT	NT	2849	73.00	11,265	Baker Residence
06/03/20	06/03/2020 Stripping C	N 29° 38' 6.46" W 098° 16' 21.34"	SUNNY 84° SE 5	14:02	NT	NT	NT	2849	73.00	8,312	City Property Line
06/03/20	06/03/2020 Stripping C	N 29° 38' 6.46" W 098° 16' 21.34"	SUNNY 84° SE 5	14:02	NT	NT	NT	2849	73.00	5,793	Holly - 9916 Trophy Oaks
06/03/20	06/03/2020 Stripping C	N 29° 38' 6.46" W 098° 16' 21.34"	SUNNY 84° SE 5	14:02	NT	NT	NT	2849	73.00	11,230	Michels - 9118 Tuscan Hills
06/03/20	06/03/2020 Stripping C	N 29° 38' 6.46" W 098° 16' 21.34"	SUNNY 84° SE 5	14:02	NT	NT	NT	2849	73.00	7,128	Warden - 21375 Gunther Grove
06/04/20	06/04/2020 Pond Level 1	N 29° 39' 2.92" W 098° 17' 15.99"	CLOUDY 86° S 6	12:49	0.023	25	104	1168	413.00	7,061	Baker Residence
06/04/20	06/04/2020 Pond Level 1	N 29° 39' 2.92" W 098° 17' 15.99"	CLOUDY 86° S 6	12:49	NT	NT	NT	1168	413.00	5,329	City Property Line
06/04/20	06/04/2020 Pond Level 1	N 29° 39' 2.92" W 098° 17' 15.99"	CLOUDY 86° S 6	12:49	0.025	5.4	106	1168	413.00	5,864	Michels - 9118 Tuscan Hills
06/04/20	06/04/2020 Pond Level 1	N 29° 39' 2.92" W 098° 17' 15.99"	CLOUDY 86° S 6	12:49	0.045	16.7	109	1168	413.00	4,565	Warden - 21375 Gunther Grove
06/04/20	06/04/2020 Pond Level 1	N 29° 39' 2.92" W 098° 17' 15.99"	CLOUDY 86° S 6	12:49	0.04	9.3	111	1168	413.00	4,265	Warden Property Line
06/05/20	06/05/2020 Aggie Pit	N 29° 38' 45.18" W 098° 17' 41.16"	PARTLY CLOUDY 84° SW 6	12:15	0.043	22.7	101	1295	717.00	4,287	Baker Residence
06/05/20	06/05/2020 Aggie Pit	N 29° 38' 45.18" W 098° 17' 41.16"	PARTLY CLOUDY 84° SW 6	12:15	0.058	5.6	108	1295	717.00	2,607	City Property Line
06/05/20	06/05/2020 Aggie Pit	N 29° 38' 45.18" W 098° 17' 41.16"	PARTLY CLOUDY 84° SW 6	12:15	0.075	6.1	99	1295	717.00	3,426	Michels - 9118 Tuscan Hills
06/05/20	06/05/2020 Aggie Pit	N 29° 38' 45.18" W 098° 17' 41.16"	PARTLY CLOUDY 84° SW 6	12:15	0.173	8.1	111	1295	717.00	2,250	Warden - 21375 Gunther Grove
06/05/20	06/05/2020 Aggie Pit	N 29° 38' 45.18" W 098° 17' 41.16"	PARTLY CLOUDY 84° SW 6	12:15	0.173	7.4	115	1295	717.00	1,974	Warden Property Line
06/08/20	06/08/2020 Base Pit E. A	N 29° 38' 9.39" W 098° 16' 46.64"	SUNNY 92° SW 7	11:58	0.023	25	92	1194	670.00	9,026	Baker Residence

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2020**

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
06/08/20	06/08/2020 Base Pit E. A	N 29° 38' 9.39" W 098° 16' 46.64"	SUNNY 92° SW 7	11:58	NT	NT	NT	1194	670.00	6,069	City Property Line
06/08/20	06/08/2020 Base Pit E. A	N 29° 38' 9.39" W 098° 16' 46.64"	SUNNY 92° SW 7	11:58	0.065	25	103	1194	670.00	3,545	Holly - 9916 Trophy Oaks
06/08/20	06/08/2020 Base Pit E. A	N 29° 38' 9.39" W 098° 16' 46.64"	SUNNY 92° SW 7	11:58	NT	NT	NT	1194	670.00	9,063	Michels - 9118 Tuscan Hills
06/08/20	06/08/2020 Base Pit E. A	N 29° 38' 9.39" W 098° 16' 46.64"	SUNNY 92° SW 7	11:58	0.045	20.8	106	1194	670.00	4,898	Warden - 21375 Gunther Grove
06/10/20	06/10/2020 Legacy A	N 29° 38' 5.98" W 098° 16' 25.87"	SUNNY 84° NE 10	13:26	NT	NT	NT	1308	675.00	10,886	Baker Residence
06/10/20	06/10/2020 Legacy A	N 29° 38' 5.98" W 098° 16' 25.87"	SUNNY 84° NE 10	13:26	NT	NT	NT	1308	675.00	7,930	City Property Line
06/10/20	06/10/2020 Legacy A	N 29° 38' 5.98" W 098° 16' 25.87"	SUNNY 84° NE 10	13:26	0.023	6.4	110	1308	675.00	5,407	Holly - 9916 Trophy Oaks
06/10/20	06/10/2020 Legacy A	N 29° 38' 5.98" W 098° 16' 25.87"	SUNNY 84° NE 10	13:26	NT	NT	NT	1308	675.00	10,878	Michels - 9118 Tuscan Hills
06/10/20	06/10/2020 Legacy A	N 29° 38' 5.98" W 098° 16' 25.87"	SUNNY 84° NE 10	13:26	0.045	16.7	112	1308	675.00	6,753	Warden - 21375 Gunther Grove
06/12/20	06/12/2020 Base Pit N. Wall A	N 29° 38' 20.42" W 098° 17' 8.76"	SUNNY 84° NE 8	12:24	0.053	20.8	87	720	259.00	6,904	Baker Residence
06/12/20	06/12/2020 Base Pit N. Wall A	N 29° 38' 20.42" W 098° 17' 8.76"	SUNNY 84° NE 8	12:24	NT	NT	NT	720	259.00	3,988	City Property Line
06/12/20	06/12/2020 Base Pit N. Wall A	N 29° 38' 20.42" W 098° 17' 8.76"	SUNNY 84° NE 8	12:24	0.145	20.8	103	720	259.00	1,643	Holly - 9916 Trophy Oaks
06/12/20	06/12/2020 Base Pit N. Wall A	N 29° 38' 20.42" W 098° 17' 8.76"	SUNNY 84° NE 8	12:24	NT	NT	NT	720	259.00	6,828	Michels - 9118 Tuscan Hills
06/12/20	06/12/2020 Base Pit N. Wall A	N 29° 38' 20.42" W 098° 17' 8.76"	SUNNY 84° NE 8	12:24	0.085	16.7	101	720	259.00	2,764	Warden - 21375 Gunther Grove
06/15/20	06/15/2020 S. Wall E	N 29° 37' 57.66" W 098° 16' 51.21"	CLOUDY 83° NE 8	12:15	0.023	20.8	102	1346	825.00	8,991	Baker Residence
06/15/20	06/15/2020 S. Wall E	N 29° 37' 57.66" W 098° 16' 51.21"	CLOUDY 83° NE 8	12:15	NT	NT	NT	1346	825.00	6,056	City Property Line

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2020**

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
06/15/20	06/15/2020 S. Wall E	N 29° 37' 57.66" W 098° 16' 51.21"	CLOUDY 83° NE 8	12:15	0.04	14.7	110	1346	825.00	3,563	Holly - 9916 Trophy Oaks
06/15/20	06/15/2020 S. Wall E	N 29° 37' 57.66" W 098° 16' 51.21"	CLOUDY 83° NE 8	12:15	NT	NT	NT	1346	825.00	9,282	Michels - 9118 Tuscan Hills
06/15/20	06/15/2020 S. Wall E	N 29° 37' 57.66" W 098° 16' 51.21"	CLOUDY 83° NE 8	12:15	0.063	19.2	111	1346	825.00	5,006	Warden - 21375 Gunther Grove
06/17/20	06/17/2020 Pond 4 Level 1 W. A	N 29° 38' 58.75" W 098° 17' 19.40"	CLOUDY 79° SE 9	11:37	0.03	35.7	86	884	211.00	6,599	Baker Residence
06/17/20	06/17/2020 Pond 4 Level 1 W. A	N 29° 38' 58.75" W 098° 17' 19.40"	CLOUDY 79° SE 9	11:37	NT	NT	NT	884	211.00	4,812	City Property Line
06/17/20	06/17/2020 Pond 4 Level 1 W. A	N 29° 38' 58.75" W 098° 17' 19.40"	CLOUDY 79° SE 9	11:37	0.02	6.3	91	884	211.00	5,468	Michels - 9118 Tuscan Hills
06/17/20	06/17/2020 Pond 4 Level 1 W. A	N 29° 38' 58.75" W 098° 17' 19.40"	CLOUDY 79° SE 9	11:37	0.07	25	98	884	211.00	4,052	Warden - 21375 Gunther Grove
06/17/20	06/17/2020 Pond 4 Level 1 W. A	N 29° 38' 58.75" W 098° 17' 19.40"	CLOUDY 79° SE 9	11:37	0.045	9.3	100	884	211.00	3,751	Warden Property Line
06/22/20	06/22/2020 Aggie Pit N. A	N 29° 38' 46.71" W 098° 17' 40.61"	PARTLY CLOUDY 92° NE 9	14:03	0.063	20.8	109	1295	874.00	4,391	Baker Residence
06/22/20	06/22/2020 Aggie Pit N. A	N 29° 38' 46.71" W 098° 17' 40.61"	PARTLY CLOUDY 92° NE 9	14:03	0.065	5	117	1295	874.00	2,768	City Property Line
06/22/20	06/22/2020 Aggie Pit N. A	N 29° 38' 46.71" W 098° 17' 40.61"	PARTLY CLOUDY 92° NE 9	14:03	0.038	11.4	117	1295	874.00	3,444	Holly - 9916 Trophy Oaks
06/22/20	06/22/2020 Aggie Pit N. A	N 29° 38' 46.71" W 098° 17' 40.61"	PARTLY CLOUDY 92° NE 9	14:03	0.043	27.8	108	1295	874.00	3,469	Michels - 9118 Tuscan Hills
06/22/20	06/22/2020 Aggie Pit N. A	N 29° 38' 46.71" W 098° 17' 40.61"	PARTLY CLOUDY 92° NE 9	14:03	0.12	10.4	120	1295	874.00	2,403	Warden - 21375 Gunther Grove
06/25/20	06/25/2020 S. Wall F	N 29° 37' 56.40" W 098° 16' 54.66"	PARTLY CLOUDY 90° S 10	14:11	0.023	25	95	1156	694.00	8,757	Baker Residence
06/25/20	06/25/2020 S. Wall F	N 29° 37' 56.40" W 098° 16' 54.66"	PARTLY CLOUDY 90° S 10	14:11	NT	NT	NT	1156	694.00	5,835	City Property Line
06/25/20	06/25/2020 S. Wall F	N 29° 37' 56.40" W 098° 16' 54.66"	PARTLY CLOUDY 90° S 10	14:11	0.038	8.9	107	1156	694.00	3,372	Holly - 9916 Trophy Oaks

NT = No Trigger, <0.020ips.
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**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2020**

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
06/25/20	06/25/2020 S. Wall F	N 29° 37' 56.40" W 098° 16' 54.66"	PARTLY CLOUDY 90° S 10	14:11	NT	NT	NT	1156	694.00	9,099	Michels - 9118 Tuscan Hills
06/25/20	06/25/2020 S. Wall F	N 29° 37' 56.40" W 098° 16' 54.66"	PARTLY CLOUDY 90° S 10	14:11	0.058	20.8	105	1156	694.00	4,818	Warden - 21375 Gunther Grove
06/29/20	06/29/2020 Upper W. 3G	N 29° 38' 58.60" W 098° 17' 47.64"	CLOUDY 90° S 32	13:16	NT	NT	NT	1124	92.00	4,504	Baker Residence
06/29/20	06/29/2020 Upper W. 3G	N 29° 38' 58.60" W 098° 17' 47.64"	CLOUDY 90° S 32	13:16	NT	NT	NT	1124	92.00	3,751	City Property Line
06/29/20	06/29/2020 Upper W. 3G	N 29° 38' 58.60" W 098° 17' 47.64"	CLOUDY 90° S 32	13:16	NT	NT	NT	1124	92.00	3,083	Michels - 9118 Tuscan Hills
06/29/20	06/29/2020 Upper W. 3G	N 29° 38' 58.60" W 098° 17' 47.64"	CLOUDY 90° S 32	13:16	0.025	8.1	86	1124	92.00	3,670	Warden - 21375 Gunther Grove
06/29/20	06/29/2020 Upper W. 3G	N 29° 38' 58.60" W 098° 17' 47.64"	CLOUDY 90° S 32	13:16	0.025	7.8	90	1124	92.00	3,412	Warden Property Line

NT = No Trigger, <0.020ips.
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Vibra-Tech

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August 5, 2020

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 July 2020 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2020 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) 257-0868, or attend the Quarry Commission meeting held every other month (odd months) at 6:00 PM.



Vibra-Tech

VibraTechinc.com

Respectfully submitted,

VIBRA-TECH, INC.

Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex



07/09/2020 Pond 4 Level 1

07/16/2020 Pond Level 1 W. A

07/20/2020 Aggie Pit North A

07/14/2020 Aggie Pit West A

Warden Property Line

Warden

City Property Line

07/24/2020 Base Pit N. Wall A

07/01/2020 Base Pit N. Wall A

Holly

07/23/2020 Legacy A

07/02/2020 Legacy A

07/31/2020 Base Pit S. Wall A

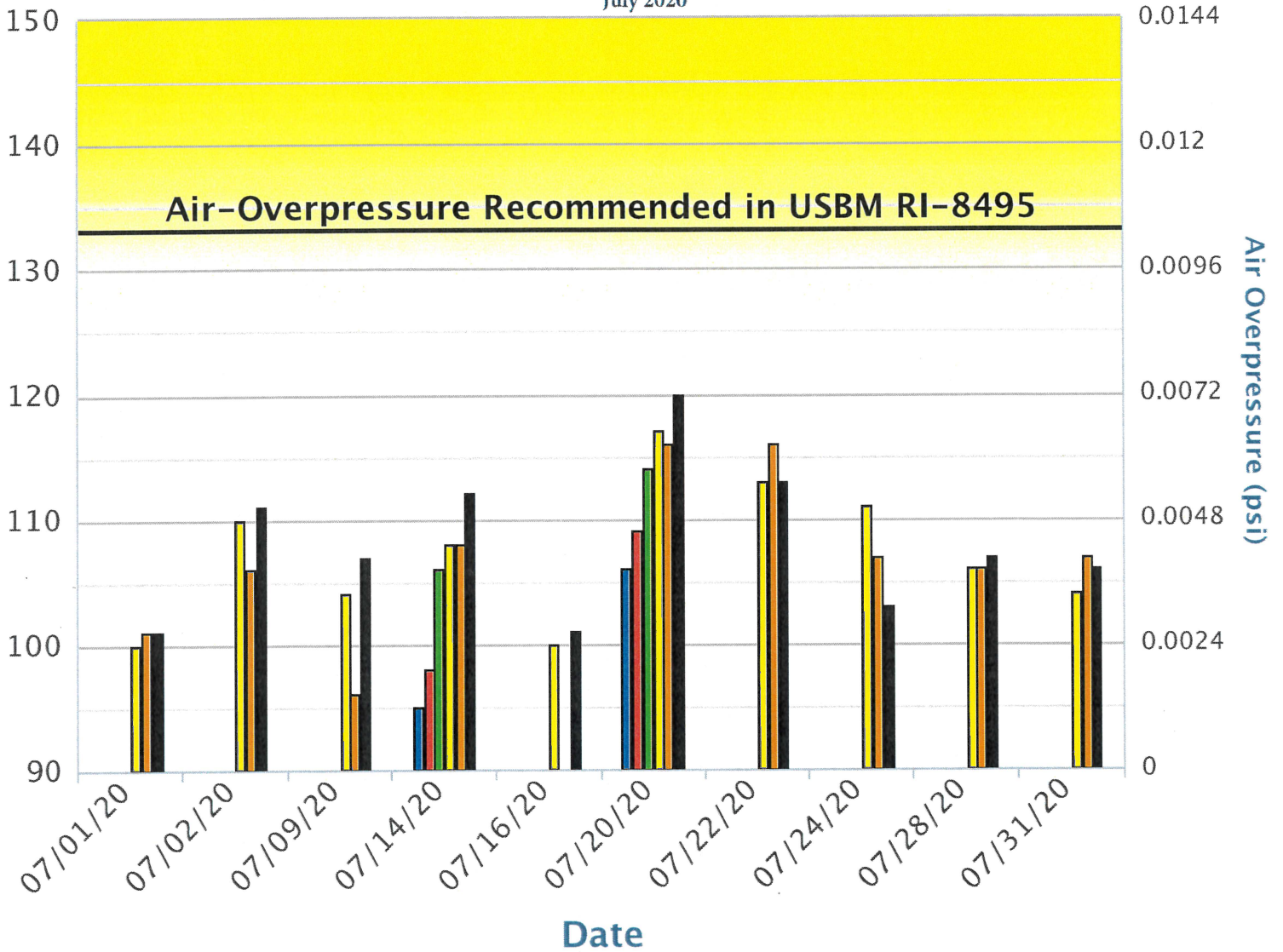
07/22/2020 S. Wall F

Google Earth

© 2020 Google

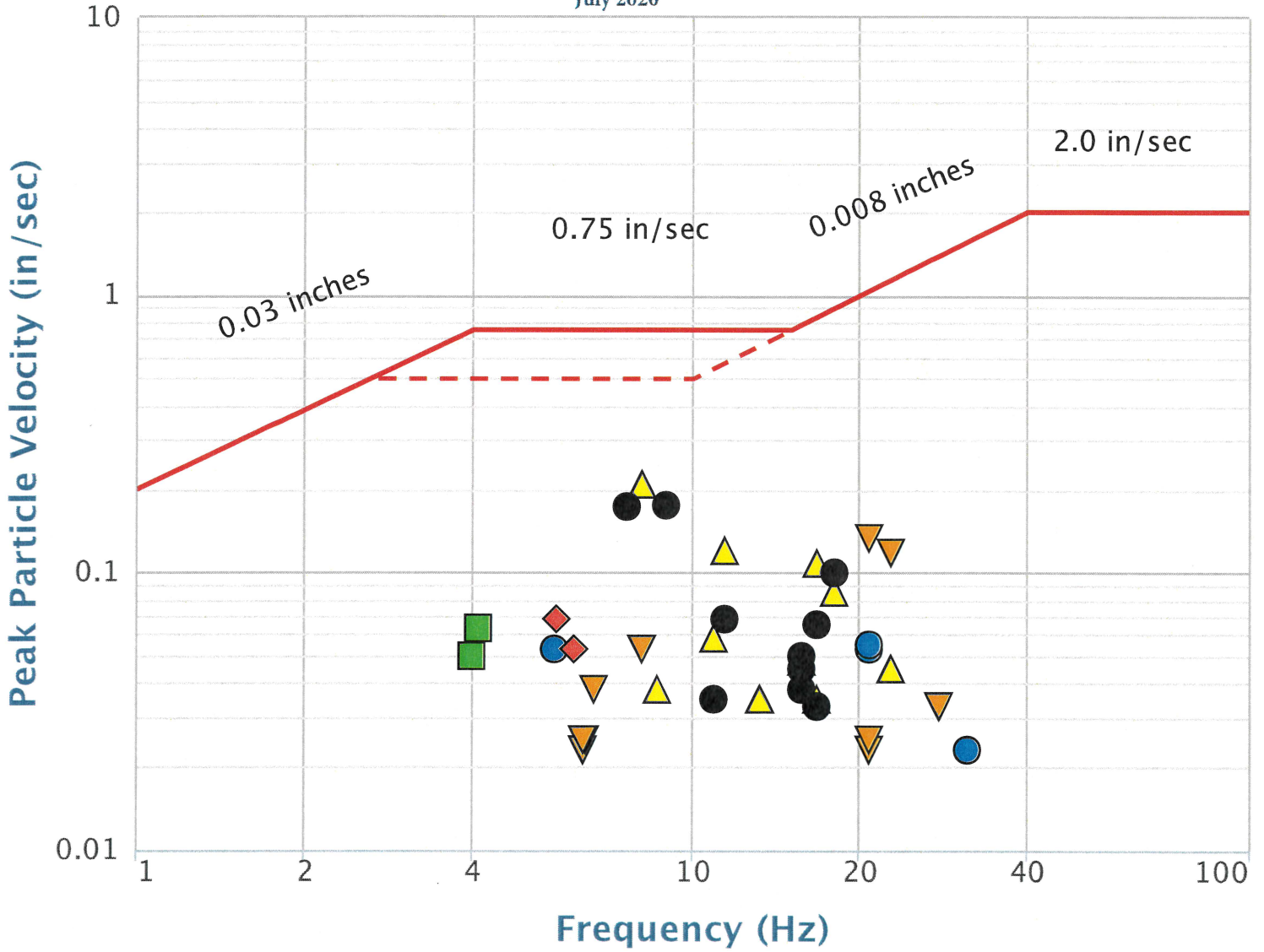
1337

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 July 2020



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

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 USBM Graph
 July 2020



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JULY 2020**

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
07/01/20	07/01/2020 Base Pit N. Wall A	N 29° 38' 20.69" W 098° 17' 8.94"	PARTLY CLOUDY 90° S 15	13:12	0.053	20.8	82	848	247.00	6,885	Baker Residence
07/01/20	07/01/2020 Base Pit N. Wall A	N 29° 38' 20.69" W 098° 17' 8.94"	PARTLY CLOUDY 90° S 15	13:12	NT	NT	NT	848	247.00	3,971	City Property Line
07/01/20	07/01/2020 Base Pit N. Wall A	N 29° 38' 20.69" W 098° 17' 8.94"	PARTLY CLOUDY 90° S 15	13:12	0.133	20.8	101	848	247.00	1,637	Holly - 9916 Trophy Oaks
07/01/20	07/01/2020 Base Pit N. Wall A	N 29° 38' 20.69" W 098° 17' 8.94"	PARTLY CLOUDY 90° S 15	13:12	NT	NT	NT	848	247.00	6,803	Michels - 9118 Tuscan Hills
07/01/20	07/01/2020 Base Pit N. Wall A	N 29° 38' 20.69" W 098° 17' 8.94"	PARTLY CLOUDY 90° S 15	13:12	0.085	17.9	100	848	247.00	2,746	Warden - 21375 Gunther Grove
07/02/20	07/02/2020 Legacy A	N 29° 38' 6.18" W 098° 16' 25.29"	SUNNY 93° S 13	13:08	NT	NT	NT	1308	649.00	10,931	Baker Residence
07/02/20	07/02/2020 Legacy A	N 29° 38' 6.18" W 098° 16' 25.29"	SUNNY 93° S 13	13:08	NT	NT	NT	1308	649.00	7,976	City Property Line
07/02/20	07/02/2020 Legacy A	N 29° 38' 6.18" W 098° 16' 25.29"	SUNNY 93° S 13	13:08	0.023	20.8	106	1308	649.00	5,454	Holly - 9916 Trophy Oaks
07/02/20	07/02/2020 Legacy A	N 29° 38' 6.18" W 098° 16' 25.29"	SUNNY 93° S 13	13:08	NT	NT	NT	1308	649.00	10,917	Michels - 9118 Tuscan Hills
07/02/20	07/02/2020 Legacy A	N 29° 38' 6.18" W 098° 16' 25.29"	SUNNY 93° S 13	13:08	0.035	13.2	110	1308	649.00	6,798	Warden - 21375 Gunther Grove
07/09/20	07/09/2020 Pond 4 Level 1	N 29° 39' 3.49" W 098° 17' 15.72"	PARTLY CLOUDY 90° SW 12	13:21	NT	NT	NT	1550	453.00	7,110	Baker Residence
07/09/20	07/09/2020 Pond 4 Level 1	N 29° 39' 3.49" W 098° 17' 15.72"	PARTLY CLOUDY 90° SW 12	13:21	NT	NT	NT	1550	453.00	5,389	City Property Line
07/09/20	07/09/2020 Pond 4 Level 1	N 29° 39' 3.49" W 098° 17' 15.72"	PARTLY CLOUDY 90° SW 12	13:21	0.023	6.3	96	1550	453.00	4,996	Holly - 9916 Trophy Oaks
07/09/20	07/09/2020 Pond 4 Level 1	N 29° 39' 3.49" W 098° 17' 15.72"	PARTLY CLOUDY 90° SW 12	13:21	NT	NT	NT	1550	453.00	5,903	Michels - 9118 Tuscan Hills
07/09/20	07/09/2020 Pond 4 Level 1	N 29° 39' 3.49" W 098° 17' 15.72"	PARTLY CLOUDY 90° SW 12	13:21	0.045	22.7	104	1550	453.00	4,627	Warden - 21375 Gunther Grove
07/14/20	07/14/2020 Aggie Pit West A	N 29° 38' 45.33" W 098° 17' 42.30"	SUNNY 98° SW 15	13:13	0.053	20.8	95	1112	872.00	4,199	Baker Residence

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JULY 2020**

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
07/14/20	07/14/2020 Aggie Pit West A	N 29° 38' 45.33" W 098° 17' 42.30"	SUNNY 98° SW 15	13:13	0.05	4	106	1112	872.00	2,579	City Property Line
07/14/20	07/14/2020 Aggie Pit West A	N 29° 38' 45.33" W 098° 17' 42.30"	SUNNY 98° SW 15	13:13	0.053	6.1	98	1112	872.00	3,325	Michels - 9118 Tuscan Hills
07/14/20	07/14/2020 Aggie Pit West A	N 29° 38' 45.33" W 098° 17' 42.30"	SUNNY 98° SW 15	13:13	0.208	8.1	108	1112	872.00	2,272	Warden - 21375 Gunther Grove
07/14/20	07/14/2020 Aggie Pit West A	N 29° 38' 45.33" W 098° 17' 42.30"	SUNNY 98° SW 15	13:13	0.173	7.6	112	1112	872.00	2,002	Warden Property Line
07/16/20	07/16/2020 Pond Level 1 W. A	N 29° 38' 58.98" W 098° 17' 19.92"	SUNNY 91° SE 8	12:11	0.023	31.3	87	940	368.00	6,569	Baker Residence
07/16/20	07/16/2020 Pond Level 1 W. A	N 29° 38' 58.98" W 098° 17' 19.92"	SUNNY 91° SE 8	12:11	NT	NT	NT	940	368.00	4,801	City Property Line
07/16/20	07/16/2020 Pond Level 1 W. A	N 29° 38' 58.98" W 098° 17' 19.92"	SUNNY 91° SE 8	12:11	NT	NT	NT	940	368.00	5,429	Michels - 9118 Tuscan Hills
07/16/20	07/16/2020 Pond Level 1 W. A	N 29° 38' 58.98" W 098° 17' 19.92"	SUNNY 91° SE 8	12:11	0.058	10.9	100	940	368.00	4,052	Warden - 21375 Gunther Grove
07/16/20	07/16/2020 Pond Level 1 W. A	N 29° 38' 58.98" W 098° 17' 19.92"	SUNNY 91° SE 8	12:11	0.068	11.4	101	940	368.00	3,751	Warden Property Line
07/20/20	07/20/2020 Aggie Pit North A	N 29° 38' 47.59" W 098° 17' 40.26"	PARTLY CLOUDY 88° SW 4	13:21	NT	NT	NT	1295	709.00	4,455	Baker Residence
07/20/20	07/20/2020 Aggie Pit North A	N 29° 38' 47.59" W 098° 17' 40.26"	PARTLY CLOUDY 88° SW 4	13:21	0.063	4.1	114	1295	709.00	2,862	City Property Line
07/20/20	07/20/2020 Aggie Pit North A	N 29° 38' 47.59" W 098° 17' 40.26"	PARTLY CLOUDY 88° SW 4	13:21	0.068	5.7	109	1295	709.00	3,500	Michels - 9118 Tuscan Hills
07/20/20	07/20/2020 Aggie Pit North A	N 29° 38' 47.59" W 098° 17' 40.26"	PARTLY CLOUDY 88° SW 4	13:21	0.12	11.4	117	1295	709.00	2,492	Warden - 21375 Gunther Grove
07/20/20	07/20/2020 Aggie Pit North A	N 29° 38' 47.59" W 098° 17' 40.26"	PARTLY CLOUDY 88° SW 4	13:21	0.175	8.9	120	1295	709.00	2,211	Warden Property Line
07/22/20	07/22/2020 S. Wall F	N 29° 37' 57.04" W 098° 16' 50.99"	PARTLY CLOUDY 102° SW 8	13:33	NT	NT	NT	1156	801.00	9,032	Baker Residence
07/22/20	07/22/2020 S. Wall F	N 29° 37' 57.04" W 098° 16' 50.99"	PARTLY CLOUDY 102° SW 8	13:33	NT	NT	NT	1156	801.00	6,099	City Property Line

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**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JULY 2020**

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
07/22/20	07/22/2020 S. Wall F	N 29° 37' 57.04" W 098° 16' 50.99"	PARTLY CLOUDY 102° SW 8	13:33	0.025	6.4	116	1156	801.00	3,611	Holly - 9916 Trophy Oaks
07/22/20	07/22/2020 S. Wall F	N 29° 37' 57.04" W 098° 16' 50.99"	PARTLY CLOUDY 102° SW 8	13:33	NT	NT	NT	1156	801.00	9,332	Michels - 9118 Tuscan Hills
07/22/20	07/22/2020 S. Wall F	N 29° 37' 57.04" W 098° 16' 50.99"	PARTLY CLOUDY 102° SW 8	13:33	0.035	16.7	113	1156	801.00	5,055	Warden - 21375 Gunther Grove
07/24/20	07/24/2020 Base Pit N. Wall A	N 29° 38' 20.91" W 098° 17' 9.10"	CLEAR 96° NE 13	13:30	0.055	20.8	89	1040	210.00	6,868	Baker Residence
07/24/20	07/24/2020 Base Pit N. Wall A	N 29° 38' 20.91" W 098° 17' 9.10"	CLEAR 96° NE 13	13:30	NT	NT	NT	1040	210.00	3,956	City Property Line
07/24/20	07/24/2020 Base Pit N. Wall A	N 29° 38' 20.91" W 098° 17' 9.10"	CLEAR 96° NE 13	13:30	0.118	22.7	107	1040	210.00	1,632	Holly - 9916 Trophy Oaks
07/24/20	07/24/2020 Base Pit N. Wall A	N 29° 38' 20.91" W 098° 17' 9.10"	CLEAR 96° NE 13	13:30	NT	NT	NT	1040	210.00	6,781	Michels - 9118 Tuscan Hills
07/24/20	07/24/2020 Base Pit N. Wall A	N 29° 38' 20.91" W 098° 17' 9.10"	CLEAR 96° NE 13	13:30	0.108	16.7	111	1040	210.00	2,730	Warden - 21375 Gunther Grove
07/28/20	07/28/2020 Legacy A	N 29° 38' 6.45" W 098° 16' 24.67"	PARTLY CLOUDY 91° S 9	13:32	NT	NT	NT	1270	643.00	10,979	Baker Residence
07/28/20	07/28/2020 Legacy A	N 29° 38' 6.45" W 098° 16' 24.67"	PARTLY CLOUDY 91° S 9	13:32	NT	NT	NT	1270	643.00	8,024	City Property Line
07/28/20	07/28/2020 Legacy A	N 29° 38' 6.45" W 098° 16' 24.67"	PARTLY CLOUDY 91° S 9	13:32	0.025	6.3	106	1270	643.00	5,503	Holly - 9916 Trophy Oaks
07/28/20	07/28/2020 Legacy A	N 29° 38' 6.45" W 098° 16' 24.67"	PARTLY CLOUDY 91° S 9	13:32	NT	NT	NT	1270	643.00	10,958	Michels - 9118 Tuscan Hills
07/28/20	07/28/2020 Legacy A	N 29° 38' 6.45" W 098° 16' 24.67"	PARTLY CLOUDY 91° S 9	13:32	0.048	15.6	106	1270	643.00	6,844	Warden - 21375 Gunther Grove
07/31/20	07/31/2020 Base Pit S. Wall A	N 29° 38' 4.08" W 098° 16' 51.68"	PARTLY CLOUDY 91° W 3	13:22	NT	NT	NT	1422	737.00	8,738	Baker Residence
07/31/20	07/31/2020 Base Pit S. Wall A	N 29° 38' 4.08" W 098° 16' 51.68"	PARTLY CLOUDY 91° W 3	13:22	NT	NT	NT	1422	737.00	5,782	City Property Line
07/31/20	07/31/2020 Base Pit S. Wall A	N 29° 38' 4.08" W 098° 16' 51.68"	PARTLY CLOUDY 91° W 3	13:22	0.025	20.8	107	1422	737.00	3,251	Holly - 9916 Trophy Oaks

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**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JULY 2020**

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
07/31/20	07/31/2020 Base Pit S. Wall A	N 29° 38' 4.08" W 098° 16' 51.68"	PARTLY CLOUDY 91° W 3	13:22	NT	NT	NT	1422	737.00	8,912	Michels - 9118 Tuscan Hills
07/31/20	07/31/2020 Base Pit S. Wall A	N 29° 38' 4.08" W 098° 16' 51.68"	PARTLY CLOUDY 91° W 3	13:22	0.038	8.6	104	1422	737.00	4,668	Warden - 21375 Gunther Grove

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September 4, 2020

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 August 2020 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2020 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) 257-0868, 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



