



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, November 14, 2016 at 6:00 p.m.

The Garden Ridge City Quarry Commission will meet in regular session on Monday, November 14, 2016 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 November 10, 2016 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. September 12, 2016 Joint City Council and Quarry Commission Meeting
 - b. September 12, 2016 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. Discussion on timely submission of Partial Exemption Permit applications.
- e. Vacant Quarry Commission position with term of office expiring September 30, 2018.
 - i. Interview possible candidates
 - ii. Consideration of recommendation to the City Council
- f. Nominations and vote on:
 - i. Quarry Commission Chair
 - ii. Quarry Commission Vice-Chair
- g. Discuss Grapevine article topics and future author/s of articles.
- h. Discuss future training sessions.

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

7. Adjournment:

AGENDA NOTICES:

Decorum Required:

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

Action by Commission Authorized:

The 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 10:00 am on November 10, 2016 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
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MINUTES OF CITY COUNCIL AND QUARRY COMMISSION **JOINT MEETING,** **September 12, 2016**

City Council Members Present:

Mayor Nadine Knaus
Mayor Pro-Tem John McCaw
Councilmember Todd Arvidson
Councilmember Bryan Lantzy
Councilmember Shelby Trial

Member Absent:

Councilmember Larry Thompson

Quarry Commission Members Present:

Chairman Mike Shands
Commissioner Jerry Barucky
Commissioner Albert Haddad
Commissioner Richard Holloway
Commissioner Johnell Holly
Ex-Officio Member Councilmember Bryan Lantzy

Member Absent:

Vice Chairman Wayne Mudge
Commissioner Jim Morgan

City Staff Present:

Nancy Cain, City Administrator
Cynthia Trevino, City Attorney
Shelley Goodwin, City Secretary

1. Call to Order

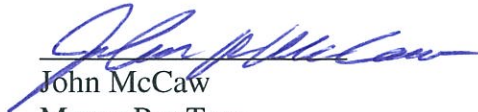
With a quorum of the City Council and Quarry Commission members present, Mayor Knaus called the joint meeting of the Garden Ridge City Council and Quarry Commission to order at 6:00 p.m. on Monday, September 12, 2016, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

limit from 75% to 70% and the Ordinance reference from 34-052012 to 34-082012. The City Council voted four (4) for and none (0) opposed. The motion carried unanimously.

7. **Citizen's Participation:** - 3 minute limit per citizen.
No one wished to speak.

8. **Adjournment:**

There being no further business, the Monday, September 12, 2016 Garden Ridge City Council and Quarry Commission joint meeting was adjourned at 7:18 p.m. by Mayor Knaus.


John McCaw
Mayor Pro Tem

Mike Shands
Quarry Commission Chair

ATTEST

Shelley Goodwin, TRMC
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 **SEPTEMBER 12, 2016**

Members Present:

Chairman Mike Shands
Commissioner Jerry Barucky
Commissioner Albert Haddad
Commissioner Richard Holloway
Commissioner Johnell Holly

Member Absent:

Vice Chairman Wayne Mudge
Commissioner vacant position

City Staff Present:

Nancy Cain, City Administrator
Cynthia Trevino, City Attorney
Shelley Goodwin, City Secretary

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 6:00 p.m. on Monday, September 12, 2016 in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Approval of Minutes:

a) August 8, 2016 Regular Quarry Commission Meeting

Motion: Upon motion made by Commissioner Holly and seconded by Commissioner Holloway to approve August 8, 2016 Quarry Commission Meeting Minutes. The Quarry Commission voted five (8) 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 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.**

Geoffrey Rigsby of Vibra-Tech presented and discussed the August blast analysis. He stated that 12 blasts occurred during the month of August and none of the blast exceeded the limits of Ordinance 34. The highest ppv readings occurred on August 1, 2016 in Lower 1B, with .235 ppv recorded at the Warden property line. The strongest air blast occurring on August 29, 2016 with an overpressure of 116 recorded at the Warden residence. He also discussed the timing and shots.

The Quarry Commission reviewed the shots and the blast analysis.

Geoffrey Rigsby of Vibra-Tech explained the USBM graphs used in the shot and blast analysis.

- 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 by Robert Kessler (4 reports), Olivia Cruz, and David Gordon.

Geoffrey Rigsby, Vibra-Tech, reviewed the shot reports for each citizen blast report received during the months of August.

- 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.**

The Quarry Commission discussed the placement of the roving monitor. They encouraged residents who are interested in the placement of a monitor at the home to contact the City of Garden Ridge.

- d. Vacant Quarry Commission position with term of office expiring September 30, 2018.**

- i. Interview possible candidates**
 - ii. Consideration of recommendation to the City Council**

Nancy Cain, City Administrator, stated currently the City of Garden Ridge does not have any resumes of candidates for this vacancy.

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

The Quarry Commission discussed the upcoming Grapevine article topic, which will be written by Commissioner Barucky.

f. Discuss future training sessions.

The Quarry Commission discussed future training sessions and did not recommend one for the November 14, 2016 Quarry Meeting.

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

No one wished to speak.

6. Training Session – 30 minute limit

a. Blast Regression Analysis

Geoffrey Rigsby of Vibra-Tech reviewed and explained how the Blast Regression Analysis it formed.

7. Adjournment:

There being no further business, the Monday, August 8, 2016 Garden Ridge Quarry Commission regular meeting was adjourned at 8:12 p.m. by Chairman Shands.

Mike Shands
Quarry Commission Chair

ATTEST

Shelley Goodwin
City Secretary

08/01/16	08-01-16 1B	N 29° 38' 34.6" W 098° 17' 33.8"	CLEAR 91° S 10	13:30	0.235	19.2	113.0	968	250.00	1,075	Warden Property Line
08/01/16	08-01-16 1B	N 29° 38' 34.6" W 098° 17' 33.8"	CLEAR 91° S 10	13:30	0.395	20.8	112.0	968	250.00	1,296	Warden - 21375 Gunther Grove
08/01/16	08-01-16 1B	N 29° 38' 34.6" W 098° 17' 33.8"	CLEAR 91° S 10	13:30	0.050	6.1	103.0	968	250.00	2,151	City Property Line
08/01/16	08-01-16 1B	N 29° 38' 34.6" W 098° 17' 33.8"	CLEAR 91° S 10	13:30	0.060	7.4	101.0	968	250.00	4,388	Michels - 9118 Tuscan Hills
08/01/16	08-01-16 1B	N 29° 38' 34.6" W 098° 17' 33.8"	CLEAR 91° S 10	13:30	0.033	6.8	84.0	968	250.00	6,806	Midla - 8724 Verano Drive
08/02/16	08-02-16 3D	N 29° 38' 50.2" W 098° 17' 37.5"	CLEAR 91° S 8	11:52	0.108	7.0	111.0	990	923.00	2,557	Warden Property Line
08/02/16	08-02-16 3D	N 29° 38' 50.2" W 098° 17' 37.5"	CLEAR 91° S 8	11:52	0.143	9.4	110.0	990	923.00	2,765	Warden - 21375 Gunther Grove
08/02/16	08-02-16 3D	N 29° 38' 50.2" W 098° 17' 37.5"	CLEAR 91° S 8	11:52	0.095	7.4	103.0	990	923.00	3,696	Michels - 9118 Tuscan Hills
08/02/16	08-02-16 3D	N 29° 38' 50.2" W 098° 17' 37.5"	CLEAR 91° S 8	11:52	0.048	6.1	101.0	990	923.00	3,148	City Property Line
08/02/16	08-02-16 3D	N 29° 38' 50.2" W 098° 17' 37.5"	CLEAR 91° S 8	11:52	0.063	10.0	84.0	990	923.00	6,696	Midla - 8724 Verano Drive
08/03/16	08-03-16 S Wall B	N 29° 38' 13.5" W 098° 16' 43.8"	PT CLOUDY 87° SW 8	11:21	NT	NT	NT	637	1053.00	6,249	City Property Line
08/03/16	08-03-16 S Wall B	N 29° 38' 13.5" W 098° 16' 43.8"	PT CLOUDY 87° SW 8	11:21	NT	NT	NT	637	1053.00	9,282	Michels - 9118 Tuscan Hills
08/03/16	08-03-16 S Wall B	N 29° 38' 13.5" W 098° 16' 43.8"	PT CLOUDY 87° SW 8	11:21	NT	NT	NT	637	1053.00	11,392	Midla - 8724 Verano Drive
08/03/16	08-03-16 S Wall B	N 29° 38' 13.5" W 098° 16' 43.8"	PT CLOUDY 87° SW 8	11:21	0.065	8.5	114.0	637	1053.00	5,043	Warden - 21375 Gunther Grove

