



City of Garden Ridge

9400 Municipal Parkway
Garden Ridge, Texas 78266-2600
(210) 651-6632
Fax (210) 651-9638

AGENDA REGULAR SESSION GARDEN RIDGE QUARRY COMMISSION MEETING Monday, May 8, 2017 at 6:00 p.m.

The Garden Ridge City Quarry Commission will meet in regular session on Monday, May 8, 2017 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 on or before May 5, 2017 before 5:00 p.m., 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 48 hours prior to this meeting.

1. Call to Order :
2. Roll Call:
3. Approval of Minutes:
 - a. March 13, 2017 Regular Quarry Commission Meeting
4. Citizens Comments:

Rules for Citizen's Participation:

The Quarry Commission welcomes citizen participation and comments at all of their Commission Meetings. As a courtesy to your fellow citizens and out of respect to our elected officials, we request that if you speak, that you please follow these guidelines.

- a. Direct your comments to the entire Commission, not to an individual member, nor to the audience.
- b. Show the Commission the same respect and courtesy that you would like to be shown.
- c. Limit remarks to three (3) minutes per citizen during Item 4 and to three (3) minutes per citizen during Item 6.
- d. Citizens' comments will be limited to one (1) hour in Item 4 and thirty (30) minutes in Item 6.
- e. Citizen comments may be deferred to a specific Business Item set forth in Section 5, below, if such comments pertain to such Business Item

*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 City Quarry Commission may discuss, consider, and /or take possible action for possible recommendation to the City Council for the following items:

- a. Review and discussion on the monthly Hanson Quarry blasting analysis data reported by Vibratex. Discussion with Hanson Servtex and Blasting contractors, on recent quarry operations, including any unusual blasts that occurred during reported month/s and/or current month.
- b. Review individual citizen blast report/s, follow up on citizen blast report/s and/or assign Quarry Commission member contact with citizen/s, as necessary.
- c. Discussion on number of, placement and location of monitors and other matters related to monitoring of blasts by Vibratex and notification to residents of monitor placements.
- d. Discuss Grapevine article topics and future author/s of articles.
- e. Discuss future training sessions.

6. Citizen's Participation: - 3 minute limit per citizen.
See "Rules for Citizen's Participation" under Item 4.

7. Training Session.

Presentation by Vibra-Tech regarding the blast engineering process.

8. 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 City Quarry Commission may vote and/or act upon any item within this Agenda. The Commission reserves the right to retire into executive session concerning any of the items listed on this Agenda, pursuant to and in accordance with Texas Government Code Section 551.071, to seek the advice of its attorney about pending or contemplated litigation, settlement offer or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas conflict with the Open Meetings Act and may invoke this right where the City Attorney, the Mayor or a majority of the Governing Body deems an executive session is necessary to allow privileged consultation between the City Attorney and the governing body, if considered necessary and legally justified under the

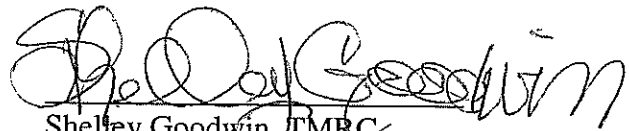
Open Meetings Act. The City Attorney may appear in person, or appear in executive session by conference call in accordance with applicable state law.

Executive Sessions Authorized:

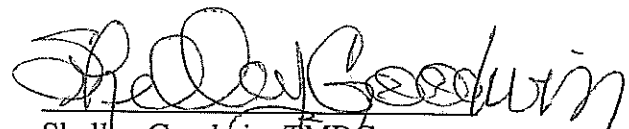
This agenda has been reviewed and approved by the City's legal counsel and the presence of any subject in any Executive Session portion of the agenda constitutes a written interpretation of Texas Government Code Chapter 551 by legal counsel for the governmental body and constitutes an opinion by the attorney that the items discussed therein may be legally discussed in the closed portion of the meeting considering available opinions of a court of record and opinions of the Texas Attorney General known to the attorney. This provision has been added to this agenda with the intent to meet all elements necessary to satisfy Texas Government Code Chapter 551.144(c) and the meeting is conducted by all participants in reliance on this opinion.

Attendance By Other Elected or Appointed Officials:

It is anticipated that members of other city board, commissions and/or committees may attend the meeting in numbers that may constitute a quorum of the 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 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.


Shelley Goodwin, TMRC
City Secretary

This is to certify that I, Shelley Goodwin, posted this Agenda at 9:00am on May 5, 2017 on the bulletin board located at the entrance to the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas.


Shelley Goodwin, TMRC
City Secretary



City of Garden Ridge

9400 Municipal Parkway
Garden Ridge, Texas 78266-2600
(210) 651-6632
Fax (210) 651-9638

MINUTES OF QUARRY COMMISSION REGULAR MEETING **MARCH 13, 2017**

Members Present:

Chairman Mike Shands
Vice Chairman Wayne Mudge
Commissioner Richard Holloway
Commissioner Johnell Holly
Commissioner Jerry Barucky
Commissioner Mark DuBois

Member Absent:

Commissioner Albert Haddad

City Staff Present:

Shelley Goodwin, City Secretary
Lori Claus, Administrative Assistant

1. Call to Order

With a quorum of the Quarry Commission Members present, Chairman Mike Shands called the regular meeting of the Garden Ridge Quarry Commission to order at 6:04 p.m. on Monday, March 13, 2017, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Approval of Minutes:

a) January 9, 2017 Regular Quarry Commission Meeting

Motion: Upon motion made by Commissioner Holly and seconded by Commissioner DuBois to approve the January 9, 2017 Regular Quarry Commission Meeting Minutes. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously.

3. Citizens Comments

No one wished to speak.

4. **Business Items:**

The City Quarry Commission may discuss, consider, and /or take possible action for possible recommendation to the City Council for the following items:

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

Nicholas Rightinger of Vibra-Tech presented and discussed the January blast analysis. He stated that 12 blasts occurred during the month of January and none of the blasts exceeded the limits of Ordinance 34. The highest ppv readings occurred on January 30, 2017 in Upper 3B, with 0.283 ppv recorded at the Warden residence. The strongest air blast occurred on January 5, 2017, in 3D with an overpressure of 115 dB recorded at the Warden residence, January 26, 2017 in 4A with an overpressure of 115 dB recorded at the City property line, and January 30, 2017 in Upper 3B with an overpressure of 115 dB recorded at the Warden residence. He also discussed the timing and shots.

He then presented and discussed the February blast analysis. He stated that 13 blasts occurred during the month of February and none of the blasts exceeded the limits of Ordinance 34. The highest ppv readings occurred on February 17, 2017 in Upper 3B, with 0.333 ppv recorded at the Warden residence. The strongest air blast occurred on February 2 at South Wall C at the Holly residence and February 24, 2017 at Lower C at the Warren residence, with an overpressure of 114 dB recorded. He also discussed the timing and shots.

The Quarry Commission discussed the shots and the blast analysis. Nicholas Rightinger discussed the relationship of various measurements taken and how the intensity of blasts felt by the residents is affected by location, natural barriers such as trees and berms, weather, winds and general topography.

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

The Quarry Commission reviewed the citizen blast reports that were received from Larry Scott, Laurie Jones, Janet Hayslip and William Slaughter.

Nicholas Rightinger, Vibra-Tech, reviewed the shot reports for each citizen blast report received during the months of January and February. He noted that there was no blast on January 25, 2017, the date of Laurie Jones' blast report, and the shot may be attributed to the new quarry on Marbach Road, which is not in City limits. A discussion regarding how to differentiate whether a blast is from activities at Hanson Quarry or the Marbach Quarry, and citizens must accurately note date and time of the blast.

The Quarry Commission discussed the shots and which Commissioner will contact the citizens that made the reports.

c. Discussion on number of, placement and location of monitors and other matters related to monitoring of blasts by Vibratex and notification to residents of monitor placements.

