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, December 14, 2015 at 7:00 P.M.

The Garden Ridge City Quarry Commission will meet in regular session on Monday, December 14, 2015 at 7:00 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 December 11, 2015 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.

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1. Call to Order :

2. Roll Call:

3. Approval of Minutes:

   a) October 12, 2015 Regular Quarry Commission Meeting
   b) November 16, 2015 Special Quarry Commission Meeting

4. Citizens Comments: Please use signup sheet

   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 Vibratech. 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 Vibratech and notification to residents of monitor placements.

   d. Discuss Grapevine article topics and future author/s of articles.

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

7. Training Session (30 minute limit):
   a. Structural responses from blasting at the Quarry

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 11:30 am on December 10, 2015 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, OCTOBER 12, 2015

Members Present:
Chairman Mike Shands
Vice Chairman Wayne Mudge
Commissioner Johnell Holly
Commissioner Jim Morgan
Ex-Officio Member Councilmember Bryan Lantzy

Member Absent:
Commissioner Jerry Barucky
Commissioner Richard Holloway
Commissioner Albert Haddah

City Staff Present:
Nancy Cain, City Administrator
Shelley Goodwin, City Secretary

1. Call to Order

With a quorum of the Quarry Commission Members present, Chairman Shands called the regular meeting of the Garden Ridge Quarry Commission to order at 7:00 p.m. on Tuesday, October 12, 2015 in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Approval of Minutes:

a) September 14, 2015 Regular Quarry Commission meeting

Motion: Upon motion made by Commissioner Holly and seconded by Commissioner Morgan to approve September 14, 2015 Quarry Commission Meeting Minutes, with corrections. The Quarry Commission voted four (4) for, none (0) opposed. The motion carried unanimously.

3. Citizens Comments:

Daniel Post, 22016 Deer Canyon Dr., stated he provided a letter at Hanson regarding the damage he feels the blasting at the Quarry has done to his home (see attached letter). He stated he has a

4x8 foot crack, window seal damage, ceiling damage and now air conditioning damage. He showed the Quarry Commission a picture that fell off the wall and broke during a blast. He encouraged the Quarry Commission to have Hanson Aggregate meet with him regarding the compensation for his damages from blasting.

Vivian Midla, 8724 Verano Drive, stated she felt the blast that occurred on September 30, 2015. She stated she would like to review that blast.

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 Vibratech. Discussion with Hanson Servtex and Blasting contractors, on recent quarry operations, including any unusual blasts that occurred during reported month and/or current month.**

Geoffrey Rigsby of Vibra-Tech presented and discussed the September blast analysis. He stated that 12 blasts occurred during the month of September and none of the blast exceeded the limits of Ordinance 34. The highest ppv readings occurred on September 24, 2015 in Bench 3A, with .250 ppv recorded at the Warden residence. The strongest air blast occurring on September 25, 2015 with an overpressure of 119.4 recorded at the Warden residence and at the Warden property line. He also discussed the timing and shots.

Barbara Post, 22016 Deer Canyon Dr., asked for clarification on the graphics that were presented in the Vibra-Tech report.

Geoffrey Rigsby of Vibra-Tech explained the graphics and the terms used in the blast analysis.

Elliott Giles of Orica explained that the design was different on the blast on September 30, 2015 since it was done in a different area of the Quarry.

Geoffrey Rigsby of Vibra-Tech explained the four different methods of blasting.

The Quarry Commission discussed the blasts in the different pits, shot duration of the different shots and the wave point formations per shot. They also reviewed the design of the blast for September 30, 2015.

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.**

Mike Shands, Quarry Commission Chair, stated no blast reports were filed by individuals.

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

Wayne Mudge, Quarry Commission Vice-Chair, stated he contacted Mr. Kilbourn, on Wahl Lane, and he would be interested in placing a monitor at his home at a later date.

Daniel Post, 22016 Deer Canyon Dr., stated the monitoring of blasts are being conducted from the ground and not higher up. He feels this monitoring is not a true reflection of what occurs when a home is two-story.

d. Discussion regarding Quarry Commission meeting on a monthly basis compared to quarterly meeting

Mike Shands, Quarry Commission Chair, stated the City Council approved the request to change the Regular Meetings to every other month, so the next Regular Meeting will be December 14, 2015.

e. Discuss Grapevine article topics and future author/s of articles.

The Quarry Commission discussed the article and the size of the article for the Grapevine.

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

No one wished to speak.

6. **Training Session (30 minute limit):**

a. Automatic Monitors and Locations of blasting.

Geoffrey Rigsby of Vibra-Tech explained and discussed with the Quarry Commission the Automatic Monitors and Locations of blasting at the Quarry. They also discussed the topic for the next Training Session should be on Structural Responses from the blasting at the Quarry.

7. **Adjournment**

There being no further business, the Tuesday, October 12, 2015 Garden Ridge Quarry Commission regular meeting was adjourned at 8:26 p.m. by Chairman Shands.

_____
Mike Shands
Chairman

ATTEST

_____
Shelley Goodwin
City Secretary

SIGN IN TO SPEAK AT THE OCTOBER 12, 2015 QUARRY COMMISSION REGULAR MEETING

Rules for Citizen's Participation:

The Quarry Commission welcomes citizen participation and comments at all of their Meetings. As a courtesy to your fellow citizens and out of respect to our appointed/elected officials, we must request that if you wish to speak, that you 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 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.	Daniel Past	22016 Deer Cyn Dr, GR	Blasting
2.	Midla		9-30 Blast
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Daniel J. Post
22016 Deer Canyon Drive
Garden Ridge, Texas 78266

October 8, 2015

Hanson Aggregates Quarry
21303 FM 2252
San Antonio, TX 78266

RE: Blasting Damage

On September 30, 2015 at 1:53 p.m. I telephoned your Quarry Offices (telephone number: 210.658.7461). Your representative answered the telephone and advised that "everyone" was out-of-town in Houston and would return later that day. She advised that she would take a message and that someone would respond as soon as possible and within a day.

The message that I left was that our home has sustained damage as the result of blasting operations at your Quarry. Damages were previously identified in a document filed with the City of Garden Ridge Quarry Commission. In addition to the damages identified in that document we have sustained additional damages of broken window seals and unsettling of certain of our HVAC system to the point that the system leaked and caused major damage to our ceiling and back patio (including 2 doors).

As of today, October 8, 2015 (more than a week after my call to your offices) I have not received a call back or any interest expressed in our claim against your Quarry. This will serve to notify you of the damages to our property and our claim for compensation from your company.

We ask that on or before October 12, 2015 you arrange to visit our property and view the damages. Upon viewing the damages, we ask that your company compensate us for the losses sustained as a result of your blasting operations and settle the matter in a timely fashion and on or before October 31, 2015.

Sincerely,

Barbara A. Post &

Barbara and Daniel Post

CC: City of Garden Ridge, Quarry Commission.

