



City of Garden Ridge

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

AGENDA QUARRY COMMISSION REGULAR MEETING MONDAY, JULY 12, 2021, 6:00 P.M.

The Garden Ridge Quarry Commission will meet in a regular session on Monday, July 12, 2021, 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 18, 2021, Quarry Commission Regular Meeting.

b) Discussions/Reports/Updates

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

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

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, 2021-September 30, 2022.
 - 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. Discuss and accept the resignation of Commissioner Haddad.
 - ii. Interview possible candidates for Quarry Commission, Place 1 vacancy (term expiring September 30, 2021).
 - iii. Make recommendation to City Council for appointment of commissioner.
 - iv. Discuss expiring terms (September 30, 2021) of Commissioner Mudge, Commissioner Diaz and Commissioner Shands.
 - 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. Review "Quarry Terminology".
2. Discuss "Blasting Educational Materials" with Vibratech, Hanson representatives, blasting contractors, and the public.
3. Discuss future education/training sessions and Grapevine articles.

e) Future Agenda Items

1. Commissioners input on agenda items.
2. Announce the date, time, and location for next meeting (September 13, 2021, at 6pm in City Hall).

6. **Citizen Comment Period** – limited to 20 minutes total
See "Rules for Citizen's Participation" under Item 4.

7. **Adjournment**

AGENDA NOTICES:

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

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

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

This is to certify that I, Kat Balbi, posted this Agenda at 11:00 a.m. on July 8, 2021, 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 8, 2021, 6:00 P.M.

Commissioners Present:

Chair Johnell Holly (Arrived at 6:07pm)
Vice-Chair Jerry Barucky
Commissioner Mike Shands
Commissioner Albert Haddad
Commissioner Wayne Mudge
Commissioner Armando Diaz
Commissioner David Biersner

Commissioners Absent:

Councilmember Bryan Lantzy, Ex-officio

City Staff, City Councilmembers, or Other Commissioners Present:

Nancy Cain, City Administrator
Marisa Spencer, City Secretary
Kat Balbi, Assistant City Secretary
Councilmember Kay Bower

1. Call to Order

With a quorum of the Quarry Commissioners present, Vice-Chair Barucky called the regular meeting of the Garden Ridge Quarry Commission to order at 6:00 p.m. on Monday, March 8, 2021, 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: Vice-Chair Barucky led the Pledge of Allegiance.

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

5. Business Items

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

a) Approvals

1. Approval of Minutes for January 11, 2021, Quarry Commission Regular Meeting.

Motion: A motion was made by Commissioner Mudge, seconded by Commissioner Haddad, to approve the January 11, 2021, 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 Vibra-Tech. Discussion with Hanson Servtex and blasting contractors on recent quarry operations, including any unusual blasts that occurred during reported month/s and/or current month.

David Lerner, Vibra-Tech, presented and discussed the January blast analysis. He stated that 10 shots occurred during the month of January and none of the blasts exceeded the limits of Ordinance No. 34. He reported the highest PPV reading of 0.133 occurred on January 8th at the Warden Residence and the highest Air Overpressure of 117 dB occurred on January 8th at the Warden Residence.

David Lerner, Vibra-Tech, presented and discussed the February blast analysis. He stated that 5 shots occurred during the month of February and none of the blasts exceeded the limits of Ordinance No. 34. He reported the highest PPV reading of 0.205 occurred on February 24th at the Warden Residence and the highest Air Overpressure of 112 dB occurred on February 3rd at the Warden Residence.

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

David Lerner, Vibra-Tech, spoke regarding the 14 citizen blast reports received from January through February and answered questions from the Commission. He presented new reporting material for citizen blast reports and the Commission requested to review it at every meeting.

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

The Commission discussed moving the roving locations to places recommended by Vibra-Tech. Chair Holly spoke regarding the roving monitor collecting data at the Bower Residence.

- 4. Items applicable to the Quarry Commission discussed at the February and March 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.

c) Recommendations

- 1. 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 resignation of Commissioner Haddad.**

- ii. Interview possible candidates for the Quarry Commission Place 1 vacancy (term expiring September 30, 2021).**

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

Chair Holly stated the interviewee could no longer interview for the Quarry Commission. Commissioner Haddad spoke regarding his desire to continue to serve on the Commission. Vice-Chair Barucky formally thanked Commissioner Biersner for serving on the Quarry Commission.

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

Chair Holly spoke regarding the waiver approved by City Council for the provision in Ordinance No. 210 that requires Commissioners to attend two (2) City Council regular meetings each calendar year during the current public health emergency and stated Commissioners are still encouraged to attend City Council meetings.

d) Education/Training

- 1. Review “Quarry Terminology”.**

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

- 2. Discuss “Blasting Educational Materials” with Vibra-Tech, Hanson representatives, blasting contractors, and the public.**

Nicholas Reitinger, Vibra-Tech, presented an updated “Blasting Educational Materials” and answered questions from the Commission.

- 3. Discuss future education/training sessions and Grapevine articles.**

Commissioner Mudge spoke regarding submitting an article for the April Grapevine.

e) Future Agenda Items

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

The Commission had none at this time.

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

Chair Holly stated the May 10, 2021, Quarry Commission Regular Meeting is cancelled due to canvassing of the General Election and announced the next Quarry Commission Regular Meeting will be held on Monday, July 12, 2021, at 6:00 p.m. at City Hall.

6. Citizen Comment Period:

Kay Bower, 8947 Garden Ridge Drive, spoke regarding the roving monitor located at her property.

7. Adjournment

Motion: A motion was made by Commissioner Mudge, seconded by Commissioner Haddad, to adjourn. The Commission voted six (6) for and none (0) opposed. The motion carried unanimously. There being no further business, the Monday, March 8, 2021, Quarry Commission Regular Meeting was adjourned at 7:38p.m. by Chair Holly.

ATTEST:

Johnell Holly
Chair

Kat Balbi
Assistant City Secretary



April 7, 2021

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 March 2021 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2021 Blast Data Management Book.

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

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

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

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

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

Respectfully submitted,

VIBRA-TECH, INC.



Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex



03/04/2021 Upper W. 3I

03/23/2021 Lower W. 3I

03/03/2021 Pond 4 Level 1 W. B

03/31/2021 Pond 4 Level 1 W. A

03/12/2021 Lower W. 3G

03/11/2021 Aggie Pit W. B

03/30/2021 Aggie Pit E. A

03/02/2021 Base Pit N.E. A

03/09/2021 Base Pit N. A

03/17/2021 Base Pit E. A

Warden Property Line Warden

City Property Line

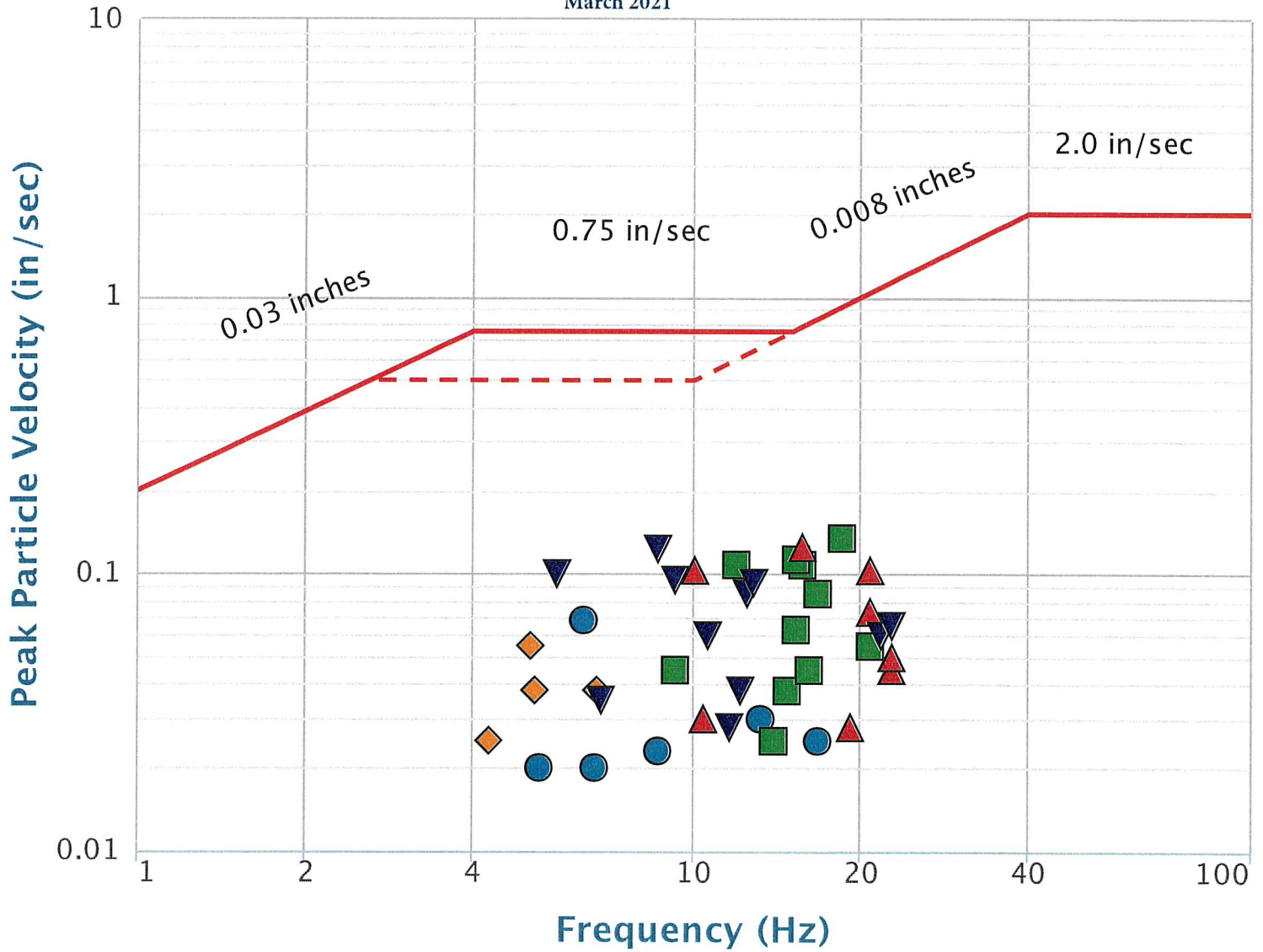
Google Earth

© 2021 Google

2252
3000 ft

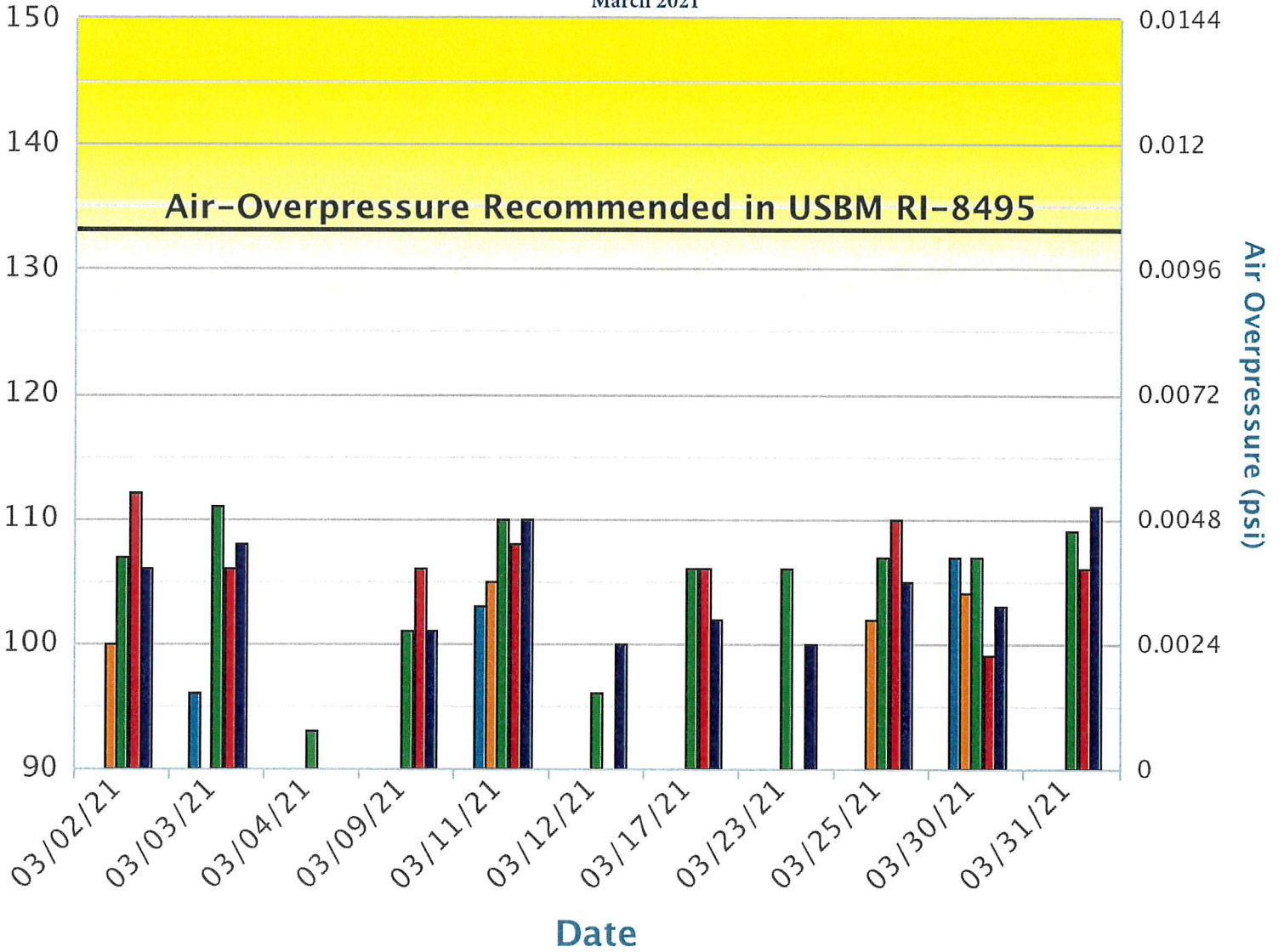


Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
March 2021



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

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 March 2021



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2021**

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
03/02/21	03/02/2021 Base Pit N.E. A	N 29° 38' 24.85" W 098° 17' 5.03"	SUNNY 68° SE 15	13:10	NT	NT	NT	900	529.00	9,453	Bower Residence
03/02/21	03/02/2021 Base Pit N.E. A	N 29° 38' 24.85" W 098° 17' 5.03"	SUNNY 68° SE 15	13:10	0.038	5.2	100.0	900	529.00	4,323	City Property Line
03/02/21	03/02/2021 Base Pit N.E. A	N 29° 38' 24.85" W 098° 17' 5.03"	SUNNY 68° SE 15	13:10	0.103	20.8	112.0	900	529.00	2,125	Holly - 9916 Trophy Oaks
03/02/21	03/02/2021 Base Pit N.E. A	N 29° 38' 24.85" W 098° 17' 5.03"	SUNNY 68° SE 15	13:10	0.023	8.6	90.0	900	529.00	6,974	Michels - 9118 Tuscan Hills
03/02/21	03/02/2021 Base Pit N.E. A	N 29° 38' 24.85" W 098° 17' 5.03"	SUNNY 68° SE 15	13:10	0.100	5.7	106.0	900	529.00	3,086	Warden - 21375 Gunther Grove
03/03/21	03/03/2021 Pond 4 Level 1 W. B	N 29° 38' 59.62" W 098° 17' 21.01"	SUNNY 65° SE 9	13:15	NT	NT	NT	1826	402.00	10,691	Bower Residence
03/03/21	03/03/2021 Pond 4 Level 1 W. B	N 29° 38' 59.62" W 098° 17' 21.01"	SUNNY 65° SE 9	13:15	NT	NT	NT	1826	402.00	4,793	City Property Line
03/03/21	03/03/2021 Pond 4 Level 1 W. B	N 29° 38' 59.62" W 098° 17' 21.01"	SUNNY 65° SE 9	13:15	0.020	6.6	96.0	1826	402.00	5,350	Michels - 9118 Tuscan Hills
03/03/21	03/03/2021 Pond 4 Level 1 W. B	N 29° 38' 59.62" W 098° 17' 21.01"	SUNNY 65° SE 9	13:15	0.060	10.6	108.0	1826	402.00	4,070	Warden - 21375 Gunther Grove
03/03/21	03/03/2021 Pond 4 Level 1 W. B	N 29° 38' 59.62" W 098° 17' 21.01"	SUNNY 65° SE 9	13:15	0.063	15.2	111.0	1826	402.00	3,769	Warden Property Line
03/04/21	03/04/2021 Upper W. 3I	N 29° 39' 1.14" W 098° 17' 50.32"	SUNNY 75° SE 17	13:45	NT	NT	NT	976	60.00	9,415	Bower Residence
03/04/21	03/04/2021 Upper W. 3I	N 29° 39' 1.14" W 098° 17' 50.32"	SUNNY 75° SE 17	13:45	NT	NT	NT	976	60.00	3,980	City Property Line
03/04/21	03/04/2021 Upper W. 3I	N 29° 39' 1.14" W 098° 17' 50.32"	SUNNY 75° SE 17	13:45	0.025	16.7	90.0	976	60.00	2,981	Michels - 9118 Tuscan Hills
03/04/21	03/04/2021 Upper W. 3I	N 29° 39' 1.14" W 098° 17' 50.32"	SUNNY 75° SE 17	13:45	0.038	12.2	87.0	976	60.00	3,970	Warden - 21375 Gunther Grove
03/04/21	03/04/2021 Upper W. 3I	N 29° 39' 1.14" W 098° 17' 50.32"	SUNNY 75° SE 17	13:45	0.038	14.7	93.0	976	60.00	3,720	Warden Property Line
03/09/21	03/09/2021 Base Pit N. A	N 29° 38' 22.90" W 098° 17' 9.20"	PARTLY CLOUDY 71° S 30	13:19	NT	NT	NT	1424	210.00	9,036	Bower Residence