08/03/16	08-03-16 S Wall B	N 29° 38' 13.5" W 098° 16' 43.8"	PT CLOUDY 87° SW 8	11:21	0.063	7.6	101.0	637	1053.00	3,720	Holly - 9916 Trophy Oaks
08/08/16	08-08-16 S Wall A	N 29° 38' 14.3" W 098° 16' 40.3"	CLEAR 96° SW 5	12:56	NT	NT	NT	610	1001.00	9,529	Michels - 9118 Tuscan Hills
08/08/16	08-08-16 S Wall A	N 29° 38' 14.3" W 098° 16' 40.3"	CLEAR 96° SW 5	12:56	NT	NT	NT	610	1001.00	11,682	Midla - 8724 Verano Drive
08/08/16	08-08-16 S Wall A	N 29° 38' 14.3" W 098° 16' 40.3"	CLEAR 96° SW 5	12:56	0.105	13.5	112.0	610	1001.00	5,232	Warden - 21375 Gunther Grove
08/08/16	08-08-16 S Wall A	N 29° 38' 14.3" W 098° 16' 40.3"	CLEAR 96° SW 5	12:56	0.058	7.4	100.0	610	1001.00	4,026	Holly - 9916 Trophy Oaks
08/08/16	08-08-16 S Wall A	N 29° 38' 14.3" W 098° 16' 40.3"	CLEAR 96° SW 5	12:56	0.023	3.8	11.9	610	1001.00	6,543	City Property Line
08/11/16	08-11-16 Lower 6	N 29° 38' 51.2" W 098° 17' 09.9"	PT CLOUDY 95° S 6	13:19	NT	NT	NT	1000	480.00	4,842	City Property Line
08/11/16	08-11-16 Lower 6	N 29° 38' 51.2" W 098° 17' 09.9"	PT CLOUDY 95° S 6	13:19	0.093	17.9	113.0	1000	480.00	3,898	Warden - 21375 Gunther Grove
08/11/16	08-11-16 Lower 6	N 29° 38' 51.2" W 098° 17' 09.9"	PT CLOUDY 95° S 6	13:19	0.043	13.2	111.0	1000	480.00	3,690	Warden Property Line
08/11/16	08-11-16 Lower 6	N 29° 38' 51.2" W 098° 17' 09.9"	PT CLOUDY 95° S 6	13:19	0.043	6.7	110.0	1000	480.00	4,414	Cohen - 10041 Trophy Oaks
08/11/16	08-11-16 Lower 6	N 29° 38' 51.2" W 098° 17' 09.9"	PT CLOUDY 95° S 6	13:19	0.078	19.2	95.0	1000	480.00	6,123	Michels - 9118 Tuscan Hills
08/12/16	08-12-16 4A	N 29° 38' 58.8" W 098° 17' 38.1"	CLEAR 98° S 6	14:03	NT	NT	NT	923	715.00	3,923	City Property Line
08/12/16	08-12-16 4A	N 29° 38' 58.8" W 098° 17' 38.1"	CLEAR 98° S 6	14:03	0.035	13.5	112.0	923	715.00	3,426	Warden Property Line
08/12/16	08-12-16 4A	N 29° 38' 58.8" W 098° 17' 38.1"	CLEAR 98° S 6	14:03	0.093	14.3	110.0	923	715.00	3,632	Warden - 21375 Gunther Grove

08/12/16	08-12-16 4A	N 29° 38' 58.8" W 098° 17' 38.1"	CLEAR 98° S 6	14:03	0.035	4.5	108.0	923	715.00	4,498	Cohen - 10041 Trophy Oaks
08/12/16	08-12-16 4A	N 29° 38' 58.8" W 098° 17' 38.1"	CLEAR 98° S 6	14:03	0.058	10.9	102.0	923	715.00	3,704	Michels - 9118 Tuscan Hills
08/19/16	08-19-16 3D	N 29° 38' 49.7" W 098° 17' 37.7"	CLOUDY 88° S 9	12:27	0.115	8.6	112.0	1200	923.00	2,506	Warden Property Line
08/19/16	08-19-16 3D	N 29° 38' 49.7" W 098° 17' 37.7"	CLOUDY 88° S 9	12:27	0.133	9.3	111.0	1200	923.00	2,713	Warden - 21375 Gunther Grove
08/19/16	08-19-16 3D	N 29° 38' 49.7" W 098° 17' 37.7"	CLOUDY 88° S 9	12:27	0.060	9.8	106.0	1200	923.00	3,575	Cohen - 10041 Trophy Oaks
08/19/16	08-19-16 3D	N 29° 38' 49.7" W 098° 17' 37.7"	CLOUDY 88° S 9	12:27	0.075	7.4	101.0	1200	923.00	3,682	Michels - 9118 Tuscan Hills
08/19/16	08-19-16 3D	N 29° 38' 49.7" W 098° 17' 37.7"	CLOUDY 88° S 9	12:27	0.043	7.4	101.0	1200	923.00	3,095	City Property Line
08/23/16	08-23-16 3E	N 29° 38' 54.4" W 098° 17' 38.3"	PT CLOUDY 88° S 14	12:06	0.038	20.8	103.0	1000	871.00	2,980	Warden Property Line
08/23/16	08-23-16 3E	N 29° 38' 54.4" W 098° 17' 38.3"	PT CLOUDY 88° S 14	12:06	0.083	9.6	101.0	1000	871.00	3,185	Warden - 21375 Gunther Grove
08/23/16	08-23-16 3E	N 29° 38' 54.4" W 098° 17' 38.3"	PT CLOUDY 88° S 14	12:06	0.043	11.4	101.0	1000	871.00	3,630	Michels - 9118 Tuscan Hills
08/23/16	08-23-16 3E	N 29° 38' 54.4" W 098° 17' 38.3"	PT CLOUDY 88° S 14	12:06	0.070	31.3	98.0	1000	871.00	4,053	Cohen - 10041 Trophy Oaks
08/23/16	08-23-16 3E	N 29° 38' 54.4" W 098° 17' 38.3"	PT CLOUDY 88° S 14	12:06	0.023	7.4	95.0	1000	871.00	3,503	City Property Line
08/24/16	08-24-16 4B	N 29° 39' 02.5" W 098° 17' 36.4"	PT CLOUDY 84° S 11	11:38	0.105	16.1	112.0	470	860.00	4,015	Warden - 21375 Gunther Grove
08/24/16	08-24-16 4B	N 29° 39' 02.5" W 098° 17' 36.4"	PT CLOUDY 84° S 11	11:38	0.100	23.8	112.0	470	860.00	3,807	Warden Property Line

08/24/16	08-24-16 4B	N 29° 39' 02.5" W 098° 17' 36.4"	PT CLOUDY 84° S 11	11:38	0.035	13.9	109.0	470	860.00	4,326	City Property Line
08/24/16	08-24-16 4B	N 29° 39' 02.5" W 098° 17' 36.4"	PT CLOUDY 84° S 11	11:38	0.083	17.2	106.0	470	860.00	4,871	Cohen - 10041 Trophy Oaks
08/24/16	08-24-16 4B	N 29° 39' 02.5" W 098° 17' 36.4"	PT CLOUDY 84° S 11	11:38	0.063	10.4	101.0	470	860.00	3,935	Michels - 9118 Tuscan Hills
08/26/16	08-26-16 4A	N 29° 38' 59.6" W 098° 17' 38.1"	PT CLOUDY 87° SE 1	11:58	0.070	13.2	113.0	923	630.00	3,507	Warden Property Line
08/26/16	08-26-16 4A	N 29° 38' 59.6" W 098° 17' 38.1"	PT CLOUDY 87° SE 1	11:58	0.100	11.4	112.0	923	630.00	3,713	Warden - 21375 Gunther Grove
08/26/16	08-26-16 4A	N 29° 38' 59.6" W 098° 17' 38.1"	PT CLOUDY 87° SE 1	11:58	0.060	12.8	110.0	923	630.00	4,579	Cohen - 10041 Trophy Oaks
08/26/16	08-26-16 4A	N 29° 38' 59.6" W 098° 17' 38.1"	PT CLOUDY 87° SE 1	11:58	0.040	11.9	106.0	923	630.00	3,999	City Property Line
08/26/16	08-26-16 4A	N 29° 38' 59.6" W 098° 17' 38.1"	PT CLOUDY 87° SE 1	11:58	0.070	12.5	103.0	923	630.00	3,720	Michels - 9118 Tuscan Hills
08/29/16	08-29-16 S Wall 0	N 29° 38' 17.6" W 098° 16' 36.9"	CLOUDY 84° NE 13	14:39	NT	NT	NT	432	988.00	9,679	Michels - 9118 Tuscan Hills
08/29/16	08-29-16 S Wall 0	N 29° 38' 17.6" W 098° 16' 36.9"	CLOUDY 84° NE 13	14:39	0.030	7.8	116.0	432	988.00	5,585	Warden - 21375 Gunther Grove
08/29/16	08-29-16 S Wall 0	N 29° 38' 17.6" W 098° 16' 36.9"	CLOUDY 84° NE 13	14:39	0.045	5.1	112.0	432	988.00	5,283	Cohen - 10041 Trophy Oaks
08/29/16	08-29-16 S Wall 0	N 29° 38' 17.6" W 098° 16' 36.9"	CLOUDY 84° NE 13	14:39	0.020	4.6	98.0	432	988.00	6,807	City Property Line
08/29/16	08-29-16 S Wall 0	N 29° 38' 17.6" W 098° 16' 36.9"	CLOUDY 84° NE 13	14:39	0.028	6.2	84.0	432	988.00	4,333	Holly - 9916 Trophy Oaks
08/31/16	08-31-16 3D	N 29° 38' 49.2" W 098° 17' 37.8"	PT CLOUDY 89° E 6	13:40	0.130	14.7	109.0	990	923.00	2,455	Warden Property Line

08/31/16	08-31-16 3D	N 29° 38' 49.2" W 098° 17' 37.8"	PT CLOUDY 89° E 6	13:40	0.130	14.7	108.0	990	923.00	2,662	Warden - 21375 Gunther Grove
08/31/16	08-31-16 3D	N 29° 38' 49.2" W 098° 17' 37.8"	PT CLOUDY 89° E 6	13:40	0.055	9.1	103.0	990	923.00	3,525	Cohen - 10041 Trophy Oaks
08/31/16	08-31-16 3D	N 29° 38' 49.2" W 098° 17' 37.8"	PT CLOUDY 89° E 6	13:40	0.045	8.6	102.0	990	923.00	3,676	Michels - 9118 Tuscan Hills
08/31/16	08-31-16 3D	N 29° 38' 49.2" W 098° 17' 37.8"	PT CLOUDY 89° E 6	13:40	0.045	6.3	100.0	990	923.00	3,046	City Property Line



October 21, 2016

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 October 2016 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2016 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).