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

MINUTES OF QUARRY COMMISSION SPECIAL MEETING
NOVEMBER 16, 2015

Members Present:
Chairman Mike Shands
Vice Chairman Wayne Mudge
Commissioner Jerry Barucky
Commissioner Albert Haddad
Commissioner Johnell Holly
Commissioner Richard Holloway
Commissioner Jim Morgan
Ex-Officio Member Councilmember Bryan Lantzy

Member Absent:
None

City Staff Present:
Nancy Cain, City Administrator
Shelley Goodwin, City Secretary

1. Call to Order

With a quorum of the Quarry Commission Members present, Chairman Shands called the special meeting of the Garden Ridge Quarry Commission to order at 6:00 p.m. on Monday, November 16, 2015 in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Executive Session

The Quarry Commission will recess its open session and reconvene in executive session to deliberate and seek the advice of legal counsel in connection with settlement negotiations related to enforcement disputes between the Hanson Quarry and the City regarding the application and enforcement of Ordinance 34 in accordance with Texas Government Code 551.071.

Mike Shands, Chair announced the Quarry Commission will recess into Executive Session at 6:05pm, in accordance with Section Code 552.071, to consult with legal counsel.

Mike Shands, Chair adjourned the Executive Session at 9:10pm and the Quarry Commission reconvened back into the regular session.

3. **Business Items (continued)**

The Quarry Commission will reconvene into open session upon conclusion of the Executive Session, in accordance with the Texas Open Meetings Act.

The Quarry Commission reconvened into Regular Session upon conclusion of the Executive Session.

Mike Shands, Chair stated the Quarry Commission received advice from legal counsel during the Executive Session and there was no additional action to be taken.

4. **Adjournment**

There being no further business, the Monday, November 16, 2015 Garden Ridge Quarry Commission regular meeting was adjourned at 9:11 p.m. by Chair Shands.

_____
Mike Shands
Quarry Commission Chair

ATTEST

_____
Shelley Goodwin
City Secretary

Vibra-Tech

December 7, 2015

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

Phone 512.442.6464
Fax 512.442.6552

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

Dear Mr. Shands,

Enclosed is the analysis for the blasting conducted during the month of October 2015 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2015 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 [redacted] or attend the Quarry Commission meeting held the 2nd Monday of each month at 7:00 p.m.

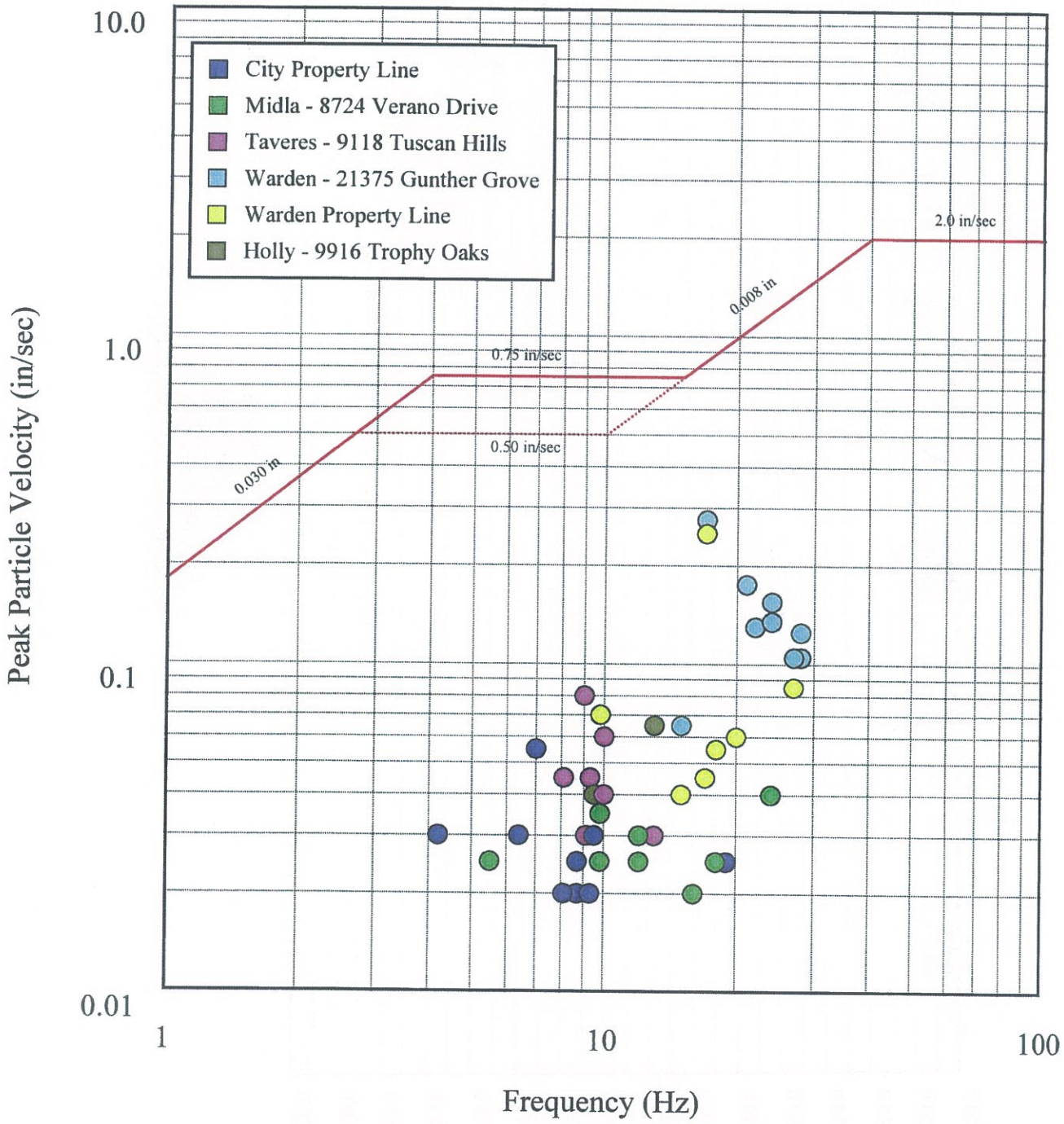
Respectfully submitted,

VIBRA-TECH, INC.