08/12/2020 Upper W. 3I
08/19/2020 Upper W. 3H

08/14/2020 Pond 4 W. B

08/27/2020 Upper W. 3G

08/04/2020 Upper W. Wall F

Michels

08/05/2020 Aggie

08/26/2020 Aggie Pit W. B

Baker

Warden Property Line Warden

City Property Line

08/11/2020 Base Pit N. Wall A

Holly

08/18/2020 Base Pit E. A

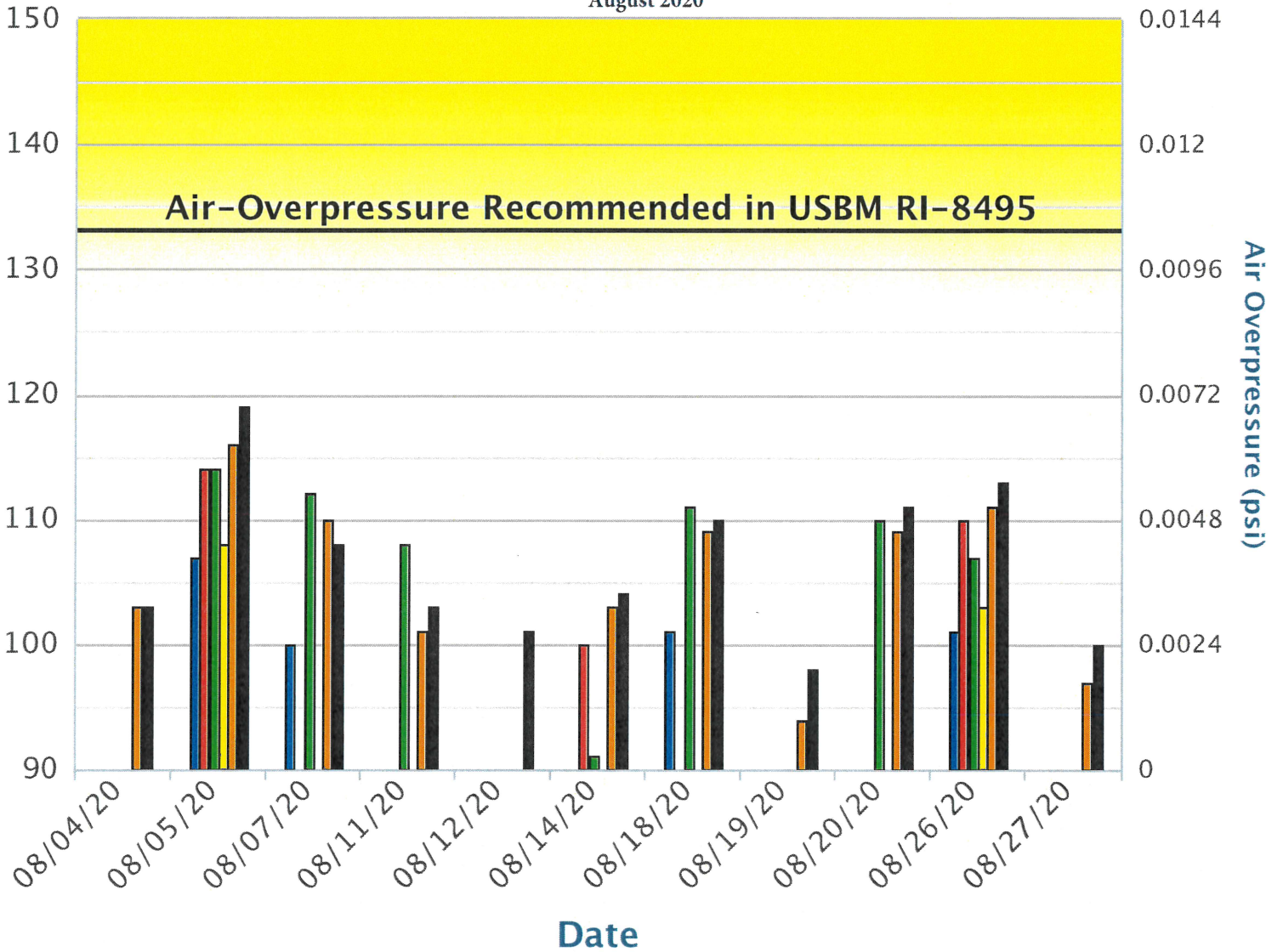
Garden Ridge

08/20/2020 S. Wall D

08/07/2020 S. Wall G

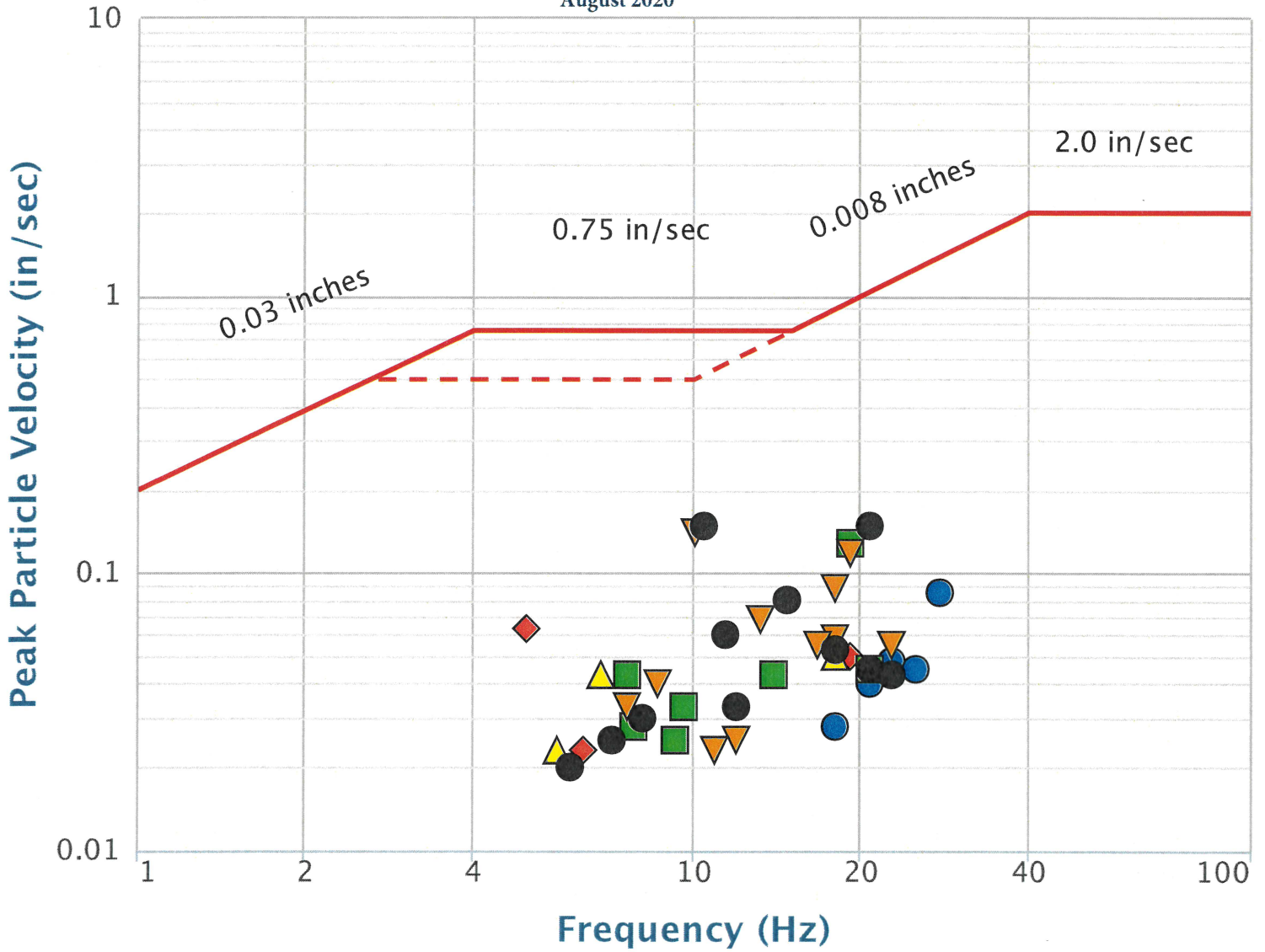
2252

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 August 2020



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

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 USBM Graph
 August 2020



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
AUGUST 2020**

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
08/04/20	08/04/2020 Upper W. Wall F	N 29° 38' 55.94" W 098° 17' 47.48"	PARTLY CLOUDY 86° S 5	13:14	NT	NT	NT	1088	102.00	4,344	Baker Residence
08/04/20	08/04/2020 Upper W. Wall F	N 29° 38' 55.94" W 098° 17' 47.48"	PARTLY CLOUDY 86° S 5	13:14	NT	NT	NT	1088	102.00	3,487	City Property Line
08/04/20	08/04/2020 Upper W. Wall F	N 29° 38' 55.94" W 098° 17' 47.48"	PARTLY CLOUDY 86° S 5	13:14	NT	NT	NT	1088	102.00	3,004	Michels - 9118 Tuscan Hills
08/04/20	08/04/2020 Upper W. Wall F	N 29° 38' 55.94" W 098° 17' 47.48"	PARTLY CLOUDY 86° S 5	13:14	0.033	7.6	103	1088	102.00	3,402	Warden - 21375 Gunther Grove
08/04/20	08/04/2020 Upper W. Wall F	N 29° 38' 55.94" W 098° 17' 47.48"	PARTLY CLOUDY 86° S 5	13:14	0.033	11.9	103	1088	102.00	3,147	Warden Property Line
08/05/20	08/05/2020 Aggie	N 29° 38' 48.63" W 098° 17' 39.10"	CLEAR 95° S 7	15:01	0.048	22.7	107	1295	658.00	4,591	Baker Residence
08/05/20	08/05/2020 Aggie	N 29° 38' 48.63" W 098° 17' 39.10"	CLEAR 95° S 7	15:01	0.063	5	114	1295	658.00	3,001	City Property Line
08/05/20	08/05/2020 Aggie	N 29° 38' 48.63" W 098° 17' 39.10"	CLEAR 95° S 7	15:01	0.043	6.8	108	1295	658.00	3,606	Michels - 9118 Tuscan Hills
08/05/20	08/05/2020 Aggie	N 29° 38' 48.63" W 098° 17' 39.10"	CLEAR 95° S 7	15:01	0.14	10	116	1295	658.00	2,598	Warden - 21375 Gunther Grove
08/05/20	08/05/2020 Aggie	N 29° 38' 48.63" W 098° 17' 39.10"	CLEAR 95° S 7	15:01	0.148	10.4	119	1295	658.00	2,313	Warden Property Line
08/07/20	08/07/2020 S. Wall G	N 29° 37' 55.67" W 098° 16' 54.27"	PARTLY CLOUDY 92° S 10	13:34	0.045	25	100	1308	717.00	8,817	Baker Residence
08/07/20	08/07/2020 S. Wall G	N 29° 37' 55.67" W 098° 16' 54.27"	PARTLY CLOUDY 92° S 10	13:34	NT	NT	NT	1308	717.00	5,899	City Property Line
08/07/20	08/07/2020 S. Wall G	N 29° 37' 55.67" W 098° 16' 54.27"	PARTLY CLOUDY 92° S 10	13:34	0.033	9.6	112	1308	717.00	3,442	Holly - 9916 Trophy Oaks
08/07/20	08/07/2020 S. Wall G	N 29° 37' 55.67" W 098° 16' 54.27"	PARTLY CLOUDY 92° S 10	13:34	NT	NT	NT	1308	717.00	9,169	Michels - 9118 Tuscan Hills
08/07/20	08/07/2020 S. Wall G	N 29° 37' 55.67" W 098° 16' 54.27"	PARTLY CLOUDY 92° S 10	13:34	0.058	17.9	110	1308	717.00	4,888	Warden - 21375 Gunther Grove
08/11/20	08/11/2020 Base Pit N. Wall A	N 29° 38' 20.98" W 098° 17' 9.24"	SUNNY 94° SW 19	13:30	0.04	20.8	84	1096	235.00	6,855	Baker Residence

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GARDEN RIDGE, TEXAS
AUGUST 2020**

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
08/11/20	08/11/2020 Base Pit N. Wall A	N 29° 38' 20.98" W 098° 17' 9.24"	SUNNY 94° SW 19	13:30	NT	NT	NT	1096	235.00	3,944	City Property Line
08/11/20	08/11/2020 Base Pit N. Wall A	N 29° 38' 20.98" W 098° 17' 9.24"	SUNNY 94° SW 19	13:30	0.128	19.2	108	1096	235.00	1,623	Holly - 9916 Trophy Oaks
08/11/20	08/11/2020 Base Pit N. Wall A	N 29° 38' 20.98" W 098° 17' 9.24"	SUNNY 94° SW 19	13:30	NT	NT	NT	1096	235.00	6,767	Michels - 9118 Tuscan Hills
08/11/20	08/11/2020 Base Pit N. Wall A	N 29° 38' 20.98" W 098° 17' 9.24"	SUNNY 94° SW 19	13:30	0.088	17.9	101	1096	235.00	2,717	Warden - 21375 Gunther Grove
08/12/20	08/12/2020 Upper W. 3I	N 29° 39' 2.53" W 098° 17' 48.24"	SUNNY 98° S 18	14:57	NT	NT	NT	976	62.00	4,735	Baker Residence
08/12/20	08/12/2020 Upper W. 3I	N 29° 39' 2.53" W 098° 17' 48.24"	SUNNY 98° S 18	14:57	NT	NT	NT	976	62.00	4,138	City Property Line
08/12/20	08/12/2020 Upper W. 3I	N 29° 39' 2.53" W 098° 17' 48.24"	SUNNY 98° S 18	14:57	NT	NT	NT	976	62.00	3,209	Michels - 9118 Tuscan Hills
08/12/20	08/12/2020 Upper W. 3I	N 29° 39' 2.53" W 098° 17' 48.24"	SUNNY 98° S 18	14:57	0.023	10.9	87	976	62.00	4,071	Warden - 21375 Gunther Grove
08/12/20	08/12/2020 Upper W. 3I	N 29° 39' 2.53" W 098° 17' 48.24"	SUNNY 98° S 18	14:57	0.03	8.1	101	976	62.00	3,812	Warden Property Line
08/14/20	08/14/2020 Pond 4 W. B	N 29° 39' 1.69" W 098° 17' 18.18"	SUNNY 97° SW 14	13:23	0.028	17.9	89	1101	439.00	6,832	Baker Residence
08/14/20	08/14/2020 Pond 4 W. B	N 29° 39' 1.69" W 098° 17' 18.18"	SUNNY 97° SW 14	13:23	0.023	6.3	100	1101	439.00	5,112	City Property Line
08/14/20	08/14/2020 Pond 4 W. B	N 29° 39' 1.69" W 098° 17' 18.18"	SUNNY 97° SW 14	13:23	0.023	5.7	88	1101	439.00	5,644	Michels - 9118 Tuscan Hills
08/14/20	08/14/2020 Pond 4 W. B	N 29° 39' 1.69" W 098° 17' 18.18"	SUNNY 97° SW 14	13:23	0.068	13.2	103	1101	439.00	4,366	Warden - 21375 Gunther Grove
08/14/20	08/14/2020 Pond 4 W. B	N 29° 39' 1.69" W 098° 17' 18.18"	SUNNY 97° SW 14	13:23	0.06	11.4	104	1101	439.00	4,065	Warden Property Line
08/18/20	08/18/2020 Base Pit E. A	N 29° 38' 11.07" W 098° 16' 46.02"	PARTLY CLOUDY 98° NW 8	13:22	0.028	17.9	101	1449	618.00	9,042	Baker Residence
08/18/20	08/18/2020 Base Pit E. A	N 29° 38' 11.07" W 098° 16' 46.02"	PARTLY CLOUDY 98° NW 8	13:22	NT	NT	NT	1449	618.00	6,089	City Property Line

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GARDEN RIDGE, TEXAS
AUGUST 2020**

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08/18/20	08/18/2020 Base Pit E. A	N 29° 38' 11.07" W 098° 16' 46.02"	PARTLY CLOUDY 98° NW 8	13:22	0.045	20.8	111	1449	618.00	3,576	Holly - 9916 Trophy Oaks
08/18/20	08/18/2020 Base Pit E. A	N 29° 38' 11.07" W 098° 16' 46.02"	PARTLY CLOUDY 98° NW 8	13:22	NT	NT	NT	1449	618.00	9,043	Michels - 9118 Tuscan Hills
08/18/20	08/18/2020 Base Pit E. A	N 29° 38' 11.07" W 098° 16' 46.02"	PARTLY CLOUDY 98° NW 8	13:22	0.055	16.7	109	1449	618.00	4,906	Warden - 21375 Gunther Grove
08/19/20	08/19/2020 Upper W. 3H	N 29° 39' 0.67" W 098° 17' 48.11"	CLEAR 100° NE 7	13:13	NT	NT	NT	1012	57.00	4,613	Baker Residence
08/19/20	08/19/2020 Upper W. 3H	N 29° 39' 0.67" W 098° 17' 48.11"	CLEAR 100° NE 7	13:13	NT	NT	NT	1012	57.00	3,953	City Property Line
08/19/20	08/19/2020 Upper W. 3H	N 29° 39' 0.67" W 098° 17' 48.11"	CLEAR 100° NE 7	13:13	NT	NT	NT	1012	57.00	3,132	Michels - 9118 Tuscan Hills
08/19/20	08/19/2020 Upper W. 3H	N 29° 39' 0.67" W 098° 17' 48.11"	CLEAR 100° NE 7	13:13	0.025	11.9	94	1012	57.00	3,884	Warden - 21375 Gunther Grove
08/19/20	08/19/2020 Upper W. 3H	N 29° 39' 0.67" W 098° 17' 48.11"	CLEAR 100° NE 7	13:13	0.02	6	98	1012	57.00	3,626	Warden Property Line
08/20/20	08/20/2020 S. Wall D	N 29° 38' 0.99" W 098° 16' 43.31"	CLEAR 95° NE 9	13:08	NT	NT	NT	1224	760.00	9,535	Baker Residence
08/20/20	08/20/2020 S. Wall D	N 29° 38' 0.99" W 098° 16' 43.31"	CLEAR 95° NE 9	13:08	NT	NT	NT	1224	760.00	6,580	City Property Line
08/20/20	08/20/2020 S. Wall D	N 29° 38' 0.99" W 098° 16' 43.31"	CLEAR 95° NE 9	13:08	0.025	9.3	110	1224	760.00	4,051	Holly - 9916 Trophy Oaks
08/20/20	08/20/2020 S. Wall D	N 29° 38' 0.99" W 098° 16' 43.31"	CLEAR 95° NE 9	13:08	NT	NT	NT	1224	760.00	9,709	Michels - 9118 Tuscan Hills
08/20/20	08/20/2020 S. Wall D	N 29° 38' 0.99" W 098° 16' 43.31"	CLEAR 95° NE 9	13:08	0.055	22.7	109	1224	760.00	5,769	Warden - 21375 Gunther Grove
08/26/20	08/26/2020 Aggie Pit W. B	N 29° 38' 46.74" W 098° 17' 41.04"	SUNNY 98° NE 13	13:14	0.085	27.8	101	1080	801.00	4,357	Baker Residence
08/26/20	08/26/2020 Aggie Pit W. B	N 29° 38' 46.74" W 098° 17' 41.04"	SUNNY 98° NE 13	13:14	0.05	19.2	110	1080	801.00	2,755	City Property Line
08/26/20	08/26/2020 Aggie Pit W. B	N 29° 38' 46.74" W 098° 17' 41.04"	SUNNY 98° NE 13	13:14	0.05	17.9	103	1080	801.00	3,431	Michels - 9118 Tuscan Hills

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
AUGUST 2020**

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
08/26/20	08/26/2020 Aggie Pit W. B	N 29° 38' 46.74" W 098° 17' 41.04"	SUNNY 98° NE 13	13:14	0.118	19.2	111	1080	801.00	2,407	Warden - 21375 Gunther Grove
08/26/20	08/26/2020 Aggie Pit W. B	N 29° 38' 46.74" W 098° 17' 41.04"	SUNNY 98° NE 13	13:14	0.148	20.8	113	1080	801.00	2,130	Warden Property Line
08/27/20	08/27/2020 Upper W. 3G	N 29° 38' 58.55" W 098° 17' 47.97"	SUNNY 98° NW 5	13:10	NT	NT	NT	1088	191.00	4,478	Baker Residence
08/27/20	08/27/2020 Upper W. 3G	N 29° 38' 58.55" W 098° 17' 47.97"	SUNNY 98° NW 5	13:10	NT	NT	NT	1088	191.00	3,742	City Property Line
08/27/20	08/27/2020 Upper W. 3G	N 29° 38' 58.55" W 098° 17' 47.97"	SUNNY 98° NW 5	13:10	NT	NT	NT	1088	191.00	3,054	Michels - 9118 Tuscan Hills
08/27/20	08/27/2020 Upper W. 3G	N 29° 38' 58.55" W 098° 17' 47.97"	SUNNY 98° NW 5	13:10	0.04	8.6	97	1088	191.00	3,670	Warden - 21375 Gunther Grove
08/27/20	08/27/2020 Upper W. 3G	N 29° 38' 58.55" W 098° 17' 47.97"	SUNNY 98° NW 5	13:10	0.025	7.1	100	1088	191.00	3,414	Warden Property Line