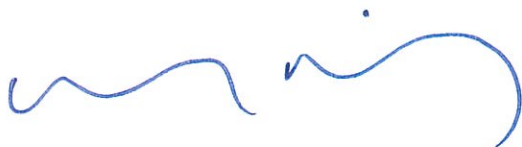
The recorded ground vibrations **satisfy** the Variable Particle Velocity vs. Frequency Limits recommended by the USBM RI-8507 (Nov. 1980), and the levels set forth in Garden Ridge City Ordinance 34.

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.

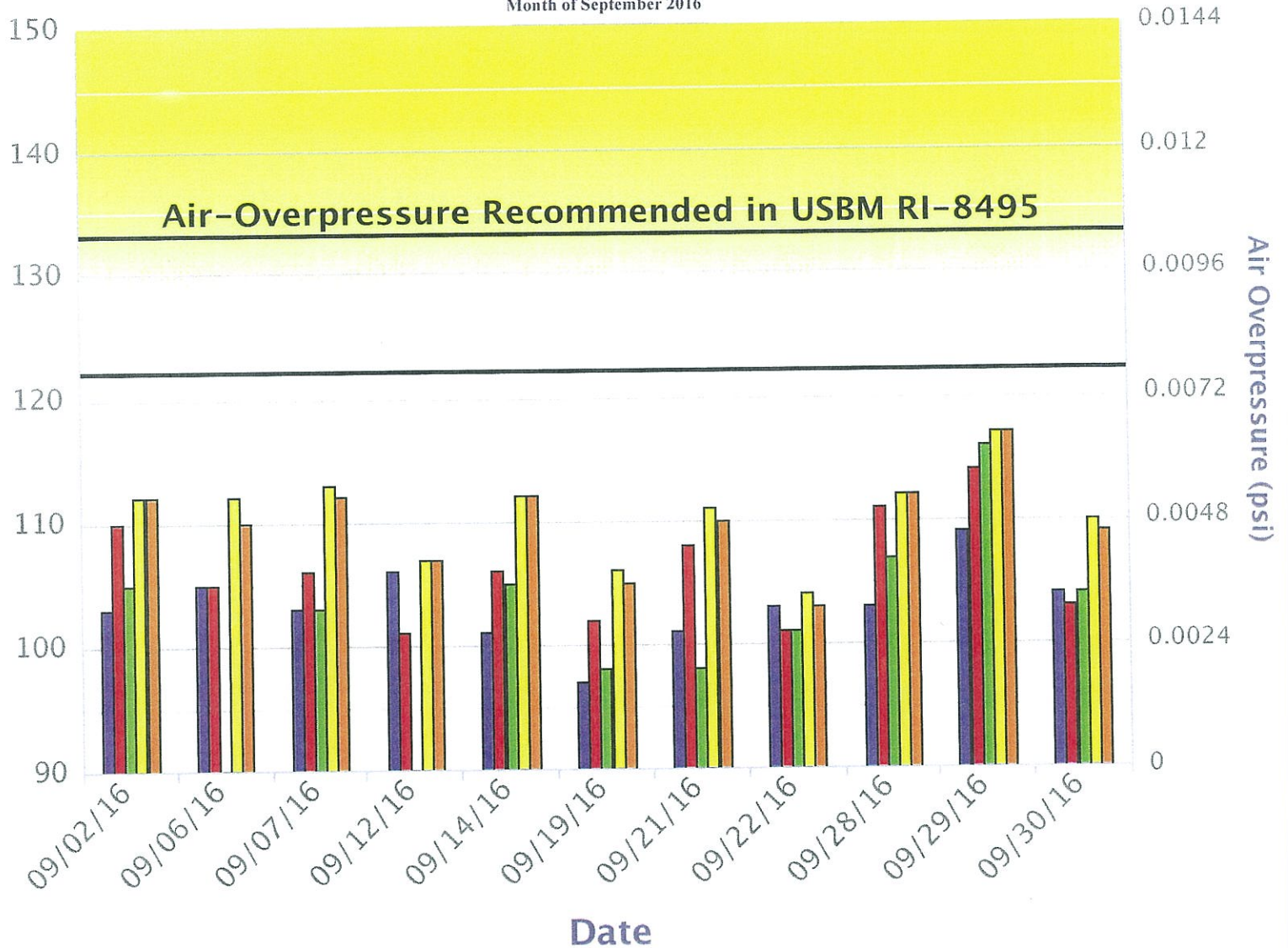
A handwritten signature in blue ink, consisting of two distinct, stylized cursive-like strokes. The first stroke is a wavy line that starts with a small loop and ends with a small hook. The second stroke is a larger, more fluid wavy line that starts with a small loop and ends with a larger hook.

Geoffrey Rigsby
Southwest Regional Manager

cc: Jacob Scherer, Hanson – Servtex

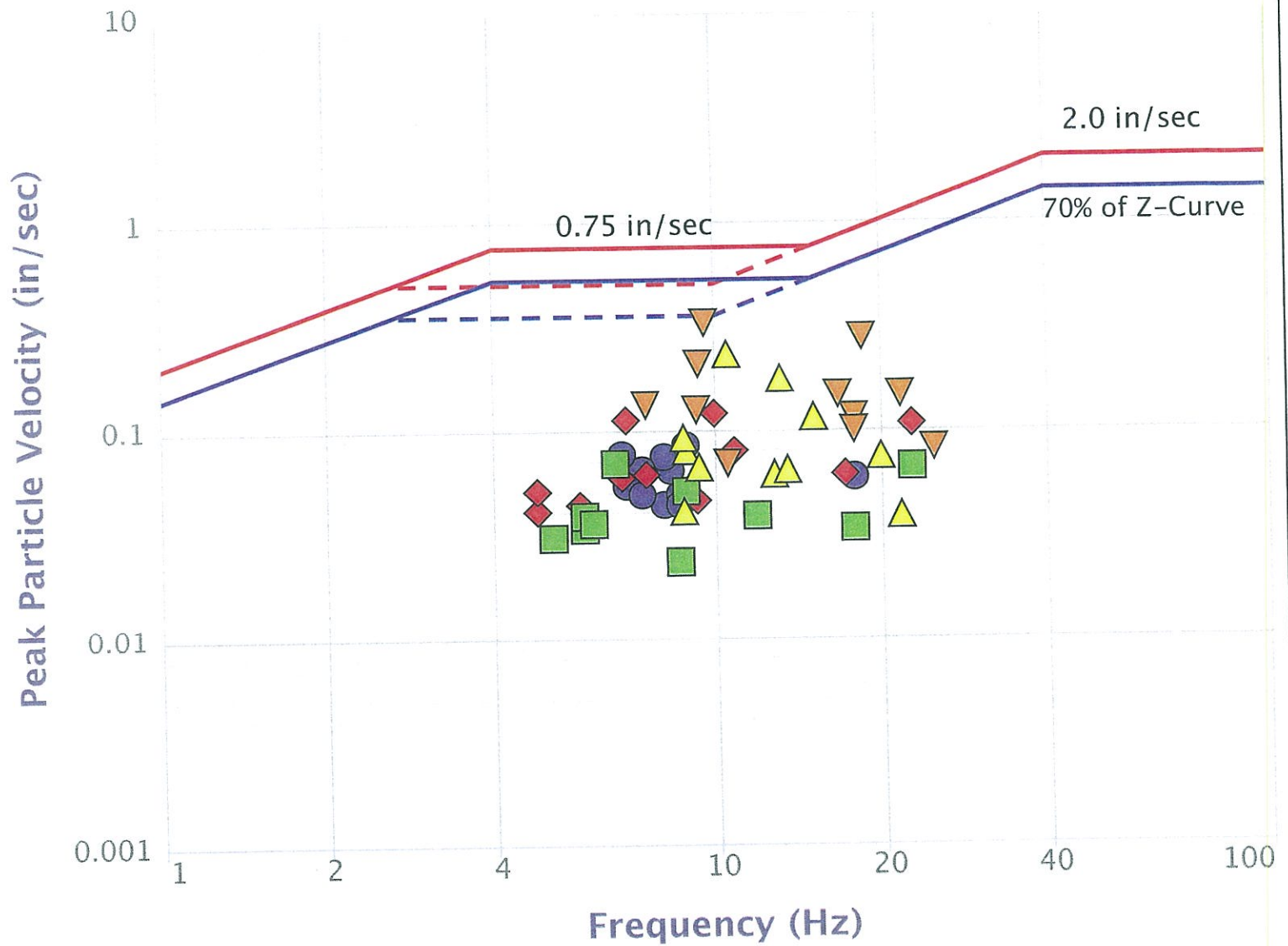


Garden Ridge Quarry Commission
Garden Ridge, Texas
AO Graph
Month of September 2016



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

Garden Ridge Quarry Commission Garden Ridge, Texas
USBM Graph
Month of September 2016