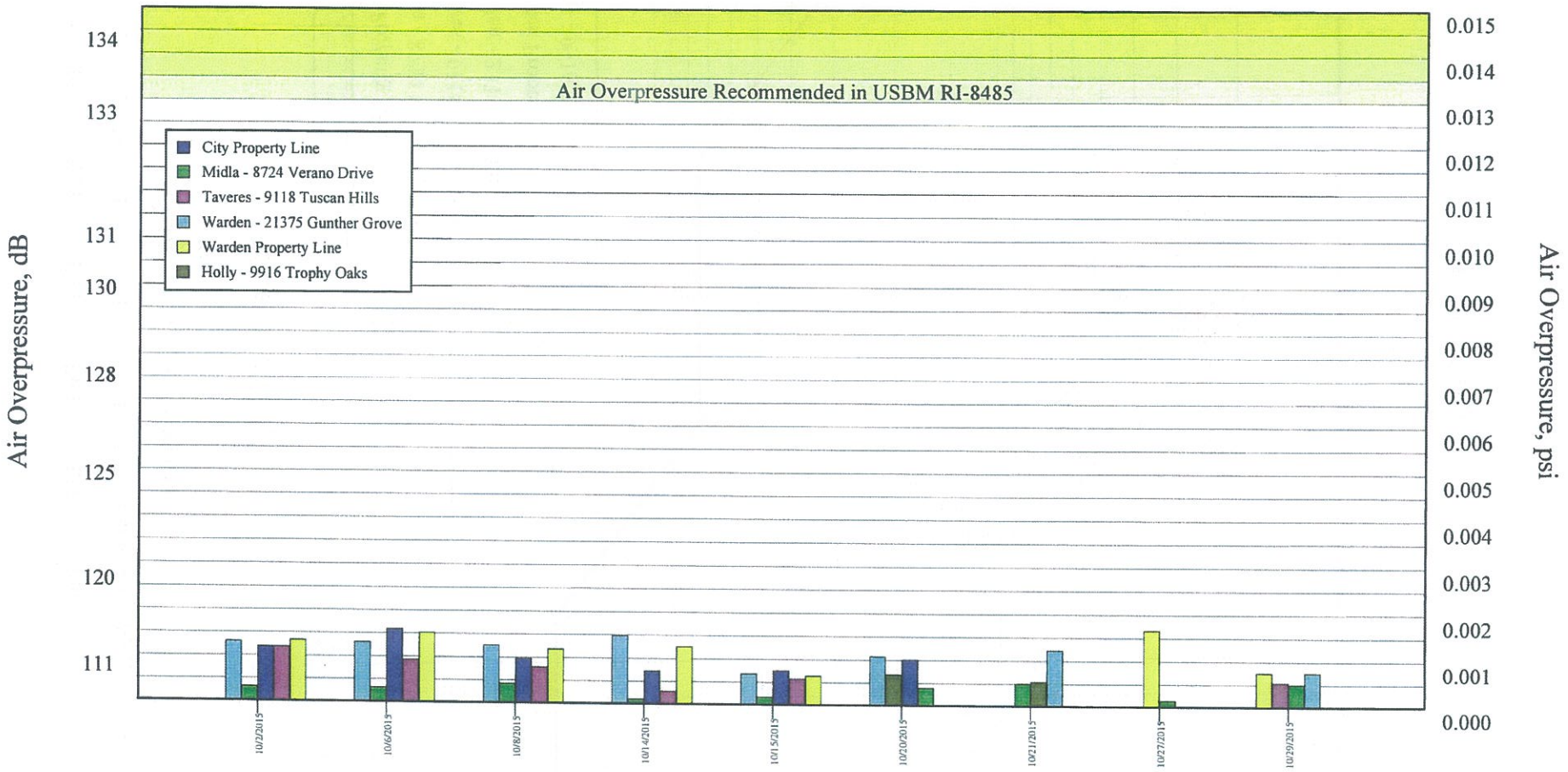
Geoffrey Rigsby
Southwest Regional Manager

cc: Jacob Scherer, Hanson – Servtex

Comparison of Measured Blast Vibrations to Current U.S. Bureau of Mines Recommendations
Quarry Commission
Garden Ridge
October 2015



Air Overpressure Levels from
Quarry Commission
Garden Ridge
October 2015



10-27-15 5B
10-02-15 5B
10-06-15 7A
10-08-15 7B
10-29-15 3D
10-14-15 3B
Taveres
Warden
Warden Property Line
City Property Line
Holly
10-21-15 South Wall A
10-20-15 South Wall B
3009
Garden Ridge
Google earth
3000 ft
N

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF OCTOBER 2015

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
10/02/15	10-02-15 5B	N 29° 39' 01" W 098° 17' 17.5"	PT CLOUDY 89° NE 4	15:10	0.020	8.7	112.3	1240	754.00	5,093	City Property Line
10/02/15	10-02-15 5B	N 29° 39' 01" W 098° 17' 17.5"	PT CLOUDY 89° NE 4	15:10	0.035	9.8	101.0	1240	754.00	8,589	Midla - 8724 Verano Drive
10/02/15	10-02-15 5B	N 29° 39' 01" W 098° 17' 17.5"	PT CLOUDY 89° NE 4	15:10	0.030	13.0	112.3	1240	754.00	5,576	Taveres - 9118 Tuscan Hills
10/02/15	10-02-15 5B	N 29° 39' 01" W 098° 17' 17.5"	PT CLOUDY 89° NE 4	15:10	0.155	24.0	113.1	1240	754.00	4,328	Warden - 21375 Gunther Grove
10/02/15	10-02-15 5B	N 29° 39' 01" W 098° 17' 17.5"	PT CLOUDY 89° NE 4	15:10	0.070	9.8	113.3	1240	754.00	4,149	Warden Property Line
10/06/15	10-06-15 7A	N 29° 38' 57" W 098° 17' 01"	CLEAR 82° E 6	12:35	0.020	9.3	114.8	944	806.00	5,841	City Property Line
10/06/15	10-06-15 7A	N 29° 38' 57" W 098° 17' 01"	CLEAR 82° E 6	12:35	0.025	9.8	101.0	944	806.00	9,873	Midla - 8724 Verano Drive
10/06/15	10-06-15 7A	N 29° 38' 57" W 098° 17' 01"	CLEAR 82° E 6	12:35	0.045	8.1	110.2	944	806.00	6,972	Taveres - 9118 Tuscan Hills
10/06/15	10-06-15 7A	N 29° 38' 57" W 098° 17' 01"	CLEAR 82° E 6	12:35	0.130	22.0	113.1	944	806.00	4,863	Warden - 21375 Gunther Grove
10/06/15	10-06-15 7A	N 29° 38' 57" W 098° 17' 01"	CLEAR 82° E 6	12:35	0.055	18.0	114.4	944	806.00	4,721	Warden Property Line
10/08/15	10-08-15 7B	N 29° 38' 54" W 098° 17' 02"	CLOUDY 77° SE 5	11:14	0.025	8.7	110.6	720	819.00	5,588	City Property Line
10/08/15	10-08-15 7B	N 29° 38' 54" W 098° 17' 02"	CLOUDY 77° SE 5	11:14	0.020	16.0	103.5	720	819.00	9,720	Midla - 8724 Verano Drive
10/08/15	10-08-15 7B	N 29° 38' 54" W 098° 17' 02"	CLOUDY 77° SE 5	11:14	0.030	9.1	108.8	720	819.00	6,869	Taveres - 9118 Tuscan Hills
10/08/15	10-08-15 7B	N 29° 38' 54" W 098° 17' 02"	CLOUDY 77° SE 5	11:14	0.125	28.0	112.8	720	819.00	4,588	Warden - 21375 Gunther Grove
10/08/15	10-08-15 7B	N 29° 38' 54" W 098° 17' 02"	CLOUDY 77° SE 5	11:14	0.045	17.0	112.3	720	819.00	4,452	Warden Property Line
10/14/15	10-14-15 3B	N 29° 38' 42" W 098° 17' 34"	CLEAR 84° E 3	12:19	0.055	7.0	108.0	1140	715.00	2,683	City Property Line