The Quarry Commission discussed the placement of the roving monitor. The roving monitor is currently at the Cohen residence and there were no requests from residents about placing the roving monitor at their homes. They encouraged residents who are interested in the placement of a monitor at their home to contact the City of Garden Ridge.

d. Request from Buckley Powder Co. for a Partial Exemption Permit to conduct blasting activities at the Hanson Quarry until September 30, 2017 to include a \$17,800 fee for the Partial Exemption Permit

i. Discussion and consideration of recommendation to City Council.

Steve Davis, Safety Manager of Buckley Powder Co., advised that Buckley Powder Co. is a family owned business that started in 1921 in Colorado. They currently have locations from Montana to South Texas. They employ 20 blasters in the Texas, Louisiana and southern Oklahoma region. All individuals listed on the Notice of Clearance have been cleared.

The Quarry Commission questioned Mr. Davis about the time frame for the permit, Buckley's experience and knowledge about the region, reporting requirements, blaster personnel, and other concerns.

Motion: Upon motion made by Commissioner Holloway and seconded by Commissioner Holly to recommend to City Council the approval of Buckley Powder Co.'s Partial Exemption Permit to conduct blasting activities at the Hanson Quarry until September 30, 2017. The Quarry Commission voted six (6) for, none (0) opposed. The motion carried unanimously.

e. Discuss Grapevine article topics.

Jerry Barucky will continue to author Grapevine articles on topics of his choosing.

f. Discuss future training sessions.

Nolan Eckroade, Technical Services Manager of Vibra-Tech offered to conduct a 30 minute session at the May Quarry Commission Meeting regarding the blast engineering process.

5. Citizen's Participation: - 3 minute limit per citizen.

No one wished to speak.

6. Adjournment:

There being no further business, the Monday, March 13, 2017 Garden Ridge Quarry Commission regular meeting was adjourned at 6:48 p.m. by Chairman Shands.

Mike Shands
Quarry Commission Chair

ATTEST

Shelley Goodwin
City Secretary

**SIGN IN TO SPEAK AT THE MARCH 13, 2017
QUARRY COMMISSION REGULAR MEETING**

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- b. Show the Commission the same respect and courtesy that you expect to be shown to you.
- c. Limit remarks to three (3) minutes.

Disclaimer:

Any disruptive behavior, including shouting or derogatory statements or comments, will 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.

NAME

ADDRESS

SUBJECT

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

April 3, 2017

Mr. Mike Shands
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. Shands,

Enclosed is the analysis for the blasting conducted during the month of March 2017 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2017 Blast Data Management Book.

At the request of the Garden Ridge Quarry Commission, Vibra-Tech, Inc. personnel used seismographs each day of blasting at various locations.

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).

Garden Ridge City Ordinance 34 was **exceeded** for ground vibration at the Warden Residence on 03/31/17. This reading **satisfies** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980). All other recorded ground vibrations **satisfy** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980), as well as the levels set forth in Garden Ridge City Ordinance 34.

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

If there are any additional questions, please contact the Quarry Commission, Mike Shands at (210) 257-0868, or attend the Quarry Commission meeting held the 2nd Monday of each month at 7:00 p.m.

Respectfully submitted,

VIBRA-TECH, INC.

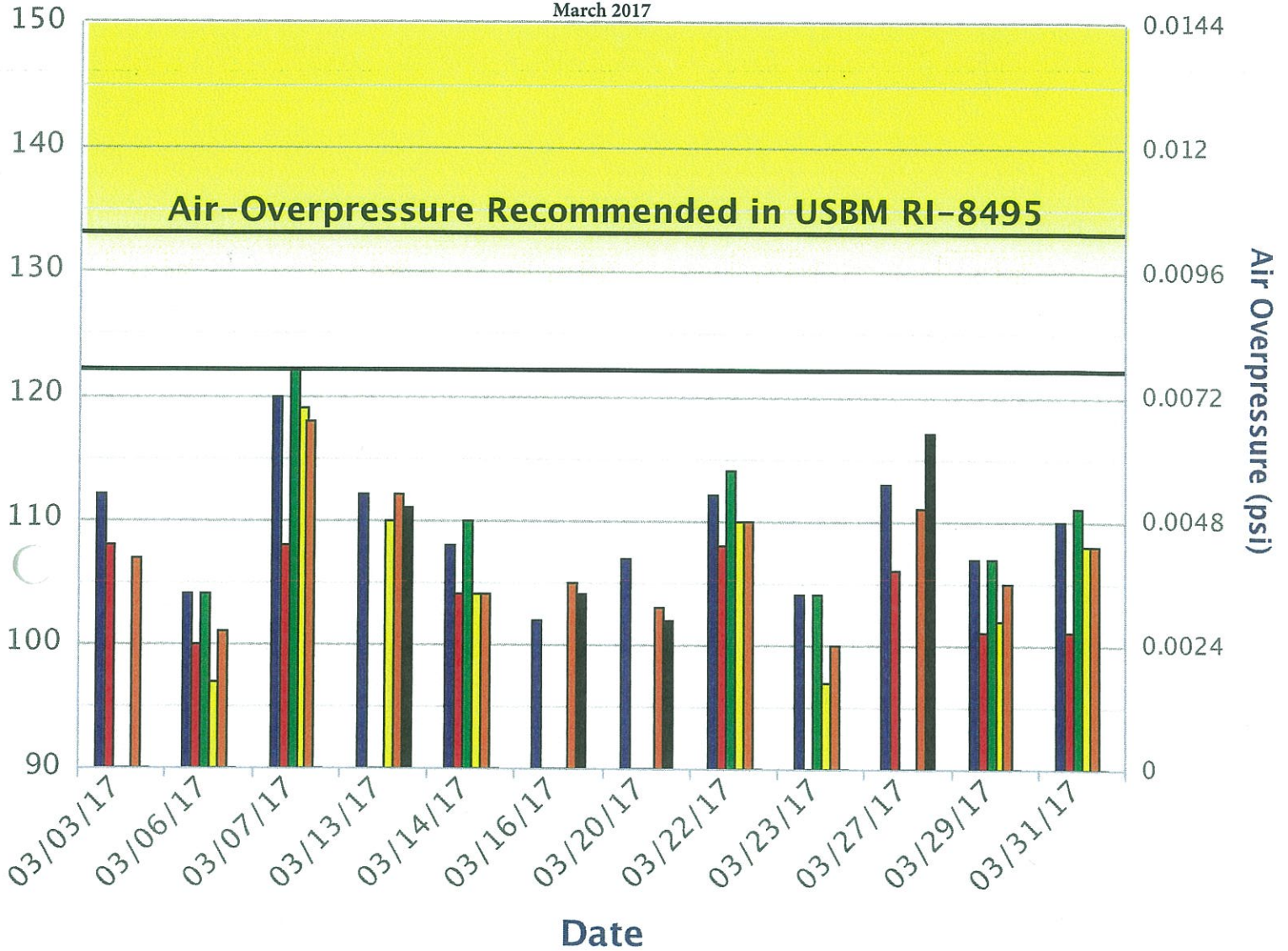
A handwritten signature in blue ink, consisting of two distinct, stylized cursive-like shapes.