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2021**

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
03/09/21	03/09/2021 Base Pit N. A	N 29° 38' 22.90" W 098° 17' 9.20"	PARTLY CLOUDY 71° S 30	13:19	NT	NT	NT	1424	210.00	3,947	City Property Line
03/09/21	03/09/2021 Base Pit N. A	N 29° 38' 22.90" W 098° 17' 9.20"	PARTLY CLOUDY 71° S 30	13:19	0.125	15.6	106.0	1424	210.00	1,708	Holly - 9916 Trophy Oaks
03/09/21	03/09/2021 Base Pit N. A	N 29° 38' 22.90" W 098° 17' 9.20"	PARTLY CLOUDY 71° S 30	13:19	NT	NT	NT	1424	210.00	6,697	Michels - 9118 Tuscan Hills
03/09/21	03/09/2021 Base Pit N. A	N 29° 38' 22.90" W 098° 17' 9.20"	PARTLY CLOUDY 71° S 30	13:19	0.085	12.5	101.0	1424	210.00	2,713	Warden - 21375 Gunther Grove
03/11/21	03/11/2021 Aggie Pit W. B	N 29° 38' 47.50" W 098° 17' 44.10"	CLOUDY 78° S 37	13:10	NT	NT	NT	738	716.00	8,491	Bower Residence
03/11/21	03/11/2021 Aggie Pit W. B	N 29° 38' 47.50" W 098° 17' 44.10"	CLOUDY 78° S 37	13:10	0.055	5.1	105.0	738	716.00	2,727	City Property Line
03/11/21	03/11/2021 Aggie Pit W. B	N 29° 38' 47.50" W 098° 17' 44.10"	CLOUDY 78° S 37	13:10	0.068	6.3	103.0	738	716.00	3,162	Michels - 9118 Tuscan Hills
03/11/21	03/11/2021 Aggie Pit W. B	N 29° 38' 47.50" W 098° 17' 44.10"	CLOUDY 78° S 37	13:10	0.093	12.8	110.0	738	716.00	2,509	Warden - 21375 Gunther Grove
03/11/21	03/11/2021 Aggie Pit W. B	N 29° 38' 47.50" W 098° 17' 44.10"	CLOUDY 78° S 37	13:10	0.113	15.2	110.0	738	716.00	2,246	Warden Property Line
03/12/21	03/12/2021 Lower W. 3G	N 29° 38' 57.19" W 098° 17' 45.25"	PARTLY CLOUDY 78° SE 17	13:59	NT	NT	NT	916	111.00	9,272	Bower Residence
03/12/21	03/12/2021 Lower W. 3G	N 29° 38' 57.19" W 098° 17' 45.25"	PARTLY CLOUDY 78° SE 17	13:59	NT	NT	NT	916	111.00	3,648	City Property Line
03/12/21	03/12/2021 Lower W. 3G	N 29° 38' 57.19" W 098° 17' 45.25"	PARTLY CLOUDY 78° SE 17	13:59	NT	NT	NT	916	111.00	3,230	Michels - 9118 Tuscan Hills
03/12/21	03/12/2021 Lower W. 3G	N 29° 38' 57.19" W 098° 17' 45.25"	PARTLY CLOUDY 78° SE 17	13:59	0.035	6.8	100.0	916	111.00	3,495	Warden - 21375 Gunther Grove
03/12/21	03/12/2021 Lower W. 3G	N 29° 38' 57.19" W 098° 17' 45.25"	PARTLY CLOUDY 78° SE 17	13:59	0.045	9.3	96.0	916	111.00	3,230	Warden Property Line
03/17/21	03/17/2021 Base Pit E. A	N 29° 38' 10.94" W 098° 16' 45.40"	CLOUDY 78° NW 21	13:18	NT	NT	NT	1388	644.00	10,448	Bower Residence

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2021**

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
03/17/21	03/17/2021 Base Pit E. A	N 29° 38' 10.94" W 098° 16' 45.40"	CLOUDY 78° NW 21	13:18	NT	NT	NT	1388	644.00	6,145	City Property Line
03/17/21	03/17/2021 Base Pit E. A	N 29° 38' 10.94" W 098° 16' 45.40"	CLOUDY 78° NW 21	13:18	0.073	20.8	106.0	1388	644.00	3,632	Holly - 9916 Trophy Oaks
03/17/21	03/17/2021 Base Pit E. A	N 29° 38' 10.94" W 098° 16' 45.40"	CLOUDY 78° NW 21	13:18	NT	NT	NT	1388	644.00	9,098	Michels - 9118 Tuscan Hills
03/17/21	03/17/2021 Base Pit E. A	N 29° 38' 10.94" W 098° 16' 45.40"	CLOUDY 78° NW 21	13:18	0.060	21.7	102.0	1388	644.00	4,692	Warden - 21375 Gunther Grove
03/23/21	03/23/2021 Lower W. 3I	N 29° 39' 1.48" W 098° 17' 45.81"	SUNNY 73° N 9	13:31	NT	NT	NT	1012	65.00	9,628	Bower Residence
03/23/21	03/23/2021 Lower W. 3I	N 29° 39' 1.48" W 098° 17' 45.81"	SUNNY 73° N 9	13:31	NT	NT	NT	1012	65.00	4,065	City Property Line
03/23/21	03/23/2021 Lower W. 3I	N 29° 39' 1.48" W 098° 17' 45.81"	SUNNY 73° N 9	13:31	NT	NT	NT	1012	65.00	3,350	Michels - 9118 Tuscan Hills
03/23/21	03/23/2021 Lower W. 3I	N 29° 39' 1.48" W 098° 17' 45.81"	SUNNY 73° N 9	13:31	0.028	11.6	100.0	1012	65.00	3,933	Warden - 21375 Gunther Grove
03/23/21	03/23/2021 Lower W. 3I	N 29° 39' 1.48" W 098° 17' 45.81"	SUNNY 73° N 9	13:31	0.025	13.9	106.0	1012	65.00	3,667	Warden Property Line
03/25/21	3/25/2021 Base Pit N.W. A	N 29° 38' 25.26" W 098° 17' 4.84"	SUNNY 71° NW 13	13:29	NT	NT	NT	1088	378.00	9,488	Bower Residence
03/25/21	3/25/2021 Base Pit N.W. A	N 29° 38' 25.26" W 098° 17' 4.84"	SUNNY 71° NW 13	13:29	0.025	4.3	102.0	1088	378.00	4,342	City Property Line
03/25/21	3/25/2021 Base Pit N.W. A	N 29° 38' 25.26" W 098° 17' 4.84"	SUNNY 71° NW 13	13:29	0.103	10.0	110.0	1088	378.00	2,159	Holly - 9916 Trophy Oaks
03/25/21	3/25/2021 Base Pit N.W. A	N 29° 38' 25.26" W 098° 17' 4.84"	SUNNY 71° NW 13	13:29	0.020	5.3	88.0	1088	378.00	6,977	Michels - 9118 Tuscan Hills
03/25/21	3/25/2021 Base Pit N.W. A	N 29° 38' 25.26" W 098° 17' 4.84"	SUNNY 71° NW 13	13:29	0.095	9.3	105.0	1088	378.00	3,105	Warden - 21375 Gunther Grove
03/30/21	03/30/2021 Aggie Pit E. A	N 29° 38' 46.05" W 098° 17' 37.44"	PARTLY CLOUDY 77° S 26	13:11	NT	NT	NT	1236	639.00	8,714	Bower Residence

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2021**

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
03/30/21	03/30/2021 Aggie Pit E. A	N 29° 38' 46.05" W 098° 17' 37.44"	PARTLY CLOUDY 77° S 26	13:11	0.038	6.7	104.0	1236	639.00	2,840	City Property Line
03/30/21	03/30/2021 Aggie Pit E. A	N 29° 38' 46.05" W 098° 17' 37.44"	PARTLY CLOUDY 77° S 26	13:11	0.030	13.2	107.0	1236	639.00	3,750	Michels - 9118 Tuscan Hills
03/30/21	03/30/2021 Aggie Pit E. A	N 29° 38' 46.05" W 098° 17' 37.44"	PARTLY CLOUDY 77° S 26	13:11	0.123	8.6	103.0	1236	639.00	2,347	Warden - 21375 Gunther Grove
03/30/21	03/30/2021 Aggie Pit E. A	N 29° 38' 46.05" W 098° 17' 37.44"	PARTLY CLOUDY 77° S 26	13:11	0.135	18.5	107.0	1236	639.00	2,055	Warden Property Line
03/31/21	03/31/2021 Pond 4 Level 1 W. A	N 29° 38' 59.93" W 098° 17' 21.65"	CLOUDY 61° N 32	11:20	NT	NT	NT	1246	391.00	10,680	Bower Residence
03/31/21	03/31/2021 Pond 4 Level 1 W. A	N 29° 38' 59.93" W 098° 17' 21.65"	CLOUDY 61° N 32	11:20	NT	NT	NT	1246	391.00	4,785	City Property Line
03/31/21	03/31/2021 Pond 4 Level 1 W. A	N 29° 38' 59.93" W 098° 17' 21.65"	CLOUDY 61° N 32	11:20	NT	NT	NT	1246	391.00	5,303	Michels - 9118 Tuscan Hills
03/31/21	03/31/2021 Pond 4 Level 1 W. A	N 29° 38' 59.93" W 098° 17' 21.65"	CLOUDY 61° N 32	11:20	0.065	22.7	111.0	1246	391.00	4,076	Warden - 21375 Gunther Grove
03/31/21	03/31/2021 Pond 4 Level 1 W. A	N 29° 38' 59.93" W 098° 17' 21.65"	CLOUDY 61° N 32	11:20	0.045	16.1	109.0	1246	391.00	3,774	Warden Property Line

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



May 5, 2021

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 April 2021 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2021 Blast Data Management Book.

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

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

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

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

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

Respectfully submitted,

VIBRA-TECH, INC.



Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex



04/12/2021 Lower W. 3H
04/13/2021 Pond 4 Level 1 W. A
04/28/2021 Pond 4 Level 1 W. A

04/07/2021 Upper W. 3H
04/19/2021 Aggte Pit N. B
04/06/2021 Aggte Pit W. C

Warden Property Line
City Property Line
04/08/2021 Base Pit N. A
04/27/2021 Base Pit N.W. A