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

#	Month	Blast Date	Blast time	Date Received	Name	Address	Phone #	Rating	# stories	sq footage	request contact	Misc	Date sent to VibraTech
2020-1Q	March	3/10/2020	1:13	3/10/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Event duration seemed to last 2-3 seconds. Felt vibration moving through foundation and slightly shook the walls	3/10/2020
2020-2Q	March	3/24/2020	3:16	3/24/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Heard walls rattle. Didn't experience noticeable vibration through the floor	3/24/2020
2020-3Q	March	3/31/2020	11:17	3/31/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	1	1	2800	No	Less intense than previous blasting. Heard the warning siren from kitchen dining area and then heard slight vibration in walls	3/31/2020
2020-4Q	April	4/1/2020	1:17	4/1/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	2.5	1	2800	No	Working on computer in kitchen dining area. I heard the warning siren momentarily and then felt the blast. Floor shook slightly but mostly heard walls vibrating	4/1/2020
2020-5Q	April	4/2/2020	10:40	4/2/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	1	1	2800	No	Felt initial floor vibration which was less intense than I've felt in the past. However there seemed to be a secondary blast that I detected or heard. There wasn't much vibration associated with this. It was just unusual in it's effect.	4/2/2020
2020-6Q	April	4/6/2020	4:03	4/6/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	Unusual to be blasting at this time of day. Most blasting has been felt between 12:00 - 2:00 pm. This was seemed more intense than previous blast. Felt the floor vibrate and heard the walls shake from the kitchen dining area to the family room.	4/6/2020
2020-7Q	April	4/6/2020	4:10	4/6/2020	Karl Scholze	9349 Garden Ridge Dr	210-651-6560	3	1 1/2	3000	No	SHOOK HOUSE	4/6/2020
2020-8Q	April	4/7/2020	11:50	4/7/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4.5	1	2800	No	Felt intense shaking in the floor. This one seemed more intense than the 04/06/2020 blast. Definitely shook the floor	4/7/2020
2020-9Q	April	4/8/2020	1:10	4/8/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	1	1	2800	No	This blast is less severe than prior blasts this week. Felt slight floor vibration	4/8/2020
2020-10Q	April	4/14/2020	11:24	4/14/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	1	1	2800	No	Heard the warning siren first and then felt mild floor vibration that traveled through to my kitchen counter top where I was working	4/14/2020
2020-11Q	April	4/16/2020	12:10	4/16/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Felt slight vibration through the floor, but mostly heard walls shaking	4/16/2020
2020-12Q	April	4/21/2020	1:08	4/21/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	1	1	2800	No	Very mild. Only knew a blast was coming because I heard the warning siren.	4/21/2020
2020-13Q	April	4/23/2020	12:06	4/23/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Heard the warning siren and then felt the blast ripple through the house. Slightly more intense than we've felt in the past couple of days	4/23/2020
2020-14Q	April	4/29/2020	12:38	4/29/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	2	1	2800	No	Heard walls shake and slight floor vibration	4/29/2020
2020-15Q	April	4/30/2020	11:01	4/30/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Heard walls vibrate. No floor vibration felt on this blast.	4/30/2020

2020-16Q	May	5/1/2020	12:04	5/1/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	Felt floor vibrate and heard walls vibrating as well. More intense than what we've felt over the past couple of weeks	5/1/2020
2020-17Q	May	5/1/2020	11:59	5/1/2020	Michael Gould	9546 Teakwood Dr	210-394-1642	5	1	2200	Yes	The whole house shook, and the windows rattled. I have never heard anything like this before while living here. Did something go wrong, because this was very strange. It felt like an earth quake. Is any body or organization monitoring this activity?	5/1/2020
2020-18Q	May	5/5/2020	1:42	5/5/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	It's been about the same level of intensity as the ones felt over the past week. I don't need anybody to contact me but would like to have blast location for today as well as 4/30 and 5/1 blasts. I haven't received these as of today	5/5/2020
2020-19Q	May	5/6/2020	1:01	5/6/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Heard the warning siren and then felt blast move through floor. It seemed like there was a secondary vibration felt in the walls within a second after the floor vibration	5/6/2020
2020-20Q	May	5/18/2020	1:28	5/18/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	5	1	2800	No	Much higher intensity than previous blasts.I don't need anybody to call me however, I would definitely like to know location of today's blast. I've requested location information for previous blasts and have not received any of the requested Follows: May 6, May 5, May 1, and Apr 30	5/18/2020
2020-21Q	May	5/18/2020	1:30	5/18/2020	Mary Huston	21411 Liguria Dr	210-334-9426	5	2	5000	Yes	Entire house shook.....frightening to all including small child inside the home	5/18/2020
2020-22Q	May	5/18/2020	1:30	5/18/2020	Angela Hager	9526 Teakwood Dr	210-618-9946	4	1	2840	No	The whole house shook violently. The couch felt like it was sliding and pictures shook on the walls. Biggest blast in the 2 years I lived here.	5/18/2020
2020-23Q	May	5/18/2020	1:30	5/18/2020	Philip Platt	22204 Via Posada Dr	719-495-3376	5	1	3129	No	Large rumble in early afternoon. My whol house and foundation moved.	5/18/2020
2020-24Q	May	5/20/2020	1:03	5/20/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	Submitted on behalf of my wife, Karen Diaz. Working in the office this after noon and felt a strong blast. I felt floor vibrating and heard walls shaking to the point that I believe I heard the frame creaking	5/20/2020
2020-25Q	May	5/27/2020	12:55	5/27/2020	Johnell Holly	9916 Trophy Oaks Dr	210-651-7358	5	1	5000	No	This blast is worst I have ever noticed when outside. Normally, very little is felt in the garage or outside of it. This time there was a lot of shaking in the garage and tool rattling. I checked with the family inside the house and it made my daughter scream and scared my wife and grand daughter. The fact that I was outside I expected to hear the horn blaring. There was no warning or horn sound.	5/27/2020

2020-26Q	June	6/12/2020	12:24	6/15/2020	Karen Diaz	21010 Gunther Grove	210-721-0112	5	1	2800	No	A HUGE BLAST! One of the worst I have experienced in quite a long time. I have lived in my home over 20 years. The walls in my house seemed like they moved in waves. My grandchildren (age 11) ran for cover!	6/15/2020
2020-27Q	June	6/22/2020	2:04	6/22/2020	Karen Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	Another significant blast. My house shook again!	6/22/2020
2020-28Q	June	6/22/2020	2:04	6/22/2020	Pamela O'Connor	9986 Trophy Oaks Dr	210-912-3373	4	1	3800	Yes	The blast was so strong that it shook our bolted back doors open.	6/22/2020
2020-29Q	July	7/1/2020	1:12	7/1/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	Blast was significant. Didn't feel foundation shake however the blast did shake walls and framing	7/1/2020
2020-30Q	July	7/2/2020	1:11	7/2/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	1	1	2800	No	Blast today was very low intensity. Felt minor floor vibration and walls shaking	7/2/2020
2020-31Q	July	7/9/2020	1:21	7/9/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Felt floor vibrate and heard wall shaking	7/9/2020
2020-32Q	July	7/14/2020	1:16	7/14/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	5	1	2800	No	I was in our dining room, working on the computer when I first felt the floor shake and then heard walls vibrate. This is probably the strongest blast I've felt of this magnitude	7/14/2020
2020-33Q	July	7/14/2020	1:14	7/14/2020	Carol McDaniel	22193 Via Posada Dr		5	1	3300	No	Blast that was unusually loud for this area, but also shook the house badly. I've experienced blasts over 15 years and this was probably one of the most violent ones I've felt. The house moved, and it was enough to get me searching for a place to report probably one of the most violent ones I've felt. The house moved, and it was enough to get me searching for a place to report it, something I've never done. This cannot be good for our foundations. It felt like an earthquake!	7/14/2020
2020-34Q	July	7/16/2020	12:13	7/16/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Felt floor vibration and shaking of walls	7/16/2020
2020-35Q	July	7/20/2020	1:22	7/20/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	I heard the warning siren and shortly after warning siren began I heard vibration moving through the house. First throughout the walls and shortly thereafter felt the floor shaking. This was a significant blast!	7/20/2020
2020-36Q	July	7/20/2020	1:22	7/20/2020	Amy Harrell	9315 Sumac Lane	817-412-8393	5	1 1/2	3000	Yes	This has gotten WAY out of control! You are scaring my children! My entire house shook and glass windows rattling. It felt more like an earth quake. My son is afraid to leave my side now.. Thank you! I will be requesting more information regarding the blast today, I'm furious!!!!!!	7/20/2020
2020-37Q	July	7/20/2020	1:22	7/20/2020	Tara Kelly	9506 Sumac Circle	210-478-2570	5	1	2252	No	Very loud and long lasting.	7/20/2020
2020-38Q	July	7/20/2020	1:22	7/20/2020	Adele Simmons	21315 Hampton Park		5	1 1/2	3800	Yes	significant impact on home. Blast shook entire house and knocked frames off the wall. Cracks occurred in tiles.	7/20/2020

2020-39Q	July	7/22/2020	1:35	7/22/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	3	1	2800	No	Today's blast wasn't intense as the ones felt recently, but I did feel a second wave through the floor just seconds after the first floor vibration. Walls shook slightly	7/22/2020
2020-40Q	July	7/24/2020	1:32	7/24/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	Felt the blast mostly through the foundation and lasted a couple of seconds.. Shook furniture in the house. Intensity seems higher than the 7/22 blast. I'd be curious to know a few more details about the blast. Not just seismic information, but also amount of explosives, depth and and timing. Would like to know why blast intensity varies from day to day.	7/24/2020
2020-41Q	July	7/24/2020	1:32	7/24/2020	George Railey	9814 Trophy Oaks Dr	210-792-6250	5	2	4400	Yes	The blast emery so strong it shook every window in my house. I was sitting watching tv and could feel the house rock! They are going to damage our homes blasting like that. This not the first time we've experienced blasts this severe.	7/24/2020
2020-42Q	July	7/24/2020	1:32	7/24/2020	Jan Martin	20418 Wahl Lane	210-248-8131	3			Yes	While having lunch on our back porch with my out of town family guests, the blast warning came on, followed by the blast. While the blast didn't seem out of the ordinary in terms of intensity, what followed was a visible rolling cloud of silica dust coming at us, across our yard, onto the porch with a stench of black powder, or dynamite explosives. We consider this nuisance dust at the least, and consider it a safety/health risk at the most. Please let us know how many feet you are blasting from our property line, how many more blasts we should expect before you move on to a different area?	7/24/2020
2020-43Q	August	8/5/2020	3:00	8/5/2020	Collen Brust	9817 Bode Circle	830-734-6471	5	2	4500	No	Huge bast shook house for 10 seconds moved pictures and glass vase broke off shelf	8/5/2020
2020-44Q	August	8/5/2020	3:00	8/5/2020	Joleen Gould	9546 Teakwood Dr	210-241-4305	5	1	2200	Yes	Significant quake and impact on property and house, shook windows and ground inside house, smelling some kind of gas after quake event.	8/5/2020
2020-45Q	August	8/5/2020	3:00	8/5/2020	William Harkins	21403 Liguria Dr	281-705-6596	5	1	3200	No	Quarry Blasts are getting closer and with higher intensity. This time cracks are now noticeable in tile and structural corners. Still trying to locate the glass breakage I heard with this blast.	8/5/2020
2020-46Q	August	8/5/2020	3:00	8/5/2020	David Young	9207 Bluebell Dr		4	1	2000	No	Blast rattled the roof, walls and windows of my house.	8/5/2020
2020-47Q	August	8/5/2020	3:00	8/6/2020	Cynthia Neuenfeldt	20951 Klein Cir	210-566-7059	5	1 1/2	3500	No	Around 3pm.very loud and damaging blast.whole house and windows shook	8/6/2020
2020-48Q	August	8/7/2020	1:34	8/7/2020	George Railey	9814 Trophy Oaks Dr	210-792-6250	5	2	4400	Yes	Heavy blast shook our home.	8/7/2020

2020-49Q	August	8/7/2020	1:34	8/7/2020	Armando Diaz	21010 Gunther Grove	210-721-0112	4	1	2800	No	Felt the blast vibrate through the foundation. There was a lesser shaking of the walls. A very short time later, I believe I heard the blast. It was audible. I had requested previously, but would like to know additional details of the blast, such as amount of explosives, vertical/lateral placement of the explosives, and any other information that can be shared. Additionally, after taking a closer look at the Seismic Analysis reports that are provided me, I realized that the "Additional Info" section of the report was the location of the seismic recorder (this is already reported in the "Location" part of the report). I had previously thought the coordinates were the blast location. Is there any way you can share the blast location	8/7/2020
2020-50Q	August	8/7/2020	1:34	8/7/2020	Jerry Mills	20302 Regency Run	210-744-5297	5	2	3500	No	PROLONGED SHAKING OF ENTIRE HOUSE AND GLASSWARE. FELT LIKE 3.5 EARTHQUAKE. SHAKING FOLLOWED BY LOUD BLAST. DON'T BELIEVE BLAST WAS PRECEDEATED BY SIREN. FELT LIKE BOMB BLAST.	8/7/2020
2020-51Q	August	8/26/2020	3:00	8/26/2020	Janet Hayslip	8318 Garden Arbor	408-839-8650	4	1	3300	No	The whole house shook. I thought a vehicle hit our home!	8/26/2020

Date Submitted: 3/10/2020

First Name

Armando

Last Name

Diaz

Report Date

3/10/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

1:13 - 3/10/2020

Please describe the event.

Event duration seemed to last 2-3 seconds. Felt vibration moving through foundation and slightly shook the walls

How did this blast compare to other blasts?

Haven't felt a blast like this in a while, so I'd say it was slightly stronger than we have felt in a while.

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

3

What was your activity at the time of blast?

On couch in family room

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

W

What is the approximate square footage of your home?

1800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

Date Submitted: 3/24/2020

First Name

Armando

Last Name

Diaz

Report Date

3/24/2020

Phone Number:

2105352551

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

03/24/2020 - 3:16

Please describe the event.

Heard walls rattle. Didn't experience noticeable vibration through the floor

How did this blast compare to other blasts?

About normal

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

3

What was your activity at the time of blast?

In bedroom area

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

No

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

Date Submitted: 3/31/2020

First Name

Armando

Last Name

Diaz

Report Date

3/31/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

03/30/2020 - 11:17

Please describe the event.

Less intense than previous blasting. Heard the warning siren from kitchen dining area and then heard slight vibration in walls

How did this blast compare to other blasts?

less intense

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

1

What was your activity at the time of blast?

on computer

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

w

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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

Date Submitted: 4/1/2020

First Name

Armando

Last Name

Diaz

Report Date

4/1/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

04/01/2020 - 1:17

Please describe the event.

Working on computer in kitchen dining area. I heard the warning siren momentarily and then felt the blast. Floor shook slightly but mostly heard walls vibrating

How did this blast compare to other blasts?

About normal compared to other blasts

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

2.5

What was your activity at the time of blast?

On computer

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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

Date Submitted: 4/2/2020

First Name

Armando

Last Name

Diaz

Report Date

4/2/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove, Garden Ridge, TX 7826

Blast Date/Time:

04/02/2020 - 10:40

Please describe the event.

Felt initial floor vibration which was less intense than I've felt in the past. However there seemed to be a secondary blast that I detected or heard. There wasn't much vibration associated with this. It was just unusual in it's effect.

How did this blast compare to other blasts?

Less intense than recent blasts.

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

1

What was your activity at the time of blast?

Working on computer in kitchen dining area

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

Date Submitted: 4/6/2020

First Name

Armando

Last Name

Diaz

Report Date

4/6/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

04/06/2020 - 04:03

Please describe the event.

Unusual to be blasting at this time of day. Most blasting has been felt between 12:00 - 2:00 pm. This was seemed more intense than previous blast. Felt the floor vibrate and heard the walls shake from the kitchen dining area to the family room.

How did this blast compare to other blasts?

Seemed more intense than I've felt in a while. I would like to know the area of the quarry where today's blast took place.

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?

Working on computer in kitchen dining area

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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

Date Submitted: 4/6/2020

First Name

KARL

Last Name

SCHOLZE

Report Date

4/6/2020

Phone Number:

2106516560

E-Mail Address

Address1

9349 GARDEN RIDGE DR

Blast Date/Time:

4-6-2020/4:10PM

Please describe the event.

SHOOK HOUSE

How did this blast compare to other blasts?

WORSE, HAVEN'T HAD A BAD ONE INA WHILE

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

3

What was your activity at the time of blast?

SITTING IN AT HOME OFFICE

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

S

What is the approximate square footage of your home?

3000

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

1 1/2

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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

Date Submitted: 4/7/2020

First Name

Armando

Last Name

Diaz

Report Date

4/7/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

04/07/2020 -11:50

Please describe the event.

Felt intense shaking in the floor. This one seemed more intense than the 04/06/2020 blast. Definitely shook the floor

How did this blast compare to other blasts?

More intense than the 4/6/2020 blast. Pretty significant. I would like to know where within the quarry area this blast occurred.

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

4.5

What was your activity at the time of blast?

Sitting on coach in family room

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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

Date Submitted: 4/8/2020

First Name

Armando

Last Name

Diaz

Report Date

4/8/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

04/08/2020 - 1:10

Please describe the event.

This blast is less severe than prior blasts this week. Felt slight floor vibration

How did this blast compare to other blasts?

Less intense than blasts earlier this week

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

1

What was your activity at the time of blast?

At kitchen counter

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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

Citizen Quarry Blast Impact Report - Submission #1909

Date Submitted: 4/14/2020

First Name

Armando

Last Name

Diaz

Report Date

4/14/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

04/14/2020 - 11:24

Please describe the event.

Heard the warning siren first and then felt mild floor vibration that traveled through to my kitchen counter top where I was working.

How did this blast compare to other blasts?

The blast felt to a lesser intent what I have been feeling over this and the prior week.

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

1

What was your activity at the time of blast?

Working on kitchen counter top

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #1911

Date Submitted: 4/16/2020

First Name

Armando

Last Name

Diaz

Report Date

4/16/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

04/16/2020

Please describe the event.