Geoffrey Rigsby
Southwest Regional Manager

cc: Jacob Scherer, Hanson – Servtex

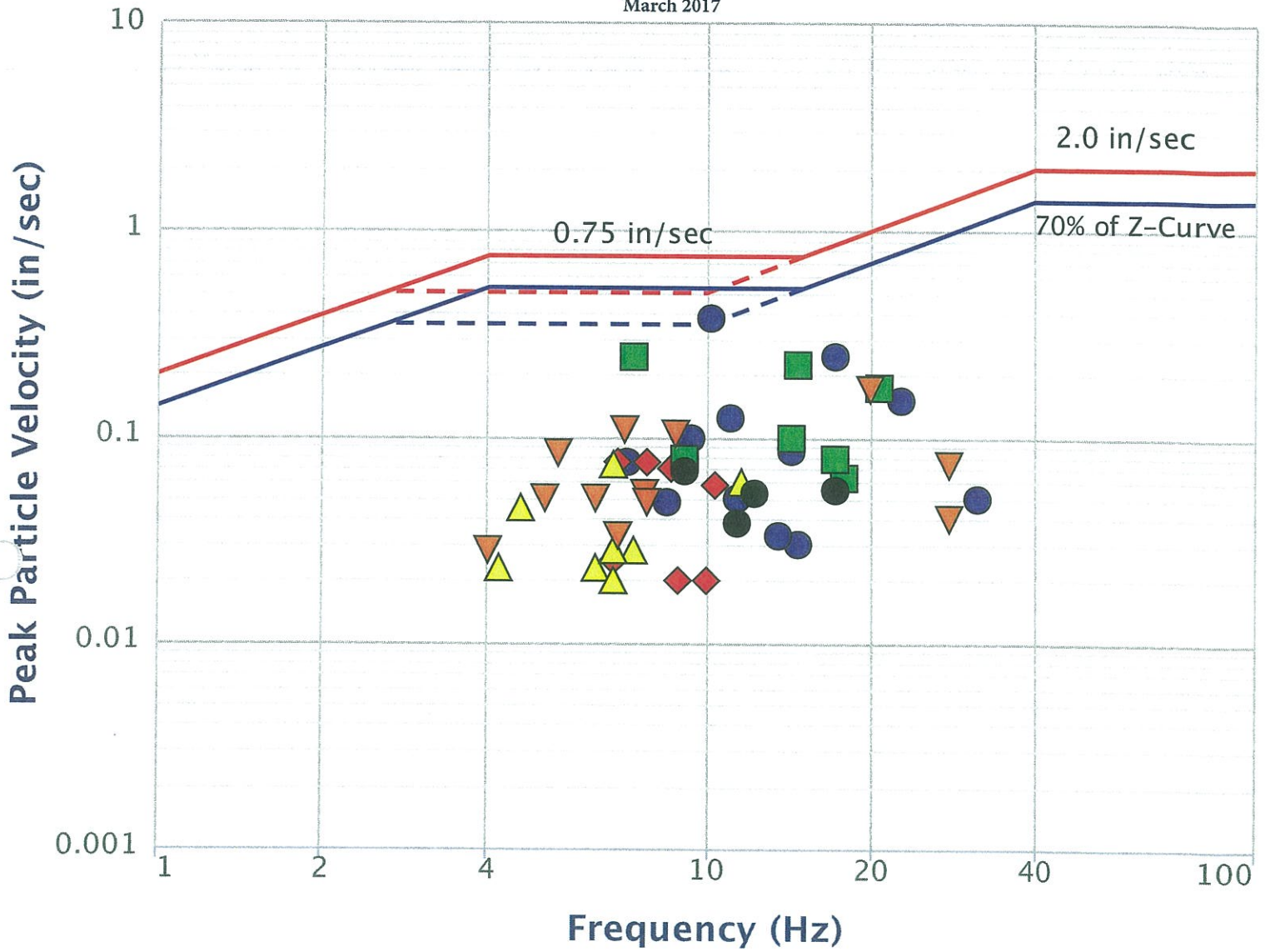


Garden Ridge Quarry Commission
Garden Ridge, Texas
AO Graph
March 2017



■ Warden Residence
 ■ Michels Residence
 ■ Warden Property Line
 ■ City Property Line
■ Cohen Residence
 ■ Holly Residence

Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
March 2017



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

GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2017

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
03/03/17	03-03-17 Bench 5	N 29° 39' 6.5" W 098° 17' 16.9"	PT CLOUDY 70° SE 7	11:26	NT	NT	NT	656	252.00	5,516	City Property Line
03/03/17	03-03-17 Bench 5	N 29° 39' 6.5" W 098° 17' 16.9"	PT CLOUDY 70° SE 7	11:26	0.040	27.8	107.0	656	252.00	5,559	Cohen - 10041 Trophy Oaks
03/03/17	03-03-17 Bench 5	N 29° 39' 6.5" W 098° 17' 16.9"	PT CLOUDY 70° SE 7	11:26	0.020	10.0	108.0	656	252.00	5,699	Michels - 9118 Tuscan Hills
03/03/17	03-03-17 Bench 5	N 29° 39' 6.5" W 098° 17' 16.9"	PT CLOUDY 70° SE 7	11:26	0.050	31.3	112.0	656	252.00	4,855	Warden - 21375 Gunther Grove
03/03/17	03-03-17 Bench 5	N 29° 39' 6.5" W 098° 17' 16.9"	PT CLOUDY 70° SE 7	11:26	NT	NT	NT	656	252.00	4,634	Warden Property Line
03/06/17	03-06-17 3D	N 29° 38' 45.7" W 098° 17' 39.7"	CLOUDY 72° SE 12	14:38	0.023	6.3	97.0	810	1140.00	2,654	City Property Line
03/06/17	03-06-17 3D	N 29° 38' 45.7" W 098° 17' 39.7"	CLOUDY 72° SE 12	14:38	0.033	6.9	101.0	810	1140.00	3,179	Cohen - 10041 Trophy Oaks
03/06/17	03-06-17 3D	N 29° 38' 45.7" W 098° 17' 39.7"	CLOUDY 72° SE 12	14:38	0.025	6.8	100.0	810	1140.00	3,556	Michels - 9118 Tuscan Hills
03/06/17	03-06-17 3D	N 29° 38' 45.7" W 098° 17' 39.7"	CLOUDY 72° SE 12	14:38	0.123	11.1	104.0	810	1140.00	2,300	Warden - 21375 Gunther Grove
03/06/17	03-06-17 3D	N 29° 38' 45.7" W 098° 17' 39.7"	CLOUDY 72° SE 12	14:38	0.098	14.3	104.0	810	1140.00	2,099	Warden Property Line
03/07/17	03-07-17 4A	N 29° 39' 01.1" W 098° 17' 40.6"	CLOUDY 68° S 7	11:59	0.028	7.4	119.0	818	567.00	4,072	City Property Line
03/07/17	03-07-17 4A	N 29° 39' 01.1" W 098° 17' 40.6"	CLOUDY 68° S 7	11:59	0.073	27.8	118.0	818	567.00	4,741	Cohen - 10041 Trophy Oaks
03/07/17	03-07-17 4A	N 29° 39' 01.1" W 098° 17' 40.6"	CLOUDY 68° S 7	11:59	0.070	8.6	108.0	818	567.00	3,541	Michels - 9118 Tuscan Hills
03/07/17	03-07-17 4A	N 29° 39' 01.1" W 098° 17' 40.6"	CLOUDY 68° S 7	11:59	0.075	7.2	120.0	818	567.00	3,861	Warden - 21375 Gunther Grove
03/07/17	03-07-17 4A	N 29° 39' 01.1" W 098° 17' 40.6"	CLOUDY 68° S 7	11:59	0.063	17.9	122.0	818	567.00	3,661	Warden Property Line