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

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF SEPTEMBER
2016

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
09/02/16	09-02-16 3E	N 29° 38' 54.8" W 098° 17' 38.5"	PT CLOUDY 82° NE 8	11:53	0.038	11.9	105.0	900	871.00	3,533	City Property Line
09/02/16	09-02-16 3E	N 29° 38' 54.8" W 098° 17' 38.5"	PT CLOUDY 82° NE 8	11:53	0.060	7.5	110.0	900	871.00	4,044	Cohen - 10041 Trophy Oaks
09/02/16	09-02-16 3E	N 29° 38' 54.8" W 098° 17' 38.5"	PT CLOUDY 82° NE 8	11:53	0.063	8.3	103.0	900	871.00	3,615	Michels - 9118 Tuscan Hills
09/02/16	09-02-16 3E	N 29° 38' 54.8" W 098° 17' 38.5"	PT CLOUDY 82° NE 8	11:53	0.113	17.9	112.0	900	871.00	3,225	Warden - 21375 Gunther Grove
09/02/16	09-02-16 3E	N 29° 38' 54.8" W 098° 17' 38.5"	PT CLOUDY 82° NE 8	11:53	0.060	12.8	112.0	900	871.00	3,020	Warden Property Line
09/06/16	09-06-16 4B	N 29° 39' 03.2" W 098° 17' 36.4"	PT CLOUDY 85° S 10	12:12	0.033	17.9	87.0	430	910.00	4,393	City Property Line
09/06/16	09-06-16 4B	N 29° 39' 03.2" W 098° 17' 36.4"	PT CLOUDY 85° S 10	12:12	0.060	17.2	105.0	430	910.00	4,942	Cohen - 10041 Trophy Oaks
09/06/16	09-06-16 4B	N 29° 39' 03.2" W 098° 17' 36.4"	PT CLOUDY 85° S 10	12:12	0.058	17.9	105.0	430	910.00	3,955	Michels - 9118 Tuscan Hills
09/06/16	09-06-16 4B	N 29° 39' 03.2" W 098° 17' 36.4"	PT CLOUDY 85° S 10	12:12	0.098	17.9	110.0	430	910.00	4,086	Warden - 21375 Gunther Grove
09/06/16	09-06-16 4B	N 29° 39' 03.2" W 098° 17' 36.4"	PT CLOUDY 85° S 10	12:12	0.073	20.0	112.0	430	910.00	3,878	Warden Property Line
09/07/16	09-07-16 Upper 3A	N 29° 38' 37.5" W 098° 17' 36.1"	PT CLOUDY 85° S 15	11:40	0.068	6.6	103.0	440	290.00	2,179	City Property Line
09/07/16	09-07-16 Upper 3A	N 29° 38' 37.5" W 098° 17' 36.1"	PT CLOUDY 85° S 15	11:40	0.110	6.9	106.0	440	290.00	2,339	Cohen - 10041 Trophy Oaks
09/07/16	09-07-16 Upper 3A	N 29° 38' 37.5" W 098° 17' 36.1"	PT CLOUDY 85° S 15	11:40	0.073	8.1	103.0	440	290.00	4,088	Michels - 9118 Tuscan Hills
09/07/16	09-07-16 Upper 3A	N 29° 38' 37.5" W 098° 17' 36.1"	PT CLOUDY 85° S 15	11:40	0.325	9.6	112.0	440	290.00	1,509	Warden - 21375 Gunther Grove
09/07/16	09-07-16 Upper 3A	N 29° 38' 37.5" W 098° 17' 36.1"	PT CLOUDY 85° S 15	11:40	0.228	10.6	113.0	440	290.00	1,292	Warden Property Line
09/09/16	09-09-16 4A	N 29° 39' 00.2" W 098° 17' 38.0"	CLEAR 89° S 14	12:41	0.050	1.9	110.0	900	670.00	4,059	City Property Line

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF SEPTEMBER
2016

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
09/09/16	09-09-16 4A	N 29° 39' 00.2" W 098° 17' 38.0"	CLEAR 89° S 14	12:41	0.060	8.3	108.0	900	670.00	4,639	Cohen - 10041 Trophy Oaks
09/09/16	09-09-16 4A	N 29° 39' 00.2" W 098° 17' 38.0"	CLEAR 89° S 14	12:41	0.085	9.6	103.0	900	670.00	3,741	Michels - 9118 Tuscan Hills
09/09/16	09-09-16 4A	N 29° 39' 00.2" W 098° 17' 38.0"	CLEAR 89° S 14	12:41	0.113	9.4	110.0	900	670.00	3,774	Warden - 21375 Gunther Grove
09/09/16	09-09-16 4A	N 29° 39' 00.2" W 098° 17' 38.0"	CLEAR 89° S 14	12:41	0.068	14.3	111.0	900	670.00	3,568	Warden Property Line
09/12/16	09-12-16 5A	N 29° 39' 04.8" W 098° 17' 17.2"	PT CLOUDY 83° S 7	11:56	NT	NT	NT	848	690.00	5,362	City Property Line
09/12/16	09-12-16 5A	N 29° 39' 04.8" W 098° 17' 17.2"	PT CLOUDY 83° S 7	11:56	0.045	9.3	101.0	848	690.00	5,387	Cohen - 10041 Trophy Oaks
09/12/16	09-12-16 5A	N 29° 39' 04.8" W 098° 17' 17.2"	PT CLOUDY 83° S 7	11:56	0.043	8.1	106.0	848	690.00	5,631	Michels - 9118 Tuscan Hills
09/12/16	09-12-16 5A	N 29° 39' 04.8" W 098° 17' 17.2"	PT CLOUDY 83° S 7	11:56	0.080	25.0	107.0	848	690.00	4,688	Warden - 21375 Gunther Grove
09/12/16	09-12-16 5A	N 29° 39' 04.8" W 098° 17' 17.2"	PT CLOUDY 83° S 7	11:56	0.038	22.7	107.0	848	690.00	4,467	Warden Property Line
09/14/16	09-14-16 3C	N 29° 38' 41.8" W 098° 17' 36.9"	PT CLOUDY 88° NE 8	12:05	0.050	8.9	105.0	968	560.00	2,456	City Property Line
09/14/16	09-14-16 3C	N 29° 38' 41.8" W 098° 17' 36.9"	PT CLOUDY 88° NE 8	12:05	0.105	22.7	106.0	968	560.00	2,774	Cohen - 10041 Trophy Oaks
09/14/16	09-14-16 3C	N 29° 38' 41.8" W 098° 17' 36.9"	PT CLOUDY 88° NE 8	12:05	0.063	7.4	101.0	968	560.00	3,885	Michels - 9118 Tuscan Hills
09/14/16	09-14-16 3C	N 29° 38' 41.8" W 098° 17' 36.9"	PT CLOUDY 88° NE 8	12:05	0.275	18.5	112.0	968	560.00	1,925	Warden - 21375 Gunther Grove
09/14/16	09-14-16 3C	N 29° 38' 41.8" W 098° 17' 36.9"	PT CLOUDY 88° NE 8	12:05	0.113	15.2	112.0	968	560.00	1,712	Warden Property Line
09/19/16	09-19-16 3E	N 29° 38' 56.0" W 098° 17' 38.9"	CLEAR 94° SE 6	14:10	0.033	5.8	98.0	1200	910.00	3,633	City Property Line
09/19/16	09-19-16 3E	N 29° 38' 56.0" W 098° 17' 38.9"	CLEAR 94° SE 6	14:10	0.043	5.7	102.0	1200	910.00	4,217	Cohen - 10041 Trophy Oaks

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NT = No Trigger, <122dB

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF SEPTEMBER
2016

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
09/19/16	09-19-16 3E	N 29° 38' 56.0" W 098° 17' 38.9"	CLEAR 94° SE 6	14:10	0.048	8.6	97.0	1200	910.00	3,592	Michels - 9118 Tuscan Hills
09/19/16	09-19-16 3E	N 29° 38' 56.0" W 098° 17' 38.9"	CLEAR 94° SE 6	14:10	0.123	9.3	105.0	1200	910.00	3,346	Warden - 21375 Gunther Grove
09/19/16	09-19-16 3E	N 29° 38' 56.0" W 098° 17' 38.9"	CLEAR 94° SE 6	14:10	0.063	13.5	106.0	1200	910.00	3,141	Warden Property Line
09/21/16	09-21-16 3D	N 29° 38' 50.9" W 098° 17' 39"	PT CLOUDY 82° SE 4	11:50	0.030	5.1	98.0	510	1014.00	3,154	City Property Line
09/21/16	09-21-16 3D	N 29° 38' 50.9" W 098° 17' 39"	PT CLOUDY 82° SE 4	11:50	0.040	4.8	108.0	510	1014.00	3,701	Cohen - 10041 Trophy Oaks
09/21/16	09-21-16 3D	N 29° 38' 50.9" W 098° 17' 39"	PT CLOUDY 82° SE 4	11:50	0.145	21.7	110.0	510	1014.00	2,829	Warden - 21375 Gunther Grove
09/21/16	09-21-16 3D	N 29° 38' 50.9" W 098° 17' 39"	PT CLOUDY 82° SE 4	11:50	0.078	8.9	111.0	510	1014.00	2,625	Warden Property Line
09/21/16	09-21-16 3D	N 29° 38' 50.9" W 098° 17' 39"	PT CLOUDY 82° SE 4	11:50	0.145	21.7	110.0	510	1014.00	2,829	Warden Property Line
09/22/16	09-22-16 3D	N 29° 38' 50.5" W 098° 17' 38.6"	PT CLOUDY 89° E 9	13:07	0.038	5.8	101.0	750	1000.00	3,132	City Property Line
09/22/16	09-22-16 3D	N 29° 38' 50.5" W 098° 17' 38.6"	PT CLOUDY 89° E 9	13:07	0.050	4.8	101.0	750	1000.00	3,659	Cohen - 10041 Trophy Oaks
09/22/16	09-22-16 3D	N 29° 38' 50.5" W 098° 17' 38.6"	PT CLOUDY 89° E 9	13:07	0.043	8.6	103.0	750	1000.00	3,598	Michels - 9118 Tuscan Hills
09/22/16	09-22-16 3D	N 29° 38' 50.5" W 098° 17' 38.6"	PT CLOUDY 89° E 9	13:07	0.130	7.5	103.0	750	1000.00	2,789	Warden - 21375 Gunther Grove
09/22/16	09-22-16 3D	N 29° 38' 50.5" W 098° 17' 38.6"	PT CLOUDY 89° E 9	13:07	0.090	8.8	104.0	750	1000.00	2,584	Warden Property Line
09/28/16	09-28-16 4B	N 29° 39' 03.4" W 098° 17' 37"	CLEAR 79° SW 1	11:34	0.023	8.6	107.0	494	800.00	4,394	City Property Line
09/28/16	09-28-16 4B	N 29° 39' 03.4" W 098° 17' 37"	CLEAR 79° SW 1	11:34	0.078	10.9	111.0	494	800.00	4,963	Cohen - 10041 Trophy Oaks
09/28/16	09-28-16 4B	N 29° 39' 03.4" W 098° 17' 37"	CLEAR 79° SW 1	11:34	0.048	7.4	103.0	494	800.00	3,910	Michels - 9118 Tuscan Hills