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

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF OCTOBER 2015

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
10/21/15	10-21-15 South Wall A	N 29° 38' 16" W 098° 16' 42"	CLOUDY 82° SE 7	11:10	0.025	12.0	104.9	765	1050.00	11,414	Midla - 8724 Verano Drive
10/21/15	10-21-15 South Wall A	N 29° 38' 16" W 098° 16' 42"	CLOUDY 82° SE 7	11:10	NT	NT	NT	765	1050.00	9,324	Taveres - 9118 Tuscan Hills
10/21/15	10-21-15 South Wall A	N 29° 38' 16" W 098° 16' 42"	CLOUDY 82° SE 7	11:10	0.065	15.0	112.6	765	1050.00	5,155	Warden - 21375 Gunther Grove
10/27/15	10-27-15 5B	N 29° 39' 02" W 098° 17' 18"	CLEAR 76° W 6	12:30	0.025	19.0	110.9	976	750.00	5,147	City Property Line
10/27/15	10-27-15 5B	N 29° 39' 02" W 098° 17' 18"	CLEAR 76° W 6	12:30	0.025	18.0	94.0	976	750.00	8,580	Midla - 8724 Verano Drive
10/27/15	10-27-15 5B	N 29° 39' 02" W 098° 17' 18"	CLEAR 76° W 6	12:30	0.040	10.0	106.5	976	750.00	5,551	Taveres - 9118 Tuscan Hills
10/27/15	10-27-15 5B	N 29° 39' 02" W 098° 17' 18"	CLEAR 76° W 6	12:30	0.175	21.0	118.5	976	750.00	4,399	Warden - 21375 Gunther Grove
10/27/15	10-27-15 5B	N 29° 39' 02" W 098° 17' 18"	CLEAR 76° W 6	12:30	0.060	20.0	115.2	976	750.00	4,218	Warden Property Line
10/29/15	10-29-15 3D	N 29° 38' 53" W 098° 17' 36"	CLOUDY 72° SE 10	12:27	0.030	9.5	106.5	1410	897.00	3,536	City Property Line
10/29/15	10-29-15 3D	N 29° 38' 53" W 098° 17' 36"	CLOUDY 72° SE 10	12:27	0.040	24.0	104.9	1410	897.00	6,792	Midla - 8724 Verano Drive
10/29/15	10-29-15 3D	N 29° 38' 53" W 098° 17' 36"	CLOUDY 72° SE 10	12:27	0.060	10.0	105.5	1410	897.00	3,874	Taveres - 9118 Tuscan Hills
10/29/15	10-29-15 3D	N 29° 38' 53" W 098° 17' 36"	CLOUDY 72° SE 10	12:27	0.135	24.0	108.4	1410	897.00	3,059	Warden - 21375 Gunther Grove
10/29/15	10-29-15 3D	N 29° 38' 53" W 098° 17' 36"	CLOUDY 72° SE 10	12:27	0.085	27.0	108.4	1410	897.00	2,858	Warden Property Line

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

Vibra-Tech

December 7, 2015

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

Phone 512.442.6464
Fax 512.442.6552

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

Dear Mr. Shands,

Enclosed is the analysis for the blasting conducted during the month of November 2015 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2015 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 [redacted], or attend the Quarry Commission meeting held the 2nd Monday of each month at 7:00 p.m.

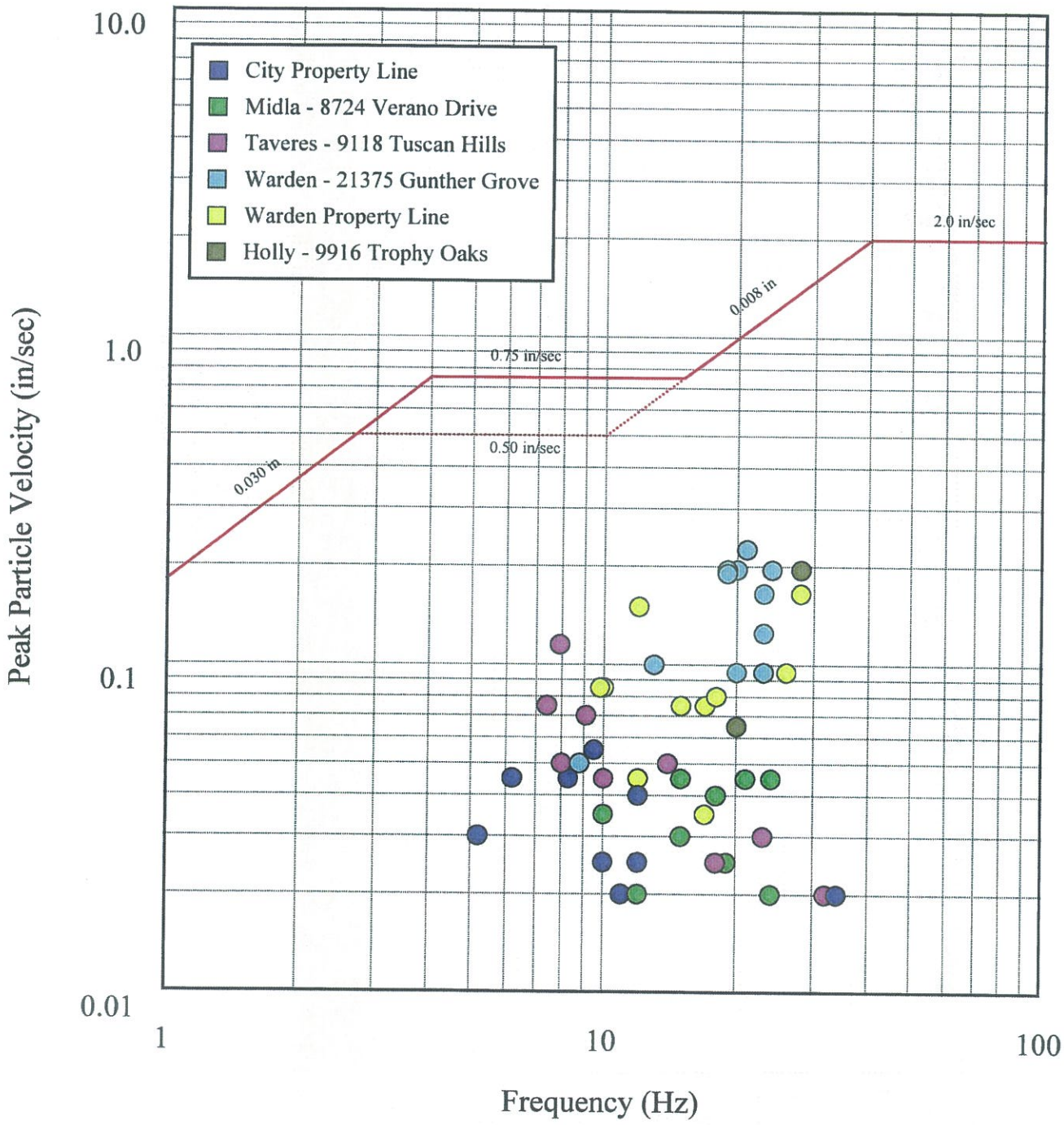
Respectfully submitted,

VIBRA-TECH, INC.