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

GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2017

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
03/13/17	03-13-17 S Wall D	N 29° 38' 11.9" W 098° 16' 48.5"	CLOUDY 64° NE 12	12:48	0.023	4.2	110.0	730	1036.00	5,868	City Property Line
03/13/17	03-13-17 S Wall D	N 29° 38' 11.9" W 098° 16' 48.5"	CLOUDY 64° NE 12	12:48	0.050	5.1	112.0	730	1036.00	4,259	Cohen - 10041 Trophy Oaks
03/13/17	03-13-17 S Wall D	N 29° 38' 11.9" W 098° 16' 48.5"	CLOUDY 64° NE 12	12:48	0.053	12.2	111.0	730	1036.00	3,318	Holly - 9916 Trophy Oaks
03/13/17	03-13-17 S Wall D	N 29° 38' 11.9" W 098° 16' 48.5"	CLOUDY 64° NE 12	12:48	NT	NT	NT	730	1036.00	8,980	Michels - 9118 Tuscan Hills
03/13/17	03-13-17 S Wall D	N 29° 38' 11.9" W 098° 16' 48.5"	CLOUDY 64° NE 12	12:48	0.048	8.5	112.0	730	1036.00	4,673	Warden - 21375 Gunther Grove
03/14/17	03-14-17 3C	N 29° 39' 4.2" W 098° 17' 39.2"	CLEAR 76° NE 7	11:33	0.045	4.6	104.0	840	425.00	4,409	City Property Line
03/14/17	03-14-17 3C	N 29° 39' 4.2" W 098° 17' 39.2"	CLEAR 76° NE 7	11:33	0.108	7.1	104.0	840	425.00	5,048	Cohen - 10041 Trophy Oaks
03/14/17	03-14-17 3C	N 29° 39' 4.2" W 098° 17' 39.2"	CLEAR 76° NE 7	11:33	0.070	8.6	104.0	840	425.00	3,752	Michels - 9118 Tuscan Hills
03/14/17	03-14-17 3C	N 29° 39' 4.2" W 098° 17' 39.2"	CLEAR 76° NE 7	11:33	0.150	22.7	108.0	840	425.00	4,176	Warden - 21375 Gunther Grove
03/14/17	03-14-17 3C	N 29° 39' 4.2" W 098° 17' 39.2"	CLEAR 76° NE 7	11:33	0.173	20.8	110.0	840	425.00	3,972	Warden Property Line
03/16/17	03-16-17 South Wall B	N 29° 38' 12.6" W 098° 16' 41.6"	CLOUDY 75° S 7	11:52	NT	NT	NT	652	984.00	6,455	City Property Line
03/16/17	03-16-17 South Wall B	N 29° 38' 12.6" W 098° 16' 41.6"	CLOUDY 75° S 7	11:52	0.050	6.3	105.0	652	984.00	4,863	Cohen - 10041 Trophy Oaks
03/16/17	03-16-17 South Wall B	N 29° 38' 12.6" W 098° 16' 41.6"	CLOUDY 75° S 7	11:52	0.055	17.2	104.0	652	984.00	3,918	Holly - 9916 Trophy Oaks
03/16/17	03-16-17 South Wall B	N 29° 38' 12.6" W 098° 16' 41.6"	CLOUDY 75° S 7	11:52	NT	NT	NT	652	984.00	9,496	Michels - 9118 Tuscan Hills
03/16/17	03-16-17 South Wall B	N 29° 38' 12.6" W 098° 16' 41.6"	CLOUDY 75° S 7	11:52	0.030	14.7	102.0	652	984.00	5,251	Warden - 21375 Gunther Grove

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

GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2017

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
03/20/17	03-20-17 S South Wall A	N 29° 38' 13.3" W 098° 16' 36.3"	CLOUDY 78° S 7	11:53	NT	NT	NT	690	875.00	6,906	City Property Line
03/20/17	03-20-17 S South Wall A	N 29° 38' 13.3" W 098° 16' 36.3"	CLOUDY 78° S 7	11:53	0.028	4.0	103.0	690	875.00	5,327	Cohen - 10041 Trophy Oaks
03/20/17	03-20-17 S South Wall A	N 29° 38' 13.3" W 098° 16' 36.3"	CLOUDY 78° S 7	11:53	0.038	11.4	102.0	690	875.00	4,381	Holly - 9916 Trophy Oaks
03/20/17	03-20-17 S South Wall A	N 29° 38' 13.3" W 098° 16' 36.3"	CLOUDY 78° S 7	11:53	NT	NT	NT	690	875.00	9,893	Michels - 9118 Tuscan Hills
03/20/17	03-20-17 S South Wall A	N 29° 38' 13.3" W 098° 16' 36.3"	CLOUDY 78° S 7	11:53	0.033	13.5	107.0	690	875.00	5,696	Warden - 21375 Gunther Grove
03/22/17	03-22-17 4A	N 29° 39' 01.6" W 098° 17' 40.7"	CLOUDY 75° SE 11	12:16	0.020	6.8	110.0	608	569.00	4,118	City Property Line
03/22/17	03-22-17 4A	N 29° 39' 01.6" W 098° 17' 40.7"	CLOUDY 75° SE 11	12:16	0.053	7.7	110.0	608	569.00	4,793	Cohen - 10041 Trophy Oaks
03/22/17	03-22-17 4A	N 29° 39' 01.6" W 098° 17' 40.7"	CLOUDY 75° SE 11	12:16	0.075	6.9	108.0	608	569.00	3,546	Michels - 9118 Tuscan Hills
03/22/17	03-22-17 4A	N 29° 39' 01.6" W 098° 17' 40.7"	CLOUDY 75° SE 11	12:16	0.085	14.3	112.0	608	569.00	3,912	Warden - 21375 Gunther Grove
03/22/17	03-22-17 4A	N 29° 39' 01.6" W 098° 17' 40.7"	CLOUDY 75° SE 11	12:16	0.078	17.2	114.0	608	569.00	3,712	Warden Property Line
03/23/17	03-23-17 3D	N 29° 38' 45.9" W 098° 17' 40.1"	CLOUDY 78° SE 20	11:45	0.028	6.8	97.0	630	1139.00	2,656	City Property Line
03/23/17	03-23-17 3D	N 29° 38' 45.9" W 098° 17' 40.1"	CLOUDY 78° SE 20	11:45	0.048	7.8	100.0	630	1139.00	3,203	Cohen - 10041 Trophy Oaks
03/23/17	03-23-17 3D	N 29° 38' 45.9" W 098° 17' 40.1"	CLOUDY 78° SE 20	11:45	0.058	6.8	101.0	630	1139.00	3,518	Michels - 9118 Tuscan Hills
03/23/17	03-23-17 3D	N 29° 38' 45.9" W 098° 17' 40.1"	CLOUDY 78° SE 20	11:45	0.098	9.4	104.0	630	1139.00	2,321	Warden - 21375 Gunther Grove
03/23/17	03-23-17 3D	N 29° 38' 45.9" W 098° 17' 40.1"	CLOUDY 78° SE 20	11:45	0.078	9.1	104.0	630	1139.00	2,120	Warden Property Line