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GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF SEPTEMBER
2016

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
09/28/16	09-28-16 4B	N 29° 39' 03.4" W 098° 17' 37"	CLEAR 79° SW 1	11:34	0.068	10.6	112.0	494	800.00	4,103	Warden - 21375 Gunther Grove
09/28/16	09-28-16 4B	N 29° 39' 03.4" W 098° 17' 37"	CLEAR 79° SW 1	11:34	0.040	8.8	112.0	494	800.00	3,895	Warden Property Line
09/29/16	09-29-16 4A	N 29° 39' 00.3" W 098° 17' 38.3"	CLEAR 84° NE 10	13:06	0.035	6.0	116.0	900	715.00	4,059	City Property Line
09/29/16	09-29-16 4A	N 29° 39' 00.3" W 098° 17' 38.3"	CLEAR 84° NE 10	13:06	0.058	6.8	114.0	900	715.00	4,650	Cohen - 10041 Trophy Oaks
09/29/16	09-29-16 4A	N 29° 39' 00.3" W 098° 17' 38.3"	CLEAR 84° NE 10	13:06	0.083	8.9	109.0	900	715.00	3,718	Michels - 9118 Tuscan Hills
09/29/16	09-29-16 4A	N 29° 39' 00.3" W 098° 17' 38.3"	CLEAR 84° NE 10	13:06	0.145	16.7	117.0	900	715.00	3,783	Warden - 21375 Gunther Grove
09/29/16	09-29-16 4A	N 29° 39' 00.3" W 098° 17' 38.3"	CLEAR 84° NE 10	13:06	0.065	9.4	117.0	900	715.00	3,578	Warden Property Line
09/30/16	09-30-16 3C	N 29° 38' 42.7" W 098° 17' 37.2"	CLEAR 75° NE 3	12:15	0.065	22.7	104.0	900	520.00	2,514	City Property Line
09/30/16	09-30-16 3C	N 29° 38' 42.7" W 098° 17' 37.2"	CLEAR 75° NE 3	12:15	0.118	10.0	103.0	900	520.00	2,865	Cohen - 10041 Trophy Oaks
09/30/16	09-30-16 3C	N 29° 38' 42.7" W 098° 17' 37.2"	CLEAR 75° NE 3	12:15	0.075	6.8	104.0	900	520.00	3,836	Michels - 9118 Tuscan Hills
09/30/16	09-30-16 3C	N 29° 38' 42.7" W 098° 17' 37.2"	CLEAR 75° NE 3	12:15	0.205	9.4	109.0	900	520.00	2,012	Warden - 21375 Gunther Grove
09/30/16	09-30-16 3C	N 29° 38' 42.7" W 098° 17' 37.2"	CLEAR 75° NE 3	12:15	0.173	13.2	110.0	900	520.00	1,801	Warden Property Line

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

November 10, 2016

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 October 2016 at the Hanson Aggregates Quarry in Garden Ridge, Texas. Please place this information in your 2016 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 dark ink, appearing to read "Geoffrey Rigsby". The signature is fluid and cursive, with the first name and last name clearly distinguishable.

Geoffrey Rigsby

Southwest Regional Manager

cc: Jacob Scherer, Hanson – Servtex

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF OCTOBER
2016

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
10/03/16	10-03-16 Upper 3A	N 29° 38' 37.7" W 098° 17' 36.1"	CLEAR 79° SE 5	11:37	0.050	6.8	104.0	440	270.00	2,193	City Property Line
10/03/16	10-03-16 Upper 3A	N 29° 38' 37.7" W 098° 17' 36.1"	CLEAR 79° SE 5	11:37	0.070	8.1	111.0	440	270.00	2,359	Cohen - 10041 Trophy Oaks
10/03/16	10-03-16 Upper 3A	N 29° 38' 37.7" W 098° 17' 36.1"	CLEAR 79° SE 5	11:37	0.050	7.4	105.0	440	270.00	4,081	Michels - 9118 Tuscan Hills
10/03/16	10-03-16 Upper 3A	N 29° 38' 37.7" W 098° 17' 36.1"	CLEAR 79° SE 5	11:37	0.288	11.6	115.0	440	270.00	1,526	Warden - 21375 Gunther Grove
10/03/16	10-03-16 Upper 3A	N 29° 38' 37.7" W 098° 17' 36.1"	CLEAR 79° SE 5	11:37	0.215	12.5	116.0	440	270.00	1,312	Warden Property Line
10/04/16	10-04-16 3E	N 29° 38' 56.6" W 098° 17' 39.2"	CLOUDY 85° SE 9	12:55	0.028	10.9	97.0	900	950.00	3,680	City Property Line
10/04/16	10-04-16 3E	N 29° 38' 56.6" W 098° 17' 39.2"	CLOUDY 85° SE 9	12:55	0.043	9.6	100.0	900	950.00	4,279	Cohen - 10041 Trophy Oaks
10/04/16	10-04-16 3E	N 29° 38' 56.6" W 098° 17' 39.2"	CLOUDY 85° SE 9	12:55	0.055	17.9	100.0	900	950.00	3,573	Michels - 9118 Tuscan Hills
10/04/16	10-04-16 3E	N 29° 38' 56.6" W 098° 17' 39.2"	CLOUDY 85° SE 9	12:55	0.100	10.0	103.0	900	950.00	3,406	Warden - 21375 Gunther Grove
10/04/16	10-04-16 3E	N 29° 38' 56.6" W 098° 17' 39.2"	CLOUDY 85° SE 9	12:55	0.070	11.9	105.0	900	950.00	3,202	Warden Property Line
10/05/16	10-05-16 3F	N 29° 38' 56.6" W 098° 17' 39.2"	CLEAR 87° SW 7	13:01	0.028	13.9	101.0	690	900.00	3,680	City Property Line
10/05/16	10-05-16 3F	N 29° 38' 56.6" W 098° 17' 39.2"	CLEAR 87° SW 7	13:01	0.050	27.8	101.0	690	900.00	4,279	Cohen - 10041 Trophy Oaks
10/05/16	10-05-16 3F	N 29° 38' 56.6" W 098° 17' 39.2"	CLEAR 87° SW 7	13:01	0.045	13.9	95.0	690	900.00	3,573	Michels - 9118 Tuscan Hills
10/05/16	10-05-16 3F	N 29° 38' 56.6" W 098° 17' 39.2"	CLEAR 87° SW 7	13:01	0.098	13.2	105.0	690	900.00	3,406	Warden - 21375 Gunther Grove
10/05/16	10-05-16 3F	N 29° 38' 56.6" W 098° 17' 39.2"	CLEAR 87° SW 7	13:01	0.055	20.0	103.0	690	900.00	3,202	Warden Property Line
10/06/16	10-06-16 Lower 6	N 29° 38' 51.2" W 098° 17' 07.6"	PT CLOUDY 85° S 8	12:02	0.030	5.4	103.0	810	500.00	5,006	City Property Line

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

* Instrument Unavailable

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF OCTOBER
2016

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
10/06/16	10-06-16 Lower 6	N 29° 38' 51.2" W 098° 17' 07.6"	PT CLOUDY 85° S 8	12:02	0.078	5.8	110.0	810	500.00	4,526	Cohen - 10041 Trophy Oaks
10/06/16	10-06-16 Lower 6	N 29° 38' 51.2" W 098° 17' 07.6"	PT CLOUDY 85° S 8	12:02	0.068	17.9	104.0	810	500.00	6,326	Michels - 9118 Tuscan Hills
10/06/16	10-06-16 Lower 6	N 29° 38' 51.2" W 098° 17' 07.6"	PT CLOUDY 85° S 8	12:02	0.123	10.6	112.0	810	500.00	4,038	Warden - 21375 Gunther Grove
10/06/16	10-06-16 Lower 6	N 29° 38' 51.2" W 098° 17' 07.6"	PT CLOUDY 85° S 8	12:02	0.063	17.9	112.0	810	500.00	3,834	Warden Property Line
10/11/16	10-11-16 S Wall B	N 29° 38' 14.1" W 098° 16' 41.3"	CLEAR 70° NW 5	10:29	0.020	7.6	103.0	820	988.00	6,459	City Property Line
10/11/16	10-11-16 S Wall B	N 29° 38' 14.1" W 098° 16' 41.3"	CLEAR 70° NW 5	10:29	0.100	5.4	108.0	820	988.00	4,886	Cohen - 10041 Trophy Oaks
10/11/16	10-11-16 S Wall B	N 29° 38' 14.1" W 098° 16' 41.3"	CLEAR 70° NW 5	10:29	0.085	8.9	92.0	820	988.00	3,938	Holly - 9916 Trophy Oaks
10/11/16	10-11-16 S Wall B	N 29° 38' 14.1" W 098° 16' 41.3"	CLEAR 70° NW 5	10:29	NT	NT	NT	820	988.00	9,457	Michels - 9118 Tuscan Hills
10/11/16	10-11-16 S Wall B	N 29° 38' 14.1" W 098° 16' 41.3"	CLEAR 70° NW 5	10:29	0.080	17.2	110.0	820	988.00	5,248	Warden - 21375 Gunther Grove
10/12/16	10-12-16 S Wall C	N 29° 38' 12.8" W 098° 16' 46"	CLOUDY 74° NW 7	11:43	NT	NT	NT	700	1250.00	6,069	City Property Line
10/12/16	10-12-16 S Wall C	N 29° 38' 12.8" W 098° 16' 46"	CLOUDY 74° NW 7	11:43	0.075	6.8	110.0	700	1250.00	4,475	Cohen - 10041 Trophy Oaks
10/12/16	10-12-16 S Wall C	N 29° 38' 12.8" W 098° 16' 46"	CLOUDY 74° NW 7	11:43	0.048	7.5	106.0	700	1250.00	3,530	Holly - 9916 Trophy Oaks
10/12/16	10-12-16 S Wall C	N 29° 38' 12.8" W 098° 16' 46"	CLOUDY 74° NW 7	11:43	NT	NT	NT	700	1250.00	9,137	Michels - 9118 Tuscan Hills
10/12/16	10-12-16 S Wall C	N 29° 38' 12.8" W 098° 16' 46"	CLOUDY 74° NW 7	11:43	0.048	9.3	111.0	700	1250.00	4,867	Warden - 21375 Gunther Grove
10/13/16	10-13-16 S Wall O	N 29° 38' 17.6" W 098° 16' 36.9"	PT CLOUDY 83° SE 6	13:12	NT	NT	NT	518	975.00	6,807	City Property Line
10/13/16	10-13-16 S Wall O	N 29° 38' 17.6" W 098° 16' 36.9"	PT CLOUDY 83° SE 6	13:12	0.045	6.6	112.0	518	975.00	5,283	Cohen - 10041 Trophy Oaks