Felt slight vibration through the floor, but mostly heard walls shaking

How did this blast compare to other blasts?

Slightly higher than what we have felt this week. I don't need to be contacted by a Quarry Representative, but would like to know location of the quarry blast.

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

3

What was your activity at the time of blast?

At kitchen counter

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1915

Date Submitted: 4/21/2020

First Name

Armando

Last Name

Diaz

Report Date

4/21/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

04/21/2020 - 1:08

Please describe the event.

Very mild. Only knew a blast was coming because I heard the warning siren.

How did this blast compare to other blasts?

Very slight, Minimal. Little to no floor or wall vibration. I don't need to be contacted by quarry representative, but I would like to know area of blast.

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

1

What was your activity at the time of blast?

Working on computer in kitchen dining area

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1916

Date Submitted: 4/23/2020

First Name

Armando

Last Name

Diaz

Report Date

4/23/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

04/23/2020 - 12:06

Please describe the event.

Heard the warning siren and then felt the blast ripple through the house. Slightly more intense than we've felt in the past couple of days

How did this blast compare to other blasts?

Slightly more intense. Don't need anybody to call, but would like to know location of blast.

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

3

What was your activity at the time of blast?

Sitting at kitchen counter

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1931

Date Submitted: 4/29/2020

First Name

Armando

Last Name

Diaz

Report Date

4/29/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

04/29/2020 - 12:38

Please describe the event.

Heard walls shake and slight floor vibration

How did this blast compare to other blasts?

Less intense than previous blasts. I don't need anyone to contact me however I would like to know blast location

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

2

What was your activity at the time of blast?

Sitting in family room

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1933

Date Submitted: 4/30/2020

First Name

Armando

Last Name

Diaz

Report Date

4/30/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

04/30/2020 - 11:01

Please describe the event.

Heard walls vibrate. No floor vibration felt on this blast.

How did this blast compare to other blasts?

About the same as blast on 4/29/2020. Maybe slightly higher intensity. I don't need anyone to call me, but I would like to know location of blast.

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

3

What was your activity at the time of blast?

Working on computer in kitchen dining area

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1934

Date Submitted: 5/1/2020

First Name

Armando

Last Name

Diaz

Report Date

5/1/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

05/01/2020 12:04

Please describe the event.

Felt floor vibrate and heard walls vibrating as well. More intense than what we've felt over the past couple of weeks

How did this blast compare to other blasts?

More intense than recent blasting. I don't need to be contacted however I would like to know location of blast for today as well as blast from 4/30/2020

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?

At kitchen counter

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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

Citizen Quarry Blast Impact Report - Submission #1935

Date Submitted: 5/1/2020

First Name

Michael

Last Name

Gould

Report Date

5/1/2020

Phone Number:

2103941642

E-Mail Address

Address1

9546 Teakwood Dr

Blast Date/Time:

05-01-2020/1159 PM

Please describe the event.

The whole house shook, and the windows rattled. I have never heard anything like this before while living here. Did something go wrong, because this was very strange. It felt like an earth quake. Is any body or organization monitoring this activity?

How did this blast compare to other blasts?

I have not heard any other blast before.

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

5

What was your activity at the time of blast?

Getting ready to leave the house

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

N

What is the approximate square footage of your home?

2200

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

1

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1941

Date Submitted: 5/5/2020

First Name

Armando

Last Name

Diaz

Report Date

5/5/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

05/05/2020 1:42

Please describe the event.

Heard the warning siren and then felt floor shake and heard walls vibrate for a couple of seconds

How did this blast compare to other blasts?

It's been about the same level of intensity as the ones felt over the past week. I don't need anybody to contact me but would like to have blast location for today as well as 4/30 and 5/1 blasts. I haven't received these as of today

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?

On computer at kitchen counter

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1944

Date Submitted: 5/6/2020

First Name

Armando

Last Name

Diaz

Report Date

5/6/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

05/06/2020 - 1:01

Please describe the event.

Heard the warning siren and then felt blast move through floor. It seemed like there was a secondary vibration felt in the walls within a second after the floor vibration

How did this blast compare to other blasts?

Blast seemed slightly less intense than blast from 5/5/2020. I don't need to be contacted, however please provide blast location from today's blast as well as those from May 5, May 1, and Apr 30. I requested on these occasions but have not received the information.

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

3

What was your activity at the time of blast?

Working on computer in kitchen dining area

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1962

Date Submitted: 5/18/2020

First Name

Karen

Last Name

Diaz

Report Date

5/18/2020

Phone Number:

2108432946

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

05/18/2020

Please describe the event.

The blast today felt like it shook the entire house. Felt in the floor as well as vibrating the walls.

How did this blast compare to other blasts?

Much higher intensity than previous blasts. I don't need anybody to call me however, I would definitely like to know location of today's blast. I've requested location information for previous blasts and have not received any of the requested information. Follows: May 6, May 5, May 1, and Apr 30

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

5

What was your activity at the time of blast?

In study

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1963

Date Submitted: 5/18/2020

First Name

Mary

Last Name

Huston

Report Date

mm/dd/yyyy

Phone Number:

2103349426

E-Mail Address

Address1

21411 Liguria Drive

Blast Date/Time:

5/18/20 @ 1330

Please describe the event.

Entire house shook.....frightening to all including small child inside the home

How did this blast compare to other blasts?

Extremely strong

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

5

What was your activity at the time of blast?

Watching Tv

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

N

What is the approximate square footage of your home?

5000

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

2

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #1964

Date Submitted: 5/18/2020

First Name

Angela

Last Name

Hager

Report Date

5/18/2020

Phone Number:

2106189946

E-Mail Address

Address1

9526 TEAKWOOD DR

Blast Date/Time:

Today 1:30 pm

Please describe the event.

The whole house shook violently. The couch felt like it was sliding and pictures shook on the walls. Biggest blast in the 2 years I lived here.

How did this blast compare to other blasts?

Way more intense

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?

Sitting on the couch

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

N

What is the approximate square footage of your home?

2840

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #1966

Date Submitted: 5/19/2020

First Name

Philip

Last Name

Platt

Report Date

5/18/2020

Phone Number:

7194953376

E-Mail Address

Address1

22204 Via Posada Dr

Blast Date/Time:

18 May 2020/1330

Please describe the event.

Large rumble in early afternoon. My whol house and foundation moved.

How did this blast compare to other blasts?

Larger

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

5

What was your activity at the time of blast?

Eating lunchS

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

What is the approximate square footage of your home?

3129

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #1968

Date Submitted: 5/20/2020

First Name

Armando

Last Name

Diaz

Report Date

5/20/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

05/20/2020 - 1:03

Please describe the event.

Submitted on behalf of my wife, Karen Diaz.
Working in the office this after noon and felt a strong blast. I felt floor vibrating and heard walls shaking to the point that I believe I heard the frame creaking

How did this blast compare to other blasts?

It was nearly as intense as the blast from earlier this week on 5/18.
Unless the City or Quarry Commission gets this information contemporaneously. I would like to continue to receive this information from Hansen. I understand you will no longer be able to provide blast location, however I would appreciate receiving this information from you as the Quarry Commission only meets every other month. Call me if you'd like to discuss this further.

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?

On computer in study

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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.

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Citizen Quarry Blast Impact Report - Submission #1972

Date Submitted: 5/27/2020

First Name

Johnell

Last Name

Holly

Report Date

5/27/2020

Phone Number:

(210) 651-7358

E-Mail Address

Address1

9916 Trophy Oaks Dr

Blast Date/Time:

05/27/2020 12:55pm

Please describe the event.

This blast is worst I have ever noticed when outside. Normally, very little is felt in the garage or outside of it. This time there was a lot of shaking in the garage and tool rattling. I checked with the family inside the house and it made my daughter scream and scared my wife and grand daughter.

The fact that I was outside I expected to hear the horn blaring. There was no warning or horn sound.

How did this blast compare to other blasts?

This blast cannot be compared to any blast over the past year or longer. It was litteral off the scale

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

5

What was your activity at the time of blast?

working in the garage and house

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

W

What is the approximate square footage of your home?

5000

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2013

Date Submitted: 6/15/2020

First Name

Karen

Last Name

Diaz

Report Date

6/15/2020

Phone Number:

21-843-2946

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

06-12-20 /12:24PM

Please describe the event.

A HUGE BLAST! One of the worst I have experienced in quite a long time. I have lived in my home over 20 years. The walls in my house seemed like they moved in waves. My grandchildren (age 11) ran for cover!

How did this blast compare to other blasts?

This blast was one of the worst I have felt in over a year - thank goodness! I would rate it a 10 but the scale only goes to a 5.

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

5

What was your activity at the time of blast?

I was sitting at my desk in my office

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

W

What is the approximate square footage of your home?

2800

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

1 story

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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

Citizen Quarry Blast Impact Report - Submission #2024

Date Submitted: 6/22/2020

First Name

Karen

Last Name

Diaz

Report Date

6/22/2020

Phone Number:

210-843-2946

E-Mail Address

Address1

21010 Gunther Grove

Blast Date/Time:

6-22-20/ 2:04PM

Please describe the event.

Another significant blast. My house shook again!

How did this blast compare to other blasts?

I haven't felt a blast like this in a week. This was significant, but not as bad as the blast on June 12.

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?

Working in my home.

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

W

What is the approximate square footage of your home?

2800

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

1 story

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2025

Date Submitted: 6/22/2020

First Name

Pamela

Last Name

OConnor

Report Date

6/22/2020

Phone Number:

2109123373

E-Mail Address

Address1

9986 Trophy Oaks Drive

Blast Date/Time:

6/22/2020. Afternoon

Please describe the event.

The blast was so strong that it shook our bolted back doors open.

How did this blast compare to other blasts?

The blast was longer in endurance, and higher impact

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?

Sitting at my desk

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

What is the approximate square footage of your home?

3,800 sq feet

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

1 story

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #2058

Date Submitted: 7/1/2020

First Name

Armando

Last Name

Diaz

Report Date

7/1/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

07/01/2020 - 1:12

Please describe the event.

Blast was significant. Didn't feel foundation shake however the blast did shake walls and framing

How did this blast compare to other blasts?

A;though not the worst blast felt, it is significantly higher than previous blasting

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?

Walking by front entry way

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2061

Date Submitted: 7/2/2020

First Name

Armando

Last Name

Diaz

Report Date

7/2/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

07/02/2020 - 1:11

Please describe the event.

Blast today was very low intensity. Felt minor floor vibration and walls shaking

How did this blast compare to other blasts?

Minor blast compared to previous.

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

1

What was your activity at the time of blast?

Working on computer in dining room

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2092

Date Submitted: 7/9/2020

First Name

Armando

Last Name

Diaz

Report Date

7/9/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

7/9/2020 - 1:21

Please describe the event.

Felt floor vibrate and heard wall shaking

How did this blast compare to other blasts?

Slightly less intense than the one reported last week

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

3

What was your activity at the time of blast?

Sitting on couch

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

w

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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

Citizen Quarry Blast Impact Report - Submission #2103

Date Submitted: 7/14/2020

First Name

Armando

Last Name

Diaz

Report Date

7/14/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

07/14/2020 - 1:16

Please describe the event.

I was in our dining room, working on the computer when I first felt the floor shake and then heard walls vibrate. This is probably the strongest blast I've felt of this magnitude.

How did this blast compare to other blasts?

Strongest I've felt of this magnitude

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

5

What was your activity at the time of blast?

In dining room, on computer

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2104

Date Submitted: 7/14/2020

First Name

Carol

Last Name

McDaniel

Report Date

7/14/2020

Phone Number:

E-Mail Address

Address1

Blast Date/Time:

22193 Via Posada Dr, Garden Ridge, tx

07/14/2020 1:14 PM

Please describe the event.

Blast that was unusually loud for this area, but also shook the house badly. I've experienced blasts over 15 years and this was probably one of the most violent ones I've felt. The house moved, and it was enough to get me searching for a place to report it, something I've never done. This cannot be good for our foundations. It felt like an earthquake!

How did this blast compare to other blasts?

Stronger

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

5

What was your activity at the time of blast?

Reading

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

Northeast

What is the approximate square footage of your home?

3,300

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2105

Date Submitted: 7/16/2020

First Name

Armando

Last Name

Diaz

Report Date

7/16/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

7/16/2020 - 12:13

Please describe the event.

Felt floor vibration and shaking of walls

How did this blast compare to other blasts?

Not as intense as previous blast from 7/15/2020

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

3

What was your activity at the time of blast?

Sitting at kitchen counter

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2114

Date Submitted: 7/20/2020

First Name

Armando

Last Name

Diaz

Report Date

7/20/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

07/20/2020 - 1:22

Please describe the event.

I heard the warning siren and shortly after warning siren began I heard vibration moving through the house. First throughout the walls and shortly thereafter felt the floor shaking. This was a significant blast!

How did this blast compare to other blasts?

This felt definitely stronger than the last blast felt

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?

Working on computer in dining room

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2115

Date Submitted: 7/20/2020

First Name

Amy

Last Name

Harrell

Report Date

7/20/2020

Phone Number:

8174128393

E-Mail Address

Address1

9315 Sumac In

Blast Date/Time:

1:21

Please describe the event.

This has gotten WAY out of control! You are scaring my children! My entire house shook and glass windows rattling. It felt more like an earth quake. My son is afraid to leave my side now.. Thank you! I will be requesting more information regarding the blast today, I'm furious!!!!!!

How did this blast compare to other blasts?

10Times more aggressive

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

5plus 20 extra

What was your activity at the time of blast?

Sitting

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

E

What is the approximate square footage of your home?

3,000

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

Split level

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #2116

Date Submitted: 7/20/2020

First Name

Tara

Last Name

Kelley

Report Date

7/20/2020

Phone Number:

2104782570

E-Mail Address

Address1

9506 Sumac Cir

Blast Date/Time:

07/20/2020 1:40 PM

Please describe the event.

Very loud and long lasting.

How did this blast compare to other blasts?

This was much more severe than any other blast Ive experience while living here.

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

5

What was your activity at the time of blast?

Zoom Meeting with work

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

N

What is the approximate square footage of your home?

2252

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2118

Date Submitted: 7/20/2020

First Name

Adele

Last Name

simmons

Report Date

7/20/2020

Phone Number:

E-Mail Address

Address1

21315 Hampton Park

Blast Date/Time:

7/20/20 @ 1321

Please describe the event.

significant impact on home. Blast shook entire house and knocked frames off the wall. Cracks occurred in tiles.

How did this blast compare to other blasts?

worst one yet

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

5

What was your activity at the time of blast?

standing in kitchen

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

What is the approximate square footage of your home?

3800

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

1 1/2

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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Citizen Quarry Blast Impact Report - Submission #2132

Date Submitted: 7/22/2020

First Name

Armando

Last Name

Diaz

Report Date

7/22/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

07/22/2020 - 1:35

Please describe the event.

Today's blast wasn't intense as the ones felt recently, but I did feel a second wave through the floor just seconds after the first floor vibration. Walls shook slightly

How did this blast compare to other blasts?

Not as intense.

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

3

What was your activity at the time of blast?

Working on computer in dining room

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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Citizen Quarry Blast Impact Report - Submission #2174

Date Submitted: 7/24/2020

First Name

Armando

Last Name

Diaz

Report Date

7/24/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

07/24/2020 - 1:32

Please describe the event.

Felt the blast mostly through the foundation and lasted a couple of seconds.. Shook furniture in the house. Intensity seems higher than the 7/22 blast. I'd be curious to know a few more details about the blast. Not just seismic information, but also amount of explosives, depth and and timing. Would like to know why blast intensity varies from day to day.

How did this blast compare to other blasts?

Stronger than Wednesday's, 7/22 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?

Working on computer in dining room

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #2176

Date Submitted: 7/24/2020

First Name

George

Last Name

Railey

Report Date

7/24/2020

Phone Number:

2107926250

E-Mail Address

Address1

9814 Trophy Oaks Dr

Blast Date/Time:

1:30pm

Please describe the event.

The blast emery so strong it shook every window in my house. I was sitting watching tv and could feel the house rock! They are going to damage our homes blasting like that. This not the first time we've experienced blasts this severe.

How did this blast compare to other blasts?

Strongest so far

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

5

What was your activity at the time of blast?

Sitting in my living room in my chair watching TV

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

Southeast of my house

What is the approximate square footage of your home?

4400

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

Two story

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #2177

Date Submitted: 7/24/2020

First Name

Jan

Last Name

Martin

Report Date

7/24/2020

Phone Number:

2102488131

E-Mail Address

Address1

20418 Wahl Lane

Blast Date/Time:

1:32 pm

Please describe the event.

While having lunch on our back porch with my out of town family guests, the blast warning came on, followed by the blast. While the blast didn't seem out of the ordinary in terms of intensity, what followed was a visible rolling cloud of silica dust coming at us, across our yard, onto the porch with a stench of black powder, or dynamite explosives. We consider this nuisance dust at the least, and consider it a safety/health risk at the most. Please let us know how many feet you are blasting from our property line, how many more blasts we should expect before you move on to a different area?

How did this blast compare to other blasts?

About the same as far as intensity, just concerned with the amount of silica particles and black powder(?) in our breathing space.

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

3

What was your activity at the time of blast?

Eating lunch on back porch

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

Back porch faces NE

What is the approximate square footage of your home?

N/a

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

N/a

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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

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Citizen Quarry Blast Impact Report - Submission #2225

Date Submitted: 8/5/2020

First Name

Colleen

Last Name

Brust

Report Date

8/5/2020

Phone Number:

8307346471

E-Mail Address

Address1

9817 , Bode Circle garden ridge TX

Blast Date/Time:

5 Aug 2020 around 3:00

Please describe the event.

Huge bast shook house for 10 seconds moved pictures and glass vase broke off shelf

How did this blast compare to other blasts?

Much louder and stronger

Blasts keep getting stronger it seems
Are they working closer to trophy oaks?

I know nothing will be done because the quarry rules this area politically but please stop blasting so destructively maybe smaller blasts

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

5

What was your activity at the time of blast?

Reading a book

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

N

What is the approximate square footage of your home?

4500

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

2

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

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

Citizen Quarry Blast Impact Report - Submission #2226

Date Submitted: 8/5/2020

First Name

Joleen

Last Name

Gould

Report Date

8/5/2020

Phone Number:

2102414305

E-Mail Address

Address1

9546 Teakwood drive

Blast Date/Time:

3:00 pm

Please describe the event.