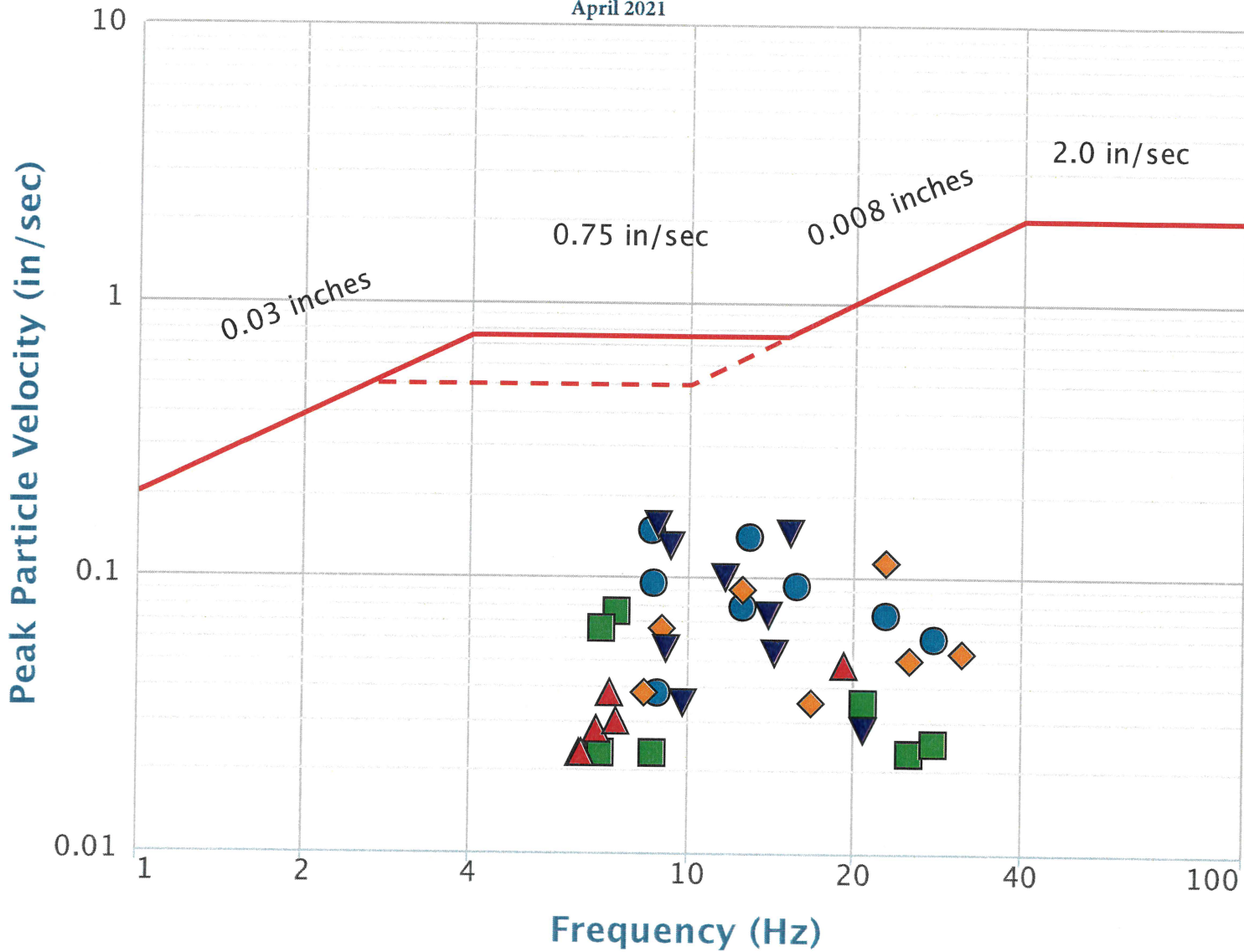
Google Earth

© 2021 Google

4000 ft

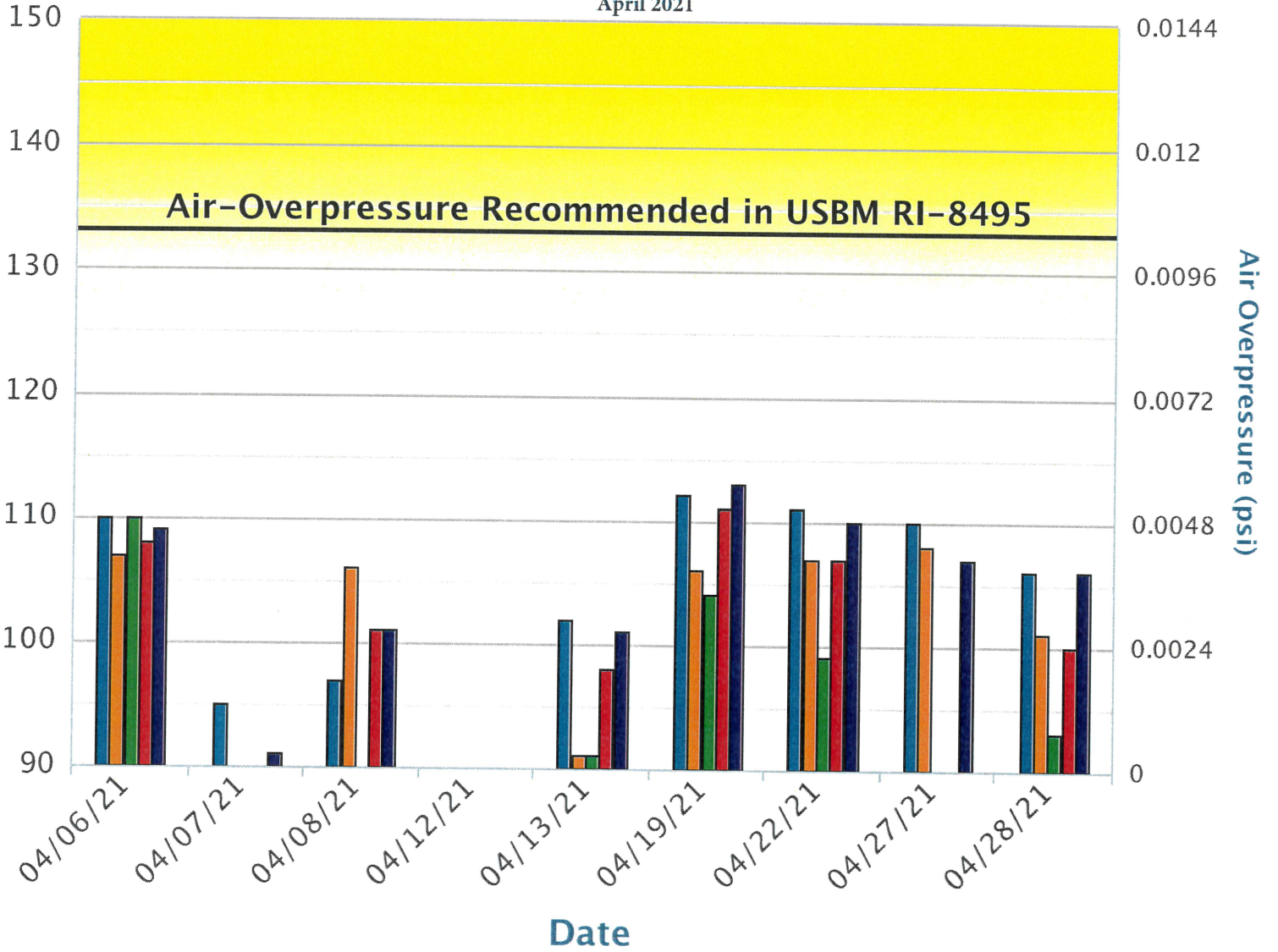


Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
April 2021



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

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 April 2021



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2021**

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
04/06/21	04/06/2021 Aggie Pit W. C	N 29° 38' 50.01" W 098° 17' 43.37"	CLOUDY 81° S 32	13:11	NT	NT	NT	992	631.00	8,739	Bower Residence
04/06/21	04/06/2021 Aggie Pit W. C	N 29° 38' 50.01" W 098° 17' 43.37"	CLOUDY 81° S 32	13:11	0.038	7.2	108.0	992	631.00	2,989	City Property Line
04/06/21	04/06/2021 Aggie Pit W. C	N 29° 38' 50.01" W 098° 17' 43.37"	CLOUDY 81° S 32	13:11	0.075	7.4	110.0	992	631.00	3,240	Michels - 9118 Tuscan Hills
04/06/21	04/06/2021 Aggie Pit W. C	N 29° 38' 50.01" W 098° 17' 43.37"	CLOUDY 81° S 32	13:11	0.148	8.5	110.0	992	631.00	2,753	Warden - 21375 Gunther Grove
04/06/21	04/06/2021 Aggie Pit W. C	N 29° 38' 50.01" W 098° 17' 43.37"	CLOUDY 81° S 32	13:11	0.145	15.2	109.0	992	631.00	2,485	Warden Property Line
04/07/21	04/07/2021 Upper W. 3H	N 29° 38' 50.04" W 098° 17' 50.18"	PARTLY CLOUDY 80° NW 9	13:11	NT	NT	NT	1160	82.00	8,428	Bower Residence
04/07/21	04/07/2021 Upper W. 3H	N 29° 38' 50.04" W 098° 17' 50.18"	PARTLY CLOUDY 80° NW 9	13:11	NT	NT	NT	1160	82.00	2,861	City Property Line
04/07/21	04/07/2021 Upper W. 3H	N 29° 38' 50.04" W 098° 17' 50.18"	PARTLY CLOUDY 80° NW 9	13:11	0.023	25.0	90.0	1160	82.00	2,644	Michels - 9118 Tuscan Hills
04/07/21	04/07/2021 Upper W. 3H	N 29° 38' 50.04" W 098° 17' 50.18"	PARTLY CLOUDY 80° NW 9	13:11	0.023	6.8	95.0	1160	82.00	2,883	Warden - 21375 Gunther Grove
04/07/21	04/07/2021 Upper W. 3H	N 29° 38' 50.04" W 098° 17' 50.18"	PARTLY CLOUDY 80° NW 9	13:11	0.028	20.8	91.0	1160	82.00	2,651	Warden Property Line
04/08/21	04/08/2021 Base Pit N. A	N 29° 38' 23.23" W 098° 17' 9.18"	CLOUDY 85° SW 14	13:32	NT	NT	NT	1280	230.00	9,054	Bower Residence
04/08/21	04/08/2021 Base Pit N. A	N 29° 38' 23.23" W 098° 17' 9.18"	CLOUDY 85° SW 14	13:32	0.023	6.3	101.0	1280	230.00	3,950	City Property Line
04/08/21	04/08/2021 Base Pit N. A	N 29° 38' 23.23" W 098° 17' 9.18"	CLOUDY 85° SW 14	13:32	0.113	22.7	106.0	1280	230.00	1,725	Holly - 9916 Trophy Oaks
04/08/21	04/08/2021 Base Pit N. A	N 29° 38' 23.23" W 098° 17' 9.18"	CLOUDY 85° SW 14	13:32	NT	NT	NT	1280	230.00	6,686	Michels - 9118 Tuscan Hills
04/08/21	04/08/2021 Base Pit N. A	N 29° 38' 23.23" W 098° 17' 9.18"	CLOUDY 85° SW 14	13:32	0.093	15.6	97.0	1280	230.00	2,715	Warden - 21375 Gunther Grove

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2021**

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
04/12/21	04/12/2021 Lower W. 3H	N 29° 38' 59.54" W 098° 17' 45.72"	CLOUDY 85° SW 14	13:16	NT	NT	NT	1160	131.00	9,459	Bower Residence
04/12/21	04/12/2021 Lower W. 3H	N 29° 38' 59.54" W 098° 17' 45.72"	CLOUDY 85° SW 14	13:16	NT	NT	NT	1160	131.00	3,873	City Property Line
04/12/21	04/12/2021 Lower W. 3H	N 29° 38' 59.54" W 098° 17' 45.72"	CLOUDY 85° SW 14	13:16	NT	NT	NT	1160	131.00	3,276	Michels - 9118 Tuscan Hills
04/12/21	04/12/2021 Lower W. 3H	N 29° 38' 59.54" W 098° 17' 45.72"	CLOUDY 85° SW 14	13:16	0.038	8.8	90.0	1160	131.00	3,737	Warden - 21375 Gunther Grove
04/12/21	04/12/2021 Lower W. 3H	N 29° 38' 59.54" W 098° 17' 45.72"	CLOUDY 85° SW 14	13:16	0.035	9.8	90.0	1160	131.00	3,472	Warden Property Line
04/13/21	04/13/2021 Pond 4 Level 1 W. A	N 29° 38' 58.98" W 098° 17' 22.23"	PARTLY CLOUDY 74° NE 6	13:15	NT	NT	NT	1660	354.00	10,573	Bower Residence
04/13/21	04/13/2021 Pond 4 Level 1 W. A	N 29° 38' 58.98" W 098° 17' 22.23"	PARTLY CLOUDY 74° NE 6	13:15	0.028	6.8	98.0	1660	354.00	4,677	City Property Line
04/13/21	04/13/2021 Pond 4 Level 1 W. A	N 29° 38' 58.98" W 098° 17' 22.23"	PARTLY CLOUDY 74° NE 6	13:15	0.023	8.6	91.0	1660	354.00	5,231	Michels - 9118 Tuscan Hills
04/13/21	04/13/2021 Pond 4 Level 1 W. A	N 29° 38' 58.98" W 098° 17' 22.23"	PARTLY CLOUDY 74° NE 6	13:15	0.073	22.7	102.0	1660	354.00	3,968	Warden - 21375 Gunther Grove
04/13/21	04/13/2021 Pond 4 Level 1 W. A	N 29° 38' 58.98" W 098° 17' 22.23"	PARTLY CLOUDY 74° NE 6	13:15	0.055	9.1	101.0	1660	354.00	3,666	Warden Property Line
04/19/21	04/19/2021 Aggie Pit N. B	N 29° 38' 51.37" W 098° 17' 38.67"	PARTLY CLOUDY 70° SE 7	13:28	NT	NT	NT	1282	629.00	9,085	Bower Residence
04/19/21	04/19/2021 Aggie Pit N. B	N 29° 38' 51.37" W 098° 17' 38.67"	PARTLY CLOUDY 70° SE 7	13:28	0.030	7.4	111.0	1282	629.00	3,268	City Property Line
04/19/21	04/19/2021 Aggie Pit N. B	N 29° 38' 51.37" W 098° 17' 38.67"	PARTLY CLOUDY 70° SE 7	13:28	0.035	20.8	104.0	1282	629.00	3,667	Michels - 9118 Tuscan Hills
04/19/21	04/19/2021 Aggie Pit N. B	N 29° 38' 51.37" W 098° 17' 38.67"	PARTLY CLOUDY 70° SE 7	13:28	0.078	12.5	112.0	1282	629.00	2,877	Warden - 21375 Gunther Grove
04/19/21	04/19/2021 Aggie Pit N. B	N 29° 38' 51.37" W 098° 17' 38.67"	PARTLY CLOUDY 70° SE 7	13:28	0.130	9.3	113.0	1282	629.00	2,590	Warden Property Line

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

GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2021

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
04/22/21	04/22/2021 Aggie Pit W. B	N 29° 38' 47.62" W 098° 17' 44.87"	OVERCAST 75° S 8	13:16	NT	NT	NT	988	831.00	8,464	Bower Residence
04/22/21	04/22/2021 Aggie Pit W. B	N 29° 38' 47.62" W 098° 17' 44.87"	OVERCAST 75° S 8	13:16	0.048	19.2	107.0	988	831.00	2,718	City Property Line
04/22/21	04/22/2021 Aggie Pit W. B	N 29° 38' 47.62" W 098° 17' 44.87"	OVERCAST 75° S 8	13:16	0.065	6.9	99.0	988	831.00	3,095	Michels - 9118 Tuscan Hills
04/22/21	04/22/2021 Aggie Pit W. B	N 29° 38' 47.62" W 098° 17' 44.87"	OVERCAST 75° S 8	13:16	0.140	12.8	111.0	988	831.00	2,532	Warden - 21375 Gunther Grove
04/22/21	04/22/2021 Aggie Pit W. B	N 29° 38' 47.62" W 098° 17' 44.87"	OVERCAST 75° S 8	13:16	0.155	8.8	110.0	988	831.00	2,273	Warden Property Line
04/27/21	04/27/2021 Base Pit N.W. A	N 29° 38' 25.32" W 098° 17' 2.80"	CLOUDY 79° SE 8	13:01	NT	NT	NT	1016	596.00	9,647	Bower Residence
04/27/21	04/27/2021 Base Pit N.W. A	N 29° 38' 25.32" W 098° 17' 2.80"	CLOUDY 79° SE 8	13:01	NT	NT	NT	1016	596.00	4,522	City Property Line
04/27/21	04/27/2021 Base Pit N.W. A	N 29° 38' 25.32" W 098° 17' 2.80"	CLOUDY 79° SE 8	13:01	0.090	12.5	108.0	1016	596.00	2,321	Holly - 9916 Trophy Oaks
04/27/21	04/27/2021 Base Pit N.W. A	N 29° 38' 25.32" W 098° 17' 2.80"	CLOUDY 79° SE 8	13:01	0.023	6.9	87.0	1016	596.00	7,145	Michels - 9118 Tuscan Hills
04/27/21	04/27/2021 Base Pit N.W. A	N 29° 38' 25.32" W 098° 17' 2.80"	CLOUDY 79° SE 8	13:01	0.095	8.6	110.0	1016	596.00	3,285	Warden - 21375 Gunther Grove
04/28/21	04/28/2021 Pond 4 Level 1 W. A	N 29° 38' 59.24" W 098° 17' 22.84"	CLOUDY 85° SE 21	11:17	NT	NT	NT	1426	348.00	10,560	Bower Residence
04/28/21	04/28/2021 Pond 4 Level 1 W. A	N 29° 38' 59.24" W 098° 17' 22.84"	CLOUDY 85° SE 21	11:17	0.023	6.4	100.0	1426	348.00	4,666	City Property Line
04/28/21	04/28/2021 Pond 4 Level 1 W. A	N 29° 38' 59.24" W 098° 17' 22.84"	CLOUDY 85° SE 21	11:17	0.025	27.8	93.0	1426	348.00	5,185	Michels - 9118 Tuscan Hills
04/28/21	04/28/2021 Pond 4 Level 1 W. A	N 29° 38' 59.24" W 098° 17' 22.84"	CLOUDY 85° SE 21	11:17	0.060	27.8	106.0	1426	348.00	3,971	Warden - 21375 Gunther Grove
04/28/21	04/28/2021 Pond 4 Level 1 W. A	N 29° 38' 59.24" W 098° 17' 22.84"	CLOUDY 85° SE 21	11:17	0.053	14.3	106.0	1426	348.00	3,669	Warden Property Line

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



June 14, 2021

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 May 2021 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2021 Blast Data Management Book.

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

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

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

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

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

Respectfully submitted,

VIBRA-TECH, INC.