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

GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
MARCH 2017

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
03/27/17	03-27-17 S Wall C	N 29° 38' 11.9" W 098° 16' 45.3"	PT CLOUDY 78° SE 10	12:14	NT	NT	NT	712	942.00	6,145	City Property Line
03/27/17	03-27-17 S Wall C	N 29° 38' 11.9" W 098° 16' 45.3"	PT CLOUDY 78° SE 10	12:14	0.083	5.4	111.0	712	942.00	4,541	Cohen - 10041 Trophy Oaks
03/27/17	03-27-17 S Wall C	N 29° 38' 11.9" W 098° 16' 45.3"	PT CLOUDY 78° SE 10	12:14	0.068	9.1	117.0	712	942.00	3,599	Holly - 9916 Trophy Oaks
03/27/17	03-27-17 S Wall C	N 29° 38' 11.9" W 098° 16' 45.3"	PT CLOUDY 78° SE 10	12:14	0.020	8.9	106.0	712	942.00	9,232	Michels - 9118 Tuscan Hills
03/27/17	03-27-17 S Wall C	N 29° 38' 11.9" W 098° 16' 45.3"	PT CLOUDY 78° SE 10	12:14	0.050	11.4	113.0	712	942.00	4,947	Warden - 21375 Gunther Grove
03/29/17	03-29-17 3C	N 29° 38' 42.1" W 098° 17' 39.5"	CLEAR 79° SW 9	14:20	0.060	11.6	102.0	872	1028.00	2,349	City Property Line
03/29/17	03-29-17 3C	N 29° 38' 42.1" W 098° 17' 39.5"	CLEAR 79° SW 9	14:20	0.103	8.8	105.0	872	1028.00	2,814	Cohen - 10041 Trophy Oaks
03/29/17	03-29-17 3C	N 29° 38' 42.1" W 098° 17' 39.5"	CLEAR 79° SW 9	14:20	0.058	10.4	101.0	872	1028.00	3,656	Michels - 9118 Tuscan Hills
03/29/17	03-29-17 3C	N 29° 38' 42.1" W 098° 17' 39.5"	CLEAR 79° SW 9	14:20	0.245	17.2	107.0	872	1028.00	1,936	Warden - 21375 Gunther Grove
03/29/17	03-29-17 3C	N 29° 38' 42.1" W 098° 17' 39.5"	CLEAR 79° SW 9	14:20	0.223	14.7	107.0	872	1028.00	1,733	Warden Property Line
03/31/17	03-31-17 Upper 3B	N 29° 38' 39.3" W 098° 17' 38.0"	CLEAR 82° SW 12	12:47	0.073	6.8	108.0	724	267.00	2,198	City Property Line
03/31/17	03-31-17 Upper 3B	N 29° 38' 39.3" W 098° 17' 38.0"	CLEAR 82° SW 12	12:47	0.170	20.0	108.0	724	267.00	2,523	Cohen - 10041 Trophy Oaks
03/31/17	03-31-17 Upper 3B	N 29° 38' 39.3" W 098° 17' 38.0"	CLEAR 82° SW 12	12:47	0.075	7.8	101.0	724	267.00	3,868	Michels - 9118 Tuscan Hills
03/31/17	03-31-17 Upper 3B	N 29° 38' 39.3" W 098° 17' 38.0"	CLEAR 82° SW 12	12:47	0.375	10.2	110.0	724	267.00	1,661	Warden - 21375 Gunther Grove
03/31/17	03-31-17 Upper 3B	N 29° 38' 39.3" W 098° 17' 38.0"	CLEAR 82° SW 12	12:47	0.243	7.4	111.0	724	267.00	1,452	Warden Property Line

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



May 2, 2017

Mr. Mike Shands
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. Shands,

Enclosed is the analysis for the blasting conducted during the month of April 2017 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2017 Blast Data Management Book.

At the request of the Garden Ridge Quarry Commission, Vibra-Tech, Inc. personnel used seismographs each day of blasting at various locations.

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

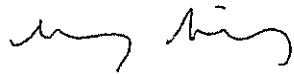
The recorded ground vibrations **satisfy** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

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

If there are any additional questions, please contact the Quarry Commission, Mike Shands at (210) 257-0868, or attend the Quarry Commission meeting held the 2nd Monday of each month at 7:00 p.m.

Respectfully submitted,

VIBRA-TECH, INC.

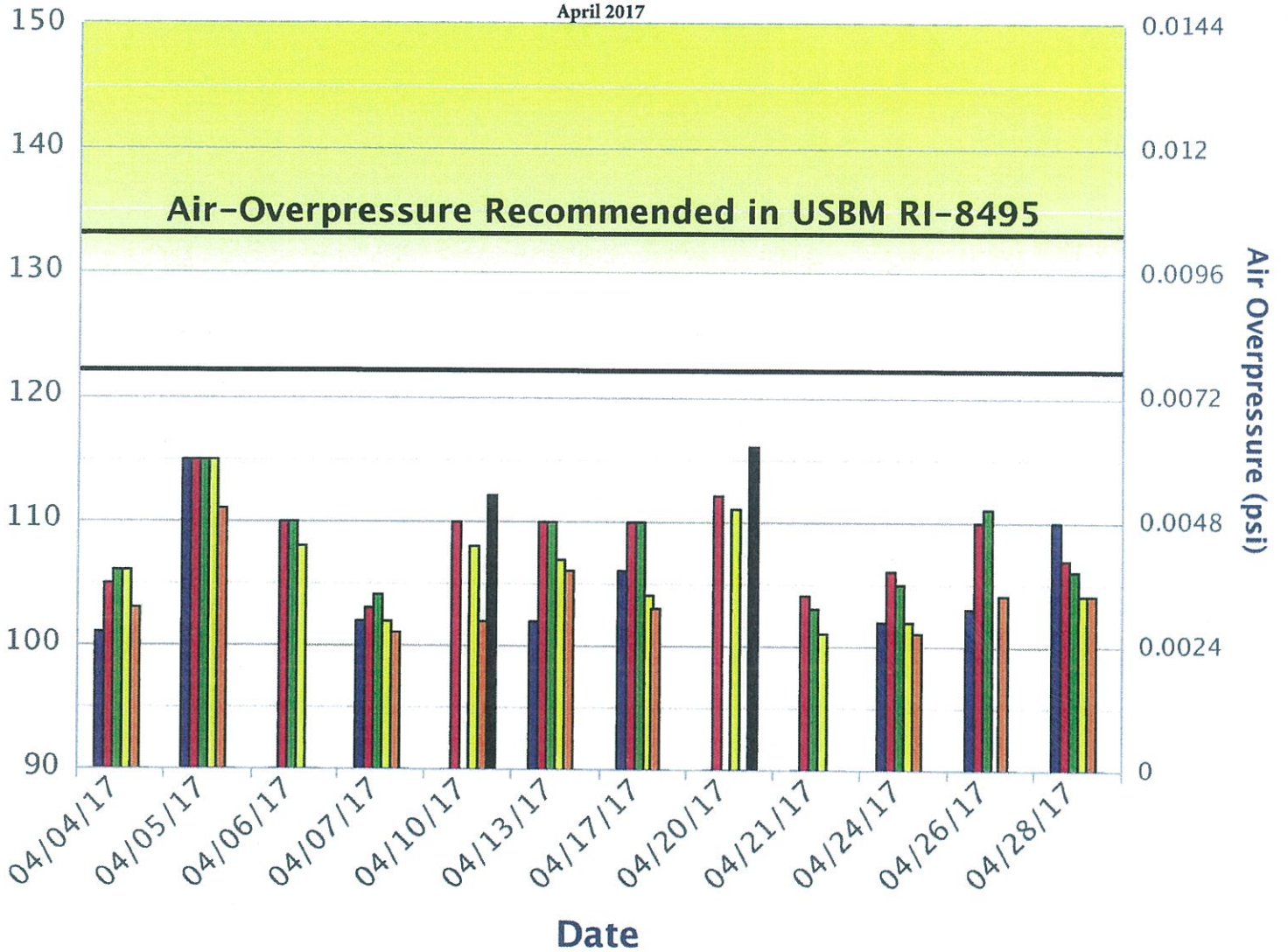
A handwritten signature in black ink, appearing to read "Geoffrey Rigsby". The signature is fluid and cursive, with a prominent "G" and "R".