Significant quake and impact on property and house, shook windows and ground inside house, smelling some kind of gas after quake event.

How did this blast compare to other blasts?

Very significant

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

5

What was your activity at the time of blast?

working on computer

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

N

What is the approximate square footage of your home?

2200

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

one story

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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.

Citizen Quarry Blast Impact Report - Submission #2227

Date Submitted: 8/5/2020

First Name

William

Last Name

Harkins

Report Date

8/5/2020

Phone Number:

2817056596

E-Mail Address

Address1

21403 Liguria Drive

Blast Date/Time:

8/5/2020 3:00

Please describe the event.

Quarry Blasts are getting closer and with higher intensity. This time cracks are now noticeable in tile and structural corners. Still trying to locate the glass breakage I heard with this blast.

How did this blast compare to other blasts?

Entire house shook excessively. Will now begin to monitor crack progression after each blast.

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

5

What was your activity at the time of blast?

Working

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

North/East

What is the approximate square footage of your home?

3200

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

Citizen Quarry Blast Impact Report - Submission #2228

Date Submitted: 8/5/2020

First Name

David

Last Name

Young

Report Date

8/5/2020

Phone Number:

E-Mail Address

Address1

Blast Date/Time:

9207 Bluebell drive

3:01

Please describe the event.

Blast rattled the roof, walls and windows of my house.

How did this blast compare to other blasts?

Seems to be getting stronger

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?

Working

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

S

What is the approximate square footage of your home?

~2,000

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

1

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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.

Citizen Quarry Blast Impact Report - Submission #2234

Date Submitted: 8/6/2020

First Name

Cynthia

Last Name

Neuenfeldt

Report Date

8/6/2020

Phone Number:

12105667059

E-Mail Address

Address1

20951 Klein Cir

Blast Date/Time:

08/05/2020

Please describe the event.

Around 3pm.very loud and damaging blast.whole house and windows shook

How did this blast compare to other blasts?

More severe5

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

5

What was your activity at the time of blast?

Household activities

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

N

What is the approximate square footage of your home?

3500

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

11/2

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

Citizen Quarry Blast Impact Report - Submission #2238

Date Submitted: 8/7/2020

First Name

George

Last Name

Railey

Report Date

8/7/2020

Phone Number:

E-Mail Address

Address1

Blast Date/Time:

9814 Trophy Oaks Dr

1:34pm

Please describe the event.

Heavy blast shook our home.

How did this blast compare to other blasts?

Stronger

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

5

What was your activity at the time of blast?

Watching the news

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

Northeast

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 story

Would you like a Quarry Commission member to contact you regarding your report?

Yes

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

Yes

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.

Citizen Quarry Blast Impact Report - Submission #2239

Date Submitted: 8/7/2020

First Name

Armando

Last Name

Diaz

Report Date

8/7/2020

Phone Number:

2107210112

E-Mail Address

Address1

21010 Gunther Grv

Blast Date/Time:

08/07/2020 - 1:36

Please describe the event.

Felt the blast vibrate through the foundation. There was a lesser shaking of the walls. A very short time letter, I believe I heard the blast. It was audible.

I had requested previously, but would like to know additional details of the blast, such as amount of explosives, vertical/lateral placement of the explosives, and any other information that can be shared.

Additionally, after taking a closer look at the Seismic Analysis reports that are provided me, I realized that the "Additional Info" section of the report was the location of the seismic recorder (this is already reported in the "Location" part of the report). I had previously thought the coordinates were the blast location. Is there any way you can share the blast location

How did this blast compare to other blasts?

This was a strong blast. Perhaps not the strongest I've felt, but pretty close to it.

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?

Working on the computer in the dining room

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

W

What is the approximate square footage of your home?

2800

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

1

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

Citizen Quarry Blast Impact Report - Submission #2240

Date Submitted: 8/7/2020

First Name

JERRY

Last Name

MILLS

Report Date

8/7/2020

Phone Number:

2107445297

E-Mail Address

Address1

20302 REGENCY RUN

Blast Date/Time:

08/07/2020 1334

Please describe the event.

PROLONGED SHAKING OF ENTIRE HOUSE AND GLASSWARE.
FELT LIKE 3.5 EARTHQUAKE.
SHAKING FOLLOWED BY LOUD BLAST.
DON'T BELIEVE BLAST WAS PRECEDED BY SIREN.
FELT LIKE BOMB BLAST.

How did this blast compare to other blasts?

MUCH LOUDER AND LONGER. VERY DISTURBING.

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

5

What was your activity at the time of blast?

SITTING AT DINING TABLE

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

WEST

What is the approximate square footage of your home?

3500

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

2

Would you like a Quarry Commission member to contact you regarding your report?

No

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.

Citizen Quarry Blast Impact Report - Submission #2266

Date Submitted: 8/26/2020

First Name

Janet

Last Name

Hayslip

Report Date

8/26/2020

Phone Number:

4088398650

E-Mail Address

Address1

8318 Garden Arbor

Blast Date/Time:

1:15p

Please describe the event.

The whole house shook. I thought a vehicle hit our home!

How did this blast compare to other blasts?

most severe that I've felt in 5 years

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?

woking in home office

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

north

What is the approximate square footage of your home?

3300

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

1 story

Would you like a Quarry Commission member to contact you regarding your report?

No

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.



Buckley Powder Co.

A Dyno Nobel Distributor

P.O. Box 1358 Georgetown, TX 78628 USA Telephone 512-869-0287 Fax: 512-819-9906

DYNO
Dyno Nobel

July 2, 2020

City Administrator
City of Garden Ridge
9400 Municipal Parkway
Garden Ridge, TX 78266

To whom it may concern:

Buckley Powder Company would like to be considered for a Partial Exemption Permit with the City of Garden Ridge. We have four gentlemen that will be our representatives for the purpose of this application, Mr. Steven Davis, Mr. Riley Pumphrey, Mr. Darryl Borg, and Mr. Dustin Althoff. The complete contact information for these gentlemen is as follows:

Steven Davis, Health & Safety Manager (512) 818-7731

Riley Pumphrey, General Manager (512) 864-4185

Darryl Borg, Senior Technical Representative (830) 214-5635

Dustin Althoff, Technical Representative (512) 229-7894

Buckley Powder Company
6305 N. IH-35
New Braunfels, TX 78130

Buckley Powder will be blasting for the crushed stone operation of Lehigh Hanson Aggregates for the 2021 fiscal year. If you have any questions or concerns, please feel free to contact me, Mr. Borg or Mr. Althoff.

Sincerely,

Steven Davis
Health & Safety Manager



Buckley Powder Co.

A Dyno Nobel Distributor

P.O. Box 1358 Georgetown, TX 78628 USA Telephone 512-869-0287 Fax: 512-819-9906

DYNO
Dyno Nobel

Date: July 2, 2020

TO: City of Garden Ridge

CC: Riley Pumphrey, Dustin Althoff, Darryl Borg

From: Steve Davis

Health & Safety Manager

Buckley Powder Company

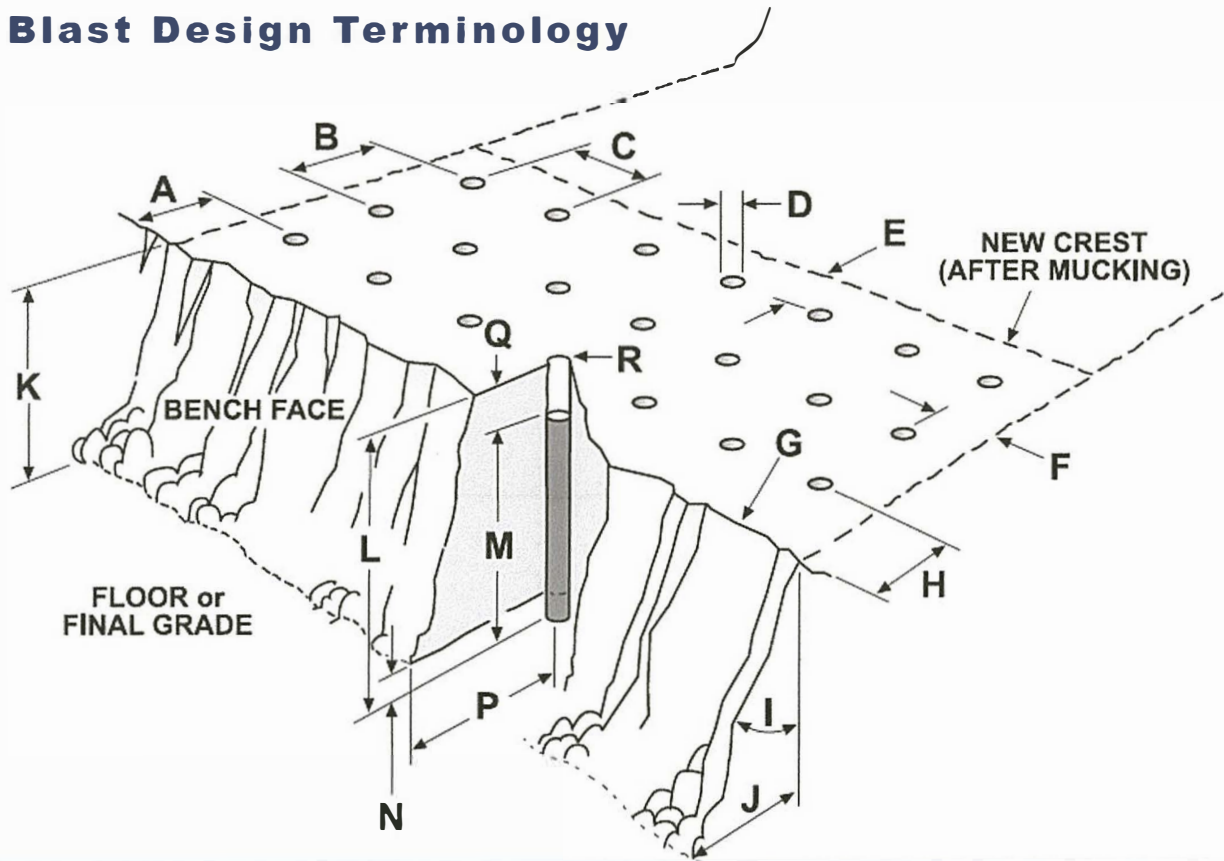
All Buckley Powder blasters are required to attend at least 40 hours of classroom training and testing to ensure they have a complete understanding of these procedures. Along with classroom training, they are provided extensive field training before ever actually being assigned duties as a lead blaster.

The City of Garden Ridge has previously been supplied a copy of the Open Pit Blaster Training. This course provides a thorough understanding of the fragmentation process and how to minimize vibration and air over pressure which may affect the surrounding community. Blasters are taught all calculations necessary to safely obtain the production goals of the customer while minimizing the environmental effects. Once again they must pass written tests in the classroom and are audited in the field to ensure they are following these calculations and procedures. As new and improved techniques are introduced to the industry, blasters are brought in to be trained on the new information as well as refreshed on previous topics.

Buckley Powder now blasts approximately 30,000,000 tons of rock per year in the San Antonio – New Braunfels area. Our blasters and technical staff are very familiar with the geological abnormalities which must be addressed to keep environmental effects to a minimum. The included documents are quite lengthy – so we will list below the typical process involved for blasting in the Edwards Aquifer area.

Included on the next page is an illustration of a typical bench to be blasted and the terminology for many of the parameters considered in the design of the blast.

Blast Design Terminology



A	Hole - to - Crest	G	Crest	M	Explosive Column Height
B	Apparent Burden*	H	Crest Burden	N	Subdrilling
C	Apparent Spacing*	I	Bank Angle	P	Toe Burden
D	Hole Diameter	J	Toe	Q	Stemming Height
E	Back Break	K	Bench Height	R	Collar
F	Side Break	L	Hole Depth		

* True Burden and True Spacing may be different than Apparent Burden and Apparent Spacing due to delay pattern.

We teach our blasters that there are four things which occur when rock is blasted :

- The rock is broken or fragmented
- There is a heaving affect
- Vibration is created
- Air overpressure is created

If a blast is properly designed, the energy of the explosives will be used to do the first two in the list and there will be less energy left to create vibration and air overpressure. Thus the correct pattern to properly distribute the energy through the rock is the first important consideration. We know from experience how many pounds of explosives per cubic yard or ton of rock (powder factor) will give satisfactory fragmentation. If we under load a blast, it may actually create higher vibration. Extensive research calculations have been developed which aids in

predicting vibration at a given distance based on the pounds of explosives detonated at 8 millisecond intervals. Based on the two above factors a blast pattern can be determined.

Laying out the blast pattern

As illustrated in the diagram, previous blasting will create a face which many times will be irregular; depending on the local geology. A two dimensional laser profiler will be used to determine at what distance from the crest holes should be placed in order to have the proper burden (amount of rock in front of the hole). There will be times when geological abnormalities may be observed and require the holes to have additional burden placed on them in order to minimize any venting of energy through the various seams; which may increase air overpressure. If this is necessary the spacing between holes in this row will be reduced to maintain the proper powder factor. The location of each hole is marked by the blaster.

Drilling

The driller will be given documentation of the pattern. This will include a diagram of the hole locations. The required depth of the holes will be indicated. Depths are determined from the initial data from the laser profiler. In order to properly break the rock at the bottom of the hole, the holes will be drilled slightly deeper than the actual bench height. In areas of vibration concern, this subdrill should be kept to a minimum. Excessive subdrill tends to increase vibration due to the over confinement in this area of the blast. The driller will be asked to provide a log of each hole. These logs will provide information concerning variations in geology; with the depths of these variations noted. This is very important data which aids the blaster in making determinations on how the hole should be loaded.

Loading the blast pattern

Before the blast is loaded, a three dimensional auto scan laser profiler will be used. This unit allows the exact location of each hole to be surveyed. It then can be set up to scan the face and collect upwards of 100,000 data points. If there are any "divots" in the face that requires more refinement of resolution, additional points can be scanned in that area. Various reports will be generated from the data, which will aid the blaster in determining what must be done to eliminate problems (examples included at the end). The most important of these reports are the actual profiles of each front row borehole. These profiles show the exact burden in front of the hole. The software can also be set to look a predetermined distance on either side of the hole for any lesser burdens which might be influenced by this hole. With these reports in hand, the blaster will visually examine the face one more time and make notes on the print outs of any variations in the loading which should take place.

All holes will be checked for proper depth. If any have excessive subdrill which may increase vibration, they will be backfilled to the proper depth. Detonators and cast boosters will be placed in the holes as needed and the hole will be loaded with bulk explosives. The blaster will monitor the rise of the product in the hole. If there any abnormalities such as cracks and voids the powder will stop rising and the blaster will immediately stop to address the issue. In most cases an inert material such as crushed stone will be placed in this area of the borehole to avoid the accumulation of excess explosives. Trucks are equipped with meters as an added check to ensure the proper amount of explosives is being placed in each hole. In the cases where a full column may be too large to maintain the desired vibration level; the load in the hole may be divided into smaller charges separated by inert material. These smaller charges will be timed to detonate separately to reduce vibration. If seams of softer material or clay have been noted on

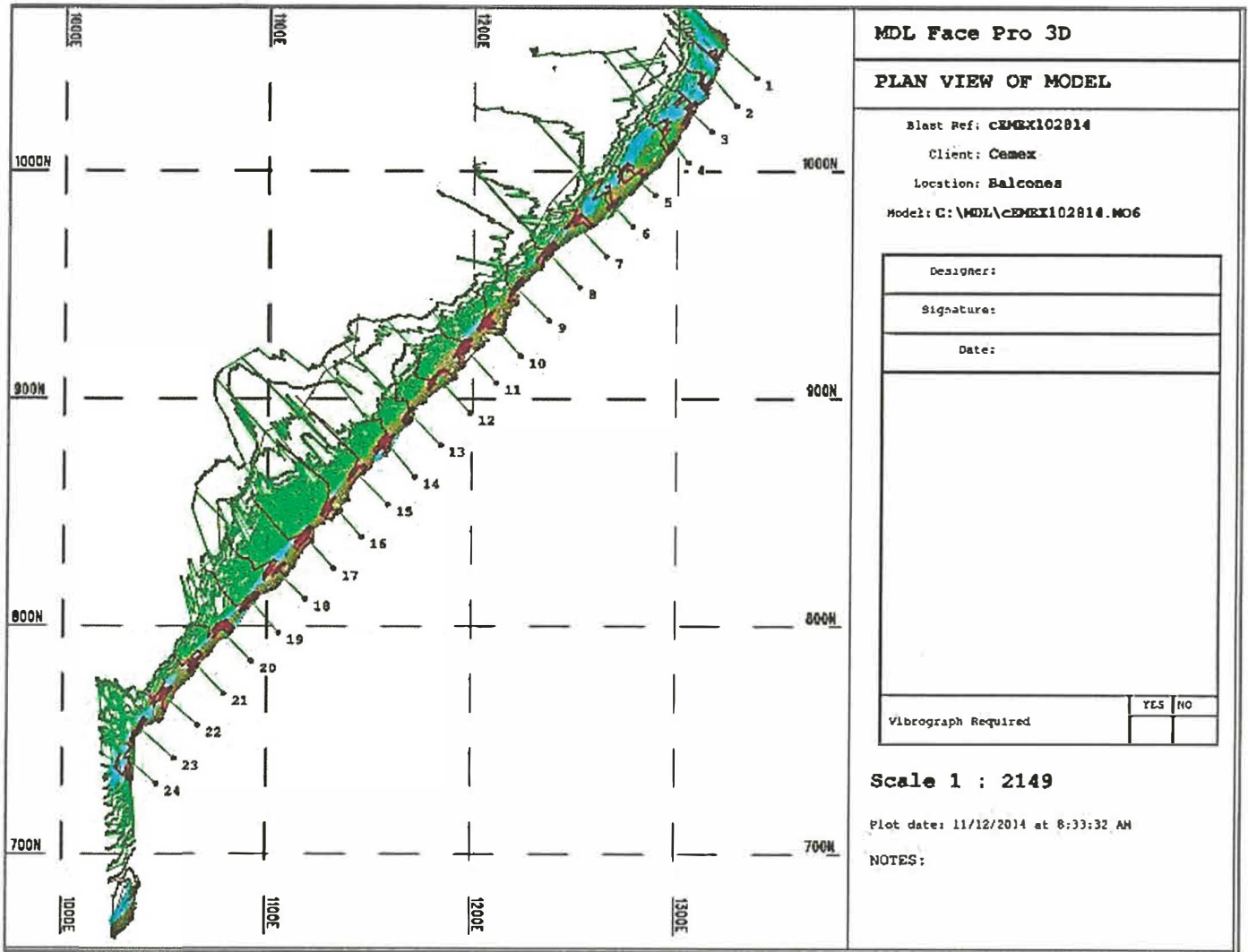
drill logs or observed by the blaster as he inspects the face; inert material will be placed in that area of the column to prevent venting which may increase air overpressure and noise. The powder column will be stopped at a predetermined distance from the top of the hole. This is called the stemming area and will be filled with crushed stone to create confinement at the surface.