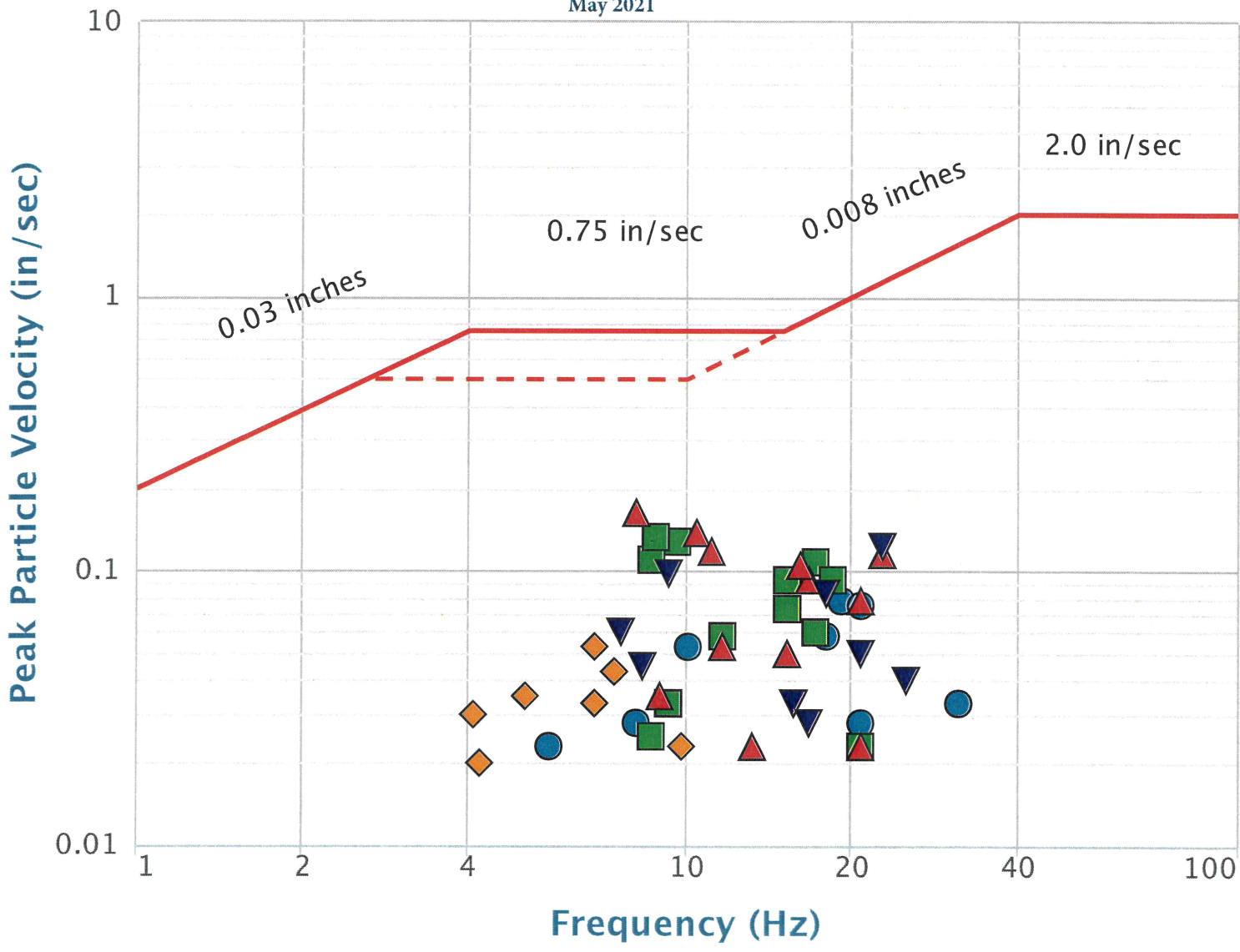


Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex

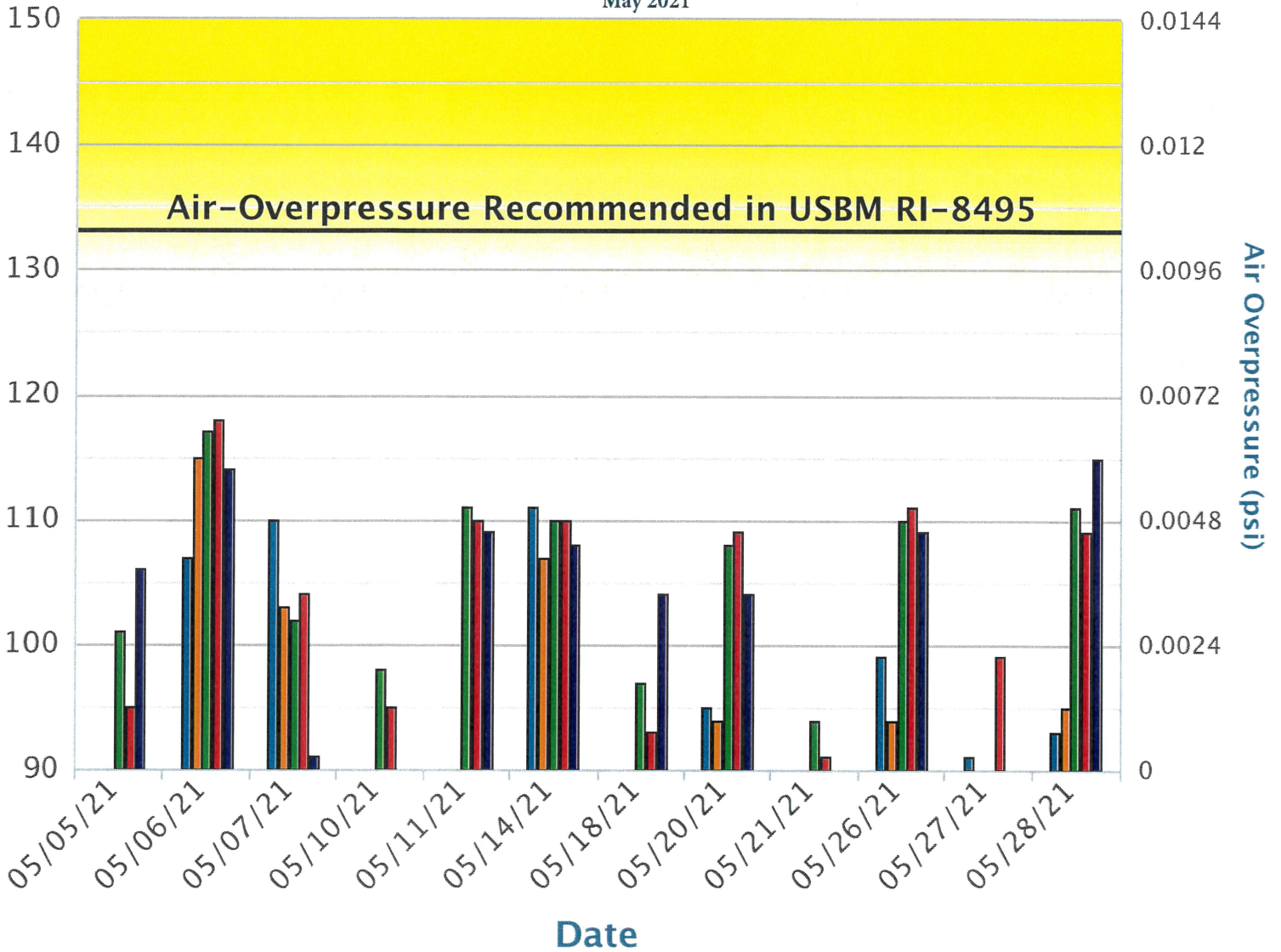


Garden Ridge Quarry Commission
 Garden Ridge, Texas
 USBM Graph
 May 2021



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

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 May 2021



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MAY 2021**

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
05/05/21	05/05/2021 Base Pit N. A	N 29° 38' 23.40" W 098° 17' 9.09"	SUNNY 78° NE 10	13:24	NT	NT	NT	888	273.00	9,070	Bower Residence
05/05/21	05/05/2021 Base Pit N. A	N 29° 38' 23.40" W 098° 17' 9.09"	SUNNY 78° NE 10	13:24	NT	NT	NT	888	273.00	3,958	City Property Line
05/05/21	05/05/2021 Base Pit N. A	N 29° 38' 23.40" W 098° 17' 9.09"	SUNNY 78° NE 10	13:24	0.123	22.7	106.0	888	273.00	1,740	Holly - 9916 Trophy Oaks
05/05/21	05/05/2021 Base Pit N. A	N 29° 38' 23.40" W 098° 17' 9.09"	SUNNY 78° NE 10	13:24	0.023	5.6	85.0	888	273.00	6,688	Michels - 9118 Tuscan Hills
05/05/21	05/05/2021 Base Pit N. A	N 29° 38' 23.40" W 098° 17' 9.09"	SUNNY 78° NE 10	13:24	0.093	15.2	101.0	888	273.00	2,723	Warden - 21375 Gunther Grove
05/06/21	05/06/2021 Aggie Pit N. A	N 29° 38' 52.44" W 098° 17' 42.51"	SUNNY 85° NE 8	14:55	NT	NT	NT	1138	843.00	8,987	Bower Residence
05/06/21	05/06/2021 Aggie Pit N. A	N 29° 38' 52.44" W 098° 17' 42.51"	SUNNY 85° NE 8	14:55	0.043	7.4	115.0	1138	843.00	3,246	City Property Line
05/06/21	05/06/2021 Aggie Pit N. A	N 29° 38' 52.44" W 098° 17' 42.51"	SUNNY 85° NE 8	14:55	0.058	17.9	107.0	1138	843.00	3,347	Michels - 9118 Tuscan Hills
05/06/21	05/06/2021 Aggie Pit N. A	N 29° 38' 52.44" W 098° 17' 42.51"	SUNNY 85° NE 8	14:55	0.110	8.6	117.0	1138	843.00	2,992	Warden - 21375 Gunther Grove
05/06/21	05/06/2021 Aggie Pit N. A	N 29° 38' 52.44" W 098° 17' 42.51"	SUNNY 85° NE 8	14:55	0.105	16.1	118.0	1138	843.00	2,718	Warden Property Line
05/07/21	05/07/2021 Aggie Pit E. A	N 29° 38' 46.00" W 098° 17' 37.11"	SUNNY 84° E 7	13:11	NT	NT	NT	1064	662.00	8,728	Bower Residence
05/07/21	05/07/2021 Aggie Pit E. A	N 29° 38' 46.00" W 098° 17' 37.11"	SUNNY 84° E 7	13:11	0.035	5.1	103.0	1064	662.00	2,851	City Property Line
05/07/21	05/07/2021 Aggie Pit E. A	N 29° 38' 46.00" W 098° 17' 37.11"	SUNNY 84° E 7	13:11	0.053	10.0	110.0	1064	662.00	3,779	Michels - 9118 Tuscan Hills
05/07/21	05/07/2021 Aggie Pit E. A	N 29° 38' 46.00" W 098° 17' 37.11"	SUNNY 84° E 7	13:11	0.108	17.2	102.0	1064	662.00	2,345	Warden - 21375 Gunther Grove
05/07/21	05/07/2021 Aggie Pit E. A	N 29° 38' 46.00" W 098° 17' 37.11"	SUNNY 84° E 7	13:11	0.138	10.4	104.0	1064	662.00	2,052	Warden Property Line

NT = No Trigger, <0.020ips.

NT = No Trigger, <122dB

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MAY 2021**

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
05/10/21	05/10/2021 Lower W. 3G	N 29° 38' 57.03" W 098° 17' 45.59"	CLOUDY 84° SE 9	13:15	NT	NT	NT	1196	113.00	9,243	Bower Residence
05/10/21	05/10/2021 Lower W. 3G	N 29° 38' 57.03" W 098° 17' 45.59"	CLOUDY 84° SE 9	13:15	NT	NT	NT	1196	113.00	3,626	City Property Line
05/10/21	05/10/2021 Lower W. 3G	N 29° 38' 57.03" W 098° 17' 45.59"	CLOUDY 84° SE 9	13:15	NT	NT	NT	1196	113.00	3,196	Michels - 9118 Tuscan Hills
05/10/21	05/10/2021 Lower W. 3G	N 29° 38' 57.03" W 098° 17' 45.59"	CLOUDY 84° SE 9	13:15	0.033	9.3	98.0	1196	113.00	3,483	Warden - 21375 Gunther Grove
05/10/21	05/10/2021 Lower W. 3G	N 29° 38' 57.03" W 098° 17' 45.59"	CLOUDY 84° SE 9	13:15	0.035	8.9	95.0	1196	113.00	3,219	Warden Property Line
05/11/21	05/11/2021 South Wall D	N 29° 38' 3.55" W 098° 16' 34.31"	OVERCAST 77° NE 9	11:10	NT	NT	NT	1674	730.00	11,180	Bower Residence
05/11/21	05/11/2021 South Wall D	N 29° 38' 3.55" W 098° 16' 34.31"	OVERCAST 77° NE 9	11:10	NT	NT	NT	1674	730.00	7,264	City Property Line
05/11/21	05/11/2021 South Wall D	N 29° 38' 3.55" W 098° 16' 34.31"	OVERCAST 77° NE 9	11:10	0.040	25.0	109.0	1674	730.00	4,731	Holly - 9916 Trophy Oaks
05/11/21	05/11/2021 South Wall D	N 29° 38' 3.55" W 098° 16' 34.31"	OVERCAST 77° NE 9	11:10	NT	NT	NT	1674	730.00	10,298	Michels - 9118 Tuscan Hills
05/11/21	05/11/2021 South Wall D	N 29° 38' 3.55" W 098° 16' 34.31"	OVERCAST 77° NE 9	11:10	0.060	17.2	111.0	1674	730.00	6,112	Warden - 21375 Gunther Grove
05/14/21	05/14/2021 Aggie Pit N. B	N 29° 38' 52.12" W 098° 17' 38.94"	PARTLY CLOUDY 79° SE 16	13:18	NT	NT	NT	1138	716.00	9,134	Bower Residence
05/14/21	05/14/2021 Aggie Pit N. B	N 29° 38' 52.12" W 098° 17' 38.94"	PARTLY CLOUDY 79° SE 16	13:18	0.053	6.8	107.0	1138	716.00	3,328	City Property Line
05/14/21	05/14/2021 Aggie Pit N. B	N 29° 38' 52.12" W 098° 17' 38.94"	PARTLY CLOUDY 79° SE 16	13:18	0.078	19.2	111.0	1138	716.00	3,653	Michels - 9118 Tuscan Hills
05/14/21	05/14/2021 Aggie Pit N. B	N 29° 38' 52.12" W 098° 17' 38.94"	PARTLY CLOUDY 79° SE 16	13:18	0.128	9.6	110.0	1138	716.00	2,952	Warden - 21375 Gunther Grove
05/14/21	05/14/2021 Aggie Pit N. B	N 29° 38' 52.12" W 098° 17' 38.94"	PARTLY CLOUDY 79° SE 16	13:18	0.163	8.1	110.0	1138	716.00	2,666	Warden Property Line

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MAY 2021**

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
05/18/21	05/18/2021 Base Pit N. A	N 29° 38' 23.81" W 098° 17' 9.05"	CLEAR 71° NE 11	10:21	NT	NT	NT	1088	259.00	9,094	Bower Residence
05/18/21	05/18/2021 Base Pit N. A	N 29° 38' 23.81" W 098° 17' 9.05"	CLEAR 71° NE 11	10:21	0.020	4.2	82.0	1088	259.00	3,963	City Property Line
05/18/21	05/18/2021 Base Pit N. A	N 29° 38' 23.81" W 098° 17' 9.05"	CLEAR 71° NE 11	10:21	0.083	17.9	104.0	1088	259.00	1,764	Holly - 9916 Trophy Oaks
05/18/21	05/18/2021 Base Pit N. A	N 29° 38' 23.81" W 098° 17' 9.05"	CLEAR 71° NE 11	10:21	NT	NT	NT	1088	259.00	6,676	Michels - 9118 Tuscan Hills
05/18/21	05/18/2021 Base Pit N. A	N 29° 38' 23.81" W 098° 17' 9.05"	CLEAR 71° NE 11	10:21	0.093	18.5	97.0	1088	259.00	2,727	Warden - 21375 Gunther Grove
05/20/21	05/20/2021 Pond 4 Level 1 W. A	N 29° 38' 59.68" W 098° 17' 23.44"	SUNNY 79° NE 7	13:25	NT	NT	NT	1456	373.00	10,562	Bower Residence
05/20/21	05/20/2021 Pond 4 Level 1 W. A	N 29° 38' 59.68" W 098° 17' 23.44"	SUNNY 79° NE 7	13:25	0.023	9.8	94.0	1456	373.00	4,672	City Property Line
05/20/21	05/20/2021 Pond 4 Level 1 W. A	N 29° 38' 59.68" W 098° 17' 23.44"	SUNNY 79° NE 7	13:25	0.033	31.3	95.0	1456	373.00	5,144	Michels - 9118 Tuscan Hills
05/20/21	05/20/2021 Pond 4 Level 1 W. A	N 29° 38' 59.68" W 098° 17' 23.44"	SUNNY 79° NE 7	13:25	0.058	11.6	108.0	1456	373.00	3,993	Warden - 21375 Gunther Grove
05/20/21	05/20/2021 Pond 4 Level 1 W. A	N 29° 38' 59.68" W 098° 17' 23.44"	SUNNY 79° NE 7	13:25	0.053	11.6	109.0	1456	373.00	3,690	Warden Property Line
05/21/21	05/21/2021 Lower W. 3I	N 29° 39' 1.45" W 098° 17' 46.17"	CLOUDY 81° SE 16	13:13	NT	NT	NT	976	62.00	9,610	Bower Residence
05/21/21	05/21/2021 Lower W. 3I	N 29° 39' 1.45" W 098° 17' 46.17"	CLOUDY 81° SE 16	13:13	NT	NT	NT	976	62.00	4,057	City Property Line
05/21/21	05/21/2021 Lower W. 3I	N 29° 39' 1.45" W 098° 17' 46.17"	CLOUDY 81° SE 16	13:13	NT	NT	NT	976	62.00	3,320	Michels - 9118 Tuscan Hills
05/21/21	05/21/2021 Lower W. 3I	N 29° 39' 1.45" W 098° 17' 46.17"	CLOUDY 81° SE 16	13:13	0.025	8.6	94.0	976	62.00	3,934	Warden - 21375 Gunther Grove
05/21/21	05/21/2021 Lower W. 3I	N 29° 39' 1.45" W 098° 17' 46.17"	CLOUDY 81° SE 16	13:13	0.023	13.2	91.0	976	62.00	3,669	Warden Property Line

NT = No Trigger, <0.020ips.

NT = No Trigger, <122dB

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MAY 2021**

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
05/26/21	05/26/2021 Aggie Pit W. C	N 29° 38' 50.16" W 098° 17' 43.86"	PARTLY CLOUDY 86° SE 11	14:30	NT	NT	NT	1175	932.00	8,728	Bower Residence
05/26/21	05/26/2021 Aggie Pit W. C	N 29° 38' 50.16" W 098° 17' 43.86"	PARTLY CLOUDY 86° SE 11	14:30	0.033	6.8	94.0	1175	932.00	2,990	City Property Line
05/26/21	05/26/2021 Aggie Pit W. C	N 29° 38' 50.16" W 098° 17' 43.86"	PARTLY CLOUDY 86° SE 11	14:30	0.075	20.8	99.0	1175	932.00	3,199	Michels - 9118 Tuscan Hills
05/26/21	05/26/2021 Aggie Pit W. C	N 29° 38' 50.16" W 098° 17' 43.86"	PARTLY CLOUDY 86° SE 11	14:30	0.073	15.2	110.0	1175	932.00	2,773	Warden - 21375 Gunther Grove
05/26/21	05/26/2021 Aggie Pit W. C	N 29° 38' 50.16" W 098° 17' 43.86"	PARTLY CLOUDY 86° SE 11	14:30	0.115	22.7	111.0	1175	932.00	2,507	Warden Property Line
05/27/21	05/27/2021 Upper W. 3I	N 29° 39' 1.06" W 098° 17' 50.72"	PARTLY CLOUDY 88° SE 22	15:41	NT	NT	NT	1228	54.00	9,392	Bower Residence
05/27/21	05/27/2021 Upper W. 3I	N 29° 39' 1.06" W 098° 17' 50.72"	PARTLY CLOUDY 88° SE 22	15:41	NT	NT	NT	1228	54.00	3,969	City Property Line
05/27/21	05/27/2021 Upper W. 3I	N 29° 39' 1.06" W 098° 17' 50.72"	PARTLY CLOUDY 88° SE 22	15:41	0.028	20.8	91.0	1228	54.00	2,946	Michels - 9118 Tuscan Hills
05/27/21	05/27/2021 Upper W. 3I	N 29° 39' 1.06" W 098° 17' 50.72"	PARTLY CLOUDY 88° SE 22	15:41	0.023	20.8	90.0	1228	54.00	3,971	Warden - 21375 Gunther Grove
05/27/21	05/27/2021 Upper W. 3I	N 29° 39' 1.06" W 098° 17' 50.72"	PARTLY CLOUDY 88° SE 22	15:41	0.023	20.8	99.0	1228	54.00	3,722	Warden Property Line
05/28/21	05/28/2021 Base Pit N.W. B	N 29° 38' 25.85" W 098° 17' 5.42"	OVERCAST 79° SE 15	11:07	NT	NT	NT	746	357.00	9,475	Bower Residence
05/28/21	05/28/2021 Base Pit N.W. B	N 29° 38' 25.85" W 098° 17' 5.42"	OVERCAST 79° SE 15	11:07	0.030	4.1	95.0	746	357.00	4,297	City Property Line
05/28/21	05/28/2021 Base Pit N.W. B	N 29° 38' 25.85" W 098° 17' 5.42"	OVERCAST 79° SE 15	11:07	0.098	9.3	115.0	746	357.00	2,144	Holly - 9916 Trophy Oaks
05/28/21	05/28/2021 Base Pit N.W. B	N 29° 38' 25.85" W 098° 17' 5.42"	OVERCAST 79° SE 15	11:07	0.028	8.1	93.0	746	357.00	6,909	Michels - 9118 Tuscan Hills
05/28/21	05/28/2021 Base Pit N.W. B	N 29° 38' 25.85" W 098° 17' 5.42"	OVERCAST 79° SE 15	11:07	0.133	8.8	111.0	746	357.00	3,059	Warden - 21375 Gunther Grove

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



July 1, 2021

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 June 2021 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2021 Blast Data Management Book.

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

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

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

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

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

Respectfully submitted,

VIBRA-TECH, INC.