Geoffrey Rigsby
Southwest Regional Manager

cc: Jacob Scherer, Hanson – Servtex

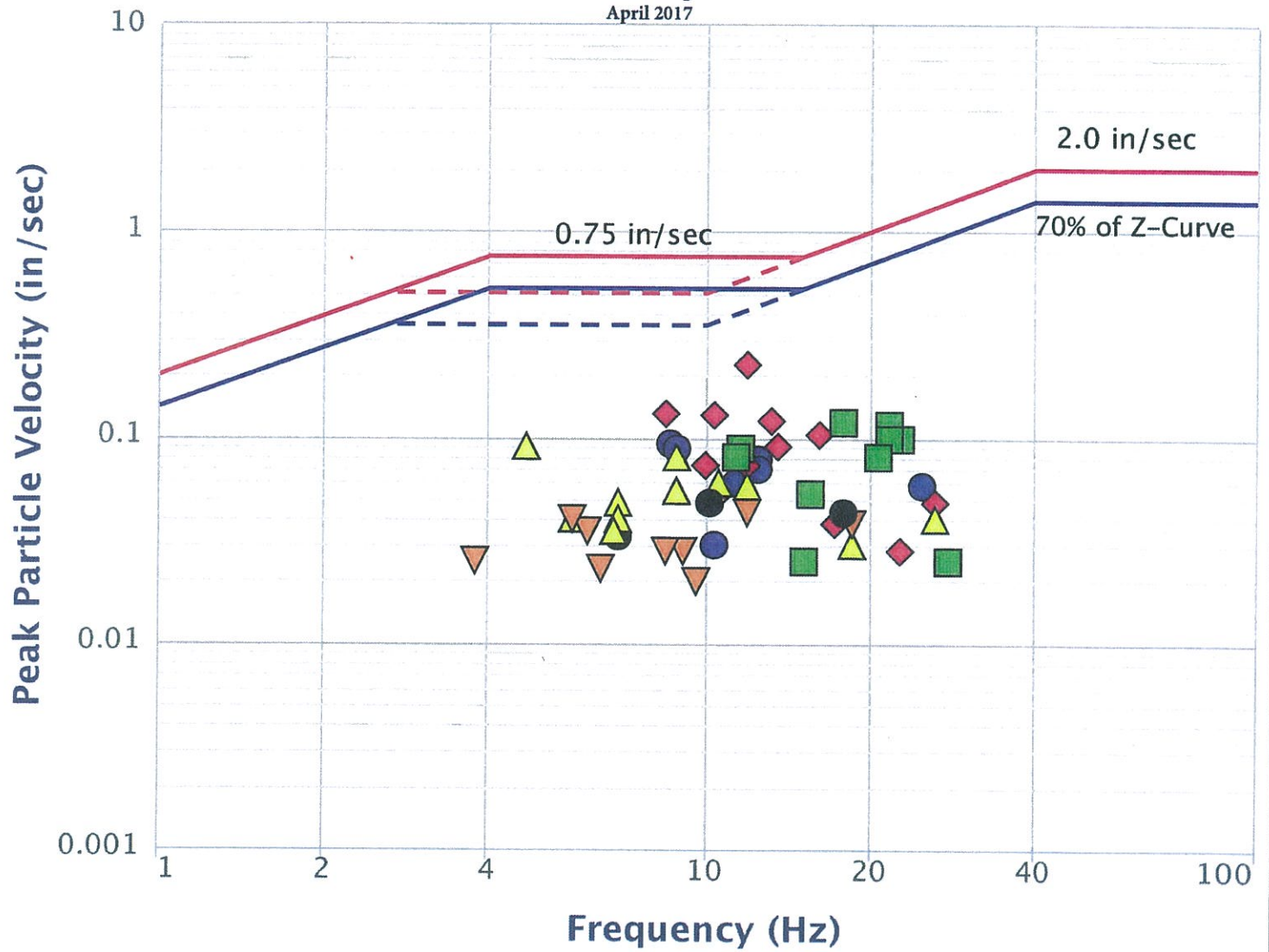


Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 April 2017



Michels Residence Warden Residence Warden Property Line Cohen Residence
 City Property Line Holly Residence

Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
April 2017



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

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2017**

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
04/04/17	04-04-17 4A	N 29° 39' 05.0" W 098° 17' 39.4"	CLEAR 89° SE 15	14:10	0.023	6.4	103.0	567	629.00	4,481	City Property Line
04/04/17	04-04-17 4A	N 29° 39' 05.0" W 098° 17' 39.4"	CLEAR 89° SE 15	14:10	0.048	6.9	106.0	567	629.00	5,130	Cohen - 10041 Trophy Oaks
04/04/17	04-04-17 4A	N 29° 39' 05.0" W 098° 17' 39.4"	CLEAR 89° SE 15	14:10	0.093	806.0	101.0	567	629.00	3,763	Michels - 9118 Tuscan Hills
04/04/17	04-04-17 4A	N 29° 39' 05.0" W 098° 17' 39.4"	CLEAR 89° SE 15	14:10	0.073	10.0	105.0	567	629.00	4,256	Warden - 21375 Gunther Grove
04/04/17	04-04-17 4A	N 29° 39' 05.0" W 098° 17' 39.4"	CLEAR 89° SE 15	14:10	0.053	15.6	106.0	567	629.00	4,054	Warden Property Line
04/05/17	04-05-17 Lower 6	N 29° 38' 53.4" W 098° 17' 04.7"	CLEAR 65° NW 17	11:42	0.020	9.6	111.0	928	552.00	5,344	City Property Line
04/05/17	04-05-17 Lower 6	N 29° 38' 53.4" W 098° 17' 04.7"	CLEAR 65° NW 17	11:42	0.058	11.9	115.0	928	552.00	4,855	Cohen - 10041 Trophy Oaks
04/05/17	04-05-17 Lower 6	N 29° 38' 53.4" W 098° 17' 04.7"	CLEAR 65° NW 17	11:42	0.030	10.4	115.0	928	552.00	6,582	Michels - 9118 Tuscan Hills
04/05/17	04-05-17 Lower 6	N 29° 38' 53.4" W 098° 17' 04.7"	CLEAR 65° NW 17	11:42	0.120	13.2	115.0	928	552.00	4,377	Warden - 21375 Gunther Grove
04/05/17	04-05-17 Lower 6	N 29° 38' 53.4" W 098° 17' 04.7"	CLEAR 65° NW 17	11:42	0.088	11.6	115.0	928	552.00	4,172	Warden Property Line
04/06/17	04-06-17 Bench 5	N 29° 39' 05.8" W 098° 17' 16.0"	CLEAR 65° NW 17	13:38	NT	NT	NT	640	497.00	5,506	City Property Line
04/06/17	04-06-17 Bench 5	N 29° 39' 05.8" W 098° 17' 16.0"	CLEAR 65° NW 17	13:38	0.030	18.5	108.0	640	497.00	5,518	Cohen - 10041 Trophy Oaks
04/06/17	04-06-17 Bench 5	N 29° 39' 05.8" W 098° 17' 16.0"	CLEAR 65° NW 17	13:38	NT	NT	NT	640	497.00	5,758	Michels - 9118 Tuscan Hills
04/06/17	04-06-17 Bench 5	N 29° 39' 05.8" W 098° 17' 16.0"	CLEAR 65° NW 17	13:38	0.048	26.3	110.0	640	497.00	4,825	Warden - 21375 Gunther Grove
04/06/17	04-06-17 Bench 5	N 29° 39' 05.8" W 098° 17' 16.0"	CLEAR 65° NW 17	13:38	0.025	27.8	110.0	640	497.00	4,604	Warden Property Line