Electronic Detonators

The development of electronic detonators has greatly improved the ability of our industry to reduce vibration from blasting. The accuracy of these detonators has allowed us to be very predictive as to our end results. Software has been developed which allows us to blast one hole, collect the vibration data; apply that data to a multiple hole scenario; and with a fair amount of accuracy predict what the results will be from that blast. The software we have allows us to enter the exact parameters of a particular blast pattern, and see what the vibration should be based of various timing sequences. Though our vibration levels are never close to a level which will do damage to a structure, we can many times find a sequence which is less perceivable and acceptable to the community.

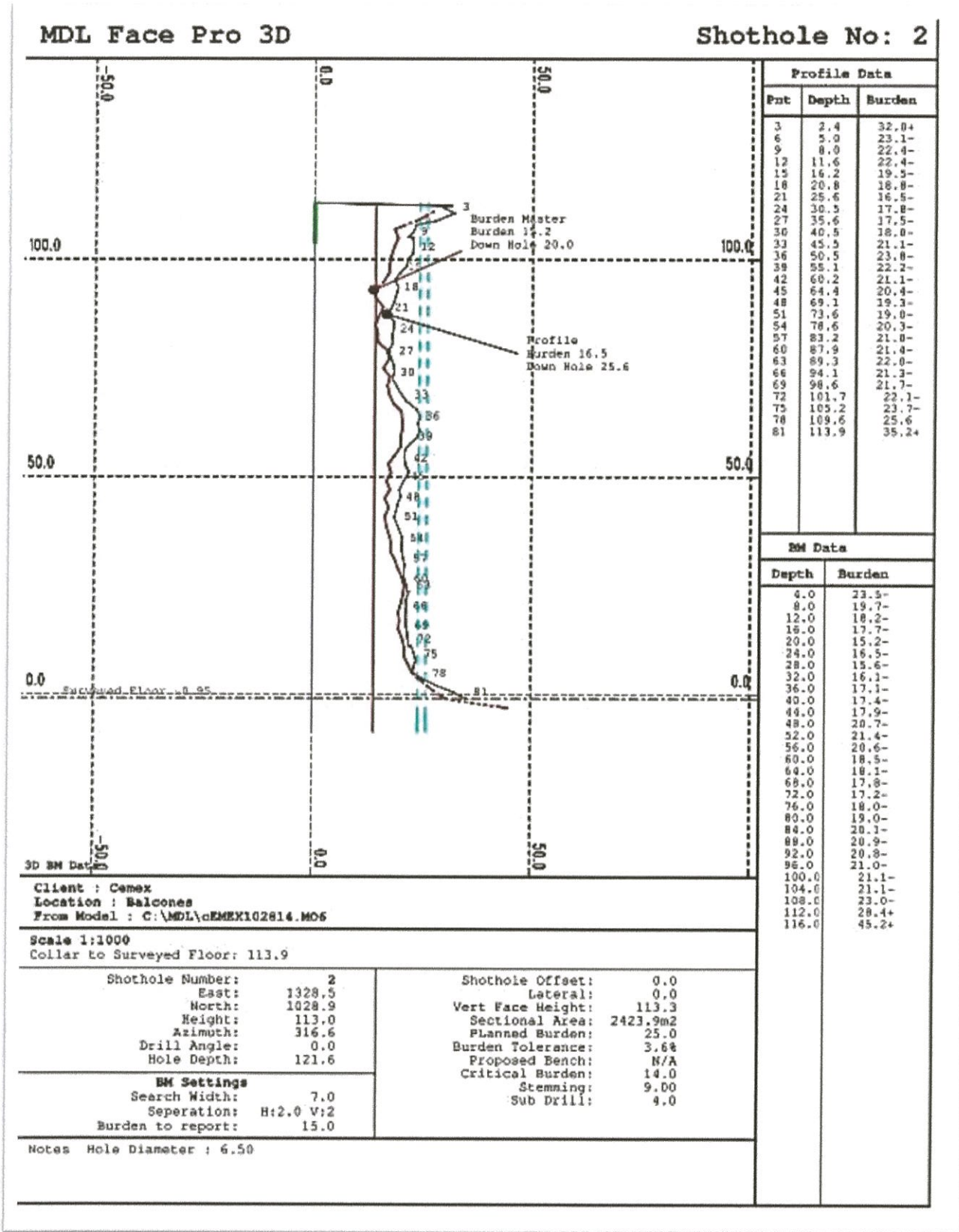
Conclusion

There are few places left where our customers have not had developments build around them. Buckley Powder has been very successful helping those customers deal with community concerns. We take great pride in our education program for our personnel concerning safety and technology. If you have further questions concerning our procedures, please contact us.



Aerial view of blast pattern created from 3D profile software

Profile of a blasthole. Burden master data is from searching 7' on either side of hole



Federal Explosives License/Permit (18 U.S.C. Chapter 40)

In accordance with the provisions of Title XI, Organized Crime Control Act of 1970, and the regulations issued thereunder (27 CFR Part 555), you may engage in the activity specified in this license or permit within the limitations of Chapter 40, Title 18, United States Code and the regulations issued thereunder, until the expiration date shown. **THIS LICENSE IS NOT TRANSFERABLE UNDER 27 CFR 555.53.** See "WARNINGS" and "NOTICES" on reverse.

Direct ATF Correspondence To	ATF - Chief, FELC 244 Needy Road Martinsburg, WV 25405-9431	License/Permit Number	5-TX-091-20-2J-01236
Chief, Federal Explosives Licensing Center (FELC)	<i>Christopher R. Reers</i>	Expiration Date	September 1, 2022

Name
BUCKLEY POWDER CO

Premises Address (Changes? Notify the FELC at least 10 days before the move.)
**6305 IH 35 NORTH
NEW BRAUNFELS, TX 78130-**

Type of License or Permit
20-MANUFACTURER OF EXPLOSIVES

Purchasing Certification Statement
The licensee or permittee named above shall use a copy of this license or permit to assist a transferor of explosives to verify the identity and the licensed status of the licensee or permittee as provided by 27 CFR Part 555. The signature on each copy must be an original signature. A faxed, scanned or e-mailed copy of the license or permit with a signature intended to be an original signature is acceptable. The signature must be that of the Federal Explosives Licensee (FEL) or a responsible person of the FEL. I certify that this is a true copy of a license or permit issued to the licensee or permittee named above to engage in the business or operations specified above under "Type of License or Permit."

Mailing Address (Changes? Notify the FELC of any changes.)
BUCKLEY POWDER CO
42 INVERNESS DRIVE EAST
ENGLEWOOD, CO 80112-

Lance Adams
Licensee/Permittee Responsible Person Signature
Lance Adams
Printed Name

Branch Manager
Position/Title
8/22/2019
Date

ATF Form 5400.14/5400.15 Part I
Revised October 2011

Previous Edition is Obsolete BUCKLEY POWDER CO:6305 IH 35 NORTH:78130:5-TX-091-20-2J-01236:September 1, 2022:20-MANUFACTURER OF EXPLOSIVES

Federal Explosives License (FEL) Customer Service Information

Federal Explosives Licensing Center (FELC)
244 Needy Road
Martinsburg, WV 25405-9431

Toll-free Telephone Number: (877) 283-3352
Fax Number: (304) 616-4401
E-mail: FELC@atf.gov

ATF Homepage: www.atf.gov

Change of Address (27 CFR 555.54(a)(1)). Licensees or permittees may during the term of their current license or permit remove their business or operations to a new location at which they intend regularly to carry on such business or operations. The licensee or permittee is required to give notification of the new location of the business or operations not less than 10 days prior to such removal with the Chief, Federal Explosives Licensing Center. The license or permit will be valid for the remainder of the term of the original license or permit. **(The Chief, FELC, shall, if the licensee or permittee is not qualified, refer the request for amended license or permit to the Director of Industry Operations for denial in accordance with § 555.54.)**

Right of Succession (27 CFR 555.59). (a) Certain persons other than the licensee or permittee may secure the right to carry on the same explosive materials business or operations at the same address shown on, and for the remainder of the term of, a current license or permit. Such persons are: (1) The surviving spouse or child, or executor, administrator, or other legal representative of a deceased licensee or permittee; and (2) A receiver or trustee in bankruptcy, or an assignee for benefit of creditors. (b) In order to secure the right provided by this section, the person or persons continuing the business or operations shall furnish the license or permit for for that business or operations for endorsement of such succession to the Chief, FELC, within 30 days from the date on which the successor begins to carry on the business or operations.

(Continued on reverse side)

Cut Here ✂

Federal Explosives License/Permit (FEL) Information Card

License/Permit Name: **BUCKLEY POWDER CO**

Business Name:

License/Permit Number: **5-TX-091-20-2J-01236**

License/Permit Type: **20-MANUFACTURER OF EXPLOSIVES**

Expiration: **September 1, 2022**

Please Note: Not Valid for the Sale or Other Disposition of Explosives.



12/12/2018

NOTICE OF CLEARANCE

for individuals transporting, shipping, receiving, or possessing explosive materials.

ISSUED TO: BUCKLEY POWDER CO

Federal Explosives license/permit no.: 5-TX-091-20-9J-01236

NOTICE DATE: 12/12/2018

Expiration Date: **September 1, 2019**

EXPIRATION DATE: This Notice expires when superseded by a newer Notice which will list all current responsible persons and employee possessors, or when the license or permit expires - whichever comes first.

Explosives License/Permit Type: 20-MANUFACTURER OF EXPLOSIVES

- ① **WARNING.** Only those individuals listed below as **RESPONSIBLE PERSONS** and **EMPLOYEE POSSESSORS** with a background clearance status of "CLEARED" or "PENDING" are authorized to transport, ship, receive, or possess explosive materials in the course of employment with you.
- ② **"DENIED" STATUS.** If an employee possessor has a background clearance status of "DENIED", you **MUST** take immediate steps to remove the employee from a position requiring the transporting, shipping, receiving, or possessing of explosive materials. Also, if the employee has been listed as a person authorized to accept delivery of explosive materials, you **MUST** remove the employee from such list and immediately, and in no event later than the second business day after such change, notify distributors of such change, as stated in 27 CFR 555.33(a).
- ③ **CHANGE IN RESPONSIBLE PERSONS.** You **MUST** report any change in responsible persons to the Chief, Federal Explosives Licensing Center, within 30 days of the change and new responsible persons **MUST** include "appropriate identifying information" as defined in 27 CFR 555.11. Fingerprints and photos are **NOT** required, however they will be required upon renewal of the license or permit.
- ④ **CHANGE OF EMPLOYEES.** You **MUST** report any change of employee/possessors to the Chief, FELC, within 30 days. Reports relating to newly hired employees must be submitted on ATF Form 5400.28 for **EACH** employee.

Premises Address: 6305 IH 35 NORTH
NEW BRAUNFELS, TX 78130

Mailing Address:
BUCKLEY POWDER CO
42 INVERNESS DRIVE EAST
ENGLEWOOD, CO 80112

This 'Notice of Clearance' is provided to you as required by 18 U.S.C. 843(h) and **MUST** be retained as part of your permanent records and be made available for examination or inspection by ATF officers as required by 27 CFR 555.121. If you receive a Notice subsequent to this Notice, this Notice will no longer be valid.

In accordance with 27 CFR 555.33, Background Checks and Clearances, and 27 CFR 555.57, Change of Control, Change in Responsible Persons, and Change of Employees, ATF's Federal Explosives Licensing Center (FELC) has conducted background checks on the individual(s) you identified as a responsible person(s) and an employee/possessor(s) on your application, or reported after the issuance of your license/permit.

The following is a **SUMMARY** of the results of the background checks conducted on the individuals you reported as responsible persons and employee/possessors. ATF will be notifying **ALL** individuals listed on this document of their respective status by separate letter mailed to their residence address.

PLEASE BE ADVISED THAT IT IS UNLAWFUL FOR ANY PERSON REFLECTING A STATUS OF "DENIED" TO TRANSPORT, SHIP, RECEIVE, OR POSSESS EXPLOSIVE MATERIALS.

Please carefully review this Notice to ensure that all the information is accurate. If this Notice is incorrect, please return the Notice to the Chief, FELC, with a statement showing the nature of the error(s). The Chief, FELC, shall correct the error, and return a corrected Notice.

Number of RESPONSIBLE PERSON(S) : 7
Number of EMPLOYEE POSSESSOR(S): 32

continued

LAST NAME, First Name, Middle Name	Clearance Status
RESPONSIBLE PERSONS:	
0001 ADAMS, LANCE HENRY	Cleared
0002 BRETZING, STEPHEN KARL	Cleared
0003 BUCKLEY, RAYMOND LEE JR	Cleared
0004 BUCKLEY, STEVE LEE	Cleared
0005 HERMAN, SCOTT EDWARD	Cleared
0006 MEDLIN, JASON SCOTT	Cleared
0007 PUMPHREY, JAY ROY	Cleared

LAST NAME, First Name, Middle Name	Clearance Status
EMPLOYEE POSSESSORS:	
0001 ALTHOFF, DUSTIN JAMES	Cleared
0002 BORG, DARRYL JOSEPH	Cleared
0003 BROWN, BRADLEY EUGENE	Cleared
0004 CATES, JOSHUA LEE	Cleared
0005 CORTEZ, ISAAC	Cleared
0006 DAMON, BRANDON EDWARD	Cleared
0007 DARRAGH, ROBERT HART JR	Cleared
0008 DAVIS, STEVEN EDWARD	Cleared
0009 DIRST, SETH RUSTIN	Cleared

15X 09120 01236 Explosives License September 1, 2019 BUCKLEY POWDER CO 6305 IH 35 NORTH NEW BRAUNFELS, TX 78130

NOTICE OF CLEARANCE

12/12/2018

for individuals transporting, shipping, receiving, or possessing explosive materials.

NOTICE DATE: 12/12/2018

EXPIRATION DATE: This Notice expires when superseded by a newer Notice which will list all current responsible persons and employee possessors, or when the license or permit expires - whichever comes first.

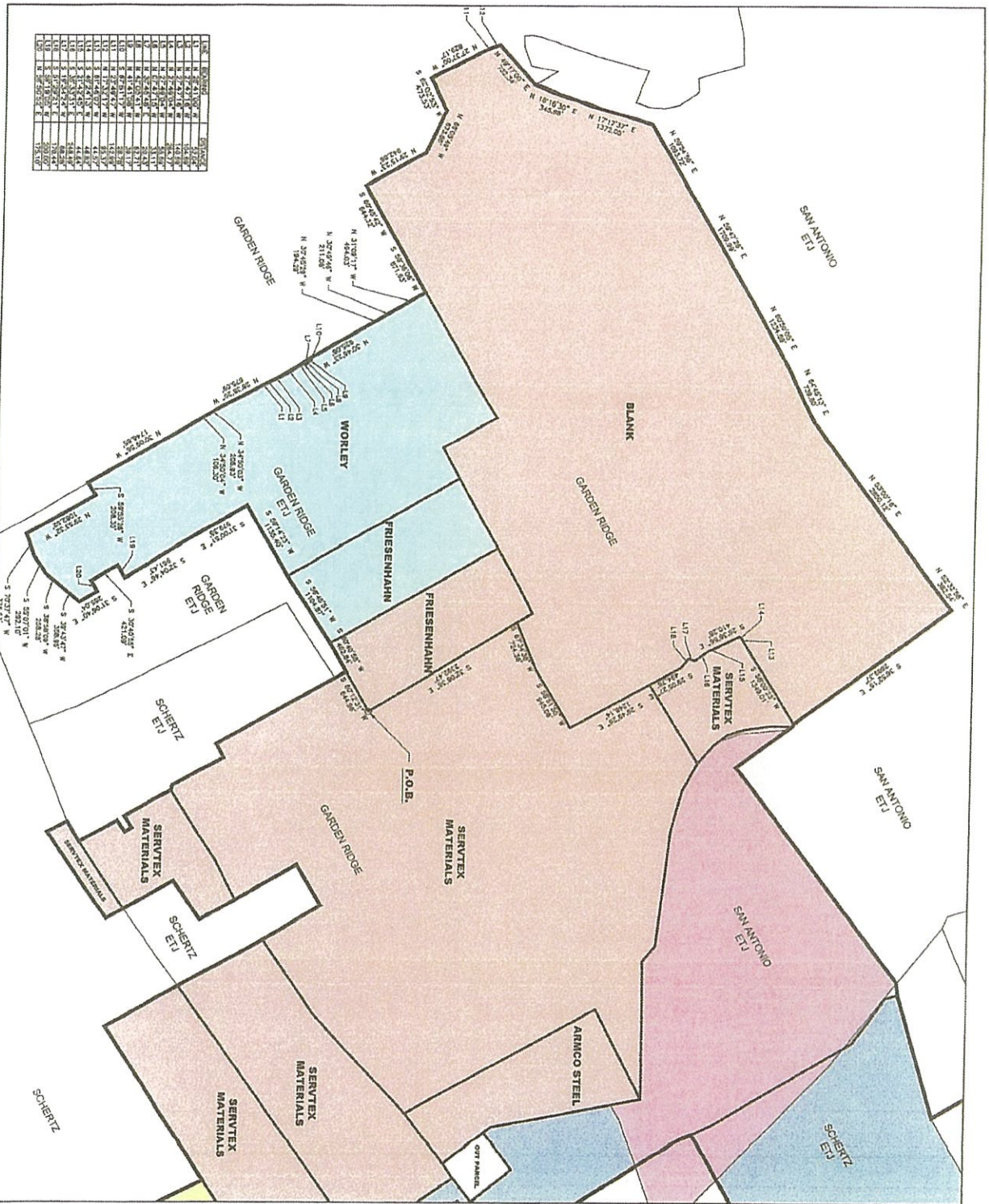
This 'Notice of Clearance' is issued to: BUCKLEY POWDER CO
Federal Explosives license/permit no.: 5-TX-091-20-9J-01236
Explosives License/Permit Type : 20-MANUFACTURER OF EXPLOSIVES
Expiration Date : September 1, 2019