Nicholas Reitinger
Area Manager

cc: Patrick Pieton, Hanson – Servtex



06-15-2021 Lower W. Wall H
06-09-2021 Pond 4 LVL 1 S. A

06-22-2021 Pond 4 LVL 1 W. A

06-24-2021 Aggie Pit N. A

06-04-2021 Aggie Pit E. B

06-18-2021 Aggie Pit W. A

06-16-2021 Aggie Pit W. A

06-11-2021 Base Pit N.W. A

06-23-2021 Base Pit N. A

06-02-2021 S. Wall C

Cinnabar Ct

Michels

Warden Property Line

City Property Line

Warden

Holly

Garden Ridge

Bower

3009

1337

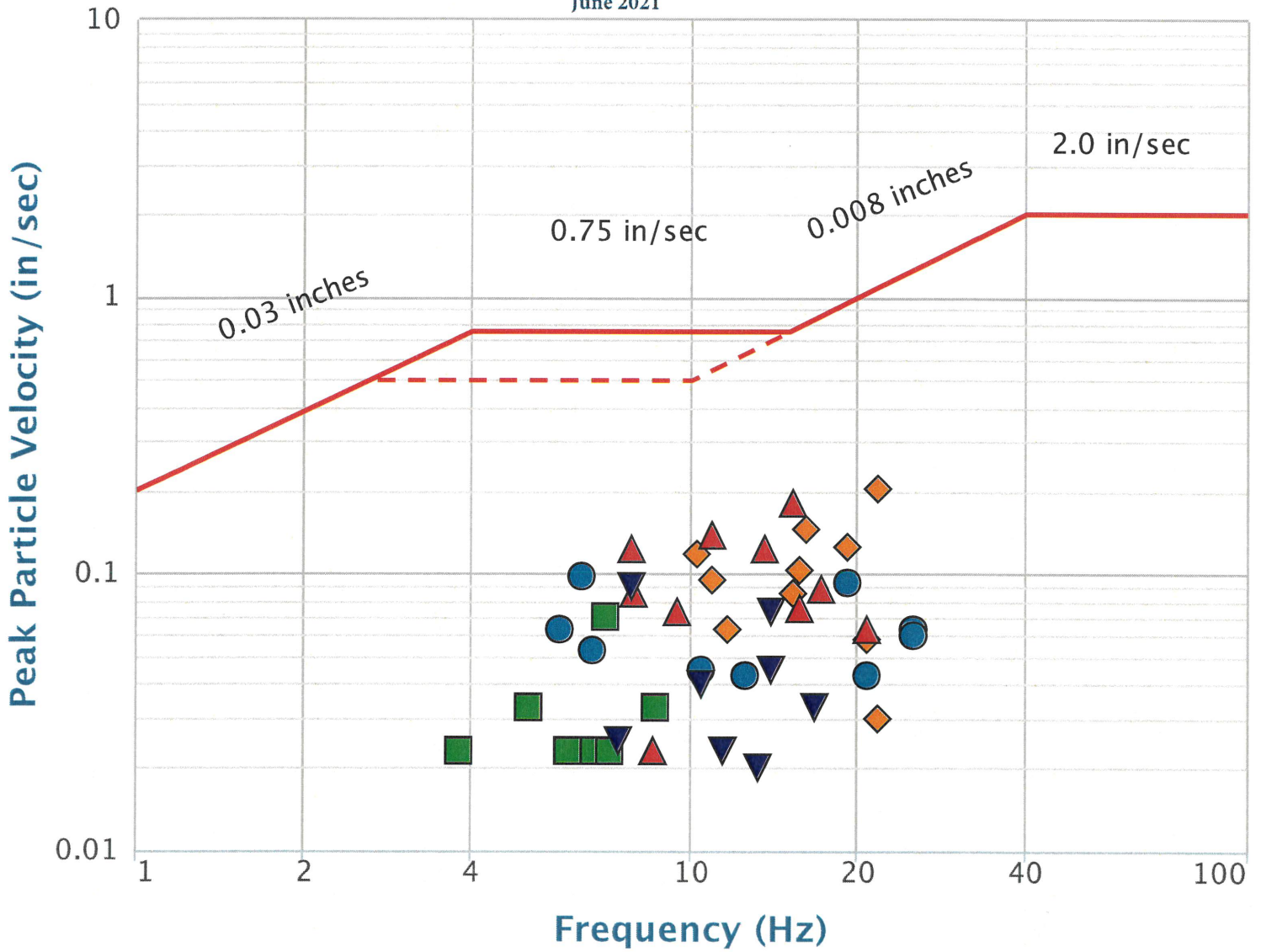
Google Earth

© 2021 Google

4000 ft

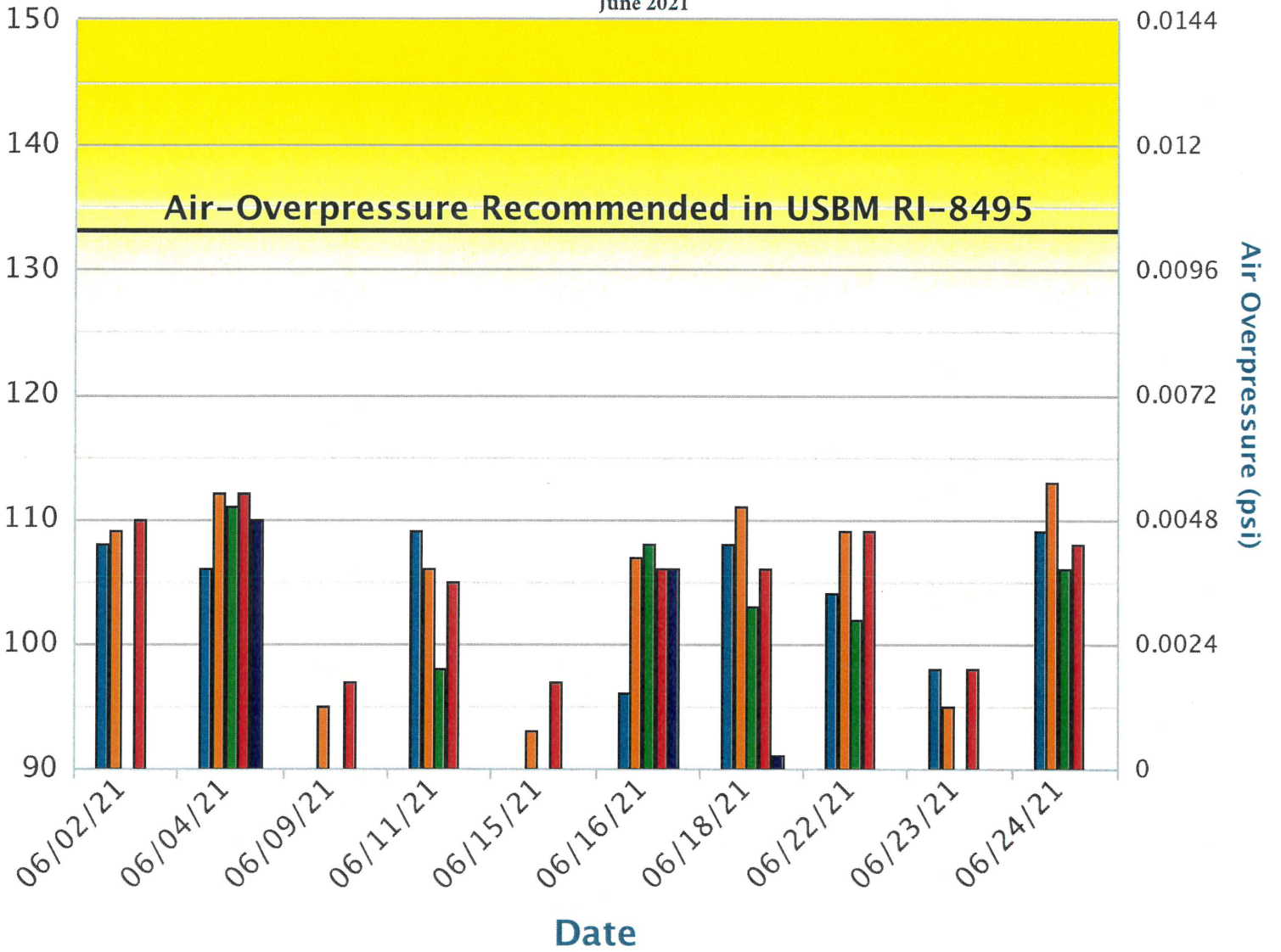


Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
June 2021



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

Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 June 2021



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2021**

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
06/02/21	06/02/2021 South Wall C	N 29° 38' 3.47" W 098° 16' 31.74"	PARTLY CLOUDY 79° SE 15	11:28	NT	NT	NT	1590	645.00	11,398	Bower Residence
06/02/21	06/02/2021 South Wall C	N 29° 38' 3.47" W 098° 16' 31.74"	PARTLY CLOUDY 79° SE 15	11:28	NT	NT	NT	1590	645.00	7,485	City Property Line
06/02/21	06/02/2021 South Wall C	N 29° 38' 3.47" W 098° 16' 31.74"	PARTLY CLOUDY 79° SE 15	11:28	0.063	25.0	108.0	1590	645.00	4,952	Holly - 9916 Trophy Oaks
06/02/21	06/02/2021 South Wall C	N 29° 38' 3.47" W 098° 16' 31.74"	PARTLY CLOUDY 79° SE 15	11:28	NT	NT	NT	1590	645.00	10,506	Michels - 9118 Tuscan Hills
06/02/21	06/02/2021 South Wall C	N 29° 38' 3.47" W 098° 16' 31.74"	PARTLY CLOUDY 79° SE 15	11:28	0.063	20.8	110.0	1590	645.00	6,330	Warden - 21375 Gunther Grove
06/04/21	06/04/2021 Aggie Pit E. B	N 29° 38' 48.48" W 098° 17' 36.15"	CLOUDY 78° NW 8	11:10	NT	NT	NT	1138	626.00	8,979	Bower Residence
06/04/21	06/04/2021 Aggie Pit E. B	N 29° 38' 48.48" W 098° 17' 36.15"	CLOUDY 78° NW 8	11:10	0.033	8.6	111.0	1138	626.00	3,110	City Property Line
06/04/21	06/04/2021 Aggie Pit E. B	N 29° 38' 48.48" W 098° 17' 36.15"	CLOUDY 78° NW 8	11:10	0.033	16.7	110.0	1138	626.00	3,865	Michels - 9118 Tuscan Hills
06/04/21	06/04/2021 Aggie Pit E. B	N 29° 38' 48.48" W 098° 17' 36.15"	CLOUDY 78° NW 8	11:10	0.088	17.2	112.0	1138	626.00	2,604	Warden - 21375 Gunther Grove
06/04/21	06/04/2021 Aggie Pit E. B	N 29° 38' 48.48" W 098° 17' 36.15"	CLOUDY 78° NW 8	11:10	0.125	19.2	112.0	1138	626.00	2,309	Warden Property Line
06/09/21	06/09/2021 Pond 4 Level 1 S. A	N 29° 38' 58.65" W 098° 17' 24.11"	SUNNY 88° SE 9	14:02	NT	NT	NT	1540	341.00	10,443	Bower Residence
06/09/21	06/09/2021 Pond 4 Level 1 S. A	N 29° 38' 58.65" W 098° 17' 24.11"	SUNNY 88° SE 9	14:02	NT	NT	NT	1540	341.00	4,552	City Property Line
06/09/21	06/09/2021 Pond 4 Level 1 S. A	N 29° 38' 58.65" W 098° 17' 24.11"	SUNNY 88° SE 9	14:02	0.040	10.4	88.0	1540	341.00	5,062	Michels - 9118 Tuscan Hills
06/09/21	06/09/2021 Pond 4 Level 1 S. A	N 29° 38' 58.65" W 098° 17' 24.11"	SUNNY 88° SE 9	14:02	0.138	10.9	97.0	1540	341.00	3,874	Warden - 21375 Gunther Grove
06/09/21	06/09/2021 Pond 4 Level 1 S. A	N 29° 38' 58.65" W 098° 17' 24.11"	SUNNY 88° SE 9	14:02	0.095	10.9	95.0	1540	341.00	3,572	Warden Property Line

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2021**

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
06/11/21	06/11/2021 Base Pit N.W. A	N 29° 38' 26.03" W 098° 17' 4.79"	SUNNY 91° S 15	13:28	NT	NT	NT	1088	394.00	9,532	Bower Residence
06/11/21	06/11/2021 Base Pit N.W. A	N 29° 38' 26.03" W 098° 17' 4.79"	SUNNY 91° S 15	13:28	0.023	3.8	98.0	1088	394.00	4,353	City Property Line
06/11/21	06/11/2021 Base Pit N.W. A	N 29° 38' 26.03" W 098° 17' 4.79"	SUNNY 91° S 15	13:28	0.098	6.3	109.0	1088	394.00	2,201	Holly - 9916 Trophy Oaks
06/11/21	06/11/2021 Base Pit N.W. A	N 29° 38' 26.03" W 098° 17' 4.79"	SUNNY 91° S 15	13:28	0.025	7.4	85.0	1088	394.00	6,957	Michels - 9118 Tuscan Hills
06/11/21	06/11/2021 Base Pit N.W. A	N 29° 38' 26.03" W 098° 17' 4.79"	SUNNY 91° S 15	13:28	0.123	7.8	105.0	1088	394.00	3,116	Warden - 21375 Gunther Grove
06/15/21	06/15/2021 Lower W. Wall H	N 29° 38' 59.40" W 098° 17' 46.30"	PARTLY CLOUDY 92° E 8	13:21	NT	NT	NT	1184	112.00	9,422	Bower Residence
06/15/21	06/15/2021 Lower W. Wall H	N 29° 38' 59.40" W 098° 17' 46.30"	PARTLY CLOUDY 92° E 8	13:21	NT	NT	NT	1184	112.00	3,850	City Property Line
06/15/21	06/15/2021 Lower W. Wall H	N 29° 38' 59.40" W 098° 17' 46.30"	PARTLY CLOUDY 92° E 8	13:21	NT	NT	NT	1184	112.00	3,223	Michels - 9118 Tuscan Hills
06/15/21	06/15/2021 Lower W. Wall H	N 29° 38' 59.40" W 098° 17' 46.30"	PARTLY CLOUDY 92° E 8	13:21	0.023	8.5	97.0	1184	112.00	3,730	Warden - 21375 Gunther Grove
06/15/21	06/15/2021 Lower W. Wall H	N 29° 38' 59.40" W 098° 17' 46.30"	PARTLY CLOUDY 92° E 8	13:21	0.030	21.7	93.0	1184	112.00	3,467	Warden Property Line
06/16/21	06/16/2021 Aggie Pit W. A	N 29° 38' 45.70" W 098° 17' 36.30"	CLEAR 91° E 10	13:55	NT	NT	NT	1101	676.00	8,748	Bower Residence
06/16/21	06/16/2021 Aggie Pit W. A	N 29° 38' 45.70" W 098° 17' 36.30"	CLEAR 91° E 10	13:55	0.033	5.1	108.0	1101	676.00	2,863	City Property Line
06/16/21	06/16/2021 Aggie Pit W. A	N 29° 38' 45.70" W 098° 17' 36.30"	CLEAR 91° E 10	13:55	0.073	13.9	106.0	1101	676.00	3,851	Michels - 9118 Tuscan Hills
06/16/21	06/16/2021 Aggie Pit W. A	N 29° 38' 45.70" W 098° 17' 36.30"	CLEAR 91° E 10	13:55	0.123	13.5	106.0	1101	676.00	2,323	Warden - 21375 Gunther Grove
06/16/21	06/16/2021 Aggie Pit W. A	N 29° 38' 45.70" W 098° 17' 36.30"	CLEAR 91° E 10	13:55	0.145	16.1	107.0	1101	676.00	2,028	Warden Property Line

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2021**

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
06/18/21	06/18/2021 Aggie Pit W. A	N 29° 38' 46.14" W 098° 17' 46.39"	SUNNY 90° SE 7	13:55	NT	NT	NT	1210	769.00	8,265	Bower Residence
06/18/21	06/18/2021 Aggie Pit W. A	N 29° 38' 46.14" W 098° 17' 46.39"	SUNNY 90° SE 7	13:55	0.070	7.0	103.0	1210	769.00	2,536	City Property Line
06/18/21	06/18/2021 Aggie Pit W. A	N 29° 38' 46.14" W 098° 17' 46.39"	SUNNY 90° SE 7	13:55	0.090	7.8	91.0	1210	769.00	2,961	Michels - 9118 Tuscan Hills
06/18/21	06/18/2021 Aggie Pit W. A	N 29° 38' 46.14" W 098° 17' 46.39"	SUNNY 90° SE 7	13:55	0.180	15.2	106.0	1210	769.00	2,412	Warden - 21375 Gunther Grove
06/18/21	06/18/2021 Aggie Pit W. A	N 29° 38' 46.14" W 098° 17' 46.39"	SUNNY 90° SE 7	13:55	0.203	21.7	111.0	1210	769.00	2,165	Warden Property Line
06/22/21	06/22/2021 Pond 4 Level 1 W. A	N 29° 38' 58.93" W 098° 17' 24.57"	CLOUDY 84° NE 17	13:31	NT	NT	NT	1546	731.00	10,441	Bower Residence
06/22/21	06/22/2021 Pond 4 Level 1 W. A	N 29° 38' 58.93" W 098° 17' 24.57"	CLOUDY 84° NE 17	13:31	0.023	7.1	102.0	1546	731.00	4,552	City Property Line
06/22/21	06/22/2021 Pond 4 Level 1 W. A	N 29° 38' 58.93" W 098° 17' 24.57"	CLOUDY 84° NE 17	13:31	0.023	11.4	88.0	1546	731.00	5,029	Michels - 9118 Tuscan Hills
06/22/21	06/22/2021 Pond 4 Level 1 W. A	N 29° 38' 58.93" W 098° 17' 24.57"	CLOUDY 84° NE 17	13:31	0.073	9.4	109.0	1546	731.00	3,886	Warden - 21375 Gunther Grove
06/22/21	06/22/2021 Pond 4 Level 1 W. A	N 29° 38' 58.93" W 098° 17' 24.57"	CLOUDY 84° NE 17	13:31	0.063	11.6	109.0	1546	731.00	3,584	Warden Property Line
06/23/21	06/23/2021 Base Pit N. A	N 29° 38' 23.98" W 098° 17' 8.97"	SUNNY 91° SE 14	13:29	NT	NT	NT	1280	247.00	9,109	Bower Residence
06/23/21	06/23/2021 Base Pit N. A	N 29° 38' 23.98" W 098° 17' 8.97"	SUNNY 91° SE 14	13:29	0.023	6.4	87.0	1280	247.00	3,971	City Property Line
06/23/21	06/23/2021 Base Pit N. A	N 29° 38' 23.98" W 098° 17' 8.97"	SUNNY 91° SE 14	13:29	0.093	19.2	98.0	1280	247.00	1,779	Holly - 9916 Trophy Oaks
06/23/21	06/23/2021 Base Pit N. A	N 29° 38' 23.98" W 098° 17' 8.97"	SUNNY 91° SE 14	13:29	0.020	13.2	83.0	1280	247.00	6,677	Michels - 9118 Tuscan Hills
06/23/21	06/23/2021 Base Pit N. A	N 29° 38' 23.98" W 098° 17' 8.97"	SUNNY 91° SE 14	13:29	0.075	15.6	98.0	1280	247.00	2,735	Warden - 21375 Gunther Grove