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2017**

DATE	SHOT # LOCATION	SHOT LOCATION GPS READING	WEATHER	TIME	PPV (in/sec)	FREQ (Hz)	AIR (dB)	SHOT DURATION (MS)	MAX LBS/ DELAY	DISTANCE FROM BLAST	SEISMOGRAPH LOCATION
04/07/17	04-07-17 3C	N 29° 38' 42.2" W 098° 17' 39.7"	CLEAR 65° NW 17	12:11	0.038	18.5	101.0	840	500.00	2,348	City Property Line
04/07/17	04-07-17 3C	N 29° 38' 42.2" W 098° 17' 39.7"	CLEAR 65° NW 17	12:11	0.080	8.9	102.0	840	500.00	2,826	Cohen - 10041 Trophy Oaks
04/07/17	04-07-17 3C	N 29° 38' 42.2" W 098° 17' 39.7"	CLEAR 65° NW 17	12:11	0.088	8.9	102.0	840	500.00	3,636	Michels - 9118 Tuscan Hills
04/07/17	04-07-17 3C	N 29° 38' 42.2" W 098° 17' 39.7"	CLEAR 65° NW 17	12:11	0.225	11.9	103.0	840	500.00	1,946	Warden - 21375 Gunther Grove
04/07/17	04-07-17 3C	N 29° 38' 42.2" W 098° 17' 39.7"	CLEAR 65° NW 17	12:11	0.115	21.7	104.0	840	500.00	1,744	Warden Property Line
04/10/17	04-10-17 S Wall D	N 29° 38' 11.0" W 098° 16' 48.7"	CLOUDY 80° SE 11	12:36	0.025	3.8	102.0	740	1070.00	5,868	City Property Line
04/10/17	04-10-17 S Wall D	N 29° 38' 11.0" W 098° 16' 48.7"	CLOUDY 80° SE 11	12:36	0.090	4.7	108.0	740	1070.00	4,248	Cohen - 10041 Trophy Oaks
04/10/17	04-10-17 S Wall D	N 29° 38' 11.0" W 098° 16' 48.7"	CLOUDY 80° SE 11	12:36	0.048	10.2	112.0	740	1070.00	3,310	Holly - 9916 Trophy Oaks
04/10/17	04-10-17 S Wall D	N 29° 38' 11.0" W 098° 16' 48.7"	CLOUDY 80° SE 11	12:36	NT	NT	NT	740	1070.00	9,006	Michels - 9118 Tuscan Hills
04/10/17	04-10-17 S Wall D	N 29° 38' 11.0" W 098° 16' 48.7"	CLOUDY 80° SE 11	12:36	0.053	10.6	110.0	740	1070.00	4,679	Warden - 21375 Gunther Grove
04/13/17	04-13-17 4A	N 29° 39' 02.8" W 098° 17' 41.1"	CLOUDY 84° SE 12	11:26	0.028	9.1	106.0	524	632.00	4,226	City Property Line
04/13/17	04-13-17 4A	N 29° 39' 02.8" W 098° 17' 41.1"	CLOUDY 84° SE 12	11:26	0.040	6.9	107.0	524	632.00	4,916	Cohen - 10041 Trophy Oaks
04/13/17	04-13-17 4A	N 29° 39' 02.8" W 098° 17' 41.1"	CLOUDY 84° SE 12	11:26	0.078	12.5	102.0	524	632.00	3,548	Michels - 9118 Tuscan Hills
04/13/17	04-13-17 4A	N 29° 39' 02.8" W 098° 17' 41.1"	CLOUDY 84° SE 12	11:26	0.073	11.9	110.0	524	632.00	4,034	Warden - 21375 Gunther Grove
04/13/17	04-13-17 4A	N 29° 39' 02.8" W 098° 17' 41.1"	CLOUDY 84° SE 12	11:26	0.098	22.7	110.0	524	632.00	3,835	Warden Property Line

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**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2017**

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
04/17/17	04-17-17 3D	N 29° 38' 45.7" W 098° 17' 40.5"	CLOUDY 76° E 1	13:30	0.035	6.1	103.0	950	919.00	2,622	City Property Line
04/17/17	04-17-17 3D	N 29° 38' 45.7" W 098° 17' 40.5"	CLOUDY 76° E 1	13:30	0.035	6.8	104.0	950	919.00	3,186	Cohen - 10041 Trophy Oaks
04/17/17	04-17-17 3D	N 29° 38' 45.7" W 098° 17' 40.5"	CLOUDY 76° E 1	13:30	0.033	6.9	106.0	950	919.00	3,487	Michels - 9118 Tuscan Hills
04/17/17	04-17-17 3D	N 29° 38' 45.7" W 098° 17' 40.5"	CLOUDY 76° E 1	13:30	0.128	10.4	110.0	950	919.00	2,301	Warden - 21375 Gunther Grove
04/17/17	04-17-17 3D	N 29° 38' 45.7" W 098° 17' 40.5"	CLOUDY 76° E 1	13:30	0.080	11.4	110.0	950	919.00	2,102	Warden Property Line
04/20/17	04-20-17 S Wall C	N 29° 38' 10.6" W 098° 16' 47.4"	CLOUDY 85° S 6	11:35	NT	NT	NT	540	843.00	5,989	City Property Line
04/20/17	04-20-17 S Wall C	N 29° 38' 10.6" W 098° 16' 47.4"	CLOUDY 85° S 6	11:35	0.040	5.7	111.0	540	843.00	4,366	Cohen - 10041 Trophy Oaks
04/20/17	04-20-17 S Wall C	N 29° 38' 10.6" W 098° 16' 47.4"	CLOUDY 85° S 6	11:35	0.043	17.9	116.0	540	843.00	3,429	Holly - 9916 Trophy Oaks
04/20/17	04-20-17 S Wall C	N 29° 38' 10.6" W 098° 16' 47.4"	CLOUDY 85° S 6	11:35	NT	NT	NT	540	843.00	9,126	Michels - 9118 Tuscan Hills
04/20/17	04-20-17 S Wall C	N 29° 38' 10.6" W 098° 16' 47.4"	CLOUDY 85° S 6	11:35	0.038	17.2	112.0	540	843.00	4,800	Warden - 21375 Gunther Grove
04/21/17	04-21-17 Bench 5	N 29° 39' 6.6" W 098° 17' 16.3"	CLOUDY 80° S 14	11:28	NT	NT	NT	467	410.00	5,555	City Property Line
04/21/17	04-21-17 Bench 5	N 29° 39' 6.6" W 098° 17' 16.3"	CLOUDY 80° S 14	11:28	0.040	26.3	101.0	467	410.00	5,586	Cohen - 10041 Trophy Oaks
04/21/17	04-21-17 Bench 5	N 29° 39' 6.6" W 098° 17' 16.3"	CLOUDY 80° S 14	11:28	NT	NT	NT	467	410.00	5,752	Michels - 9118 Tuscan Hills
04/21/17	04-21-17 Bench 5	N 29° 39' 6.6" W 098° 17' 16.3"	CLOUDY 80° S 14	11:28	0.028	22.7	104.0	467	410.00	4,887	Warden - 21375 Gunther Grove
04/21/17	04-21-17 Bench 5	N 29° 39' 6.6" W 098° 17' 16.3"	CLOUDY 80° S 14	11:28	0.025	15.2	103.0	467	410.00	4,666	Warden Property Line