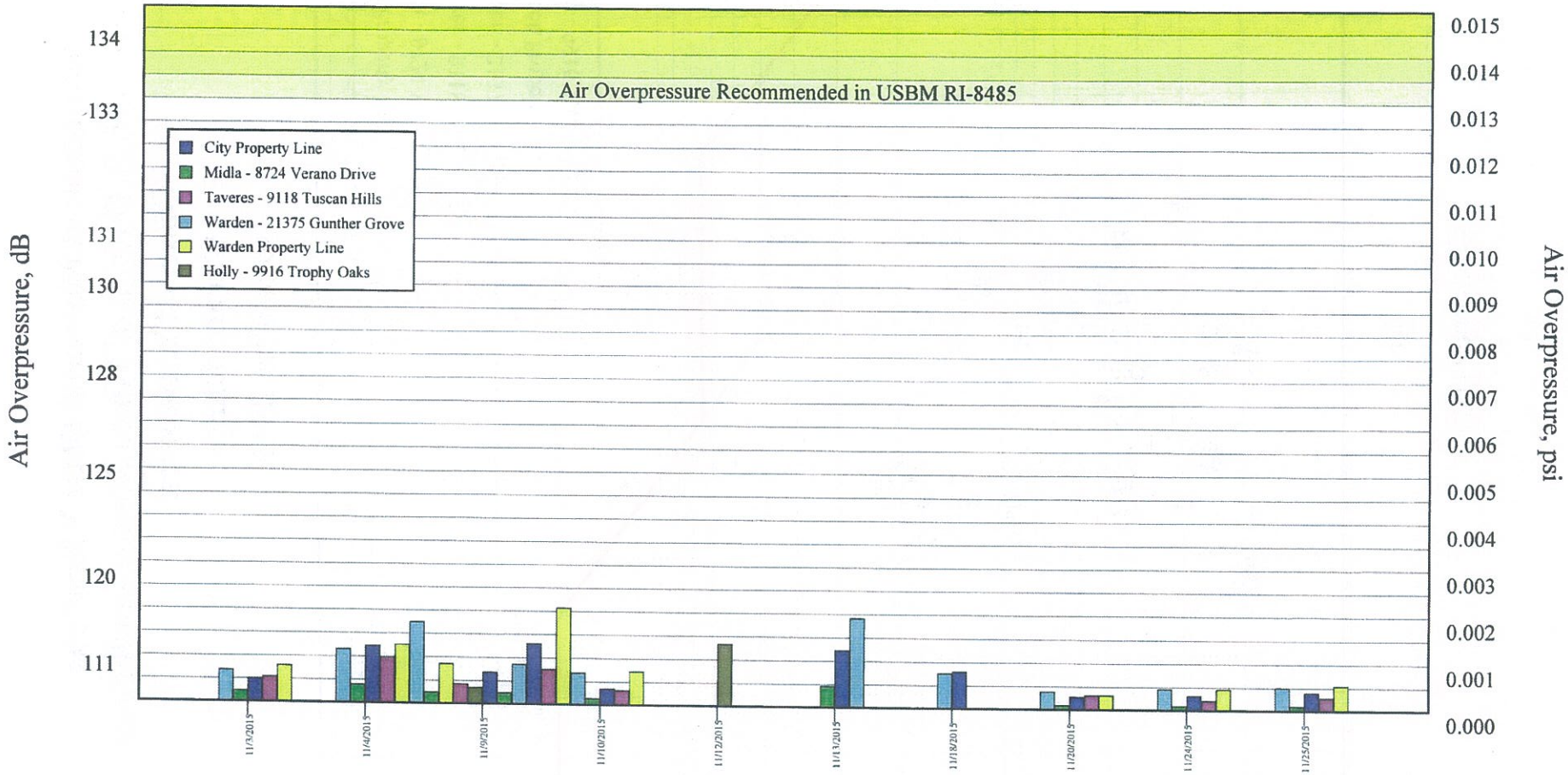
Geoffrey Rigsby
Southwest Regional Manager

cc: Jacob Scherer, Hanson – Servtex

Comparison of Measured Blast Vibrations
to Current U.S. Bureau of Mines Recommendations
Quarry Commission
Garden Ridge
November 2015



Air Overpressure Levels from
Quarry Commission
Garden Ridge
November 2015



11-03-15 5A
11-18-15 5A
11-04-15 7A
11-25-15 3D
11-20-15 3C
11-13-15 Lower 6
11-10-15 3B
11-21-15 Lower 3A
11-09-15 Upper 3A
Taveres
Midla
Warden Property Line
Warden
City Property Line
Holly
11-09-15 Base Pit
11-12-15 South Wall D
Garden Ridge
3009
Google earth
3000 ft
N