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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
JUNE 2021**

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
06/24/21	06/24/2021 Aggie Pit N. A	N 29° 38' 53.05" W 098° 17' 42.89"	SUNNY 90° SE 14	13:15	NT	NT	NT	953	653.00	9,021	Bower Residence
06/24/21	06/24/2021 Aggie Pit N. A	N 29° 38' 53.05" W 098° 17' 42.89"	SUNNY 90° SE 14	13:15	0.023	6.0	106.0	953	653.00	3,295	City Property Line
06/24/21	06/24/2021 Aggie Pit N. A	N 29° 38' 53.05" W 098° 17' 42.89"	SUNNY 90° SE 14	13:15	0.045	13.9	88.0	953	653.00	3,325	Michels - 9118 Tuscan Hills
06/24/21	06/24/2021 Aggie Pit N. A	N 29° 38' 53.05" W 098° 17' 42.89"	SUNNY 90° SE 14	13:15	0.085	7.9	108.0	953	653.00	3,056	Warden - 21375 Gunther Grove
06/24/21	06/24/2021 Aggie Pit N. A	N 29° 38' 53.05" W 098° 17' 42.89"	SUNNY 90° SE 14	13:15	0.085	15.2	113.0	953	653.00	2,783	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
2021-15Q	March	3/25/2021	1:30pm	3/25/2021	David Covington	9607 Primrose		5	1 1/2	3300	No	Blast shook walls so much picture fell off.	3/25/2021
2021-16Q	May	5/26/2021	2:30pm	5/26/2021	Janet Hayslip	8318 Garden Arbor	408-839-8650	4	1	3300	No	long rumbling and vibration	5/26/2021
2021-17Q	May	5/28/2021	11:05am	5/28/2021	Leon Timmerman	9926 Trophy Oaks	210-651-1615	5	1	2500	No	The blast was very strong and annoying. I was busy in the kitchen preparing	5/28/2021
2021-18Q	June	6/18/2021	1:31pm	6/23/2021	Ilona Thomas	21659 Valley Park	210-639-4767	5	1	2600	Yes	Each blast seems to be more intense than the last. However, this one was the most intense as the walls seemed to shake violently as it would in an earthquake. I am now noticing cracks in my walls!	6/23/2021

Citizen Quarry Blast Impact Report - Submission #2719

Date Submitted: 3/25/2021

First Name

David

Last Name

Covington

Report Date

3/25/2021

Phone Number:

E-Mail Address

[REDACTED]

Address1

9607 Primrose

Blast Date/Time:

3/25/21 1:30pm

Please describe the event.

Blast shook walls so much picture fell off.

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?

Wotking

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

S

What is the approximate square footage of your home?

3300

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

1.5

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 #2808

Date Submitted: 5/26/2021

First Name

Janet

Last Name

Hayslip

Report Date

mm/dd/yyyy

Phone Number:

4088398650

E-Mail Address

[REDACTED]

Address1

8318 Garden Arbor

Blast Date/Time:

May 26, 2021 2:330p

Please describe the event.

Long rumbling and vibration

How did this blast compare to other blasts?

longer

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 office - front of house

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

North/northwest

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 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 #2812

Date Submitted: 5/28/2021

First Name

Leon

Last Name

Timmerman

Report Date

5/28/2021

Phone Number:

2106511615

E-Mail Address

Address1

9926 Trophy Oaks Dr

Blast Date/Time:

05/28/21 - 1105AM

Please describe the event.

For Leon Timmerman via phone conversation --The blast was very strong and annoying. I was busy in the kitchen preparing food for lunch.

How did this blast compare to other blasts?

Just as bad or worst than previous blast complaints

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?

prep

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

w

What is the approximate square footage of your home?

2500

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

1

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 #2836

Date Submitted: 6/23/2021

First Name

Ilona

Last Name

Thomas

Report Date

6/23/2021

Phone Number:

210-639-4767

E-Mail Address

[REDACTED]

Address1

21659 Valley Park Drive, Garden Ridge, Tx. 78266

Blast Date/Time:

6/18/21-- 1.31pm

Please describe the event.

The walls in my house shook. At first I thought it was an earthquake but then realized it was yet another blast!

How did this blast compare to other blasts?

Each blast seems to be more intense than the last. However, this one was the most intense as the walls seemed to shake violently as it would in an earthquake. I am now noticing cracks in my walls!

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?

Doing dishes

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

NW

What is the approximate square footage of your home?

2600

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

1

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.



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 1, 2021

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. Steve Ezell, Mr. Riley Pumphrey, Mr. Darryl Borg, and Mr. Dustin Althoff. The complete contact information for these gentlemen is as follows:

Steve Ezell, Health & Safety Manager (972) 832-3875
[REDACTED]

Riley Pumphrey, General Manager (512) 864-4185
[REDACTED]

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

Dustin Althoff, Technical Representative (512) 229-7894
[REDACTED]

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 2022 fiscal year. If you have any questions or concerns, please feel free to contact me or Mr. Borg.

Sincerely,

Dustin Althoff
Technical Representative



Buckley Powder Co.

A Dyno Nobel Distributor

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



Date: July 1, 2021

TO: City of Garden Ridge

CC: Steve Ezell, Riley Pumphrey, Darryl Borg

From: Dustin Althoff
Technical Representative
Buckley Powder Company

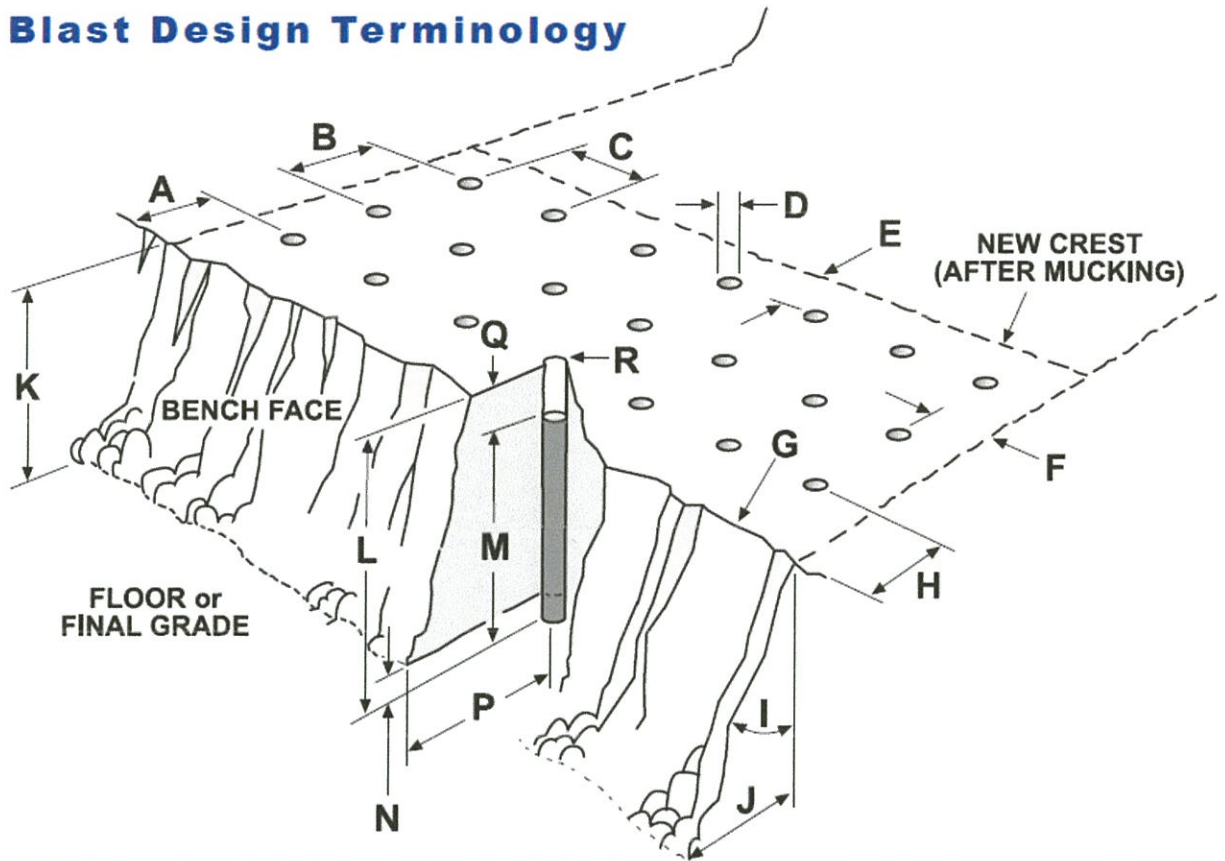
All Buckley Powder blasters are required to attend at least 40 hours of classroom training and testing to ensure they have a complete understanding of these procedures. Along with classroom training, they are provided extensive field training before ever actually being assigned duties as a lead blaster.

The City of Garden Ridge has 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

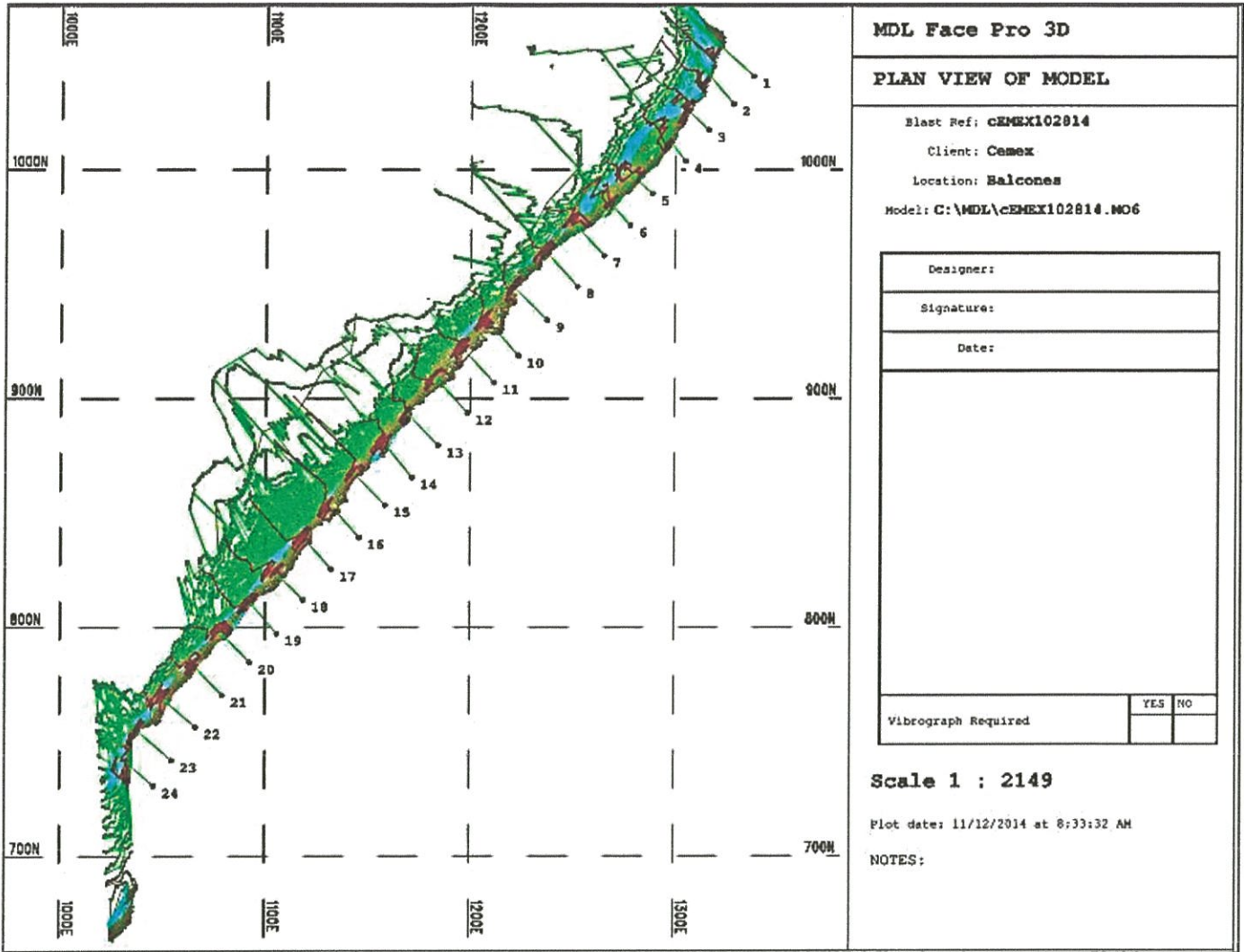
drill logs or observed by the blaster as he inspects the face; inert material will be placed in that area of the column to prevent venting which may increase air overpressure and noise. The powder column will be stopped at a predetermined distance from the top of the hole. This is called the stemming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

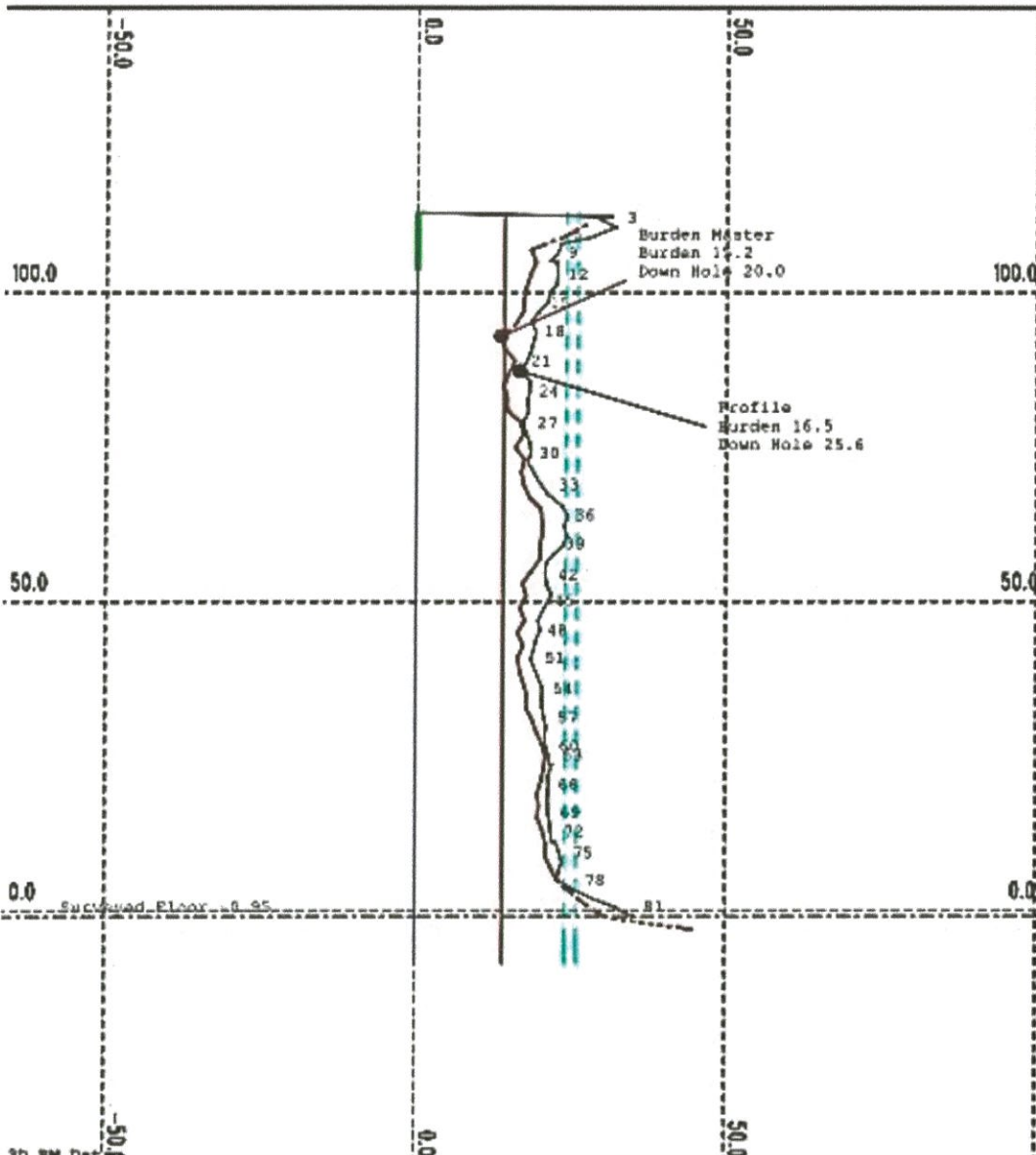
There are few places left where our customers have not had developments build around them. Buckley Powder has been very successful helping those customers deal with community concerns. We take great pride in our education program for our personnel concerning safety and technology. If you have further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