6305 IH 35 NORTH
NEW BRAUNFELS, TX 78130

continued from previous page

LAST NAME, First Name, Middle Name	Clearance Status
0010 EMBRY, TRENT OLIN	Cleared
0011 ESPINOZA, DARRELL JIM	Cleared
0012 HADLEY, JOSHUA LOUIS	Cleared
0013 HOPE, JASON LANCE	Cleared
0014 MARRS, JILL	Cleared
0015 MIMS, JOHN J	Cleared
0016 MIRABELLI, LAWRENCE JOHN	Cleared
0017 MITCHELL, DERIK CHANTZ	Cleared
0018 MITCHELL, ETHAN CHASE	Cleared
0019 OREAR, RYAN RANDAL	Cleared
0020 OLMA, ROY O	Cleared
0021 PENA, EDWARD DOUGLAS H	Cleared
0022 PUMPHREY, ADRIAN RILEY	Cleared
0023 SCHUGH, RODNEY ALBERT	Cleared
0024 SNIDER, CLINTON DAVID	Cleared
0025 STALTER, LANE DOSS	Cleared
0026 SUSTAITA, JOHNATHAN RYAN	Cleared
0027 VALDEZ, JACOB BENNETT	Cleared
0028 WEAVER, RICHARD ALLEN	Cleared
0029 WEIR, CHRISTOPHER FRANKLIN	Cleared
0030 WILLIAMS, JOSHUA CHAD	Cleared
0031 BATEMAN, JOHN WALKER	Pending
0032 DIAZ, MELISSA SELIN Y	Pending

LAST NAME, First Name, Middle Name Clearance Status



Block	Area	Acres	Area	Acres	Area	Acres	Area	Acres
1	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
2	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
3	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
4	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
5	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
6	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
7	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
8	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
9	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
10	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
11	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
12	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
13	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
14	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
15	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
16	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
17	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
18	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
19	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
20	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
21	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
22	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
24	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
25	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
26	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
27	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
28	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
29	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
30	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
31	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
32	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
33	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
34	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
35	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
36	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
37	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
38	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
39	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
40	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
41	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
42	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
43	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
44	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
45	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
46	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
47	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
48	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
49	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
50	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
51	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
52	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
53	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
54	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
55	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
56	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
57	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
58	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
59	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
60	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
61	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
62	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
63	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
64	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
65	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
66	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
67	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
68	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
69	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
70	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
71	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
72	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
73	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
74	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
75	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
76	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
77	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
78	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
79	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
80	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
81	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
82	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
83	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
84	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
85	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
86	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
87	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
88	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
89	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
90	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
91	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
92	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
93	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
94	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
95	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
96	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
97	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
98	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
99	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
100	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23

GRAPHIC SCALE:
1" = 100'

LEGEND

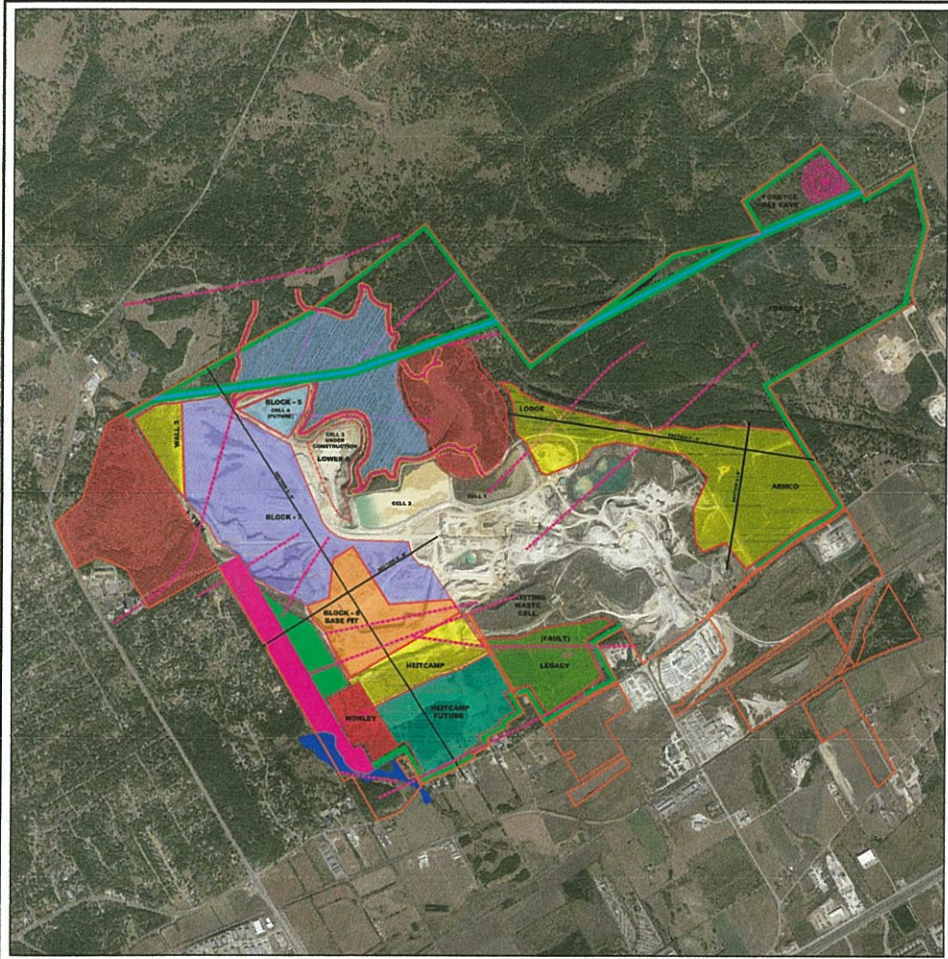
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- GARDEN RIDGE
- GARDEN RIDGE - ETJ
- SCHERTZ
- SCHERTZ - ETJ
- SAN ANTONIO - ETJ

PROPERTY MAP WITH METES & BOUNDS FOR PARTIAL EXEMPTION PERMIT FOR BLASTING

LEIGH HANSON REGION SOUTH SERVTEX QUARRY COMAL COUNTY, TEXAS

Lehigh Hanson
HEIDELBERGCEMENT Group

DATE: 01/20/2017	PROJECT: SERVTEX QUARRY	SCALE: 1" = 100'	BY: [Signature]
CHECKED: [Signature]	DATE: 01/20/2017	PROJECT: SERVTEX QUARRY	SCALE: 1" = 100'
APPROVED: [Signature]	DATE: 01/20/2017	PROJECT: SERVTEX QUARRY	SCALE: 1" = 100'



TONNAGE FACTOR: 2 T/CY
WASTE FACTOR: 30 %

WEST OF COMAL CREEK

AREA	OVS			MINEABLE AREA (ACRE)
	(MCY)	AS UNIT (MCY)	C UNIT (MCY)	
WORLEY	0.53	4.4	0	28.7
BLOCK 5 (LOWER C-UNIT)	0	1.07	0.96	20.2
BLOCK 7 (LOWER C-UNIT)	0.29	14.7	7.01	247.1
BLOCK 9 (BASE PIT)	0.52	5.6	1.35	68.5
WALL 1 / WALL 3	0.20	5.84	0.47	26.4
HEITCAMP	0.59	8.39	0.03	25.4
HEITCAMP FUTURE	4.65	15.17	0	94.6
LEGACY	1.93	7.55	0.03	69.9
ARIMCO - LODGE	2.83	24.31	4.48	220
TOTAL ESTIMATED VOLUME (MCY)	11.64	69.63	13.93	
ESTIMATED SALEABLE TONS		121.56	19.50	
ESTIMATED TOTAL SALEABLE TONS			141.06	

EAST OF COMAL CREEK

AREA	OVS			MINEABLE AREA (ACRE)
	(MCY)	AS UNIT (MCY)	C UNIT (MCY)	
FORDYCE (MAIN)	1.51	57.8	9.1	402.5
FORDYCE (BAT CAVE)	0.03	5.5	1	21.2
TOTAL ESTIMATED VOLUME (MCY)	1.54	63.3	10.1	
ESTIMATED SALEABLE TONS		88.62	20.20	
ESTIMATED TOTAL SALEABLE TONS			108.82	

NOTE:
1. THE AVAILABLE SITE TOPOGRAPHY HAS BEEN REVISED TO REFLECT THE SITE CONDITIONS WHICH CAN BE VIEWED ON THE AERIAL PHOTOGRAPH DATED 1/12/2018
2. A MODEL WHICH DETAILS THE GEOLOGICAL STRATA OF THE DEPOSIT FOR THE FORDYCE AND FORDYCE BAT CAVE AREAS HAS NOT BEEN DEVELOPED. VOLUME ESTIMATES FOR THESE AREAS HAVE COME DIRECTLY FROM SERVEX CLASSIFICATION OF ESTIMATED VOLUMES - 2016, CLASSIFICATION TABLE.

LEHIGH HANSON
SERVEX QUARRY
COMAL COUNTY, TEXAS

GEOLOGICAL STRATA
VOLUME ESTIMATE
(PROVIDED PROBABLE RESERVES)
8-25-2018

S-1

Print

City Commission Volunteer Interest Form - Submission #2229

Date Submitted: 8/5/2020



City of Garden Ridge

"A way of life, not just a place to live"

City Commission Volunteer Interest Form

First Name*

Gary

Last Name

Dellinger

Address*

9040 Sumac Cove

Phone Number

2105400790

Email Address

Date of Birth*

11/25/1967

Voter Unique Identifier (VUID)

Qualifications from Ordinance No. 210*

Please check all the boxes that apply to you.

- A registered voter in Garden Ridge, TX
- Has resided in the City for at least six (6) months
- Has not been convicted of a felony
- Has not been found mentally incompetent by a final judgment of a court

Occupation

North American Product Line Manager

Please check which of the following Commission you have a desire to serve on:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Planning and Zoning Commission | <input checked="" type="checkbox"/> Wildlife Management Advisory Commission |
| <input checked="" type="checkbox"/> Quarry Commission | <input type="checkbox"/> Any City Commission |
| <input checked="" type="checkbox"/> Water Commission | |

Tell us why you desire to serve on a City Commission.

To better serve the citizens of my city and be more aware of current and upcoming activities.

List any Boards, Commissions or Committees you have previously served on in Garden Ridge or other entities.

Forest Waters Secretary; Forest Waters President

Please attach your resume or a bio.*

Dellinger_Gary Resume V2.2.pdf

Date

8/5/2020

A resume or a bio is required to be submitted with Volunteer Interest Form.

GARY DELLINGER

9040 Sumac Cove
Garden Ridge, TX 78266

210.540.0790

MANAGEMENT ○ TECHNICAL SALES ○ BUSINESS DEVELOPMENT ○ OPERATIONS

Competencies

- BUSINESS ANALYTICS
- PROFIT AND LOSS
- PEOPLE MANAGEMENT
- SOLUTION PROVIDER
- PRODUCT AND MARKET STRATEGY
- TECHNICAL TRAINING AND DEVELOPMENT
- INVENTORY AND ASSET OPTIMIZATION
- TEAM BUILDING & LEADERSHIP

Highlights & Selective Achievements

- Strategic leader of 2 separate corporate initiatives reducing spend and increasing profitability
- Inventor of method for developing AlphaST® Single Trip Openhole Sidetrack System (patent pending)
- Successfully turned around failing business in depressed market
- Incorporated multiple disciplines changing mindsets re-branding business in Permian
- Initiated and managed 2 separate training efforts expanding talent pool and promoting from within
- Over 700 successful casing exits completed
- Trained several hundred Weatherford employees in best practices of cutting, fishing and milling

Career History

Weatherford, US GeoZone Service Delivery Manager, ISDT/WH, 04/2018 – Present

First ever Service Delivery Manager for these product lines.

- ◇ Responsible for providing leadership through the CPAR process.
- ◇ Developed and managed a team of highly skilled technical specialists.
- ◇ Personally assessed assets at each of 24 locations to maximize utilization through redeployment.
- ◇ Standardized product line pay structure across the region.

Weatherford, Pearland TX, Operations Manager, Drilling Tools and Intervention, 10/2017 – 04/2018

Brought into struggling business location to turn it around. Tripled revenue (\$396K -\$990K), vastly increased EBITDA (-62.8% to +46.6%)

- ◇ Responsible for setting budgetary targets for revenue, profit and costs for Drilling Rental Tools, Fishing Services, Casing Exit Products.
- ◇ Quickly identified several areas of weakness in the overall business and took steps to improve systems and processes.
- ◇ Took a culture of apathy toward business process and turned it into one of understanding and action to improve the profitability.
- ◇ Developed a team of highly dedicated and motivated individuals.

Weatherford, Texas Area, Product Line Manager, Fishing and Re-Entry, 11/2016 – 10/2017

Promoted to managing the busiest area within the US region.

- ◇ Promoted and enforced "Safety First – Safety Always" culture in area.
- ◇ Assisted in the global development of a standardized fishing job report.
- ◇ Instituted mentor-based fishing training in Permian area (mini Fast-Track.)
- ◇ Changed local management which, in time, translated to ~15% EBITDA increase.
- ◇ Promoted strict adherence Process and Procedure.
- ◇ Worked side-by-side with Permian sales to rebuild brand in area.

Weatherford, Texas Area, Fishing Manager, 10/2013 – 11/2016

Promoted from field operations.

- ◇ Managed Fishing operations in the Eagleford area.
- ◇ Supervised and directed the activities of, as well as mentor, 10 Fishing Tool Supervisors.
- ◇ Assisted and directed Open and Cased Hole operations in challenging vertical and horizontal conditions in Onshore and Offshore locations.
- ◇ Maintained excellent customer relations through technical expertise.

Weatherford, Wilburton OK, Corpus Christi TX, Wellsite Supervisor, 04/2008 – 10/2013

Provided expert level wellsite supervision for customers throughout the Mid-Continent Area.

- ◇ Supervised down-hole operations, as well as onsite operations for customers, as needed and directed.
- ◇ Supervised and directed open hole / cased hole fishing and re-entry operations in vertical and horizontal conditions.
- ◇ Maintained detailed, high level, records (BHA, Pipe tally, Jar analysis, Job reporting, etc.)

Weatherford, Houston TX/OKC OK, Technical Specialist, US Region, 2003 – 2008

Provided technical expertise and management for product line growth.

- ◇ Liaised between field supervisors and engineering on design and development of down hole tools.
- ◇ Prepared written procedures for various types of down hole tools and assist with sales and marketing of tools.
- ◇ Coordinated and managed collaboration between customers and supervisors before, during and after high profile jobs.
- ◇ Managed adequate inventories for growing the US Casing Exit market.
- ◇ Responsible for investigating and providing closure of issues relating to problem jobs.

Weatherford, Houston TX, Global Field / Classroom Trainer, 1998 - 2003

Trained hundreds of employees in the best practices and procedures of fishing and milling techniques.

- ◇ Assisted in the design and development of a vast array of fishing and milling tools (TripSaver® and QuickCut® Casing Exit Systems.)
- ◇ Introduced new tools to various parts of the world, supervised and performed ultra-high-profile jobs in Onshore and Offshore locations
- ◇ Trained individuals on new and prototype tools, in both field and classroom settings. Wrote and published procedures on new tools.
- ◇ Designed, developed and delivered a Dispatcher training course to hundreds of Weatherford employees.

Weatherford, Liberal KS, Fishing Tool Supervisor, 1995 - 1998

Provided downhole fishing and milling services in vertical and horizontal applications.

- ◇ Supervised down hole fishing / milling operations and services.
- ◇ Trained individuals on fishing and milling best practices.
- ◇ Interacted one on one with customer representatives and fostered those relationships.
- ◇ Provided and maintained detailed documentation regarding well information.

Weatherford, Wilburton OK, Shophand/Dispatcher/Shop Foreman, 1990 - 1995

- ◇ Fortified and fostered a "Safety First – Safety Always" culture.
- ◇ Prepared tools / jobs for dispatch to customer location.
- ◇ Prepared all necessary paperwork for tools / jobs being shipped to customer locations.
- ◇ Supervised all aspects of Fishing and Rental shop functions.

Education & Specialized Training

- **Eastern Oklahoma State College (2 years)**
- **University of Oklahoma – Train the Trainer Certification**
- **Weatherford Management Development**
- **Weatherford Team Development**
- **Weatherford Financial Training**
- **Weatherford TapRoot®**

QUARRY COMMISSION

Name	PL	Appt/ Expires	Appt/ Expires	Appt/ Expires	Appt/ Expires	Appt/ Expires	Appt/ Expires	Appt/ Expires	Appt/ Expires
Albert Haddad	1	Oct 15 Sept 17	Sept 17 Sept 19	Sept 19 Sept 21					
Johnell Holly	2	Sept 08 Sept 10	Sep 10 Sept 12	Sep 12 Sept 14	Sept 14 Sept 16	Sept 16 Sept 18	Sept 18 Sept 20		
Jerry Barucky	3	Sep 14 Sept 16	Sept 16 Sept 18	Sept 18 Sept 20					
Wayne Mudge	4	Oct 07 Sept 09	Sept 09 Sept 11	Sept 11 Sept 13	Sept 13 Sept 15	Sept 17 Sept 19	Sept 19 Sept 21		
Armando Diaz	5	Sept 19 Sept 21 (P)							
Mike Shands	6	Jan 14 Sept 15	Sept 15 Sept 17	Sept 17 Sept 19	Sept 19 Sept 21				
Vacant	7	? Sept 22							

(P)= Partial term of less than ½ the term remaining

Future Agenda Items

Quarry Commission

November 9, 2020

Regular Meeting

- 12 days before Meeting (10/28/20) Commission and Staff items are due
- 10 days before Meeting 10/30/20) City Administrator and Chair review agenda. City Attorney is sent the agenda for approval.
- 7 days before Meeting (11/02/20) 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 (11/05/20) Post Agenda Packet to CivicClerk
- 3 days before Meeting (11/06/20) (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 9-14-20

Public Hearings/Recommendations

Discussion/Reports

1. Monthly Blasting Analysis Data and Monitoring of Blasts
2. Citizen Blast Impact Reports
3. City Council Update
4. Ordinance No. 210-022018
5. Future Agenda Items
 - a. Commissioners' input

Education/Training Session

Executive Session

PENDING FUTURE AGENDA ITEMS