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

* Instrument Unavailable

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF OCTOBER
2016

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
10/13/16	10-13-16 S Wall O	N 29° 38' 17.6" W 098° 16' 36.9"	PT CLOUDY 83° SE 6	13:12	0.045	7.7	101.0	518	975.00	4,333	Holly - 9916 Trophy Oaks
10/13/16	10-13-16 S Wall O	N 29° 38' 17.6" W 098° 16' 36.9"	PT CLOUDY 83° SE 6	13:12	NT	NT	NT	518	975.00	9,679	Michels - 9118 Tuscan Hills
10/13/16	10-13-16 S Wall O	N 29° 38' 17.6" W 098° 16' 36.9"	PT CLOUDY 83° SE 6	13:12	0.040	8.9	114.0	518	975.00	5,585	Warden - 21375 Gunther Grove
10/14/16	10-14-16 4B	N 29° 39' 03.5" W 098° 17' 37.3"	PT CLOUDY 85° SE 5	10:53	0.028	8.9	110.0	544	630.00	4,394	City Property Line
10/14/16	10-14-16 4B	N 29° 39' 03.5" W 098° 17' 37.3"	PT CLOUDY 85° SE 5	10:53	0.048	22.7	112.0	544	630.00	112	Cohen - 10041 Trophy Oaks
10/14/16	10-14-16 4B	N 29° 39' 03.5" W 098° 17' 37.3"	PT CLOUDY 85° SE 5	10:53	0.058	6.9	105.0	544	630.00	3,888	Michels - 9118 Tuscan Hills
10/14/16	10-14-16 4B	N 29° 39' 03.5" W 098° 17' 37.3"	PT CLOUDY 85° SE 5	10:53	0.083	16.1	114.0	544	630.00	4,111	Warden - 21375 Gunther Grove
10/14/16	10-14-16 4B	N 29° 39' 03.5" W 098° 17' 37.3"	PT CLOUDY 85° SE 5	10:53	0.055	16.1	114.0	544	630.00	3,904	Warden Property Line
10/18/16	10-18-16 4A	N 29° 39' 00.7" W 098° 17' 38.6"	PT CLOUDY 92° S 10	14:08	NT	NT	NT	876	670.00	4,088	City Property Line
10/18/16	10-18-16 4A	N 29° 39' 00.7" W 098° 17' 38.6"	PT CLOUDY 92° S 10	14:08	0.043	9.3	107.0	876	670.00	4,692	Cohen - 10041 Trophy Oaks
10/18/16	10-18-16 4A	N 29° 39' 00.7" W 098° 17' 38.6"	PT CLOUDY 92° S 10	14:08	0.058	6.9	101.0	876	670.00	3,702	Michels - 9118 Tuscan Hills
10/18/16	10-18-16 4A	N 29° 39' 00.7" W 098° 17' 38.6"	PT CLOUDY 92° S 10	14:08	0.135	10.9	110.0	876	670.00	3,822	Warden - 21375 Gunther Grove
10/18/16	10-18-16 4A	N 29° 39' 00.7" W 098° 17' 38.6"	PT CLOUDY 92° S 10	14:08	0.065	9.1	111.0	876	670.00	3,618	Warden Property Line
10/19/16	10-19-16 3D	N 29° 38' 46.8" W 098° 17' 38.0"	PT CLOUDY 92° S 10	11:29	0.038	6.4	95.0	750	988.00	2,824	City Property Line
10/19/16	10-19-16 3D	N 29° 38' 46.8" W 098° 17' 38.0"	PT CLOUDY 92° S 10	11:29	0.058	8.9	103.0	750	988.00	3,282	Cohen - 10041 Trophy Oaks
10/19/16	10-19-16 3D	N 29° 38' 46.8" W 098° 17' 38.0"	PT CLOUDY 92° S 10	11:29	0.038	6.4	102.0	750	988.00	3,686	Michels - 9118 Tuscan Hills

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

* Instrument Unavailable

GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF OCTOBER
2016

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
10/19/16	10-19-16 3D	N 29° 38' 46.8" W 098° 17' 38.0"	PT CLOUDY 92° S 10	11:29	0.158	19.2	106.0	750	988.00	2,418	Warden - 21375 Gunther Grove
10/19/16	10-19-16 3D	N 29° 38' 46.8" W 098° 17' 38.0"	PT CLOUDY 92° S 10	11:29	0.075	20.0	108.0	750	988.00	2,211	Warden Property Line
10/21/16	10-21-16 3E	N 29° 38' 50.3" W 098° 17' 38.8"	CLEAR 65° NE 10	11:18	0.035	6.1	105.0	900	950.00	3,106	City Property Line
10/21/16	10-21-16 3E	N 29° 38' 50.3" W 098° 17' 38.8"	CLEAR 65° NE 10	11:18	0.100	15.2	106.0	900	950.00	2,769	Cohen - 10041 Trophy Oaks
10/21/16	10-21-16 3E	N 29° 38' 50.3" W 098° 17' 38.8"	CLEAR 65° NE 10	11:18	0.045	9.3	104.0	900	950.00	3,639	Michels - 9118 Tuscan Hills
10/21/16	10-21-16 3E	N 29° 38' 50.3" W 098° 17' 38.8"	CLEAR 65° NE 10	11:18	0.050	7.6	104.0	900	950.00	3,582	Warden - 21375 Gunther Grove
10/21/16	10-21-16 3E	N 29° 38' 50.3" W 098° 17' 38.8"	CLEAR 65° NE 10	11:18	0.058	6.2	108.0	900	950.00	2,564	Warden Property Line
10/25/16	10-25-16 3F	N 29° 38' 53.6" W 098° 17' 39.5"	CLOUDY 75° NE 9	11:08	0.028	7.8	103.0	600	850.00	3,387	City Property Line
10/25/16	10-25-16 3F	N 29° 38' 53.6" W 098° 17' 39.5"	CLOUDY 75° NE 9	11:08	0.035	6.9	104.0	600	850.00	3,977	Cohen - 10041 Trophy Oaks
10/25/16	10-25-16 3F	N 29° 38' 53.6" W 098° 17' 39.5"	CLOUDY 75° NE 9	11:08	0.050	11.4	103.0	600	850.00	3,519	Michels - 9118 Tuscan Hills
10/25/16	10-25-16 3F	N 29° 38' 53.6" W 098° 17' 39.5"	CLOUDY 75° NE 9	11:08	0.068	12.8	108.0	600	850.00	3,101	Warden - 21375 Gunther Grove
10/25/16	10-25-16 3F	N 29° 38' 53.6" W 098° 17' 39.5"	CLOUDY 75° NE 9	11:08	0.053	8.8	109.0	600	850.00	2,899	Warden Property Line
10/26/16	10-26-16 5B	N 29° 39' 03.1" W 098° 17' 16.0"	PT CLOUDY 75° SE 8	12:03	NT	NT	NT	816	663.00	5,292	City Property Line
10/26/16	10-26-16 5B	N 29° 39' 03.1" W 098° 17' 16.0"	PT CLOUDY 75° SE 8	12:03	0.048	7.1	100.0	816	663.00	5,260	Cohen - 10041 Trophy Oaks
10/26/16	10-26-16 5B	N 29° 39' 03.1" W 098° 17' 16.0"	PT CLOUDY 75° SE 8	12:03	0.023	7.8	102.0	816	663.00	5,697	Michels - 9118 Tuscan Hills
10/26/16	10-26-16 5B	N 29° 39' 03.1" W 098° 17' 16.0"	PT CLOUDY 75° SE 8	12:03	0.030	15.2	110.0	816	663.00	4,360	Warden - 21375 Gunther Grove

NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

* Instrument Unavailable

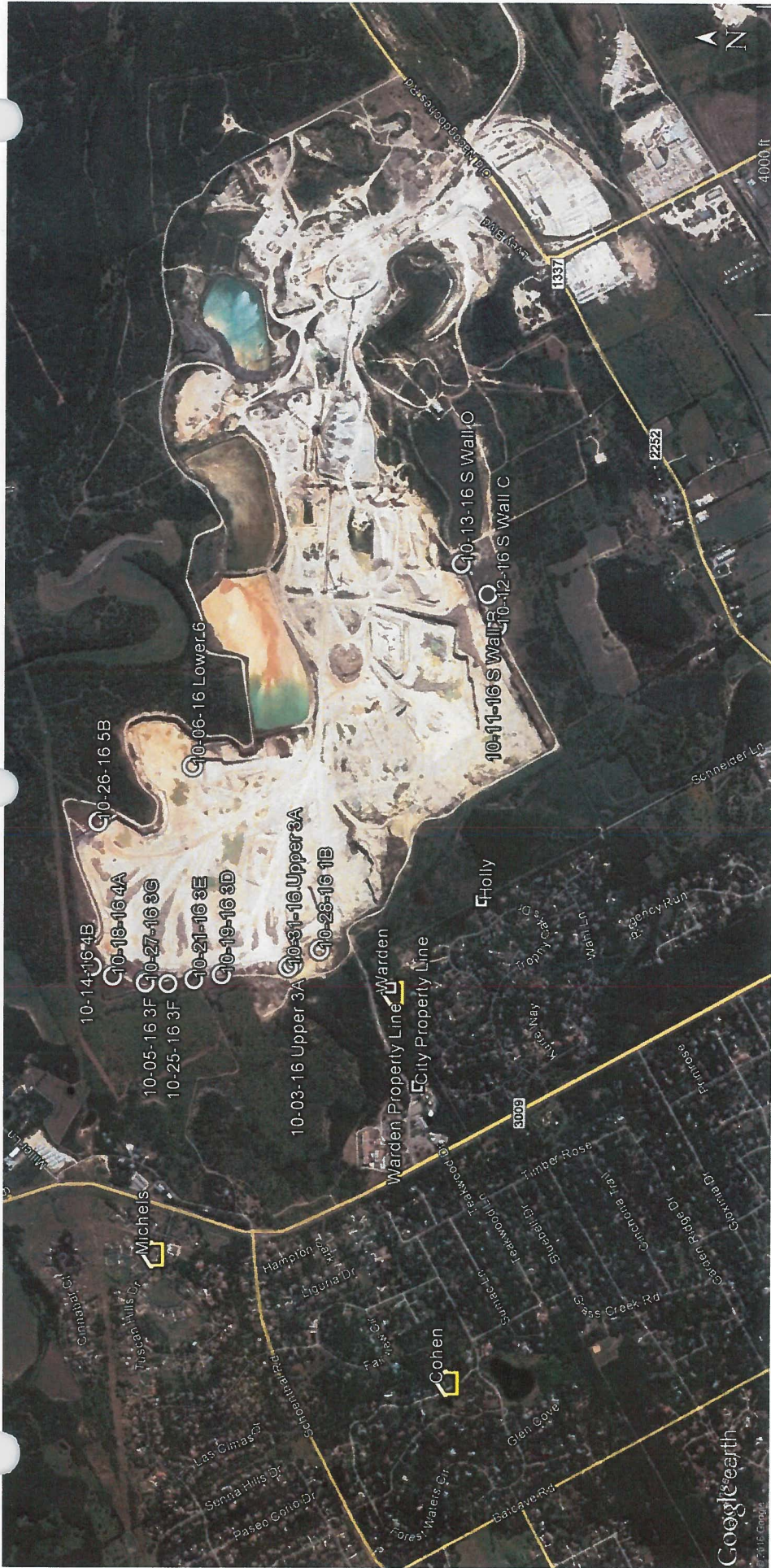
GARDEN RIDGE QUARRY COMMISSION
GARDEN RIDGE, TEXAS
MONTH OF OCTOBER
2016

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
10/26/16	10-26-16 5B	N 29° 39' 03.1" W 098° 17' 16.0"	PT CLOUDY 75° SE 8	12:03	0.053	23.8	110.0	816	663.00	4,580	Warden Property Line
10/27/16	10-27-16 3G	N 29° 38' 56.5" W 098° 17' 39.5"	PT CLOUDY 79° SW 3	11:43	*	*	*	575	850.00	3,661	City Property Line
10/27/16	10-27-16 3G	N 29° 38' 56.5" W 098° 17' 39.5"	PT CLOUDY 79° SW 3	11:43	0.025	5.2	107.0	575	850.00	4,270	Cohen - 10041 Trophy Oaks
10/27/16	10-27-16 3G	N 29° 38' 56.5" W 098° 17' 39.5"	PT CLOUDY 79° SW 3	11:43	0.050	6.1	103.0	575	850.00	3,545	Michels - 9118 Tuscan Hills
10/27/16	10-27-16 3G	N 29° 38' 56.5" W 098° 17' 39.5"	PT CLOUDY 79° SW 3	11:43	0.050	12.5	112.0	575	850.00	3,395	Warden - 21375 Gunther Grove
10/27/16	10-27-16 3G	N 29° 38' 56.5" W 098° 17' 39.5"	PT CLOUDY 79° SW 3	11:43	0.035	11.1	112.0	575	850.00	3,192	Warden Property Line
10/28/16	10-28-16 1B	N 29° 38' 34.3" W 098° 17' 34.0"	PT CLOUDY 72° SE 4	11:34	0.023	7.6	97.0	688	85.00	2,119	City Property Line
10/28/16	10-28-16 1B	N 29° 38' 34.3" W 098° 17' 34.0"	PT CLOUDY 72° SE 4	11:34	0.048	16.7	101.0	688	85.00	2,028	Cohen - 10041 Trophy Oaks
10/28/16	10-28-16 1B	N 29° 38' 34.3" W 098° 17' 34.0"	PT CLOUDY 72° SE 4	11:34	0.028	7.8	95.0	688	85.00	4,384	Michels - 9118 Tuscan Hills
10/28/16	10-28-16 1B	N 29° 38' 34.3" W 098° 17' 34.0"	PT CLOUDY 72° SE 4	11:34	0.213	23.8	104.0	688	85.00	1,040	Warden - 21375 Gunther Grove
10/28/16	10-28-16 1B	N 29° 38' 34.3" W 098° 17' 34.0"	PT CLOUDY 72° SE 4	11:34	0.150	20.8	106.0	688	85.00	1,261	Warden Property Line
10/31/16	10-31-16 Upper 3A	N 29° 38' 38.2" W 098° 17' 36.6"	PT CLOUDY 79° SW 3	11:25	0.043	6.9	102.0	568	275.00	2,198	City Property Line
10/31/16	10-31-16 Upper 3A	N 29° 38' 38.2" W 098° 17' 36.6"	PT CLOUDY 79° SW 3	11:25	0.083	7.8	110.0	568	275.00	2,409	Cohen - 10041 Trophy Oaks
10/31/16	10-31-16 Upper 3A	N 29° 38' 38.2" W 098° 17' 36.6"	PT CLOUDY 79° SW 3	11:25	0.073	7.4	101.0	568	275.00	4,022	Michels - 9118 Tuscan Hills
10/31/16	10-31-16 Upper 3A	N 29° 38' 38.2" W 098° 17' 36.6"	PT CLOUDY 79° SW 3	11:25	0.288	11.4	113.0	568	275.00	1,569	Warden - 21375 Gunther Grove
10/31/16	10-31-16 Upper 3A	N 29° 38' 38.2" W 098° 17' 36.6"	PT CLOUDY 79° SW 3	11:25	0.153	10.0	114.0	568	275.00	1,354	Warden Property Line

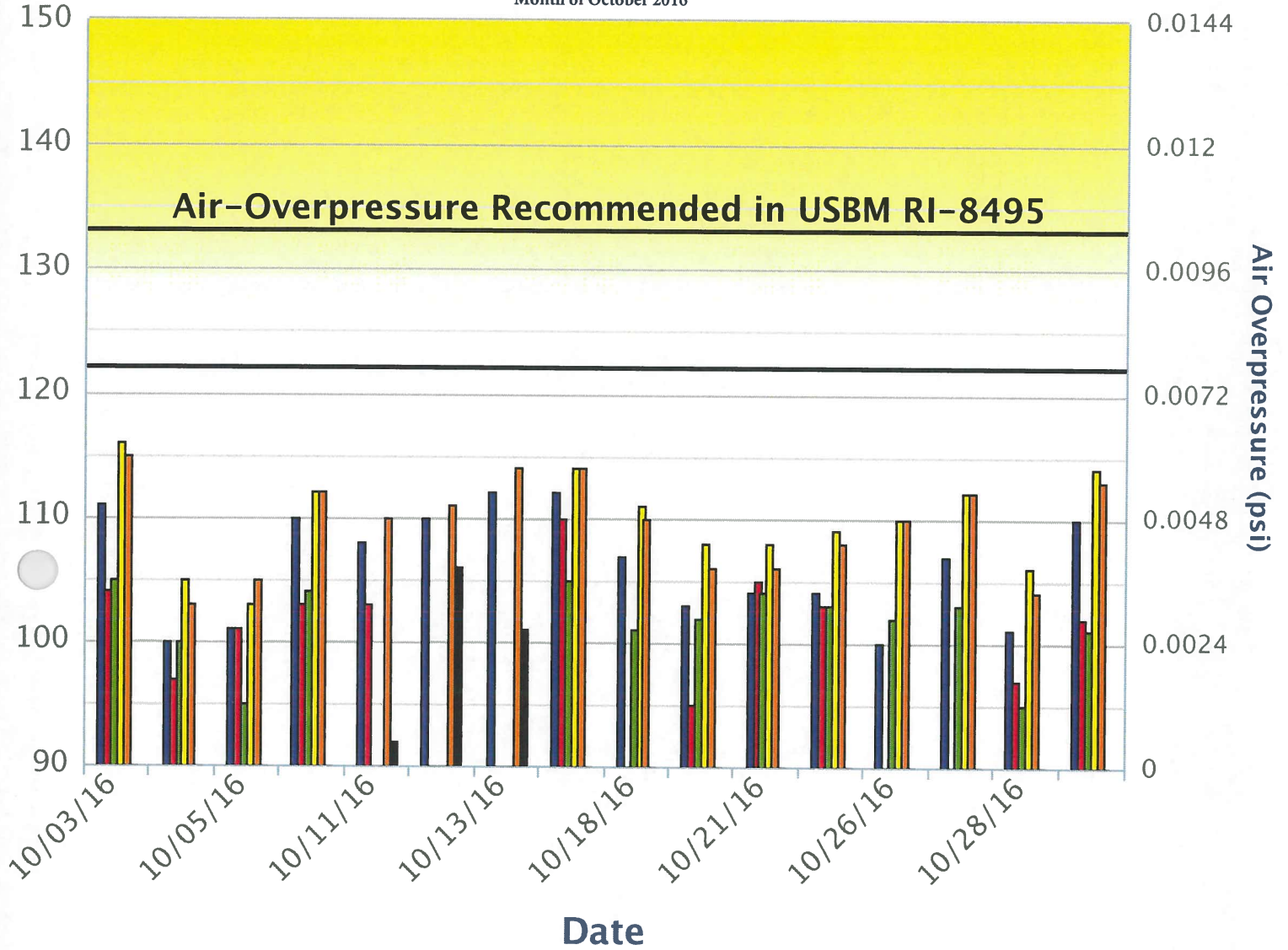
NT = No Trigger, <0.020 ips.