Aerial view of blast pattern created from 3D profile software

MDL Face Pro 3D

Shothole No: 2



Profile Data		
Pnt	Depth	Burden
3	2.4	32.0+
6	5.0	23.1-
9	8.0	22.4-
12	11.6	22.4-
15	16.2	19.5-
18	20.8	18.8-
21	25.6	16.5-
24	30.5	17.8-
27	35.6	17.5-
30	40.5	18.0-
33	45.5	21.1-
36	50.5	23.8-
39	55.1	22.2-
42	60.2	21.1-
45	64.9	20.4-
48	69.1	19.3-
51	73.6	19.0-
54	78.6	20.3-
57	83.2	21.0-
60	87.9	21.4-
63	89.3	22.0-
66	94.1	21.3-
69	98.6	21.7-
72	101.7	22.1-
75	105.2	23.7-
78	109.6	25.6
81	113.9	35.2+

BM Data	
Depth	Burden
4.0	23.5-
8.0	19.7-
12.0	18.2-
16.0	17.7-
20.0	15.2-
24.0	16.5-
28.0	15.6-
32.0	16.1-
36.0	17.1-
40.0	17.4-
44.0	17.9-
48.0	20.7-
52.0	21.4-
56.0	20.6-
60.0	18.5-
64.0	18.1-
68.0	17.8-
72.0	17.2-
76.0	18.0-
80.0	19.0-
84.0	20.1-
88.0	20.9-
92.0	20.8-
96.0	21.0-
100.0	21.1-
104.0	21.1-
108.0	23.0-
112.0	28.4+
116.0	45.2+

3D BM Data

Client : Cemex
 Location : Balcones
 From Model : C:\MDL\cEMEX102614.M06

Scale 1:1000
 Collar to Surveyed Floor: 113.9

Shothole Number: 2	Shothole Offset: 0.0
East: 1328.5	Lateral: 0.0
North: 1028.9	Vert Face Height: 113.3
Height: 113.0	Sectional Area: 2423.9m2
Azimuth: 316.6	Planned Burden: 25.0
Drill Angle: 0.0	Burden Tolerance: 3.6%
Hole Depth: 121.6	Proposed Bench: N/A
	Critical Burden: 14.0
	Stemming: 9.00
	Sub Drill: 4.0

BM Settings
 Search Width: 7.0
 Separation: H:2.0 V:2
 Burden to report: 15.0

Notes Hole Diameter : 6.50

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



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/25/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh USA Inc. 2929 Allen Parkway, Suite 2500 Houston, TX 77019 CN102019137--CAS-21-22	CONTACT NAME: Dangie Fletcher PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: Dangie.Fletcher@marsh.com																				
	<table border="1"> <thead> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Starr Indemnity & Liability Company</td> <td></td> <td>38318</td> </tr> <tr> <td>INSURER B : American Guarantee and Liability Insurance Company</td> <td></td> <td>26247</td> </tr> <tr> <td>INSURER C : N/A</td> <td></td> <td>N/A</td> </tr> <tr> <td>INSURER D :</td> <td></td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A : Starr Indemnity & Liability Company		38318	INSURER B : American Guarantee and Liability Insurance Company		26247	INSURER C : N/A		N/A	INSURER D :			INSURER E :			INSURER F :	
INSURER(S) AFFORDING COVERAGE		NAIC #																			
INSURER A : Starr Indemnity & Liability Company		38318																			
INSURER B : American Guarantee and Liability Insurance Company		26247																			
INSURER C : N/A		N/A																			
INSURER D :																					
INSURER E :																					
INSURER F :																					

COVERAGES **CERTIFICATE NUMBER:** HOU-003623520-06 **REVISION NUMBER:** 1

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			1000090348211	07/01/2021	07/01/2022	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			1000198724211	07/01/2021	07/01/2022	COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			AUC 3793061 13	04/01/2021	04/01/2022	EACH OCCURRENCE	\$ 5,000,000
A				100009550521 3M excess over Auto	04/01/2021	04/01/2022	AGGREGATE	\$ 5,000,000
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			1000002255	07/01/2021	07/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Subject always to policy terms, conditions and exclusions, Certificate Holder and the City of Garden Ridge is named as Additional Insured (excluding Workers' Compensation and Employers' Liability) but only to the extent of risks and liabilities assumed by the Named Insured in a signed written contract.

CERTIFICATE HOLDER Hanson Aggregates Servtex Quarry PO Box 311535 New Braunfels, TX 78131	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE of Marsh USA Inc. Manashi Mukherjee <i>Manashi Mukherjee</i>
---	---

© 1988-2016 ACORD CORPORATION. All rights reserved.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/25/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh USA Inc. 2929 Allen Parkway, Suite 2500 Houston, TX 77019 CN102019137-CAS-21-22	CONTACT NAME: Dangie Fletcher PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: Dangie.Fletcher@marsh.com													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Starr Indemnity & Liability Company</td> <td>38318</td> </tr> <tr> <td>INSURER B : American Guarantee and Liability Insurance Company</td> <td>26247</td> </tr> <tr> <td>INSURER C : N/A</td> <td>N/A</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Starr Indemnity & Liability Company	38318	INSURER B : American Guarantee and Liability Insurance Company	26247	INSURER C : N/A	N/A	INSURER D :		INSURER E :		INSURER F :
INSURER(S) AFFORDING COVERAGE	NAIC #													
INSURER A : Starr Indemnity & Liability Company	38318													
INSURER B : American Guarantee and Liability Insurance Company	26247													
INSURER C : N/A	N/A													
INSURER D :														
INSURER E :														
INSURER F :														

COVERAGES **CERTIFICATE NUMBER:** HOU-003623459-06 **REVISION NUMBER:** 1

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			1000090348211	07/01/2021	07/01/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/IOP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			1000198724211	07/01/2021	07/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			AUC 3793061 13 100009550521 3M excess over Auto	04/01/2021 04/01/2021	04/01/2022 04/01/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	1000002255	07/01/2021	07/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Subject always to policy terms, conditions and exclusions, Certificate Holder is named as Additional Insured (excluding Workers' Compensation and Employers' Liability) but only to the extent of risks and liabilities assumed by the Named Insured in a signed written contract.

CERTIFICATE HOLDER City of Garden Ridge 9400 Municipal Parkway Garden Ridge, TX 78266	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE of Marsh USA Inc. Manashi Mukherjee <i>Manashi Mukherjee</i>
---	---

© 1988-2016 ACORD CORPORATION. All rights reserved.

Hanson Aggregates
Servtex Quarry

June 24, 2021

Nancy Cain
City Administrator
City of Garden Ridge
9500 Municipal Parkway
Garden Ridge, Texas 78266-2600

Nancy,

We have asked Buckley Powder to re-apply for a Partial Exemption Permit for blasting within the city limits of Garden Ridge per Ordinance 34 for the fiscal year of 2022 (October 1, 2021 to September 30, 2022).

We will assist with any necessary documentation for this permit. Please do not hesitate to contact me directly if there are any questions or concerns. [REDACTED]

Also attached is the property tax max.

Thank you,

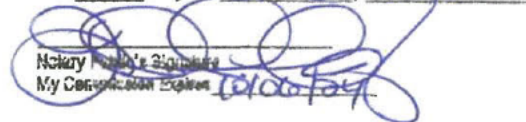


Pat Pieton
Plant Manager

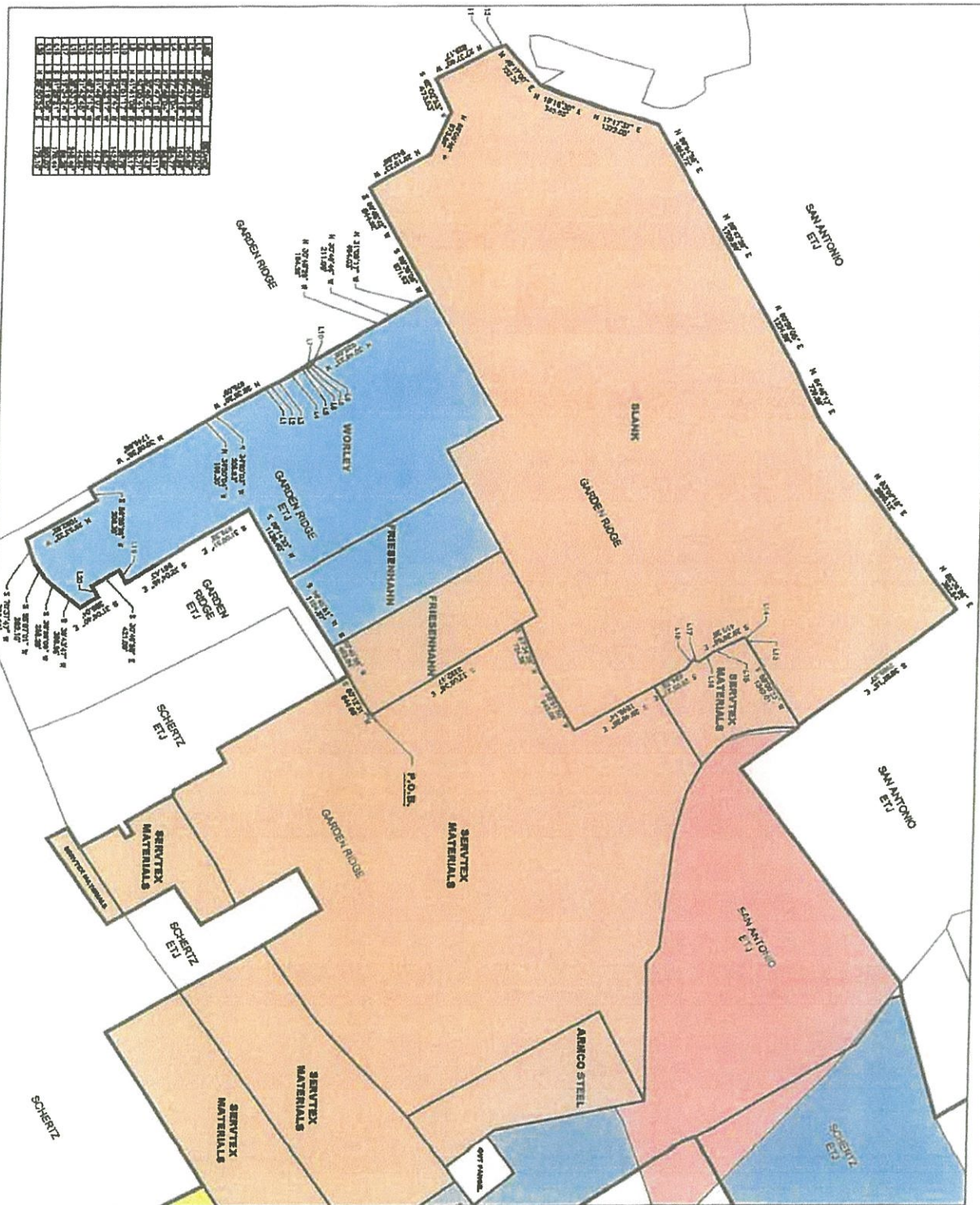
CC: Bill Saly, Hanson Aggregates;
Clayton Mears, Hanson Aggregates;
Lalit Bhatnagar, Hanson Aggregates;
Pierre Levesque, Buckley Powder;
Dustin Althoff, Buckley Powder

State of Tx
County of Guadalupe

Sworn to and subscribed before me on
the 24 day of June, 2021

Notary Public's Signature
My Commission Expires 10/06/2024






GRAPHIC SCALE:
 1" = 100' (APPROXIMATE)
 0 100 200 300 400 500 600 700 800 900 1000

LEGEND

- PROPERTY BOUNDARY
- PANEL BOUNDARY
- OWNER'S RECORD
- OWNER'S RECORD - STJ
- SCHERTZ
- SCHERTZ - STJ
- SAN ANTONIO - STJ
- SAN ANTONIO - STJ

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

LEIGH HANSON REGION SOUTH SERVTEX QUARRY COMAL COUNTY, TEXAS

Leigh Hanson
 HEDDLEBERG/CASHE/COPY

Leigh Hanson
 2000-2001
 2002-2003
 2004-2005
 2006-2007
 2008-2009
 2010-2011
 2012-2013
 2014-2015
 2016-2017
 2018-2019
 2020-2021
 2022-2023
 2024-2025

<p>PROPERTY MAP WITH METES & BOUNDS FOR PARTIAL EXEMPTION PERMIT FOR BLASTING</p>	<p>LEIGH HANSON REGION SOUTH SERVTEX QUARRY COMAL COUNTY, TEXAS</p>	<p>Leigh Hanson HEDDLEBERG/CASHE/COPY</p>
--	--	--

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. Reeves</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-

James Adams
Licensee/Permittee Responsible Person Signature

Branch Manager
Position/Title

Lance Adams
Printed Name

8/22/2019
Date

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 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.

Cut Here ✂

(Continued on reverse side)

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.



U.S. Department of Justice
 Bureau of Alcohol, Tobacco, Firearms and Explosives
 Federal Explosives Licensing Center (FELC)
 www.atf.gov

Federal Explosives Licensing Center
 244 Needy Road 12/22/2020
 Martinsburg, West Virginia 25405
 telephone: (877)283-3352 fax: (304)616-4401

NOTICE OF CLEARANCE

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

ISSUED TO: BUCKLEY POWDER CO

Federal Explosives license/permit no 5-TX-091-20-21-01236

NOTICE DATE: 12/22/2020

Expiration Date: **September 1, 2022**

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: 21-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 DRAUNFELS, 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) : 10
 Number of EMPLOYEE POSSESSOR(S): 32

LAST NAME, First Name, Middle Name	Clearance Status
RESPONSIBLE PERSONS:	10
0001 ADAMS, LANCE HENRY	Cleared
0002 BRETZING, STEPHEN KARI	Cleared
0003 BUCKLEY, JOSEPH STEVEN	Cleared
0004 BUCKLEY, RAYMOND LEE JR	Cleared
0005 BUCKLEY, STEVE LEE	Cleared
0006 HARMAN, SCOTT EDWARD	Cleared
0007 KOSTANTEWICZ, JEROME	Cleared
0008 MARKS, JILL BUCKLEY	Cleared

continued

LAST NAME, First Name, Middle Name	Clearance Status
0009 MEDLIN, JASON SCOTT	Cleared
0010 PUMPHREY, JAY ROY	Cleared
EMPLOYEE POSSESSORS:	32
0001 ALTHOFF, DUSTIN JAMES	Cleared
0002 ASMUSSEN, JASON ROBERT	Cleared
0003 BORG, DARRYL JOSEPH	Cleared
0004 BROWN, BRADLEY EUGENE	Cleared
0005 CATES, JOSHUA LEE	Cleared
0006 CORTEZ, ISAAC	Cleared

U.S. DEPARTMENT OF JUSTICE, BUREAU OF ALCOHOL, TOBACCO, FIREARMS AND EXPLOSIVES, FEDERAL EXPLOSIVES LICENSING CENTER, 244 NEEDY ROAD, MARTINSBURG, WEST VIRGINIA 25405

Assistant City Secretary

From: albert haddad [REDACTED]
Sent: Monday, January 11, 2021 8:43 PM
To: Assistant City Secretary
Cc: City Administrator
Subject: Re: FW: [EXTERNAL] Hanson Servtex Garden Ridge 01-07-2021 Base Pit Northwest A

Kat,

Thank you so much for your fabulous organizing abilities! I am Hereby recommending you for a raise!

I really appreciate you sending my certificates of completion of the open meeting courses that are required by the the City fir the quarry commission. If I can assist in any other way, please let me know. Also, I am copying Nancy that I hope what you and I discussed about the Courses is what Nancy wanted to talk to me about.

If you all have another volunteer for the Quarry commission, I will gladly submit my resignation when you have one.

Nancy, please let me know if I can do anything for the City.

Respectfully,

Albert

Albert Haddad, Commercial Real Estate & Finance Advisor

(210) 216-0166
[REDACTED]

Spectrum Lenders, LLC, Managing Member
IHS, LLC Asset Manager

The information contained herein is from sources deemed reliable, but is not warranted. If this email is received in error, please destroy and notify us of error. Thank you. Albert Haddad, Principal

On Thu, Jan 7, 2021 at 3:09 PM Assistant City Secretary <Asstcitysecretary@ci.garden-ridge.tx.us> wrote:

[REDACTED]

Print

City Commission Volunteer Interest Form - Submission #2651

Date Submitted: 2/7/2021



City of Garden Ridge

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

City Commission Volunteer Interest Form

First Name*

Brenda

Last Name

Reynolds

Address*

20525 Wahl Lane

Phone Number

210-867-8079

Email Address

[REDACTED]

Date of Birth*

[REDACTED]

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

human resources executive

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

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

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

I've lived in Garden Ridge since 2006. My son has gone to school here since kindergarten and he is going to finish high school here (graduates in 2027). I love our community and want to do my part to help and serve.