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF NOVEMBER 2015

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
11/03/15	11-03-15 5A	N 29° 39' 04.5" W 098° 17' 20"	PT CLOUDY 78° SE 9	13:19	0.020	11.0	104.9	1072	741.00	5,250	City Property Line
11/03/15	11-03-15 5A	N 29° 39' 04.5" W 098° 17' 20"	PT CLOUDY 78° SE 9	13:19	0.030	15.0	98.8	1072	741.00	8,503	Midla - 8724 Verano Drive
11/03/15	11-03-15 5A	N 29° 39' 04.5" W 098° 17' 20"	PT CLOUDY 78° SE 9	13:19	0.040	12.0	105.5	1072	741.00	5,431	Taveres - 9118 Tuscan Hills
11/03/15	11-03-15 5A	N 29° 39' 04.5" W 098° 17' 20"	PT CLOUDY 78° SE 9	13:19	0.095	20.0	107.5	1072	741.00	4,557	Warden - 21375 Gunther Grove
11/03/15	11-03-15 5A	N 29° 39' 04.5" W 098° 17' 20"	PT CLOUDY 78° SE 9	13:19	0.035	17.0	108.8	1072	741.00	4,371	Warden Property Line
11/04/15	11-04-15 7A	N 29° 38' 55" W 098° 17' 01"	CLOUDY 75° SE 9	16:03	0.020	11.0	112.6	1296	819.00	5,719	City Property Line
11/04/15	11-04-15 7A	N 29° 38' 55" W 098° 17' 01"	CLOUDY 75° SE 9	16:03	0.035	10.0	102.8	1296	819.00	9,828	Midla - 8724 Verano Drive
11/04/15	11-04-15 7A	N 29° 38' 55" W 098° 17' 01"	CLOUDY 75° SE 9	16:03	0.030	23.0	110.6	1296	819.00	6,960	Taveres - 9118 Tuscan Hills
11/04/15	11-04-15 7A	N 29° 38' 55" W 098° 17' 01"	CLOUDY 75° SE 9	16:03	0.165	23.0	112.0	1296	819.00	4,721	Warden - 21375 Gunther Grove
11/04/15	11-04-15 7A	N 29° 38' 55" W 098° 17' 01"	CLOUDY 75° SE 9	16:03	0.075	15.0	112.8	1296	819.00	4,585	Warden Property Line
11/09/15	11-09-15 Base Pit	N 29° 38' 15" W 098° 16' 59"	CLEAR 70° SW 1	11:55	0.030	5.2	107.5	488	890.00	4,823	City Property Line
11/09/15	11-09-15 Base Pit	N 29° 38' 15" W 098° 16' 59"	CLEAR 70° SW 1	11:55	0.195	28.0	101.9	488	890.00	2,388	Holly - 9916 Trophy Oaks
11/09/15	11-09-15 Base Pit	N 29° 38' 15" W 098° 16' 59"	CLEAR 70° SW 1	11:55	0.020	12.0	98.8	488	890.00	9,959	Midla - 8724 Verano Drive
11/09/15	11-09-15 Base Pit	N 29° 38' 15" W 098° 16' 59"	CLEAR 70° SW 1	11:55	0.020	32.0	103.5	488	890.00	8,055	Taveres - 9118 Tuscan Hills
11/09/15	11-09-15 Base Pit	N 29° 38' 15" W 098° 16' 59"	CLEAR 70° SW 1	11:55	0.095	23.0	109.5	488	890.00	3,699	Warden - 21375 Gunther Grove
11/09/15	11-09-15 Base Pit	N 29° 38' 15" W 098° 16' 59"	CLEAR 70° SW 1	11:55	0.085	10.0	109.5	488	890.00	3,666	Warden Property Line

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

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF NOVEMBER 2015

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
11/09/15	11-09-15 Upper 3A	N 29° 38' 37" W 098° 17' 34.5"	CLEAR 70° SW 1	12:11	0.045	8.3	113.1	456	572.00	2,281	City Property Line
11/09/15	11-09-15 Upper 3A	N 29° 38' 37" W 098° 17' 34.5"	CLEAR 70° SW 1	12:11	0.045	24.0	98.8	456	572.00	6,653	Midla - 8724 Verano Drive
11/09/15	11-09-15 Upper 3A	N 29° 38' 37" W 098° 17' 34.5"	CLEAR 70° SW 1	12:11	0.050	8.0	108.4	456	572.00	4,284	Taveres - 9118 Tuscan Hills
11/09/15	11-09-15 Upper 3A	N 29° 38' 37" W 098° 17' 34.5"	CLEAR 70° SW 1	12:11	0.225	21.0	115.6	456	572.00	1,498	Warden - 21375 Gunther Grove
11/09/15	11-09-15 Upper 3A	N 29° 38' 37" W 098° 17' 34.5"	CLEAR 70° SW 1	12:11	0.165	28.0	117.1	456	572.00	1,308	Warden Property Line
11/10/15	11-10-15 3B	N 29° 38' 42" W 098° 17' 35"	CLOUDY 71° S 9	11:54	0.045	6.2	101.9	908	793.00	2,628	City Property Line
11/10/15	11-10-15 3B	N 29° 38' 42" W 098° 17' 35"	CLOUDY 71° S 9	11:54	0.045	21.0	94.0	908	793.00	6,652	Midla - 8724 Verano Drive
11/10/15	11-10-15 3B	N 29° 38' 42" W 098° 17' 35"	CLOUDY 71° S 9	11:54	0.075	7.4	101.0	908	793.00	4,041	Taveres - 9118 Tuscan Hills
11/10/15	11-10-15 3B	N 29° 38' 42" W 098° 17' 35"	CLOUDY 71° S 9	11:54	0.195	20.0	107.5	908	793.00	1,975	Warden - 21375 Gunther Grove
11/10/15	11-10-15 3B	N 29° 38' 42" W 098° 17' 35"	CLOUDY 71° S 9	11:54	0.150	12.0	108.0	908	793.00	1,758	Warden Property Line
11/12/15	11-12-15 South Wall D	N 29° 38' 11" W 098° 16' 52"	PT CLOUDY 64° NE 14	10:59	NT	NT	NT	798	980.00	5,584	City Property Line
11/12/15	11-12-15 South Wall D	N 29° 38' 11" W 098° 16' 52"	PT CLOUDY 64° NE 14	10:59	0.065	20.0	113.3	798	980.00	3,022	Holly - 9916 Trophy Oaks
11/12/15	11-12-15 South Wall D	N 29° 38' 11" W 098° 16' 52"	PT CLOUDY 64° NE 14	10:59	NT	NT	NT	798	980.00	10,733	Midla - 8724 Verano Drive
11/12/15	11-12-15 South Wall D	N 29° 38' 11" W 098° 16' 52"	PT CLOUDY 64° NE 14	10:59	NT	NT	NT	798	980.00	8,749	Taveres - 9118 Tuscan Hills
11/12/15	11-12-15 South Wall D	N 29° 38' 11" W 098° 16' 52"	PT CLOUDY 64° NE 14	10:59	0.050	8.8	117.2	798	980.00	4,399	Warden - 21375 Gunther Grove
11/13/15	11-13-15 Lower 6	N 29° 38' 49" W 098° 17' 08"	CLOUDY 60° NE 11	10:47	0.025	10.0	112.6	620	480.00	4,851	City Property Line

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GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF NOVEMBER 2015