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

**GARDEN RIDGE QUARRY COMMISSION
HANSON - SERVTEX QUARRY
GARDEN RIDGE, TEXAS
APRIL 2017**

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
04/24/17	04-24-17 3E	N 29° 38 50.1" W 098° 17' 40.2"	CLEAR 80° S 7	16:08	0.040	5.7	101.0	889	895.00	3,036	City Property Line
04/24/17	04-24-17 3E	N 29° 38 50.1" W 098° 17' 40.2"	CLEAR 80° S 7	16:08	0.060	10.6	102.0	889	895.00	3,627	Cohen - 10041 Trophy Oaks
04/24/17	04-24-17 3E	N 29° 38 50.1" W 098° 17' 40.2"	CLEAR 80° S 7	16:08	0.060	25.0	102.0	889	895.00	3,549	Michels - 9118 Tuscan Hills
04/24/17	04-24-17 3E	N 29° 38 50.1" W 098° 17' 40.2"	CLEAR 80° S 7	16:08	0.130	8.5	106.0	889	895.00	2,746	Warden - 21375 Gunther Grove
04/24/17	04-24-17 3E	N 29° 38 50.1" W 098° 17' 40.2"	CLEAR 80° S 7	16:08	0.118	17.9	105.0	889	895.00	2,546	Warden Property Line
04/26/17	04-26-17 3F	N 29° 38 54.7" W 098° 17' 40.7"	CLEAR 82° S 10	11:15	0.028	8.5	104.0	652	959.00	3,454	City Property Line
04/26/17	04-26-17 3F	N 29° 38 54.7" W 098° 17' 40.7"	CLEAR 82° S 10	11:15	*	*	*	652	959.00	4,095	Cohen - 10041 Trophy Oaks
04/26/17	04-26-17 3F	N 29° 38 54.7" W 098° 17' 40.7"	CLEAR 82° S 10	11:15	0.058	25.0	103.0	652	959.00	3,421	Michels - 9118 Tuscan Hills
04/26/17	04-26-17 3F	N 29° 38 54.7" W 098° 17' 40.7"	CLEAR 82° S 10	11:15	0.103	16.1	110.0	652	959.00	3,213	Warden - 21375 Gunther Grove
04/26/17	04-26-17 3F	N 29° 38 54.7" W 098° 17' 40.7"	CLEAR 82° S 10	11:15	0.098	21.7	111.0	652	959.00	3,013	Warden Property Line
04/28/17	04-28-17 3G	N 29° 38 57.9" W 098° 17' 40.7"	CLOUDY 80° SE 10	13:55	0.043	11.9	104.0	779	951.00	3,760	City Property Line
04/28/17	04-28-17 3G	N 29° 38 57.9" W 098° 17' 40.7"	CLOUDY 80° SE 10	13:55	0.055	8.9	104.0	779	951.00	4,419	Cohen - 10041 Trophy Oaks
04/28/17	04-28-17 3G	N 29° 38 57.9" W 098° 17' 40.7"	CLOUDY 80° SE 10	13:55	0.070	12.5	110.0	779	951.00	3,462	Michels - 9118 Tuscan Hills
04/28/17	04-28-17 3G	N 29° 38 57.9" W 098° 17' 40.7"	CLOUDY 80° SE 10	13:55	0.090	13.5	107.0	779	951.00	3,537	Warden - 21375 Gunther Grove
04/28/17	04-28-17 3G	N 29° 38 57.9" W 098° 17' 40.7"	CLOUDY 80° SE 10	13:55	0.080	20.8	106.0	779	951.00	3,337	Warden Property Line

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

* = Instrument Unavailable

#	Month	Blast Date	Blast time	Date Received	Name	Address	Phone #	Rating	# stories	sq footage	request contact	Misc	Date sent to Quarry Commission
2017-5Q	February	2/21/2017	1pm	4/12/2017	Jo Ana Kessler	19960 FM 2252	210-651-5023	10	1	2400		Huge	4/21/2017
2017-6Q	March	3/13/2017	12:45 PM	4/12/2017	Jo Ana Kessler	19960 FM 2252	210-651-5023	5	1	2400		Sure blast will continue, but they have no feelings for what is happening to our home.	4/21/2017
2017-7Q	April	4/10/2017	12:33 PM	4/14/2017	Jo Ana Kessler	19960 FM 2252	210-651-5023	5	1	2400		Large-same as always	4/21/2017
2017-8Q	March	3/7/2017	12:00 PM	3/7/2017	Valinda Bacon	21260 Forest Waters Circle	210-422-2880	4	2	4400	Yes	In the last month, the blasts have been considerably more often and more intense. This one shook the cabinets and the dishes inside. Can you tell me the schedule for blasting and whose quarry blasts this far into Forest Waters?	5/4/2017

CITY OF GARDEN RIDGE

CITIZEN QUARRY BLAST IMPACT REPORT

Name: JO ANA KESSLER Report Date: 2/21/2017

Address: 19960 FM 2252 E-Mail Address: _____

Phone: 210-651-5023 Blast Date/Time: 2/21/2017 - 1 pm

Please describe the event.

HUGE - HUGE - HUGE BLAST AND
SHAKING OF OUR HOME.
WINDOWS - FURNITURE - ETC

How did this blast compare to other blasts?

HUGE REALLY
LONG AND LONG

On a 1 to 5 scale, please rate the blast intensity. (1= minor, 5= major) 10

What was your activity at the time of the blast? HOUSE WORK

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

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

What is the approximate square footage of your home? 2400

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

(Yes or No) _____

I'M SURE THEY WILL IGNORE
AS IN THE PAST - MANY REPORTS

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 each month at 7:00 PM in the Municipal Courtroom.

BLAST CONTINUE NO MATTER HOW MUCH

Please complete the form and print it, then submit the completed report(s) to the City Hall or to quarrycom@ci.garden-ridge.tx.us. Thank you for submitting the form.

APR 12 2017

2017 - 5Q.

810
4211
ac

CITY OF GARDEN RIDGE

CITIZEN QUARRY BLAST IMPACT REPORT

Name: Jo Anna Kessler Report Date: 3/13/17

Address: 19960 FM 2252 E-Mail Address: _____

Phone: 210-421-3586 Blast Date/Time: 12:45 / _____

Please describe the event.

BLAST HEARD AND FELT - CHAIR
MOVED

How did this blast compare to other blasts? SAME

WE ARE SURE THE BLASTS WILL CONTINUE
THEY HAVE NO FEELINGS FOR WHAT IS
HAPPENING TO OUR HOME.

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

What was your activity at the time of the blast? PAPER WORK

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

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

What is the approximate square footage of your home? 2400

Would you like a Quarry Commission member to contact you regarding your report?
(Yes or 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 each month at 7:00 PM in the Municipal Courtroom.

RECEIVED

Please complete the form and print it, then submit the completed report(s) to the City Hall or to quarrycom@ci.garden-ridge.tx.us. Thank you for submitting the form.

APR 12 2017

PER

[Signature]

2017-1619

4-21-17
OC

CITY OF GARDEN RIDGE

CITIZEN QUARRY BLAST IMPACT REPORT

Name: JO ANA KESSLER Report Date: 4/10/17

Address: 19960 FM 2252 E-Mail Address: _____

Phone: 210-651-5023 Blast Date/Time: 4/10/17 - / 12:33 pm

Please describe the event.

LARGE BLAST - HOUSE SHAKING
AND WINDOWS RATTLED - ETC.

How did this blast compare to other blasts? LARGE - SAME
AS ALWAYS - I'M SURE THIS REPORT
WILL NOT CHANGE THE BLAST SINCE
THE REPORT WE MADE BEFORE HAS DONE NOTHING

TO HELP.

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

What was your activity at the time of the blast? PAPER WORK

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

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

What is the approximate square footage of your home? 2400

Would you like a Quarry Commission member to contact you regarding your report?
(Yes or 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 each month at 7:00 PM in the Municipal Courtroom.

Please complete the form and print it, then submit the completed report(s) to the City Hall or to quarrycom@ci.garden-ridge.tx.us. Thank you for submitting the form.

APR 12 2017

2017-70

PER JO

4-21-17
OC

City Secretary

From: City Secretary
Sent: Tuesday, March 07, 2017 12:29 PM
To: City Secretary
Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report

From: noreply@civicplus.com [<mailto:noreply@civicplus.com>]
Sent: Tuesday, March 07, 2017 12:04 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	Valinda
Last Name	Bacon
Report Date	3/7/2017
Phone Number:	210.422.2880
E-Mail Address	valindam@sbcglobal.net
Address1	21260 Forest Waters Circle
Blast Date/Time:	3/7/17/Noon
Please describe the event.	In the last month, the blasts have been considerably more often and more intense. This one shook the cabinets and the dishes inside. Can you tell me the schedule for blasting and whose quarry blasts this far into Forest Waters?
How did this blast compare to other blasts?	Intense and 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?	Sitting
In what general direction does you house face? (N,E,S or W)	S

What is the approximate square footage of your home? 4400

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

Would you like a Quarry Commission member 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.

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