NT = No Trigger, <122dB

* Instrument Unavailable

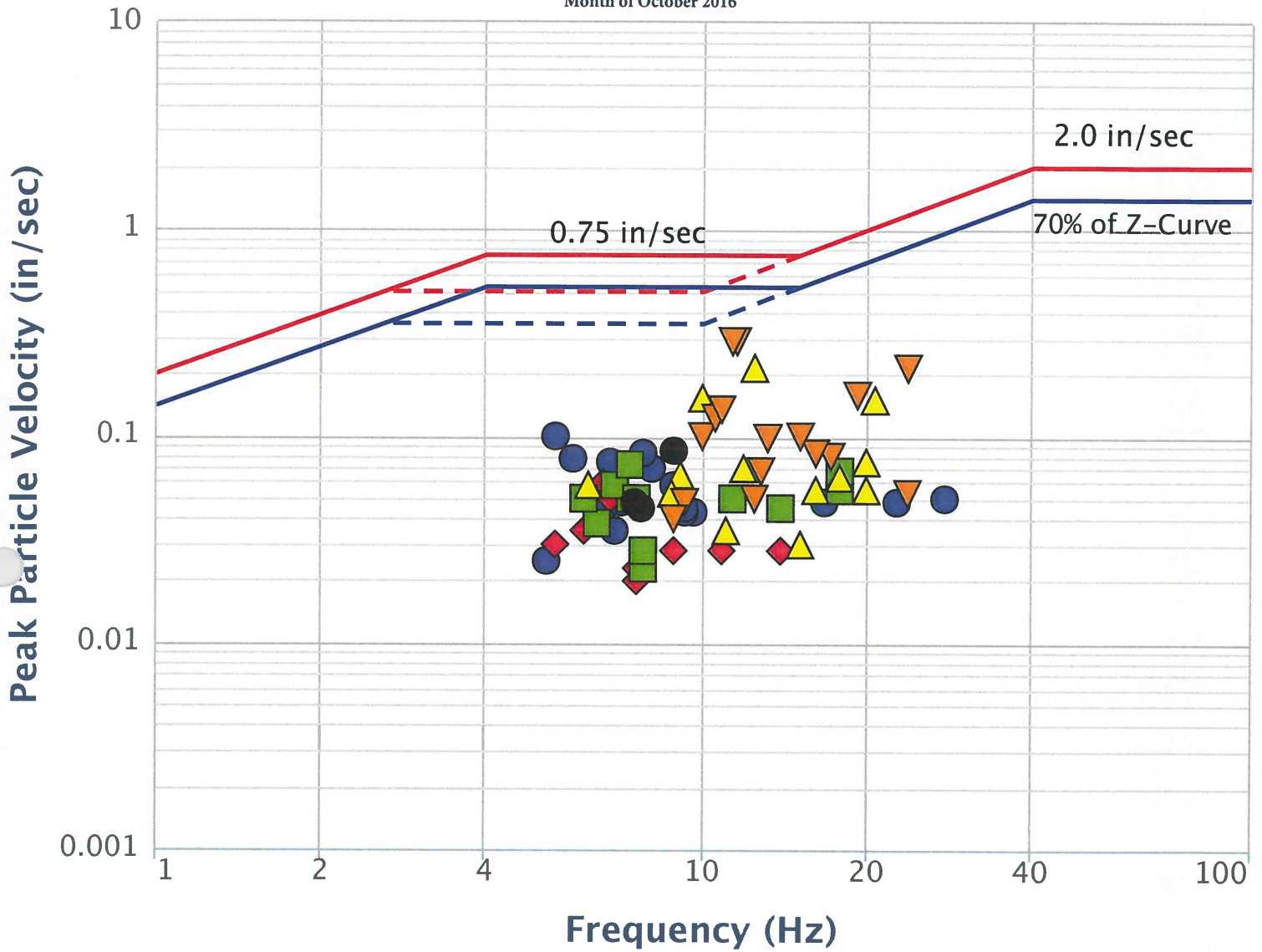


Garden Ridge Quarry Commission
 Garden Ridge, Texas
 AO Graph
 Month of October 2016



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

Garden Ridge Quarry Commission
Garden Ridge, Texas
USBM Graph
Month of October 2016



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

CITY OF GARDEN RIDGE

COPY

CITIZEN QUARRY BLAST IMPACT REPORT

Name: ROBERT KESSLER Report Date: 9/30/2016

Address: 19960 Fm 2252 E-Mail Address: _____

Phone: 210-421-3587 Blast Date/Time: 9/30/2016 / 12:10

Please describe the event.

BLAST SHOOK HOUSE

RECEIVED

OCT 11 2016

PER JH

How did this blast compare to other blasts? SAME

On a 1 to 5 scale, please rate the blast intensity. (1= minor, 5= major) 3

What was your activity at the time of the blast? VAIO 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? 2800

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.

2016/1-9

Sent to QC
10-12-16

CITIZEN BLASTING - REPORT FORM

Name: Connie Cain

Date Reported: 10/12/16

Address: 9967 Trophy Oaks Dr

E-mail address: Conniecain@SATX.rr.com

Phone: 651-6757

Date / Time of the blast: 10/11/2016 / 1

Describe weather - cloudy or clear? Temperature? 80

Please describe your concern and explain what was felt, seen or heard.

AT 10:25 AM the floor under my feet moved with extreme force.

Please rate what you felt using the following rating scale as a guide only.

1. Noticeable, but barely.
2. A nuisance; definitely perceptible; most would describe it as minor shaking.
3. Noticeable; likely wake a sleeping person; windows rattle; disturbing.
4. Dishes rattle, pictures fall; perceived house or foundation movement.
5. Really gets your attention; consider moving to cover and hiding; damage likely to be seen; windows cracked;

Your rating (1 minor - 5 major): 5

How did this blast compare to others you have heard or felt? - WORST
ever

Would you like someone to contact you to explain what we found out? Do you have any other concerns? NO

RECEIVED

OCT 12 2016

PER JH

Please complete this form and print it on your own computer, then submit the completed reports to the City Hall or to quarrycom@ci.garden-ridge.tx.us. Thank you for filling out our form.

We encourage you to attend the next meeting of the Quarry Commission. The Commission meets on the second Monday of the month at 7:00 p.m. in the Municipal Courtroom.

2016/1-10

amt
QC
10-12-16

City Secretary

From: noreply@civicplus.com
Sent: Tuesday, October 11, 2016 10:35 AM
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	10/11/2016
Phone Number:	651-3531
E-Mail Address	Mmlantzy@hotmail.com
Address1	20515 Wahl lane
Blast Date/Time:	10:29 am
Please describe the event.	Shook all the windows in the house.
How did this blast compare to other blasts?	<i>Field not completed.</i>
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?	In guest room
In what general direction does you house face? (N,E,S or W)	E
What is the approximate square footage of your home?	3000
Is your home a 1 story, 1 1/2 , or 2 story or large?	1 1/2
Would you like a Quarry Commission member to contact you regarding	No

2016/2-10

AC
10-12-16

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 every other month at 7:00 PM in the City Council Chambers in City Hall.

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

Email not displaying correctly? [View it in your browser.](#)

City Secretary

From: noreply@civicplus.com
Sent: Tuesday, October 18, 2016 10:05 AM
To: City Secretary
Subject: Online Form Submittal: PUBLIC INFORMATION REQUEST FORM

PUBLIC INFORMATION REQUEST FORM

Name of Requestor: Ronald Hernandez

Date: 10/13/2016

Daytime Phone No.: 210.861.7528

Fax No.: *Field not completed.*

Mailing Address 24245 Wilderness oak #201

City San Antonio

State Tx

Zip 78258

Email address Ronaldjasonhernandez@outlook.com

In what format do you wish to receive the infomration?

(Requested items will not be mailed, emailed or faxed until payment is received.)

Mail No

Email No

Fax *Field not completed.*

Pick Up Yes

I request to: receive copies

Describe information requested:(If requesting Accident or Incident Report, please include report # and date of event.) Incident report involving Malia Guillen or her new name Malia Adams. Mother did not release child to father on court ordered date 10/13/2016. No police report number was given. I have court tomorrow and didn't know I had to do this. Officer said to just come by the office on Monday. Thanks so much

Notes:

• *There is no requirement for a governmental agency to create new documents or answer*

2016/3-10

10/18/16
OC

questions; the City will search existing records for responsive information. • Please specify dates or approximate dates of requested documents if known. • If a cost is incurred, you will be notified of the charges prior to proceeding. • The City has ten (10) business days to reply to your request. • If the City requests clarification and we do not hear back from you within 61 days, you must resubmit a new request. • The City of Garden Ridge Code of Ordinances are located on our website: www.ci.garden-ridge.tx.us

(Section Break)

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Number of pages: _____ Cost of copies: _____ Labor cost: _____
Misc. notes: _____

Total cost: _____

ORR #:

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