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
11/13/15	11-13-15 Lower 6	N 29° 38' 49" W 098° 17' 08"	CLOUDY 60° NE 11	10:47	0.040	18.0	104.2	620	480.00	9,212	Midla - 8724 Verano Drive
11/13/15	11-13-15 Lower 6	N 29° 38' 49" W 098° 17' 08"	CLOUDY 60° NE 11	10:47	0.050	14.0	106.5	620	480.00	6,297	Taveres - 9118 Tuscan Hills
11/13/15	11-13-15 Lower 6	N 29° 38' 49" W 098° 17' 08"	CLOUDY 60° NE 11	10:47	0.195	19.0	116.4	620	480.00	3,858	Warden - 21375 Gunther Grove
11/13/15	11-13-15 Lower 6	N 29° 38' 49" W 098° 17' 08"	CLOUDY 60° NE 11	10:47	0.075	17.0	114.8	620	480.00	3,656	Warden Property Line
11/18/15	11-18-15 5A	N 29° 39' 04" W 098° 17' 19"	CLEAR 67° S 3	12:41	0.025	12.0	108.8	1008	715.00	5,202	City Property Line
11/18/15	11-18-15 5A	N 29° 39' 04" W 098° 17' 19"	CLEAR 67° S 3	12:41	0.025	19.0	94.0	1008	715.00	8,676	Midla - 8724 Verano Drive
11/18/15	11-18-15 5A	N 29° 39' 04" W 098° 17' 19"	CLEAR 67° S 3	12:41	0.045	10.0	103.5	1008	715.00	5,422	Taveres - 9118 Tuscan Hills
11/18/15	11-18-15 5A	N 29° 39' 04" W 098° 17' 19"	CLEAR 67° S 3	12:41	0.100	13.0	108.4	1008	715.00	4,548	Warden - 21375 Gunther Grove
11/18/15	11-18-15 5A	N 29° 39' 04" W 098° 17' 19"	CLEAR 67° S 3	12:41	0.045	12.0	108.8	1008	715.00	4,327	Warden Property Line
11/20/15	11-20-15 3C	N 29° 38' 49" W 098° 17' 35"	CLEAR 70° SE 6	11:43	0.040	12.0	100.0	792	572.00	3,152	City Property Line
11/20/15	11-20-15 3C	N 29° 38' 49" W 098° 17' 35"	CLEAR 70° SE 6	11:43	0.045	15.0	91.5	792	572.00	6,880	Midla - 8724 Verano Drive
11/20/15	11-20-15 3C	N 29° 38' 49" W 098° 17' 35"	CLEAR 70° SE 6	11:43	0.115	7.9	101.0	792	572.00	3,924	Taveres - 9118 Tuscan Hills
11/20/15	11-20-15 3C	N 29° 38' 49" W 098° 17' 35"	CLEAR 70° SE 6	11:43	0.190	19.0	102.8	792	572.00	2,671	Warden - 21375 Gunther Grove
11/20/15	11-20-15 3C	N 29° 38' 49" W 098° 17' 35"	CLEAR 70° SE 6	11:43	0.085	9.8	101.0	792	572.00	2,457	Warden Property Line
11/24/15	11-24-15 Lower 3A	N 29° 38' 39" W 098° 17' 33"	CLOUDY 62° SE 7	11:49	0.020	34.0	101.0	600	235.00	2,483	City Property Line
11/24/15	11-24-15 Lower 3A	N 29° 38' 39" W 098° 17' 33"	CLOUDY 62° SE 7	11:49	0.020	24.0	91.5	600	235.00	6,898	Midla - 8724 Verano Drive

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GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF NOVEMBER 2015

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
11/24/15	11-24-15 Lower 3A	N 29° 38' 39" W 098° 17' 33"	CLOUDY 62° SE 7	11:49	0.025	18.0	97.5	600	235.00	4,295	Taveres - 9118 Tuscan Hills
11/24/15	11-24-15 Lower 3A	N 29° 38' 39" W 098° 17' 33"	CLOUDY 62° SE 7	11:49	0.195	24.0	104.2	600	235.00	1,735	Warden - 21375 Gunther Grove
11/24/15	11-24-15 Lower 3A	N 29° 38' 39" W 098° 17' 33"	CLOUDY 62° SE 7	11:49	0.095	26.0	104.2	600	235.00	1,514	Warden Property Line
11/25/15	11-25-15 3D	N 29° 38' 52" W 098° 17' 36"	RAIN 68° S 13	11:18	0.055	9.5	102.8	1050	793.00	3,371	City Property Line
11/25/15	11-25-15 3D	N 29° 38' 52" W 098° 17' 36"	RAIN 68° S 13	11:18	0.045	21.0	91.5	1050	793.00	6,871	Midla - 8724 Verano Drive
11/25/15	11-25-15 3D	N 29° 38' 52" W 098° 17' 36"	RAIN 68° S 13	11:18	0.070	9.1	100.0	1050	793.00	3,824	Taveres - 9118 Tuscan Hills
11/25/15	11-25-15 3D	N 29° 38' 52" W 098° 17' 36"	RAIN 68° S 13	11:18	0.125	23.0	104.9	1050	793.00	2,960	Warden - 21375 Gunther Grove
11/25/15	11-25-15 3D	N 29° 38' 52" W 098° 17' 36"	RAIN 68° S 13	11:18	0.080	18.0	105.5	1050	793.00	2,749	Warden Property Line

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

City Secretary

From: noreply@civicplus.com
Sent: Thursday, October 15, 2015 8:52 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	Nancy
Last Name	Goodart
Report Date	10/15/2015
Phone Number:	210 651 8061
E-Mail Address	-
Address1	9357 Goldenrod Lane
Blast Date/Time:	@12:00
Please describe the event.	Very loud blast some time after lunch. 10/14/15 Huge bleat around 1:00 pm It broke the neighbors wine glasses!
How did this blast compare to other blasts?	The Wednesday blast was the worst so far!
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	10/14 intensity
What was your activity at the time of blast?	sitting on the sofa in the den
In what general direction does you house face? (N,E,S or W)	Et.
What is the approximate square footage of your home?	28,000
Is your home a 1 story, 1 1/2 , or 2 story or large?	!
Would you like a Quarry Commission member to	Yes

10-16-15 FW QC Gr Emails

10-1

City Secretary

From: noreply@civicplus.com
Sent: Tuesday, October 20, 2015 1:39 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	Becky
Last Name	Meek
Report Date	10/20/2015
Phone Number:	651-8548
E-Mail Address	
Address1	20458 Wahl Lane
Blast Date/Time:	10-20-2015/1:31pm
Please describe the event.	Extremely hard blast!
How did this blast compare to other blasts?	Much worse
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?	Eating lunch
In what general direction does you house face? (N,E,S or W)	N
What is the approximate square footage of your home?	4,000
Is your home a 1 story, 1 1/2 , or 2 story or large?	1story
Would you like a Quarry Commission member to contact you regarding	No

10-20-15 FW QC Email
10-2

your report?

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 City Council Chambers in City Hall.*

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Monday, November 09, 2015 1:37 PM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Monday, November 09, 2015 12:17 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	Jeanette
Last Name	Baldwin
Report Date	11/9/2015
Phone Number:	210-464-3403
E-Mail Address	
Address1	20408 Wahl Lane
Blast Date/Time:	11/9/2015 @ 12:00 pm
Please describe the event.	The strongest blast felt to date. Rattled entire house, windows, and interior items such as mirrors, books, etc. I would like to know how close you are and how much longer we can expect blasts at this magnitude.
How did this blast compare to other blasts?	So much stronger! Very scary! Concerned about my foundation! This shook the home rather than the past felt rattles.
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	5
What was your activity at the time of blast?	reading

11-1

In what general direction does you house face? (N,E,S or W)	North-South
What is the approximate square footage of your home?	3773
Is your home a 1 story, 1 1/2 , or 2 story or large?	1
Would you like a Quarry Commission member to contact you regarding your report?	Yes

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 City Council Chambers in City Hall.*