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

previous Board Member of American Heart Association and YMCA of Greater San Antonio

Please attach your resume or a bio.*

Resume for Brenda Reynolds February 2021.docx

Date

2/7/2021

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

BRENDA REYNOLDS

20525 Wahl Ln, San Antonio 78266

210-867-8079 ~ [REDACTED]

PROFESSIONAL EXPERIENCE

AIRROSTI / San Antonio, TX

July 2007 through March 2020

Vice President, Human Resources

Airrosti is a patient-centered healthcare organization focused on fixing patients efficiently, while providing the highest level of quality care. As Vice President of HR, I managed a team responsible for all aspects of human resources, HIPAA compliance, credentialing, and risk management. These responsibilities included, but were not limited to;

- Talent Acquisition and Onboarding
- Employee Health and Wellness Benefits
- Company 401k
- Executive & Specialty Provider Benefits
- Compensation Administration
- Provider Compensation
- Organizational Policies and Procedures / Legal Compliance
- Internal Employee Investigations
- HIPAA Compliance
- Risk Management –
 - Managed malpractice insurance for 250+ providers and was primary contact for all malpractice claims
 - Managed all internal investigations
- Provider Credentialing
- Company Culture and Employee Relations
- Performance Management and Professional Development
- Employee Exits

We also partnered with other departments to meet their unique and specific business needs:

- Credentialing Committee Chair
- Manage automated Incident Reporting process
- Manage patient reported outcome tracking to identify treatment outliers
- Help as needed to write and implement various patient protocols such as Modesty Policy, Minor Consent, Consent to Share Information, etc.
- Conduct annual Case Review training series for providers which resulted in significantly higher awareness (proven through an increase in incident reports)
- Provide monthly training for Call Center management

HR CONSULTANT – APTIS / EUR
2004 – 2007

Vice President, Human Resources

Served as VPHR for this telecommunications company as they merged two entities (Aptis acquired EUR). Was responsible for all aspects of HR and worked with all department leaders to facilitate the merge of two very different cultures. Company was ultimately sold to private equity firm.

USLD / BILLING CONCEPTS/ NEXTIRA ONE
DECEMBER 1991 THROUGH MARCH 2003

Vice President, Human Resources

Started in 1991 with USLD as HR Manager with objective to start HR department for small but rapidly growing telecommunications company. Company grew quickly to 1,200+ employees organically and through acquisition. In 1996 the CEO split the company into two separate entities– USLD and Billing Concepts. USLD was sold and I stayed with CEO as head of HR for Billing Concepts. In 2001 Billing Concepts was acquired by Platinum Equity. Platinum Equity offered me a position as head of HR for their largest acquisition to date at that time, Nextira One. In all these roles I was responsible for all aspects of HR.

PROFESSIONAL AFFILIATIONS

SOCIETY OF HUMAN RESOURCE MANAGEMENT

SHRM-SCP CERTIFICATION recertification July 2021

PROFESSIONAL REFERENCES PROVIDED UPON REQUEST

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	Oct 20 Sept 22	
Jerry Barucky	3	Sep 14 Sept 16	Sept 16 Sept 18	Sept 18 Sept 20	Oct 20 Sept 22				
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				
David Biersner	7	Feb 21 Sept 22							

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

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

WHEREAS City Council and each Commission, and therein Council members and Commissioners, represent the City of Garden Ridge and all its citizens, and should strive to present transparent, professional, efficient, and consistent meetings, not only to represent the citizens who have elected and appointed Council and Commission members;

WHEREAS there are numerous City Commissions created to assist in the governance of the City of Garden Ridge, each independent of one another, created at different times with different procedures of operation;

WHEREAS, the City Council has determined that a policy is needed to establish uniform standards for citizens seeking appointment to boards and commissions and to ensure uniform operating procedures for all boards and commissions.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE CITY OF GARDEN RIDGE:

Section 1. Findings. The findings set out herein are found to be true and correct and are hereby adopted by the City Council and made a part of this Ordinance for all purposes.

Section 2. Adoption of Policy. The City of Garden Ridge City Council adopts the following as its policy for the operating procedures and the appointment of citizens to City boards and commissions:

- I. Commissions and Relevant Ordinances.
 - A. Planning and Zoning Commission
 1. Ordinances 7-112017; 13-06217; 55-122017
 - B. Quarry Commission
 1. Ordinance 34-082012
 - C. Water Commission
 1. 54-042017; 61-112017; 159-052015

D. Wildlife Management Advisory Commission

1. 186-122015; 196-022017

II. Qualifications for Office.

Every candidate seeking appointment to a City board or commission will meet these qualifications:

- A. Be a registered voter in Garden Ridge, Comal County, Texas;
- B. Have resided in the City for at least six (6) months as of the deadline for filing for the position;
- C. Not have been convicted of a felony for which he or she has not been pardoned or acquitted; and
- D. Not have been found mentally incompetent by a final judgment of a court.

III. Terms of Office.

- A. Commissioners will be appointed for two- (2) year terms.
- B. Commissioners' terms of office will overlap one another to create staggered terms of office:
 - 1. The staggered terms in effect at the time of the adoption of this policy will remain in effect.
 - 2. When a new board or commission is created, each place will be assigned a number. The odd numbered positions will begin in one year and the even numbered positions will begin the following year.
- C. Commissioners may not serve more than four (4) consecutive terms on any one Commission without at least one (1) year off the Commission. The one (1) year off period shall begin on the date of expiration of the fourth consecutive term.
- D. For purposes of determining consecutive terms, a person will be deemed to have served on a Commission if the person has served as a member for at least one-half (1/2) of a two- (2) year term.
- E. This section will not apply to service on a different City Commission or where good cause exists to appoint a person for a fourth or longer consecutive term. For this purpose, good cause will be determined by the City Council, and includes but is not limited to, circumstances in which:

1. More than one-half (1/2) of the members of a City Commission are inexperienced with the work of the Commission, in which case the incumbent member(s), determined by Council to meet the good cause exception, may be reappointed for only one (1) additional term; or
 2. There are not sufficient qualified citizens interested in serving on said City Commission.
- F. A person who is not eligible for reappointment to a Commission under this section will remain ineligible for reappointment to said Commission for a period of one (1) year from the date the person's term will expire.
- G. A person who is not eligible for reappointment to a City Commission under this section is eligible for appointment to a different City Commission.
- H. Commissioners currently serving on a City Commission who exceed these rules of consecutive terms may complete their current term of office.
- I. Chairs will be appointed for a maximum of two (2) consecutive terms of office as Chair. The Chair may remain on the Commission as a regular member after completing his or her term as Chair.
1. A Chair may be reappointed as Chair after remaining out of the position for one (1) year.
- J. Vice Chairs will be appointed for a maximum of two (2) consecutive terms of office as Vice Chair. The Vice Chair may remain on the Commission as a regular member, or as Chair, after completing his or her term as Vice Chair.
1. A Vice Chair may be reappointed as Vice Chair after remaining out of the position for one (1) year.

IV. Attendance.

The City Secretary will distribute a meeting attendance inquiry to each Commissioner prior to each meeting. No later than one (1) business day prior to a meeting, each Commissioner will:

- A. Respond to the Secretary's inquiry; and
- B. Notify the Commission Chair if he or she will be absent.
 1. If the Chair will be absent the Chair will notify the Vice Chair.
 - a. Absences Defined.

- i. Excused Absence.
 - a) An absence that results from a medical reason of the member or a relative of the member;
 - b) Child care for a newly born child during the first eight (8) weeks of the child's life (or) the first eight (8) weeks of an adopted child's life in the home;
 - c) Military deployment;
 - d) Family emergency; or
 - e) Jury duty.
- ii. Voluntary and Announced Absence.
 - a) An absence other than an Excused Absence.
 - b) Commissioner has notified both the City Secretary and the Commission Chair or Vice Chair no later than one (1) business day prior to the meeting.
- iii. Unannounced Absence.
 - a) Failure to inform the City Secretary and the Commission Chair no later than one (1) business day prior to the meeting.

V. Termination.

- A. Three (3) consecutive absences or four (4) total absences in a twelve (12) month period will result in automatic termination with the following exceptions:
 - 1. If all absences are Excused Absences, the Commission can recommend termination be waived by a majority vote of the Commission, with such recommendation forwarded to Council for a final determination;
 - 2. If all absences are Voluntary and Announced Absences, the Commission can recommend termination be waived by a majority vote of the Commission to allow a fourth (4th) consecutive absence or a (5th) total absence, with such recommendation forwarded to Council for a final determination.

- B. City Council can, by majority vote, waive any of the above conditions.
- C. If a Commissioner becomes ineligible as stipulated in Section II, Qualifications for Office, membership on the Commission will terminate immediately.
- D. The Commission may make a recommendation to have a Commissioner terminated for cause, by majority of the full Commission, with such recommendation forwarded to Council for a final determination.

VI. Vacancies.

It is the intent of the City Council that collectively, members to each Commission shall, by diversity of their individual occupations and experience, be broadly representative of the City. The Council may establish specific qualifications and amend such qualifications as needed to meet the objective of each board or commission.

- A. When a vacancy occurs, the City will seek qualified candidates via all reasonable means from the public, after such vacancy has been advertised for at least one (1) month prior to any appointment.
- B. All applicants will be reviewed by City Staff to validate qualifications and eligibility, after which all qualified applicants will be interviewed during a regular Commission meeting on which there is the vacancy.
 - 1. Previous applicants for Commission positions will be considered equally with new applicants.
- C. After all qualified applicants have been interviewed by the Commission at a regular Commission meeting; the Commission's recommendation for appointment will be forwarded to City Council for an additional interview or final determination on the recommendation.
 - 1. The Commission recommendation will be based on the majority vote of the Commission, with such recommendation being forwarded to Council for their consideration.

VII. Preparation.

All Commissioners will be prepared for each meeting; all Commissioners will be able to spontaneously run any meeting should the need arise in the absence of the Chair and the Vice Chair.

- A. Thoroughly review the agenda packet, including agenda reports, onsite inspections when appropriate, and any other pertinent material before the meeting.
- B. Know the responsibilities of the Commission as well as the limitations of his/her individual authority. A Commissioner is a member of an advisory body which requires that his/her provide informed recommendations to City Council.
- C. Be familiar with the Texas Open Meetings Act [TOMA], and be cautious with electronic communication regarding any issue, notably the risk of “walking quorums” that can occur unintentionally.
- D. Maintain familiarity with the following:
 - 1. “Findings Necessary to Grant a Variance” document as provided by the City Attorney;
 - 2. Robert’s Rules of Order;
 - 3. Commission’s annual calendar reflecting the regular meeting dates of City Council and each Commission; and
 - 4. The current Handbook for Mayors and Councilmembers as published by the Texas Municipal League.

VIII. Procedures and Decorum.

City Council is dependent on each Commission to make recommendations to the City Council. It is through not only the City’s Council meetings but through input from Commission meetings that Council can receive citizen input.

Robert’s Rules of Order will be followed in all cases where applicable to ensure the Chair as leader can conduct an efficient procedural meeting. However, strict adherence to the rules is not necessary for the orderly conduct of meetings.

When a joint City Council/City Commission meeting is held, the Mayor will chair the meeting.

A. Agendas.

- 1. Items will be placed on the agenda by the Chair and the City Administrator adhering to established deadlines.
 - a. The deadline for submission of an agenda item is fourteen (14) days prior to the Commission meeting.

3. Items may be placed on the agenda in any of the following ways:
 - a. Unanimous consent or majority vote during a Commission meeting;
 - b. Outside of a public meeting, paying particular attention to adhering to Texas Open Meetings Acts Procedures, by:
 - i. The Chair;
 - ii. The Chair and a Commissioner. The Chair may consider nominations to the agenda from an individual Commissioner; or
 - iii. Two (2) Commissioners. If two (2) Commissioners wish to nominate an item for an agenda, they must both contact the City Administrator prior to the established deadline. The Chair may not remove an item placed on an agenda by prior direction of the Commission.
 - c. In accordance with the Texas Open Meetings Act [TOMA], items not on the agenda may not be discussed at that meeting.
4. Commission packets will be sent electronically to Commissioners seven (7) days prior to the meeting.
 - a. Review the agenda and attached minutes from prior meeting(s) for corrections/amendments. Notify the City Secretary of any corrections or amendments two (2) business days prior to the public posting date.
5. Each Commission will create a Rolling Agenda to reflect items the Commission would like to consider in the future. The Rolling Agenda will reflect the Commissioner who initiated the request as well as the ongoing status of the item.

B. The Chair will:

1. Begin meetings on time. He or she will keep the agenda in mind to give each item the appropriate consideration;
2. Be responsible for maintaining procedure and decorum at each meeting;
3. Ensure that all comments are electronically recorded for the record by having all participants speak into a microphone;

4. Ensure that the use of other electronic devices is limited to pertinent, urgent, or emergency use only;
5. Ensure that fair, impartial review and respect for all members of the Commission, Staff, and audience will be maintained;
6. Remain a non-voting member; he or she will vote only in the case of a tie; and
7. Report, in person, during City Council meetings, any and all pertinent Commission recommendations. If the Chair is unavailable, he or she will ensure the Vice Chair or an available representative from the Commission appears before City Council. Absent an available representative, the Chair will deliver a written summary of the Commission's recommendation to the City Administrator prior to the City Council Meeting.

C. The Vice Chair will:

1. Assume the duties of the Chair when the Chair is absent; in the absence of both the Chair and the Vice Chair and assuming there remains a quorum, a temporary Chair will be selected from the remaining Commission members for that meeting.

D. Ex Officio.

A City Council member will serve as an Ex Officio member of each Commission except Planning and Zoning.

1. The Ex Officio member will be a non-voting advisory position only.

F. Dress Code.

The dress code for all scheduled Commission meetings will be "business casual", except when an offsite meeting necessitates other appropriate attire as directed by the Chair.

G. Social Media.

Commissioners should be judicious in their use of social media. Commissioners, in their official capacity representing the Commission or the City, will not respond, comment, or post opinion, views, or information on social media that relates to any matter the Commission is considering, discussing, or recommending to City Council.

IX. Training and Education.

- A. Within two (2) months of appointment, a Commissioner will complete training for new Commissioners including Open Meetings Act Training and The Public Information Act Training as provided by The Office of the Attorney General of Texas.
- B. The City Administrator, with input from the Commission Chairs, will advise Commissioners of the dates and locations of approved seminars, and will facilitate the Commissioners' registration and attendance. The Commissioners will be entitled to reimbursement for reasonable costs of attendance.
- C. Each Commissioner will attend at least two (2) regular City Council meetings during each calendar year.
- D. Each Commissioner will attend an annual training session pertinent to that Commission's responsibilities as determined by the Chair.
- E. Each Chair will establish an Ordinance review tutorial as an agenda item a maximum of every two (2) years. The City Attorney will attend.
- F. Each Commission will be aware of the State Legislature's session that occurs every two (2) years. When relevant, new laws and procedures will be reviewed by each Commission during a Commission Meeting.
- G. Due to specific legal requirements associated with participation on the Planning and Zoning Commission, Commissioners will attend training related to Planning and Zoning as deemed appropriate by the City Administrator. Attendance at an approved seminar on land use, environmental or planning issues within three (3) years prior to appointment is acceptable, otherwise a new Commissioner must complete the requirement within one (1) year of appointment. Reappointed Commissioners must attend such training at least every four (4) years.
- H. Wildlife Management Advisory Commission members will attend training by Texas Parks and Wildlife or other approved sources every two (2) years.

Section 3. Interpretation of rules.

In the event of any dispute related to the interpretation or application of the policy established herein, the City Council will hear and make such determinations as needed.

Section 4. Cumulative and savings.

This Ordinance shall be cumulative of all provisions of ordinances of the City of Garden Ridge, Texas, except where the provisions of the ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are

hereby repealed. Any and all previous versions of this Ordinance to the extent that they are in conflict herewith are repealed.

Section 5. Severability.

The provisions of this Ordinance are declared to be severable. If any section, sentence, clause, or phrase of the Ordinance shall for any reason be held to be invalid or unconstitutional by a court of competent jurisdiction, such decisions shall not affect the validity of the remaining sections, sentences, clauses, and phrases of this Ordinance, but they shall remain in effect; it being the legislative intent that this Ordinance shall remain in effect notwithstanding the validity of any part.

Section 6. Effective date.

This ordinance shall become effective immediately upon its passage, approval and publication as provided by law.

PASSED AND APPROVED ON this 7th day of February, 2018.



Larry Thompson, Mayor

ATTEST:



Shelley Goodwin, City Secretary

Future Agenda Items

Quarry Commission

September 13, 2021

Regular Meeting

- 12 days before Meeting (9/01/21) Commission and Staff items are due
- 10 days before Meeting (9/03/21) City Administrator and Chair review agenda.
City Attorney is sent the agenda for approval.
- 7 days before Meeting (9/06/21) 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 (9/09/21) Post Agenda Packet to CivicClerk
- 3 days before Meeting (9/10/21) (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		

Approvals

1. Minutes 7/12/21

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

Quarry Commission Rolling Attendance

Commissioner	1/13/20 Regular Meeting	3/9/20 Regular Meeting	9/14/20 Regular Meeting	11/9/20 Regular Meeting	1/11/21 Regular Meeting	3/8/21 Regular Meeting				
Shands	P	P	P	P	P	P				
Barucky	P	P	P	P	P	P				
Biersner						P				
Haddad	P	P	P	A	P	P				
Armando		P	P	P	P	P				
Holly	P	P	P	P	P	P				
Mudge	A	P	P	P	P	P				

P	Present	P-QNM	Present but quorum not met	E	Excused for reasons allowed in Ord. 210
U	Unannounced Absence		Not member yet	A	Voluntary Announced Absence

Quarry Commission's Attendance at City Council Regular Meetings

Commissioners	1/6/21 Regular Meeting	2/3/21 Regular Meeting	3/3/21 Regular Meeting	4/7/21 Regular Meeting	5/5/21 Regular Meeting	6/2/21 Regular Meeting	7/7/21 Regular Meeting				Total for year
Shands			P								1
Barucky				P							0
Biersner											0
Haddad			P				P				2
Armando											0
Holly	P	P	P	P			P				4
Mudge		P									1
	Met requirements			Not met requirements							