11-1

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Monday, November 09, 2015 1:38 PM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Monday, November 09, 2015 12:06 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	Steve
Last Name	Martin
Report Date	11/9/2015
Phone Number:	210-651-0325
E-Mail Address	[redacted]
Address1	20418 Wahl Lane, Garden Ridge TX 78266
Blast Date/Time:	11/09/15 12:00 noon
Please describe the event.	Huge blast that felt very close. Windows rattled, whole house shook, dogs barking.
How did this blast compare to other blasts?	This was the strongest blast I have felt in a couple of years.
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	5
What was your activity at the time of blast?	Reading

11-2

In what general direction does you house face? (N,E,S or W)	W
What is the approximate square footage of your home?	48002 story
Is your home a 1 story, 1 1/2 , or 2 story or large?	*Field not completed.*
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 each month at 7:00 PM in the City Council Chambers in City Hall.*

11-2

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Monday, November 09, 2015 1:39 PM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Monday, November 09, 2015 12:35 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	David
Last Name	Dauer
Report Date	11/9/2015
Phone Number:	210-789-6552
E-Mail Address	
Address1	20003 Regency Run Garden Ridge Texas
Blast Date/Time:	11-9-2015 11:54am
Please describe the event.	Felt large blast, shook my entire house. Even rattled the dishes in my cabinets. Found some cracks in my 2nd floor guest bedroom that are new. Why are we receiving such large blast shocks this far away from the quarry. Who do we contact to report damage to my home.
How did this blast compare to other blasts?	Most blasts occur when we are at work, Just happened to be home today. This blast seemed to be very strong.
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	4-5
What was your activity at the time of blast?	at home doing paperwork

11-3

In what general direction does you house face? (N,E,S or W)	north
What is the approximate square footage of your home?	3600
Is your home a 1 story, 1 1/2 , or 2 story or large?	2 story
Would you like a Quarry Commission member to contact you regarding your report?	Yes

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 City Council Chambers in City Hall.*

11-3

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Monday, November 09, 2015 1:39 PM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Monday, November 09, 2015 1:12 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	connie
Last Name	cain
Report Date	11/9/2015
Phone Number:	210 651 6757
E-Mail Address	
Address1	9967 Trophy Oak Drive
Blast Date/Time:	11/9/15
Please describe the event.	1st blast at 11:55 was short, loud and one of the worst blasts we felt. 2nd blast at 12;12 was long, loud and surprised us. It is a clear day.
How did this blast compare to other blasts?	I only report the worst of blasts. It seems to me that the more education we receive from the Quarry representatives the worst the blast get.
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	5 and the second a 4
What was your activity at the time of blast?	in the kitchen preparing lunch

11-4

In what general direction does you house face? (N,E,S or W)	*Field not completed.*
What is the approximate square footage of your home?	2630
Is your home a 1 story, 1 1/2 , or 2 story or large?	1 story
Would you like a Quarry Commission member to contact you regarding your report?	No

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 City Council Chambers in City Hall.*

11-4

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Tuesday, November 10, 2015 8:33 AM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Monday, November 09, 2015 6:08 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	James
Last Name	Birkle
Report Date	11/9/2015
Phone Number:	651-3915
E-Mail Address	..
Address1	20429 Wahl Lane
Blast Date/Time:	11/9/15
Please describe the event.	working quietly at home and a sudden "train wreck" occurred at mu house shaking it violently.
How did this blast compare to other blasts?	much more sudden and violent
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	5
What was your activity at the time of blast?	in my office working

In what general direction does you house face? (N,E,S or W)	n
What is the approximate square footage of your home?	4000
Is your home a 1 story, 1 1/2 , or 2 story or large?	2 story
Would you like a Quarry Commission member to contact you regarding your report?	Yes

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11-5

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Tuesday, November 10, 2015 8:34 AM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Monday, November 09, 2015 7:16 PM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	Missy
Last Name	Lantzy
Report Date	11/9/2015
Phone Number:	210.651.3531
E-Mail Address	
Address1	20515 Wahl Lane
Blast Date/Time:	11/9/15. Noon
Please describe the event.	One of the worst blasts in years!!!
How did this blast compare to other blasts?	A lot worse!
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	5
What was your activity at the time of blast?	Watching the noon news.
In what general direction does you house face? (N,E,S or W)	North

What is the approximate square footage of your home?	3200
Is your home a 1 story, 1 1/2 , or 2 story or large?	1 1/2
Would you like a Quarry Commission member 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 each month at 7:00 PM in the City Council Chambers in City Hall.*

11-6

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Thursday, November 12, 2015 11:12 AM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report-#11-7

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Thursday, November 12, 2015 11:09 AM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	Steve
Last Name	Martin
Report Date	11/12/2015
Phone Number:	210-651-0325
E-Mail Address	
Address1	20418 Wahl Lane, Garden Ridge, TX, 78266
Blast Date/Time:	11:00 am 11/12/15
Please describe the event.	It felt like a double blast. The first shook the whole house and the second one which was like a second later really was louder and stronger. It shook the house violently!!
How did this blast compare to other blasts?	This blast was stronger than the blast I last reported.5
On a 1 to 5 scale, please rate the blast intensity. (1=minor, 5 = major)	5
What was your activity at the time of blast?	I was in the garage
In what general direction	w

does you house face? (N,E,S or W)	
What is the approximate square footage of your home?	4800
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 each month at 7:00 PM in the City Council Chambers in City Hall.*

11-7

Email not displaying correctly? View it in your browser.

City Secretary

From: City Secretary
Sent: Thursday, November 12, 2015 11:37 AM
To:

Subject: FW: Online Form Submittal: Citizen Quarry Blast Impact Report-#11-8

From: noreply@civicplus.com [mailto:noreply@civicplus.com]
Sent: Thursday, November 12, 2015 11:35 AM
To: City Administrator; City Secretary
Subject: Online Form Submittal: Citizen Quarry Blast Impact Report

Citizen Quarry Blast Impact Report

First Name	connie
Last Name	cain
Report Date	11/12/2015
Phone Number:	210 651-6757
E-Mail Address	
Address1	9967 Trophy Oak Drive
Blast Date/Time:	11/12/15 11:00 am
Please describe the event.	I was vacuuming our walk-in bedroom closet. The Blast surprised me. The floor under me shook and my heart raced.My husband Clarence was in the garage working and thought it was one of the worst blasts he's felt. The Quarry is getting more and more aggressive with their blasting. It is a cloudy day and I wish the Quarry would take this into consideration and the effects it has on the residence before they blast.
How did this blast compare to other blasts?	Today's blast was unacceptable. I have a bad back and a heart condition. I want to feel safe in my own home and don't need a surprise blast to cause me to fall or make my heart race.
On a 1 to 5 scale, please rate the blast intensity.	5

(1=minor, 5 = major)

What was your activity at the time of blast?	vacuuming
In what general direction does you house face? (N,E,S or W)	*Field not completed.*
What is the approximate square footage of your home?	2630
Is your home a 1 story, 1 1/2 , or 2 story or large?	1
Would you like a Quarry Commission member to contact you regarding your report?	No

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 City Council Chambers in City Hall.*

11-8

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